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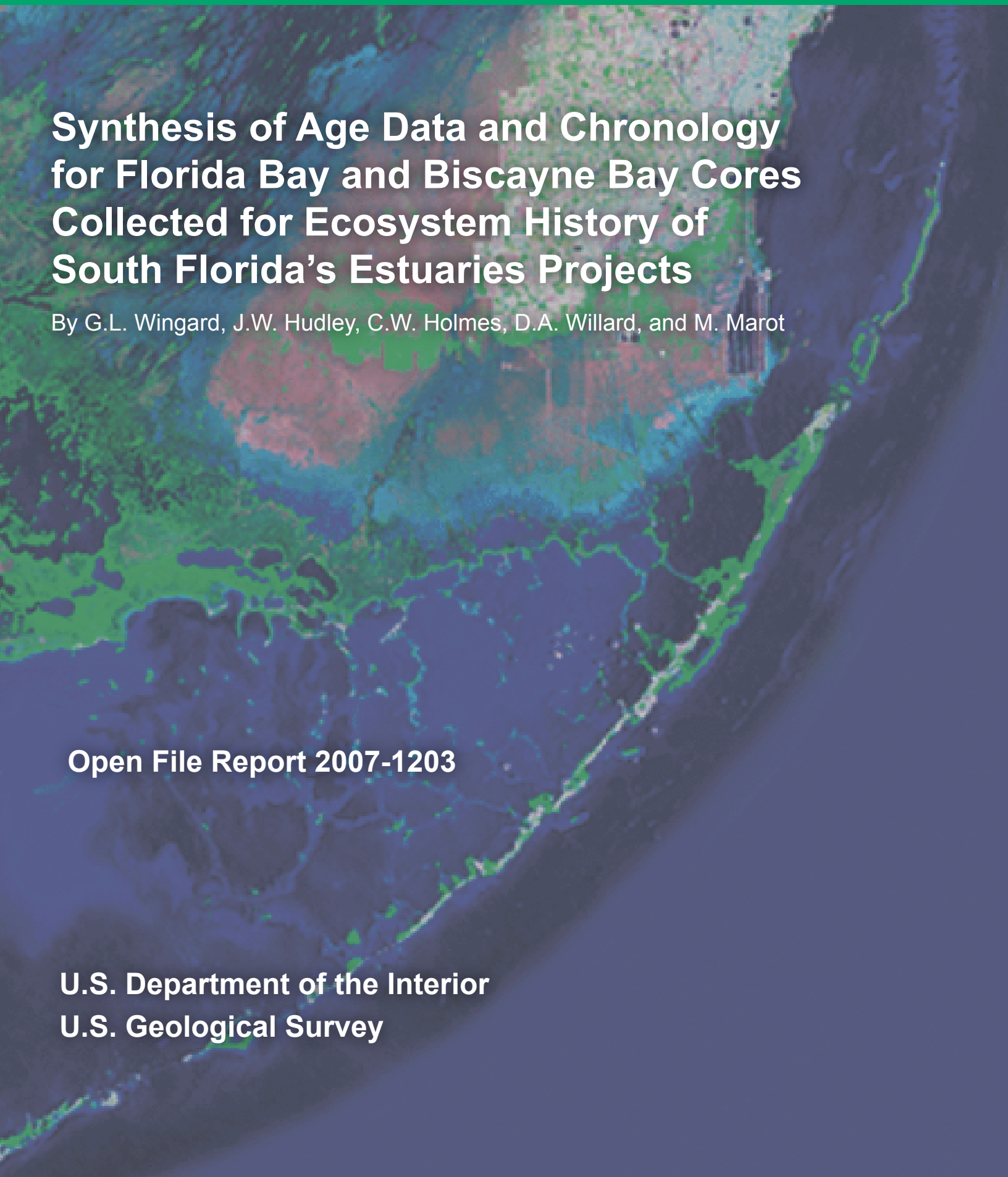
Synthesis of Age Data and Chronology for Florida Bay and Biscayne Bay Cores Collected for Ecosystem History of South Florida's Estuaries Projects

By G.L. Wingard, J.W. Hudley, C.W. Holmes, D.A. Willard, and M. Marot



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Conversion Factors

Inch/Pound to SI

Multiply	By	To obtain
Length		
inch (in.)	2.54	centimeter (cm)
inch (in.)	25.4	millimeter (mm)
foot (ft)	0.3048	meter (m)
mile (mi)	1.609	kilometer (km)
mile, nautical (nmi)	1.852	kilometer (km)
yard (yd)	0.9144	meter (m)

SI to Inch/Pound

Multiply	By	To obtain
Length		
centimeter (cm)	0.3937	inch (in.)
millimeter (mm)	0.03937	inch (in.)
meter (m)	3.281	foot (ft)
kilometer (km)	0.6214	mile (mi)
kilometer (km)	0.5400	mile, nautical (nmi)
meter (m)	1.094	yard (yd)

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ABSTRACT

^{210}Pb, ^{14}C, and pollen biostratigraphic data have been compiled and synthesized to develop age models for cores collected from Florida Bay and Biscayne Bay. These cores are being used to interpret the ecosystem history of south Florida's estuaries by examining the physical, chemical, and biological record preserved within the cores. The beginning of the 20th century, which marks an important turning point for the natural vs. anthropogenically influenced ecosystem, has been identified based on at least two data points in ten cores. ^{210}Pb data alone are presented for an additional 38 cores. Age models for older sediments have been developed for seven cores. Comparison of pre-1900 and post-1900 records allows researchers to compare natural ecosystem changes to anthropogenic change.

General patterns of sedimentation rates in Florida Bay and Biscayne Bay emerge from the data. Mid-bay mudbanks in both bays show more rapid rates of sedimentation, fewer signs of sediment disruption, and more internal consistency of sediments than cores located closer to shore. Nearshore cores indicate slower average rates of sedimentation, more disruption in the sedimentary sequences, and more indications of "old" carbon effects. Cores in close proximity to each other generally show very similar patterns of deposition, which indicates support for the age models.

Introduction

South Florida is currently undergoing a massive restoration effort guided by the Comprehensive Everglades Restoration Plan (CERP). A key component of the CERP is "to restore, protect and preserve the water resources of central and southern Florida" (CERP, 1999). In order to restore the natural freshwater flow through the ecosystem, it is imperative to understand the environment of south Florida prior to significant human alteration. To this end, the USGS has conducted research on patterns of physical, chemical and biological processes in the south Florida ecosystem on time scales ranging from decades to millennia. These studies use proxy evidence from sediment cores collected throughout the Everglades wetland, Florida Bay, and Biscayne Bay to reconstruct historic and longer-term patterns of water quality and chemistry, wetland water depth, and hydroperiod. A goal of the research is to separate out the natural changes that have occurred in the system from the anthropogenically induced changes. In south Florida, the beginning of the 20th century is commonly considered the period in which human influence on the

environment became extensive (Lodge, 2005;Light and Dineen, 1994; McIvor and others, 1994; McPherson and Halley, 1996).

Accurate age models are essential to attribute biotic change observed in sediment cores to specific environmental or climatic causes and to evaluate the influences of natural vs. anthropogenic factors on critical ecosystems. Core collection in Florida and Biscayne Bays began in 1994, and several laboratories and methods were used to construct age models for the individual cores. The goals of this report are 1) to compile, standardize, and augment the age information we currently have for cores collected in Biscayne Bay and Florida Bay; 2) to provide estimates of the errors associated with those ages; and 3) to determine what additional work can be done to improve the reliability of age models in recent sediments in south Florida. The information presented in this report revises some previously published age models for the ecosystem history cores (Brewster-Wingard and others, 1997, 2001; Brewster-Wingard and Ishman, 1998; 1999; Cronin and others, 2001; Dwyer and Cronin, 2001; Ishman and others, 1996 (data revised); 1998; Stone and others, 2000; Trappe and Brewster-Wingard, 2001; Wingard and others, 1995 (data revised); 2003; 2004).

Acknowledgements

We would like to thank our reviewers Thomas Cronin (USGS, Reston, VA) and Robert Halley (USGS, St. Petersburg, FL) for their helpful comments and suggestions. A number of people have assisted in the collection and processing of the cores discussed in this report, including Robert Halley, Eugene Shinn, Scott Ishman, Don Hickey, Chris Reich, James Murray, Rob Stamm, Carlos Budet, Ruth Ortiz, Katie Waylen, Jill D'Ambrosio, Nancy Carlin, Steve Wandrei, Lauren Hewitt, Jeffery Stone, Carleigh Trappe, and Sara Schwede. Assistance with pollen preparation and quantification was provided by Lisa Weimer, Bryan Landacre, and Tom Sheehan. Christopher Bernhardt and Carlos Budet assisted in the preparation of the location maps for this report. Radiocarbon analyses were done by Beta Analytical (Miami, FL) and the USGS Radiocarbon Lab, run by Jack McGeehin (Reston, VA). Ruth Ortiz and Carlos Budet assisted in the final preparation of this report.

We would like to thank Everglades National Park and Biscayne National Park for their assistance in providing access to field sites and use of park facilities. South Florida Water Management District provided funding for the collection of the 2002 and 2003 Biscayne Bay cores. This work has been funded by the South Florida Study Unit of the USGS Priority Ecosystems Program and this report is part of the Synthesis of South Florida Ecosystem History Research Project.

Methods

The cores discussed in this report were collected over a nine year period, from 1994 to 2003. Core locations are shown on Figure 1 and listed in Table 1. Three methods were utilized to develop the age models for the cores: (1) ^{210}Pb analyses of the sediments; (2) first stratigraphic appearance of pollen of *Casuarina* (Australian pine); and (3) radiocarbon dates on shells or wood (Table 1). The age models for the last century of deposition were based on ^{210}Pb and pollen biostratigraphy. Radiocarbon dates of individual shells or wood fragments were used to establish a chronologic framework for the lower portion of the cores.

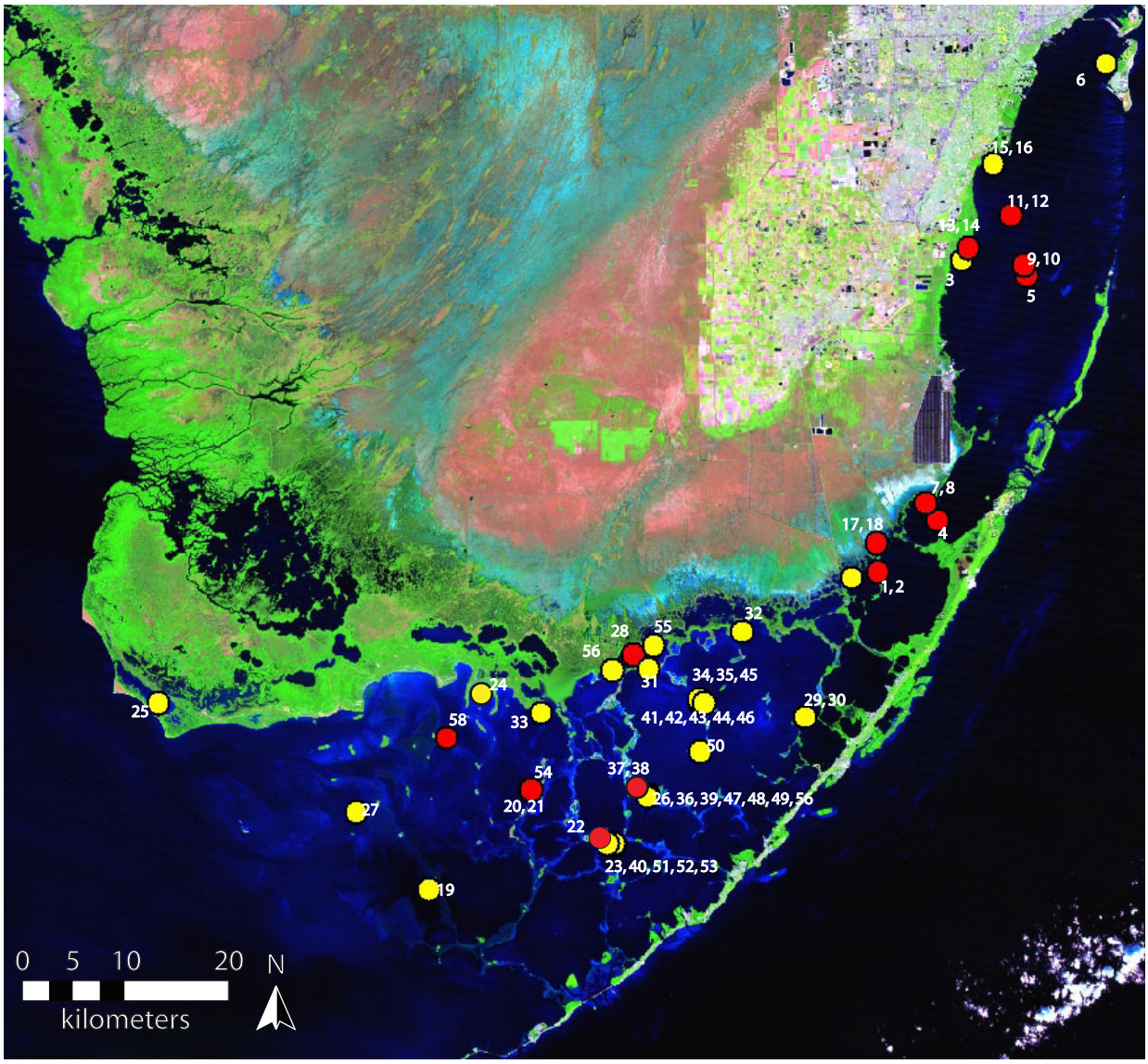

Figure 1. Satellite image showing core locations. Numbers correspond to listing in Table 1. Red dots represent locations of cores with synthesized age information discussed in this paper. Yellow dots mark locations of cores that have had only ^{210}Pb analyses done. ^{210}Pb data for all cores (yellow and red) are in Appendix 1.

Table 1: Location of all cores discussed in report or listed in Appendix. Collection information and analyses conducted are listed.

Figure 1 Number	General Location	Core ID	Core Name	Latitude	Longitude	Date Collected	Core Length (cm)[1]	Analyses Conducted			Age Model Discussed [5]
								Lead-210 [2]	Pollen [3]	Carbon-14 [4] (number of samples)	
1	Biscayne Bay	SEI1196 MB1	Manatee Bay	N 25.26150	W 80.40100	11/1996	120	√	√	√ (6)	√
2	Biscayne Bay	SEI1196 MB2	Manatee Bay	N 25.25667	W 80.42750	11/1996	106			√ (1)	
3	Biscayne Bay	SEI0297 BP1	Black Point	N 25.53500	W 80.31883	2/1997	116	√			
4	Biscayne Bay	SEI0297 CB1	Card Bank SE side	N 25.30617	W 80.34383	2/1997	146	√		√ (5)	√
5	Biscayne Bay	SEI0297 FB1	Featherbed Bank	N 25.52183	W 80.25650	2/1997	225	√		√ (4)	√
6	Biscayne Bay	SEI0299 Rick1	Rickenbacher	N 25.70775	W 80.17737	2/26/1999	136	√		√ (5)	√
7	Biscayne Bay	GLW0402 CBA	Card Bank NW side	N 25.32158	W 80.35603	4/30/2002	157.5	√	√	√ (1)	√
8	Biscayne Bay	GLW0402 CBB	Card Bank NW side	N 25.32160	W 80.35600	4/30/2002	154.5			√ (2)	
9	Biscayne Bay	GLW0402 FBA	Featherbed Bank	N 25.53083	W 80.25958	4/30/2002	195.5	√	√		√
10	Biscayne Bay	GLW0402 FBB	Featherbed Bank	N 25.53083	W 80.25958	4/30/2002	209			√ (3)	
11	Biscayne Bay	GLW0402 NNA	No Name Bank	N 25.57473	W 80.27200	4/30/2002	150	√	√		√
12	Biscayne Bay	GLW0402 NNB	No Name Bank	N 25.57473	W 80.27200	4/30/2002	163			√ (3)	
13	Biscayne Bay	GLW0603 BPNA	Black Point North	N 25.54635	W 80.31192	6/19/2003	86.5	√	√	√ (5)	√
14	Biscayne Bay	GLW0603 BPNB	Black Point North	N 25.54635	W 80.31192	6/19/2003	78				
15	Biscayne Bay	GLW0603 CKA	Chicken Key	N 25.62023	W 80.28840	6/18/2003	77.5	√	√	√ (2)	
16	Biscayne Bay	GLW0603 CKB	Chicken Key	N 25.62023	W 80.28840	6/18/2003	72				
17	Biscayne Bay	GLW0603 MKA	Middle Key Basin	N 25.28675	W 80.40283	6/20/2003	114.5	√	√	√ (4)	√
18	Biscayne Bay	GLW0603 MKB	Middle Key Basin	N 25.28675	W 80.40283	6/20/2003	103.5				
19	Florida Bay	FB294 3B (SFWMD 3B)	Rabbit Key	N 24.98430	W 80.83750	2/24/1994	32*	√			
20	Florida Bay	FB294 5A (SFWMD 5A)	Whipray Basin	N 25.07130	W 80.73920	2/25/1994	49*	√			
21	Florida Bay	FB294 5G (SFWMD 5G)	Whipray Basin	N 25.07120	W 80.73850	2/26/1994	128*	√			
22	Florida Bay	FB294 6A (SFWMD 6A)	Bob Allen mudbank	N 25.02320	W 80.65680	2/26/1994	172	√	√	√ (1)	√
23	Florida Bay	FB294 6C (SFWMD 6C)	Bob Allen mudbank	N 25.02320	W 80.65680	2/26/1994	152*	√			
24	Florida Bay	FB294 7B (SFWMD 7B)	Rankin Bight	N 25.15910	W 80.79366	2/27/1994	139.5*	√			
25	Florida Bay	FB294 8B (SFWMD 8B)	Lake Ingraham	N 25.14760	W 81.09800	2/27/1994	68*	√			
26	Florida Bay	FB294 10B (SFWMD 10B)	Russell Bank - south	N 25.06410	W 80.62530	2/28/1994	154	√			
27	Florida Bay	FB294 11A (SFWMD 11A)	Johnson Key	N 25.05170	W 80.90650	2/29/1994	142*	√			
28	Florida Bay	FB594 24	Taylor Creek	N 25.19000	W 80.63930	5/1/1994	86	√	√	√ (1)	√
29	Florida Bay	FB295 12B	Porjoe Key	N 25.13410	W 80.47370	2/21/1995	112*	√			
30	Florida Bay	FB295 12D	Porjoe Key	N 25.13410	W 80.47370	2/21/1995	98*	√			
31	Florida Bay	FB295 14B	Little Madeira Bay	N 25.17740	W 80.62410	2/22/1995	108*	√			
32	Florida Bay	FB295 13A	Trout Creek	N 25.20910	W 80.53320	2/22/1995	74*	√			
33	Florida Bay	FB295 16B	Crocodile Point	N 25.13870	W 80.72810	2/23/1995	102*	√			
34	Florida Bay	FB295 17D	Pass Key	N 25.14780	W 80.57487	2/24/1995	107	√			
35	Florida Bay	FB295 17G	Pass Key bank	N 25.14780	W 80.57408	2/24/1995	106*	√			
36	Florida Bay	FB295 18C	North Russell Bank	N 25.06640	W 80.62450	2/24/1995	184*	√			
37	Florida Bay	FB295 19A	Russell Bank	N 25.06390	W 80.62480	2/24/1995	140		√		√
38	Florida Bay	FB295 19B	Russell Bank	N 25.06390	W 80.62480	2/24/1995	149	√		√ (1)	
39	Florida Bay	FB295 19C	Russell Bank	N 25.06390	W 80.62480	2/24/1995	158	√			

Figure 1 Number	General Location	Core ID	Core Name	Latitude	Longitude	Date Collected	Core Length (cm)[1]	Analyses Conducted			Age Model Discussed [5]
								Lead-210 [2]	Pollen [3]	Carbon-14 [4] (number of samples)	
40	Florida Bay	FB295 20D	Bob Allen mudbank	N 25.02360	W 80.65880	2/25/1995	186*	√			
41	Florida Bay	FB596 35 (96-05-26-35)	Pass Key	N 25.14780	W 80.57450	5/26/1996	74*	√			
42	Florida Bay	FB596 37 (96-05-26-37)	Pass Key	N 25.14780	W 80.57450	5/26/1996	74	√	√		
43	Florida Bay	FB697 21A	Pass Key	N 25.14750	W 80.57420	6/11/1997	124	√			
44	Florida Bay	FB697 21B	Pass Key	N 25.14750	W 80.57420	6/11/1997	90*	√			
45	Florida Bay	FB697 21E	North Pass Key Bank	N 25.15010	W 80.57620	6/11/1997	88*	√			
46	Florida Bay	FB697 21F	South Pass Key Bank	N 25.14720	W 80.57030	6/11/1997	62*	√			
47	Florida Bay	FB697 22A	Russell Bank	N 25.06480	W 80.62590	6/12/1997	126	√			
48	Florida Bay	FB697 22B	South Russell Bank	N 25.06480	W 80.62590	6/12/1997	115*	√			
49	Florida Bay	FB697 22D	South Russell Bank	N 25.06460	W 80.62580	6/12/1997	122*	√			
50	Florida Bay	FB697 23A	Park Key	N 25.10450	W 80.57460	6/13/1997	94	√			
51	Florida Bay	FB697 24A	Bob Allen mudbank	N 25.02420	W 80.66400	6/13/1997	138*	√			
52	Florida Bay	FB697 24C	Bob Allen mudbank	N 25.02420	W 80.66400	6/13/1997	130	√			
53	Florida Bay	FB697 24D	Bob Allen mudbank	N 25.02410	W 80.66460	6/13/1997	118*	√			
54	Florida Bay	FB697 25B	Whipray Basin	N 25.07120	W 80.73850	6/13/1997	88	√		√ (1)	√
55	Florida Bay	Little Mad 99-08-17-1	Little Madeira Bay (off East Creek)	N 25.19790	W 80.61880	8/17/1999	71*	√			
56	Florida Bay	Russell 00-2-15-1	Russell Bank - south (Grass Bed)	N 25.06409	W 80.62533	2/15/2000	147	√			
57	Florida Bay	Little Mad 00-02-15-5	Little Madeira Bay (west side)	N 25.17614	W 80.65903	2/15/2000	115.5*	√			
58	Florida Bay	GLBW601 RL1	Rankin Lake	N 25.11615	W 80.81960	6/19/2001	143	√	√	√ (3)	√

[1] Numbers followed by an * indicate depth to which lead-210 analyses were completed. This may or may not represent total core length.

[2] Lead-210 data are in appendix. Figures 2 and 3 illustrate lead-210 data used in age models.

[3] First occurrence of *Casuarina equisetifolia* pollen used in age models is listed in Table 2.

[4] Carbon-14 data are shown in Table 3. Numbers in parentheses indicate number of samples analyzed per core for carbon-14.

[5] Age models are discussed in text and illustrated in Figures 4-16. A single check for two rows indicates that data from two cores taken side by side were combined into a single age model.

^{210}Pb Analyses

Decay of unstable ^{210}Pb isotopes into its daughter products is a well-documented method for dating 20th century sediments (Appleby and Oldfield, 1978; Abril and others, 1992; Ducat and Kuehl, 1995; Appleby, 1997; Panayotou, 2002; Walling, 2003). ^{210}Pb (^{210}Pb) activity was measured by alpha spectroscopy using the method outlined in Flynn (1968) in which ^{210}Pb and its progeny, ^{210}Po, are assumed to be in secular equilibrium. Supported ^{210}Pb activity was determined by continuing measurements until activity became constant with depth. Excess ^{210}Pb activity was calculated by subtracting the supported ^{210}Pb activity from the total ^{210}Pb activity.

Age models have been used to quantify sediment accumulation rates based on ^{210}Pb decay profiles that take into account the variables of atmospheric flux, sediment supply, and mixing. Robbins (1978), Oldfield and Appleby (1984), Carroll and others (1995), Robbins and others (2000), and Nie and others (2001) have reviewed the various methods, applications and approaches to ^{210}Pb age modeling. The chronologic model used in this study, developed by Robbins and others (2000), is a simple first-order model. In this model, the atmospheric ^{210}Pb flux and sediment accumulation rate are assumed to be constant and any variability in ^{210}Pb concentrations, with the exception of decay, is averaged by sedimentological processes. The surface activity is assumed to be constant and equal to the flux of ^{210}Pb divided by the sediment accumulation rate in terms of grams per square centimeter.

^{210}Pb data for 50 cores from Florida Bay and Biscayne Bay are provided in Appendix 1, and the depth where ^{210}Pb values reach background levels is indicated in Table 2. Excess (unsupported ^{210}Pb) and total ^{210}Pb activity are shown in Figures 2-9. A component of the ^{210}Pb analysis is a sedimentological analysis of grain size and loss on ignition (LOI) – a general indicator of organic material. These data also are presented in Appendix 1. To obtain LOI, sample is placed in a weighed crucible, weighed, placed in a muffle furnace for six hours at 450°, cooled, reweighed and percent loss calculated. Grains size data are obtained by sieving a wet sample with deionized water through a 63 micron sieve, drying, and weighing each size fraction. For a detailed discussion of the collection and analytical procedures, geochemistry, and correlation to radium-226 and coral bands, see Holmes and others, 2001.

Pollen Biostratigraphic Analyses

An excellent biostratigraphic marker for post-1900 AD sediments is the occurrence of *Casuarina equisetifolia* pollen (Australian pine) in Florida sediments. *Casuarina equisetifolia* is an exotic species introduced into south Florida in the late 19th century (Langeland, 1990). Calibration of *Casuarina* pollen abundance with ^{210}Pb geochronologies indicates that *C. equisetifolia* pollen first occurred in south Florida sediments at ~1910+/- 15 years, becoming common after 1940 (Duever and others 1986, Wingard and others 2003). For this study, pollen typically was analyzed at 10 cm increments, increasing the error range of the first occurrence of *Casuarina*. It should be noted that peak pollen production was only obtained when stands of trees reached maturity, typically a few decades after germination. Therefore, the first consistent appearance of *Casuarina* pollen often is 10-30 cm higher than the point at which ^{210}Pb values reach background levels. When the presence of *Casuarina* is the only stratigraphic evidence available to identify sediments deposited during the 20th century, we assign it an age of AD 1910 +/- 15 years. Otherwise, we rely more strongly on ^{210}Pb data to develop age models for the 20th century (see Table 2).

Pollen data were obtained on ten of the thirteen cores discussed below; no residual material was available for analysis in the three remaining cores. Full pollen data sets for nine of these cores

Table 2: Summary of data used to determine beginning of 20th century deposition in cores: first occurrence datum for *Casuarina equisetifolia* and depth to background levels of lead-210. Data are illustrated in Figure 2 and 3. Total lead-210 is shown in Figures 4-9.

			First occurrence datum for *Casuarina*		Lead-210 Data	
Core location name	**Core ID**	**Number on Fig. 1 and Table 1**	**First occurrence datum used (cm)**	**Range of possible first occurrence (cm) [1]**	**Depth to background (cm)**	**Comments**
Biscayne Bay Cores:						
Black Point	SEI0297 BP1	3	---	---	---	Analyzed to 20 cm - no change with depth
Black Point North	GLW0603 BPNA	13	21	20-24	30-40	
Card Bank SE side	SEI0297 CB1	4	---	---	---	Analyzed to 28 cm - no change with depth
Card Bank NW side	GLW0402 CBA	7	21	20-30	44-46	
Card Bank NW side	GLW0402 CBB	8	---	---	---	
Chicken Key	GLW0603 CKA	15	35	34-40	36-40	Change in sedimentation rate indicated at 32 cm. Sedimentation disrupted.
Featherbed Bank	SEI0297 FB1	5	---	---	58-60	
Featherbed Bank	GLW0402 FBA	9	71	70-80	70-80	
Featherbed Bank	GLW0402 FBB	10	---	---	---	
Manatee Bay	SEI1196 MB1	1	65	64-66	---	Analyzed to 36 cm - no change with depth
Middle Key Basin	GLW0603 MKA	17	21	20-24	26-28	Note increase at base
No Name Bank	GLW0402 NNA	11	61	60-70	60	
No Name Bank	GLW0402 NNB	12	---	---	---	
Rickenbacher	SEI0299 Rick1	6	---	---	23	Possible unconformity
Florida Bay Cores:						
Bob Allen mudbank	FB294 6A (SFWMD 6A)	22	51	50-60	82	
Bob Allen mudbank	FB294 6C (SFWMD 6C)	23	---	---	120	
Bob Allen mudbank	FB295 20D	40	---	---	120	
Bob Allen mudbank	FB697 24A	51	---	---	81	
Bob Allen mudbank	FB697 24C	52	---	---	73	
Bob Allen mudbank	FB697 24D	53	---	---	---	Does not reach background
Crocodile Point	FB295 16B	33	---	---	49	Note increase at base
Johnson Key	FB294 11A (SFWMD 11A)	27	---	---	20	Spike at bottom due to upwelling of ground water
Lake Ingraham	FB294 8B (SFWMD 8B)	25	---	---	---	Does not reach background
Little Madeira - Taylor Creek	FB594 24	28	41	40-50	40	
Little Madeira Bay	FB295 14B	31	---	---	---	Does not reach background
Little Madeira Bay (off East Creek)	Little Mad 99-08-17-1	55	---	---	60	
Little Madeira Bay (west side)	Little Mad 00-02-15-5	57	---	---	---	Does not reach background
Park Key	FB697 23A	50	---	---	45	
Pass Key	FB295 17D	34	---	---	---	Does not reach background
Pass Key	FB295 17G	35	---	---	91	
Pass Key	FB596 35 (96-05-26-35)	41	---	---	68	
Pass Key	FB596 37 (96-05-26-37)	42	---	---	66	
Pass Key	FB697 21A	43	---	---	100	
Pass Key	FB697 21B	44	---	---	---	Does not reach background
Pass Key - North	FB697 21E	45	---	---	---	Does not reach background
Pass Key - South	FB697 21F	46	---	---	60	Base of core - may go lower
Porjoe Key	FB295 12B	29	---	---	49	
Porjoe Key	FB295 12D	30	---	---	61	
Rabbit Key	FB294 3B (SFWMD 3B)	19	---	---	13	
Rankin Bight	FB294 7B (SFWMD 7B)	24	---	---	20	
Rankin Lake	GLBW601 RL1	58	39	38-42	36-38	
Russell Bank - South	FB294 10B (SFWMD 10B)	26	---	---	110	
Russell Bank - North	FB295 18C	36	---	---	113	
Russell Bank	FB295 19A	37	93	92-104	120	
Russell Bank	FB295 19B	38	---	---	107	
Russell Bank	FB295 19C	39	---	---	118	
Russell Bank	FB697 22A	47	---	---	97	
Russell Bank - South	FB697 22B	48	---	---	---	Does not reach background
Russell Bank - South	FB697 22D	49	---	---	85	
Russell Bank - South (Grass Bed)	Russell 00-2-15-1	56	---	---	107	
Trout Creek	FB295 13A	32	---	---	27	
Whipray Basin	FB294 5A (SFWMD 5A)	20	---	---	---	Does not reach background
Whipray Basin	FB294 5G (SFWMD 5G)	21	---	---	29	
Whipray Basin	FB697 25B	54	---	---	44	Increases near base

[1] Range of possible first occurrence takes into account sampling interval and the next lowest sample in which no *Casuarina* is found. This equates to the internal variance used in the age model.

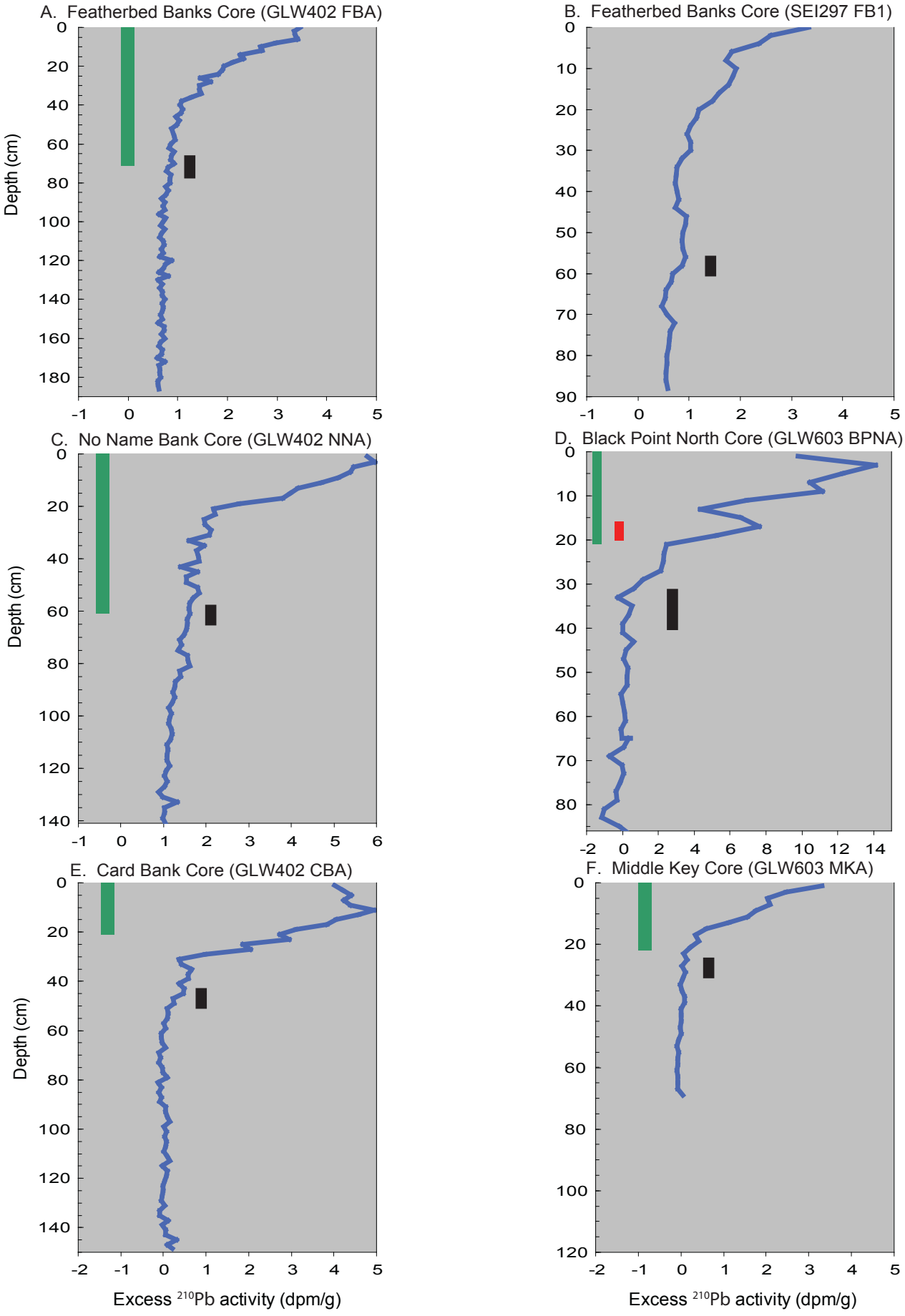

Figure 2. Excess (unsupported) ^{210}Pb activity in decays per minute per gram (dpm/g) plotted against depth in centimeters for Biscayne Bay cores. Data in blue, occurrence depth of *Casuarina* in green, post-modern carbon-14 in red. Black indicates approximate depth where ^{210}Pb acitivity reaches background values. In some cores excess ^{210}Pb values appear to decrease further below the point where they reach background values; this is due to decreased radium values with increased depth in core as discussed in Holmes and others (2001).

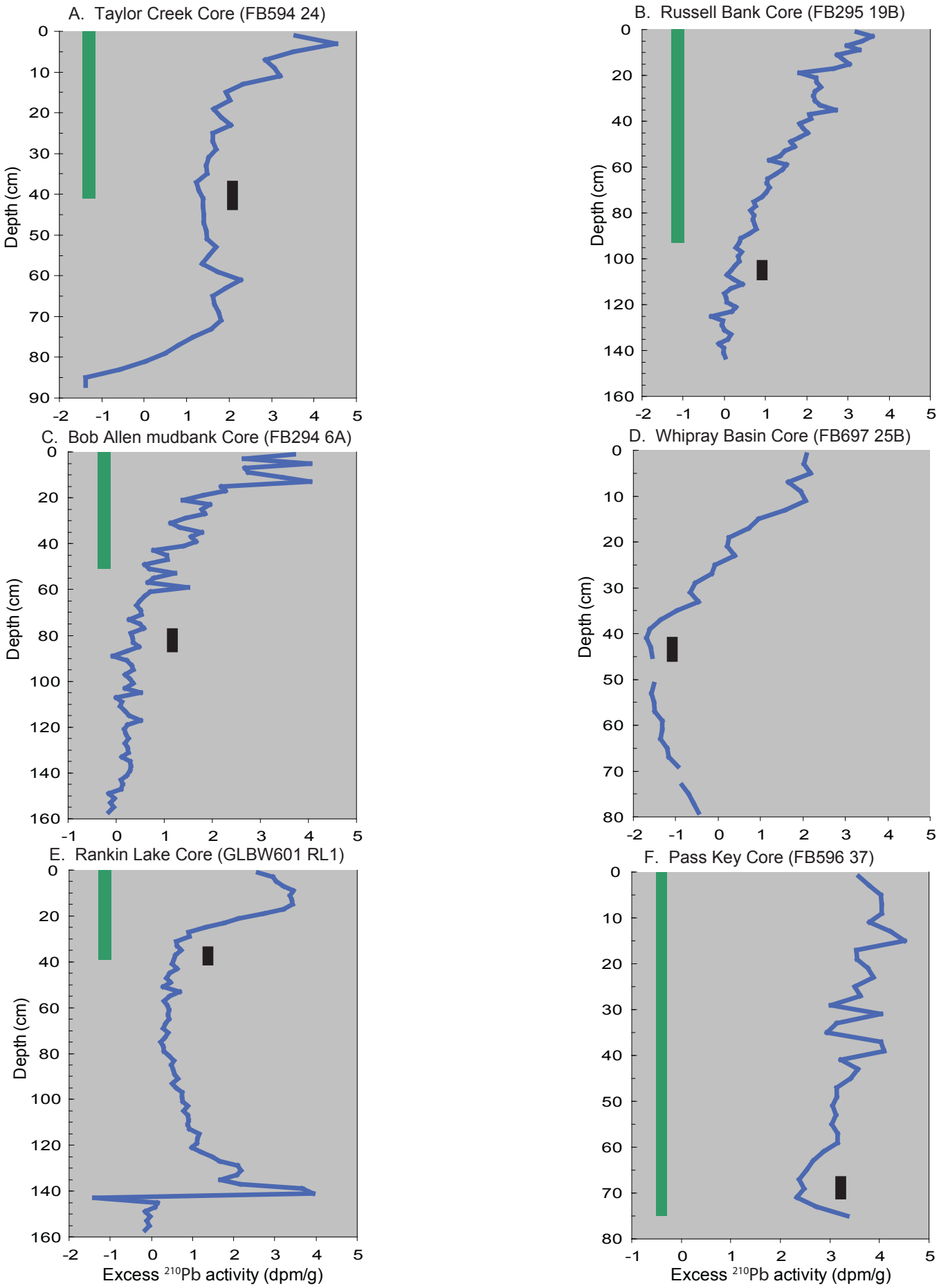

Figure 3. Excess (unsupported) ^{210}Pb activity in decays per minute per gram (dpm/g) plotted against depth in centimeters for Florida Bay cores. Data in blue, occurrence depth of *Casuarina* in green. Black indicates approximate depth where ^{210}Pb acitivity reaches background values. In some cores excess ^{210}Pb values appear to decrease further below the point where they reach background values; this is due to decreased radium values with increased depth in core as discussed in Holmes and others (2001).

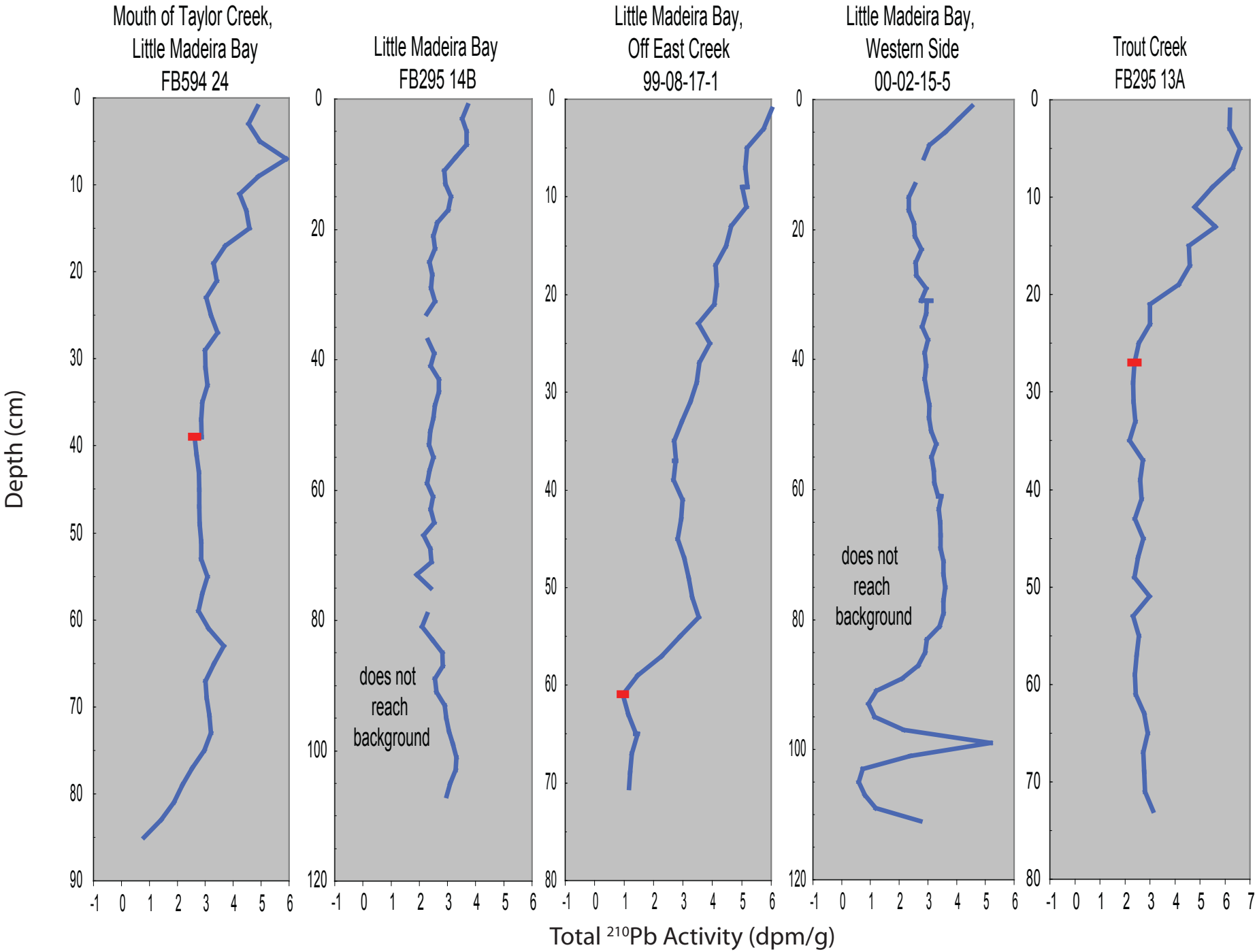

Figure 4. Total ^{210}Pb activity in decays per minute per gram in five cores from the Northern Margin of Florida Bay in Little Madeira Bay and at Trout Creek. Red mark indicates approximate depth where ^{210}Pb acitivity reaches background values (Table 2). In some cores total ^{210}Pb values appear to decrease further below the point where they reach background values; this is due to decreased radium values with increased depth in core as discussed in Holmes and others (2001). Data are in Appendix 1.

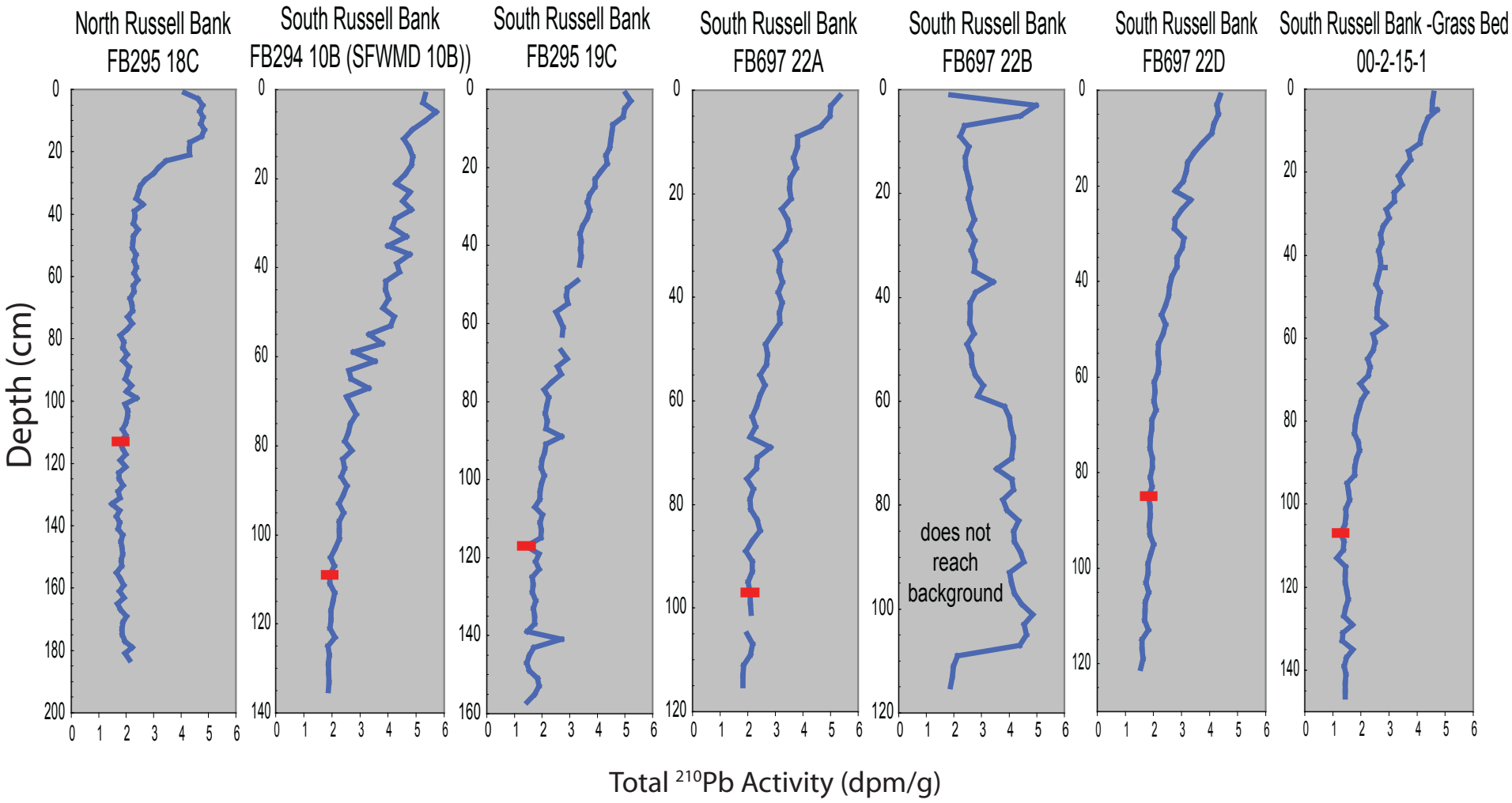

Figure 5. Total ^{210}Pb activity in decays per minute per gram in cores from Russell Bank, Florida Bay. Red mark indicates approximate depth where ^{210}Pb acitivity reaches background values (Table 2). In some cores total ^{210}Pb values appear to decrease further below the point where they reach background values; this is due to decreased radium values with increased depth in core as discussed in Holmes and others (2001). Data are in Appendix 1.

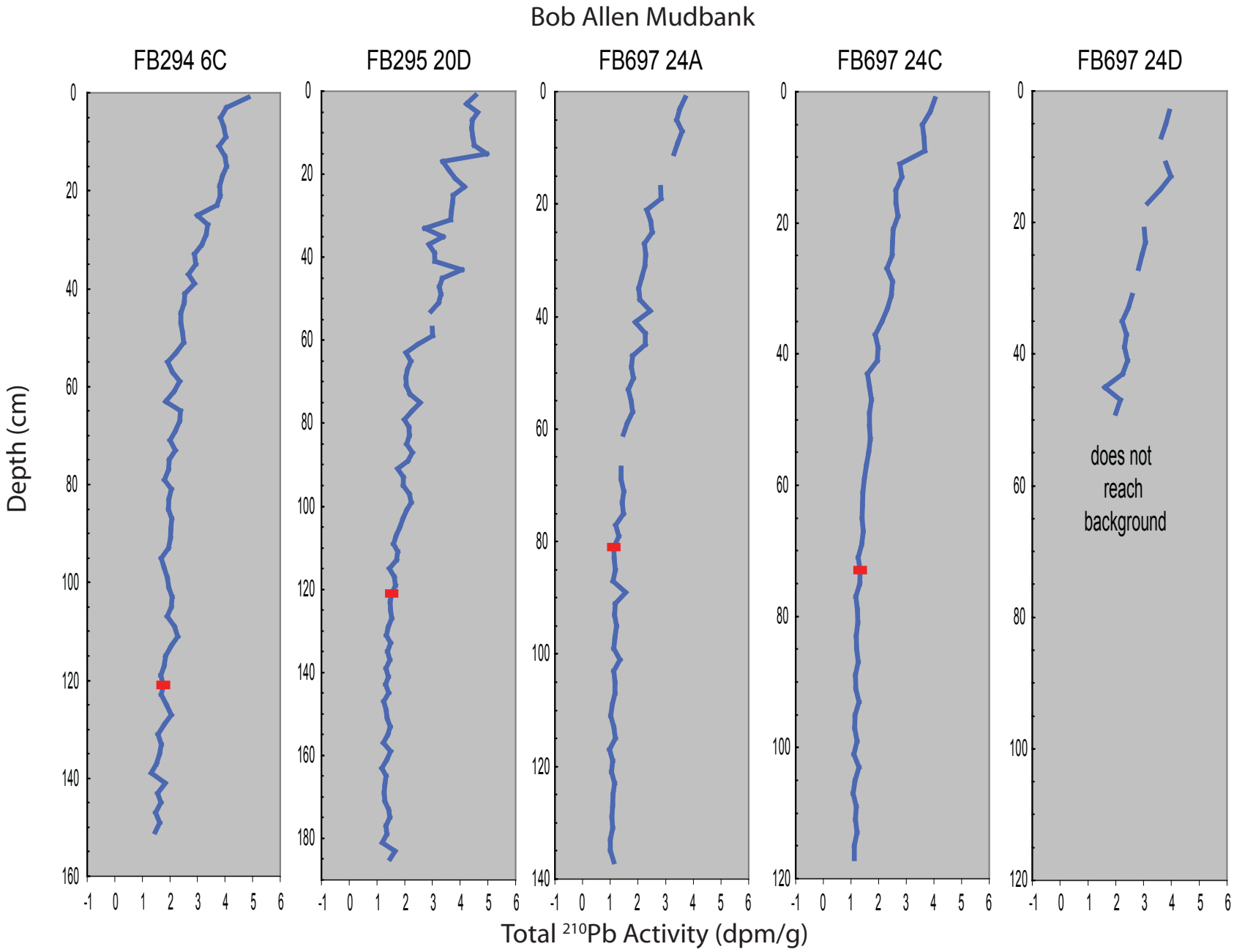

Figure 6. Total ^{210}Pb activity in decays per minute per gram in five cores from Bob Allen mudbank in Florida Bay. Red mark indicates approximate depth where ^{210}Pb acitivity reaches background values (Table 2). In some cores total ^{210}Pb values appear to decrease further below the point where they reach background values; this is due to decreased radium values with increased depth in core as discussed in Holmes and others (2001). Data are in Appendix 1.

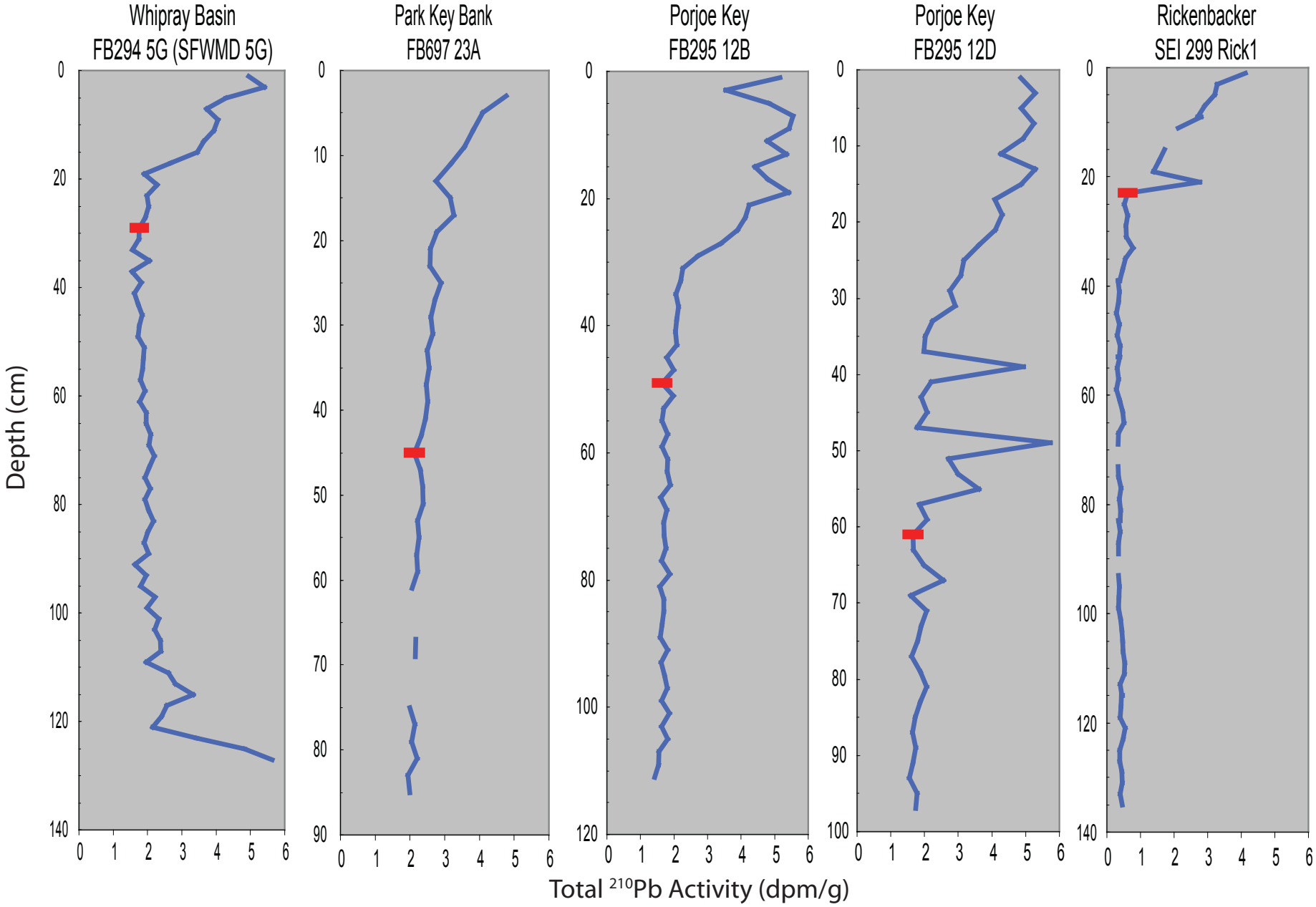

Figure 7. Total ^{210}Pb activity in decays per minute per gram in cores from central and eastern Florida Bay and northern Biscayne Bay. Red mark indicates approximate depth where ^{210}Pb acitivity reaches background values (Table 2). In some cores total ^{210}Pb values appear to decrease further below the point where they reach background values; this is due to decreased radium values with increased depth in core as discussed in Holmes and others (2001). Data are in Appendix 1.

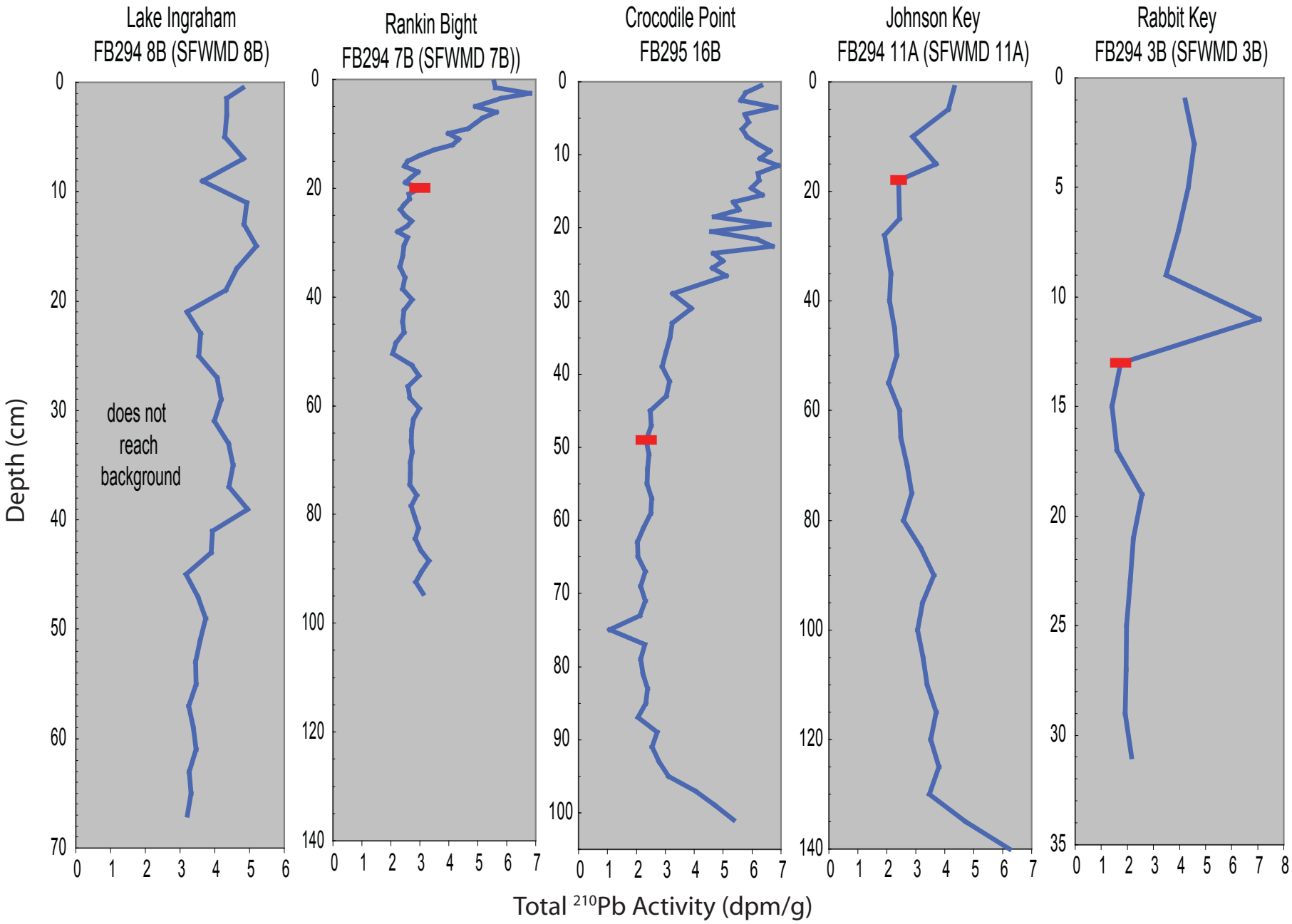

Figure 8. Total ^{210}Pb activity in decays per minute per gram in cores from western Florida Bay. Red mark indicates approximate depth where ^{210}Pb acitivity reaches background values (Table 2). In some cores total ^{210}Pb values appear to decrease further below the point where they reach background values; this is due to decreased radium values with increased depth in core as discussed in Holmes and others (2001). Data are in Appendix 1.

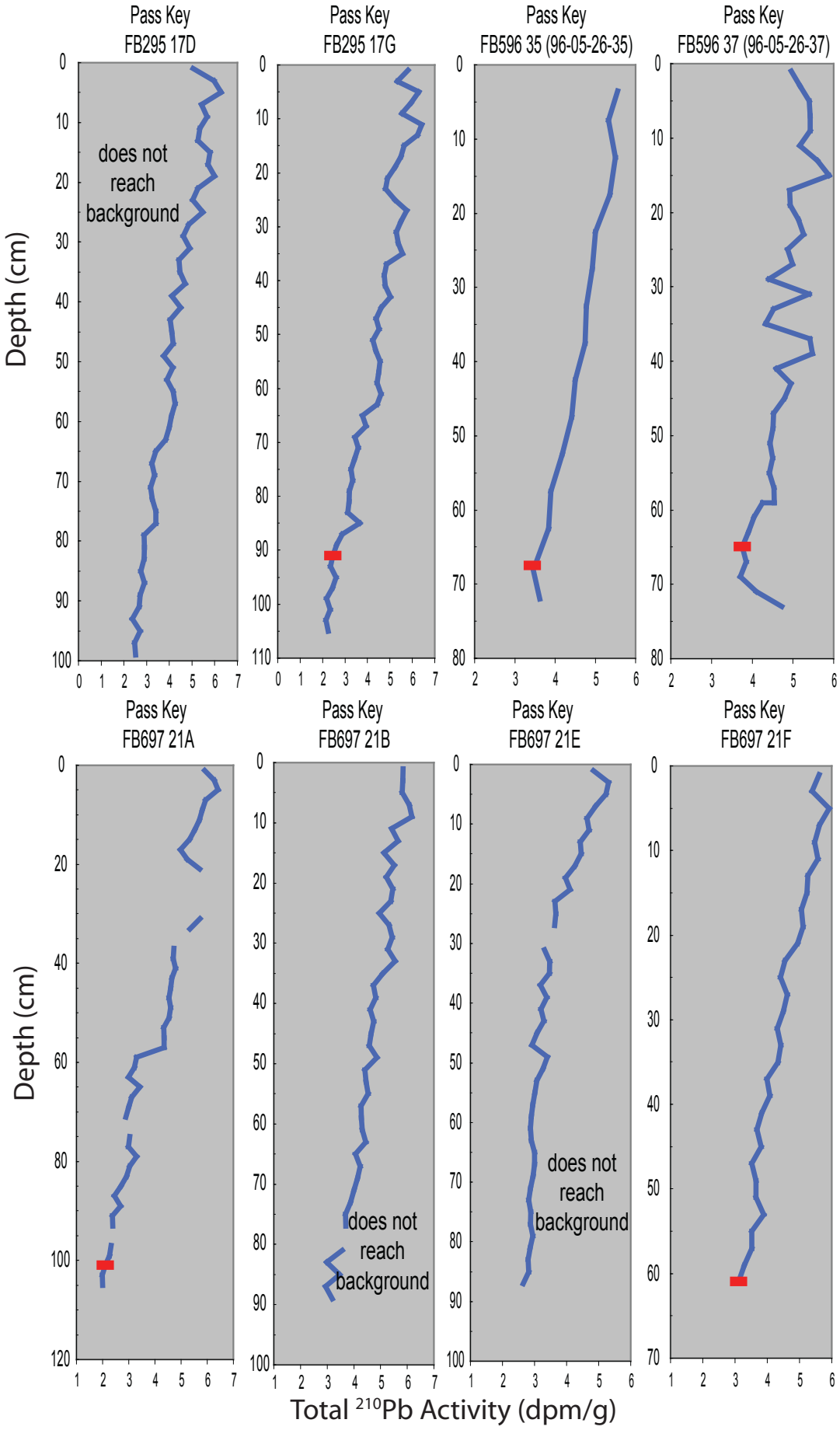

Figure 9. Total ^{210}Pb activity in decays per minute per gram in cores from Pass Key, Florida Bay. Red mark indicates approximate depth where ^{210}Pb acitivity reaches background values (Table 2) In some cores total ^{210}Pb values appear to decrease further below the point where they reach background values; this is due to decreased radium values with increased depth in core as discussed in Holmes and others (2001). Data are in Appendix 1.

have been previously published (Brewster-Wingard and others, 1997; Ishman and others, 1996 (data revised); 1998; Wingard and others, 1995 (data revised); 2003; 2004). Methods for processing followed procedures described in Willard and others (2001).

^{14}C Analyses

Radiocarbon dates provide an estimated age and a basis of comparison of the cores for the pre-20th century deposition. Stuiver (1986, p. 106) discusses the problems associated with ^{14}C for samples less than a thousand years old – "the relative age uncertainty of ^{14}C dates caused by counting statistics is about one percent or more. It is large because the statistical uncertainty in the measured sample activity becomes large in relation to the decrease in ^{14}C activity caused by decay over such a short period." A number of factors may affect the accuracy of ages based on ^{14}C, including species-level fractionation of carbon, up-take of "old carbon", global marine and local reservoir effects, variations in ^{14}C production in the atmosphere over time, circulation of marine carbon in the open ocean and in ground water, and dissolved inorganics (Lowe and Walker, 1997).

Samples were dated with accelerator mass spectrometry (AMS) by Beta Analytical Inc. (33 samples) and the USGS Radiocarbon Lab (15 samples) (Table 3). Material was selected for analysis based on general position within the individual core and quality of preservation of the material. Radiocarbon 2 σ age ranges were calibrated to calendar years using Calib 5.0 (Stuiver and Reimer 1993; 2005) and either a marine or terrestrial carbon correction factor as indicated on Table 3. All calibrated dates herein are presented as calendar years before the date of core collection and designated yrBP. Ages on young shell material deposited after 1950 are expressed in PMC (percent modern carbon).

Development of Age Models

Age information, including ^{14}C, ^{210}Pb and pollen where available, were compiled and examined using a mixed effect regression model provided by the CAgeDepth.fun function within the Windows-version of the statistical software R (see Heegaard, 2003 for the function and *http://cran.r-project.org/* for the R software; last accessed 11/8/2006). The CAgeDepth function takes into consideration the variance between samples (depth and time) and the variance within each sample (sample thickness and probable age range). The output produces an estimated age-depth curve with a 95% confidence interval (Heegaard and others, 2005) (Appendices 2 and 3).

Synthesized Age Information

In the following discussion the cores are organized geographically, beginning with northern and central Biscayne Bay cores, moving south into the southern Biscayne system, and then into Florida Bay. Figure 1 shows the location of the individual cores. Data for cores with no new or revised age information are included in the tables and the appendices for comparison, but are not discussed below.

Biscayne Bay, Rickenbacker Bank

One core was collected from northern Biscayne Bay just south of the Rickenbacker Causeway (SEI0299 Rick1). Total ^{210}Pb reaches background levels at 22-24 cm (Figures 7 and

Table 3: Results of carbon-14 analyses on core samples from Biscayne Bay and Florida Bay. Data are listed alphabetically by core location within each bay.
This table includes all data on carbon-14 analyses available for the estuaries in south Florida. Age models have not been developed for all cores.

						Data from Carbon-14 Laboratory Analyses				Data Generated by CALIB version 5.0			
Core location name	**Core ID**	**Year collected**	**Depth (cm)**	**Carbon lab ID[1]**	**Sample type[3]**	**Measured ^{14}C**	**$\delta^{13}C$**	**Conventional radiocarbon age**	**+/-**	**Median calibrated age, years before collection**	**2σ calibrated age range, years before collection**	**Median calendar year**	**2σ calendar year range**
Biscayne Bay Cores:													
Black Point North	GLW0603 BPNA	2003	18-20	Beta- 184176	Shell, *Prunum*	125.4+/-0.44 pMC[2]	-7.1	120.93 +/- 0.44 pMC[2]	n/a			1950 AD +	
Black Point North	GLW0603 BPNA	2003	38-40	Beta- 184177	Shell, *Anomalocardia*	450	-4.4	790	40	450	355-529	1553 AD	1648-1474 AD
Black Point North	GLW0603 BPNA	2003	62-64	Beta- 184178	Shell, Ostreidae	510	-5.0	840	40	500	403-561	1503 AD	1600-1442 AD
Black Point North	GLW0603 BPNA	2003	74-76	Beta- 184179	Shell, *Anomalocardia*	520	-5.0	850	40	509	409-571	1494 AD	1594-1432 AD
Black Point North	GLW0603 BPNA	2003	74-76	Beta- 184180	Wood, mangrove^	450	-28.9	390	40	497	475-565	1506 AD	1528-1438 AD
Card Bank NW side	GLW0402 CBA	2002	122-124	WW-4124	Shell, *Chione*	n/a	-0.60	830	40	491	378-553	1511 AD	1624-1449 AD
Card Bank NW side	GLW0402 CBB	2002	40-42	Beta- 217247	Shell, *Bittiolum*	250	-1.20	640	40	304	174-390	1698 AD	1828-1612 AD
Card Bank NW side	GLW0402 CBB	2002	104-106	Beta- 217248	Shell, *Bittiolum*	410	-1.20	800	40	460	359-534	1542 AD	1643-1468 AD
Card Bank SE side	SEI0297 CB1	1997	28-30	Beta- 217258	Shell, *Bittiolum*	450	-2.60	820	40	455	354-529	1542 AD	1643-1468 AD
Card Bank SE side	SEI0297 CB1	1997	60-62	Beta- 217259	Shell, *Bittiolum*	580	-1.50	970	40	586	530-667	1411 AD	1467-1330 AD
Card Bank SE side	SEI0297 CB1	1997	80-82	Beta-110302	Shell, unidentified	510	-0.90	910	40	544	473-604	1453 AD	1524-1393 AD
Card Bank SE side	SEI0297 CB1	1997	88-90	Beta- 217260	Shell, *Bittiolum*	540	-0.90	940	40	564	506-652	1433 AD	1491-1345 AD
Card Bank SE side	SEI0297 CB1	1997	130-132	Beta-110303	Shell, unidentified	710	1.40	1150	50	721	637-817	1276 AD	1360-1180 AD
Chicken Key	GLW0603 CKA	2003	32-34	Beta- 184174	Shell, *Anomalocardia*	117.6+/-0.42 pMC[2]	-5.0	112.93 +/-0.42 pMC[2]	n/a			1950 AD +	
Chicken Key	GLW0603 CKA	2003	32-34	Beta- 184175	Shell, *Prunum*	420	-1.2	810	40	472	366-542	1531 AD	1637-1461 AD
Featherbed Bank	GLW0402 FBB	2002	108-110	Beta- 217249	Shell, *Turbo*	100	-0.80	500	40	134	52-201	1868 AD	1950-1801 AD
Featherbed Bank	GLW0402 FBB	2002	136-138	Beta- 217250	Shell, *Turbo*	130	-0.80	530	40	170	52-285	1832 AD	1950-1717 AD
Featherbed Bank	GLW0402 FBB	2002	186-188	WW-4125	Shell, *Turbo*	n/a	1.40	540	35	184	95-296	1818 AD	1907-1706 AD
Featherbed Bank	SEI0297 FB1	1997	60-62	WW-1953	Shell, unidentified mollusk	n/a	0*	570	55	212	90-321	1785 AD	1907-1676 AD
Featherbed Bank	SEI0297 FB1	1997	100-102	WW-1954	Shell, unidentified mollusk	n/a	0*	555	55	197	87-306	1800 AD	1910-1691 AD
Featherbed Bank	SEI0297 FB1	1997	140-142	WW-1955	Shell, unidentified mollusk	n/a	0*	695	55	362	233-490	1635 AD	1764-1507 AD
Featherbed Bank	SEI0297 FB1	1997	220-222	WW-1956	Shell, unidentified mollusk	n/a	0*	810	55	460	346-545	1537 AD	1651-1452 AD
Manatee Bay	SEI1196 MB1	1996	44-46	Beta- 217261	Shell, *Bittiolum*	117.4+/-0.4 pMC[2]	-4.70	112.6+/-0.4 pMC[2]	n/a			1950 AD +	
Manatee Bay	SEI1196 MB1	1996	74-76	Beta- 217262	Shell, *Bittiolum*	360	-3.20	720	40	385	308-474	1611 AD	1688-1522 AD
Manatee Bay	SEI1196 MB1	1996	74-76	WW-1951	Shell, unidentified mollusk	n/a	0*	685	55	349	190-473	1647 AD	1806-1523 AD
Manatee Bay	SEI1196 MB1	1996	86-88	Beta- 224364	Shell, *Bittiolum*	890	-5.20	1220	50	765	693-860	1231 AD	1303-1136 AD
Manatee Bay	SEI1196 MB1	1996	94-96	Beta- 224365	Shell, *Bittiolum*	670	-4.60	1000	40	609	546-678	1387 AD	1450-1318 AD
Manatee Bay	SEI1196 MB1	1996	116-118	WW-1952	Shell, unidentified mollusk	n/a	0*	4670	65	4912	4719-5091	2916 BC	2723-3095 BC
Manatee Bay	SEI1196 MB2	1996	104-106	Beta-110301	Shell, unidentified	3060	-2.30	3440	40	3330	3213-3425	1334 BC	1217-1429 BC
Middle Key Basin	GLW0603 MKA	2003	24-26	Beta- 217255	Shell, Physa sp.^	2350	-9.40	2610	40	2798	2752-2847	795 BC	749-844 BC
Middle Key Basin	GLW0603 MKA	2003	40-42	Beta- 217256	Shell, *Physa* sp.^	2760	-9.50	3010	40	3269	3131-3388	1266 BC	1128-1385 BC
Middle Key Basin	GLW0603 MKA	2003	40-42	Beta-224365	Wood^	2660	-26.20	2640	40	2848	2800-2914	845 BC	797-911 BC
Middle Key Basin	GLW0603 MKA	2003	78-80	Beta- 217257	Fibrous plant residue^	2680	-24.60	2690	40	2814	2775-2867	811 BC	772-864 BC
No Name Bank	GLW0402 NNB	2002	64-66	Beta- 217251	Shell, *Turbo*	180	-0.07	580	40	232	108-329	1770 AD	1894-1673 AD
No Name Bank	GLW0402 NNB	2002	88-90	Beta- 217252	Shell, *Turbo*	190	-0.70	590	40	241	114-336	1761 AD	1888-1666 AD
No Name Bank	GLW0402 NNB	2002	138-140	WW-4126	Shell, *Chione*	n/a	-0.05	670	35	336	272-453	1666 AD	1730-1549 AD
Rickenbacher Bank	SEI0299 Rick1	1999	0-2	WW-2627	Shell, Tellinid	n/a	0*	950	50	569	525-617	1430 AD	1474-1382 AD
Rickenbacker Bank	SEI0299 Rick1	1999	32-34	WW-2628	Shell, Tellinid	n/a	0*	865	55	519	468-561	1480 AD	1531-1438 AD
Rickenbacker Bank	SEI0299 Rick1	1999	66-68	WW-2629	Shell, *Carditamera*	n/a	0*	975	50	587	545-658	1412 AD	1454-1341 AD
Rickenbacker Bank	SEI0299 Rick1	1999	98-100	WW-2631	Shell, Tellinid	n/a	0*	1325	50	888	810-957	1111 AD	1189-1042 AD
Rickenbacker Bank	SEI0299 Rick1	1999	134-136	WW-2630	Shell, *Carditamera*	n/a	0*	1520	70	1081	990-1186	918 AD	1009-813 AD
Florida Bay Cores:													
Bob Allen mudbank	FB294 6A	1994	146-148	Beta-224361	Shell, *Bittiolum*	120	-0.80	520	40	149	44-273	1845 AD	1950-1721 AD
Rankin Lake	GLW0601 RL1	2001	40-42	Beta- 217253	Shell, *Prunum*	140	-1.00	530	40	169	51-284	1832 AD	1950-1717 AD
Rankin Lake	GLW0601 RL1	2001	72-74	Beta- 217254	Shell, *Prunum*	260	-0.80	660	40	325	192-475	1676 AD	1809-1526 AD
Rankin Lake	GLW0601 RL1	2001	128-130	WW-4123	Shell, *Brachidontes*	n/a	1.42	1955	35	1517	1418-1610	484 AD	583-391 AD
Russell Bank	FB295 19B	1995	136-138	Beta-224362	Shell, *Bittiolum*	100	-0.10	510	40	138	45-196	1857 AD	1950-1799 AD
Taylor Creek	FB594 24	1994	76-78	Beta-224366	Shell, *Anomalocardia*	1700	-6.90	2000	40	1566	1440-1681	428 AD	554-313 AD
Whipray Basin	FB697 25B	1997	64-66	Beta-224367	Shell, *Prunum*	270	-0.50	670	40	332	232-451	1665 AD	1765-1546 AD

[1] Beta numbers are analyses conducted by Beta Analytical Laboratories, Miami, FL. WW numbers are analyses conducted by the USGS Carbon Laboratory, Reston, VA. Note: measured carbon-14 values are not available for samples processed at USGS laboratory.

[2] pMC refers to percent modern Carbon. This notation indicates samples contain more carbon-14 than the modern reference standard and signifies the material was respiring carbon after 1950.

[3] Unidentified mollusk means that the shell identity was not recorded prior to analysis, not that the shell is of an unknown species.

^ Non-Marine carbon correction factor applied to these samples. For all other samples the marine correction factor was applied.

* $\delta^{13}C$ value estimated to be zero, slightly less than typical marine values. All other values were measured.

10). No pollen analyses were conducted on this core. Five radiocarbon dates were obtained from the core with the upper three samples from 0-2 cm, 32-34 cm, and 66-68 cm yielding ages ranging from 468-658 yrBP (Figure 10). The lower samples at 98-100 cm and 134-136 cm yield slightly older dates of 810-957 yrBP and 990-1186 yrBP. Increased LOI values between 40 and 100 cm indicate greater organic content in that interval, which may indicate the presence of a grass bed and accompanying changes in grain size and sedimentation rate. The similar dates over widely spaced samples indicate this site has been subject to sediment disruption and no age model was developed for the core.

Biscayne Bay, Featherbed Banks

Three cores were collected and analyzed from Featherbed Bank: SEI297 FB1 was collected in 1997 on the southwestern side of the bank, and GLW402 FBA and FBB were collected side by side in 2002 on the western edge of the bank. ^{210}Pb and pollen biostratigraphy indicate that the upper 70-80 cm of GLW402 FBA were deposited during the 20th century (Table 2; Figure 2A), yielding average 20th century sedimentation rates of ~ 0.7 cm yr^{-1}. Increased LOI values in the upper 20 cm of core GLW402 FBA correspond to a unit of soft mud with *Thalassia* and shells (Figure 11). Below that depth, sediments consist of firmer muds and clays with scattered shells and plant material and lower organic content. Radiocarbon dates were obtained on the marine gastropod *Turbo castanea* from three depths in core GLW402 FBB: 109 cm, 137 cm, and 187 cm (Table 3). The δ^{13}C values of each shell (-0.8 to 1.4 ‰ (per mil)) are consistent with growth in a marine to estuarine environment, and the three dates are in stratigraphic order. Examination of x-radiographs and stratigraphy of the paired cores (FBA and FBB) indicate comparable deposition patterns in both cores (Wingard and others, 2003), justifying construction of a single age model for both cores. A basal age of ~1800 AD is indicated for core GLW402 FBB (Figure 11) and the average pre-20th century sedimentation rate is ~1.4 cm yr^{-1}.

In core SEI297 FB1, ^{210}Pb reaches background levels at 58-60 cm (Table 2, Figure 2B), indicating a similar sedimentation rate (0.6 cm yr^{-1}) to core GLW402FBA. No pollen data were generated for this core. Core SEI297 FB1 consists entirely of sandy mud with shell fragments and vegetation debris. Scattered peaks in organic content probably correspond to intervals enriched in plant debris (Figure 12). Four radiocarbon dates were obtained on unidentified shells collected at 61 cm, 101 cm, 141 cm, and 221 cm depth (Table 3). Although carbon isotope analyses were not conducted on these shells, the presence of marine-estuarine mollusk, ostracode, and benthic foraminifer assemblages indicates that the assumption of a marine isotope signature is appropriate for determination of conventional radiocarbon ages. Because of the large 2σ age range inherent to the youngest radiocarbon date at 61 cm, it was omitted from age model calculation, which is based on the lowest ^{210}Pb datum and the dates at 101 cm, 141 cm, and 221 cm. The resulting regression line includes the 2σ range of the upper date. A basal age of 1452-1651 AD (346-545 yrBP) is indicated for core SEI297FB1 (Figure 12), and the average pre-20th century sedimentation rate is ~0.5 cm yr^{-1}, significantly lower than at GLW402 FBB.

Biscayne Bay, No Name Bank

Two cores collected side by side at No Name Bank in 2002 (GLW402 NNA and NNB) were combined to form a single age model (Figure 13), based on stratigraphic and x-radiograph evidence of comparable deposition rates (Wingard and others, 2003). ^{210}Pb and pollen biostratigraphy indicate that the upper 60 cm of core GLW402 NNA were deposited during the 20th

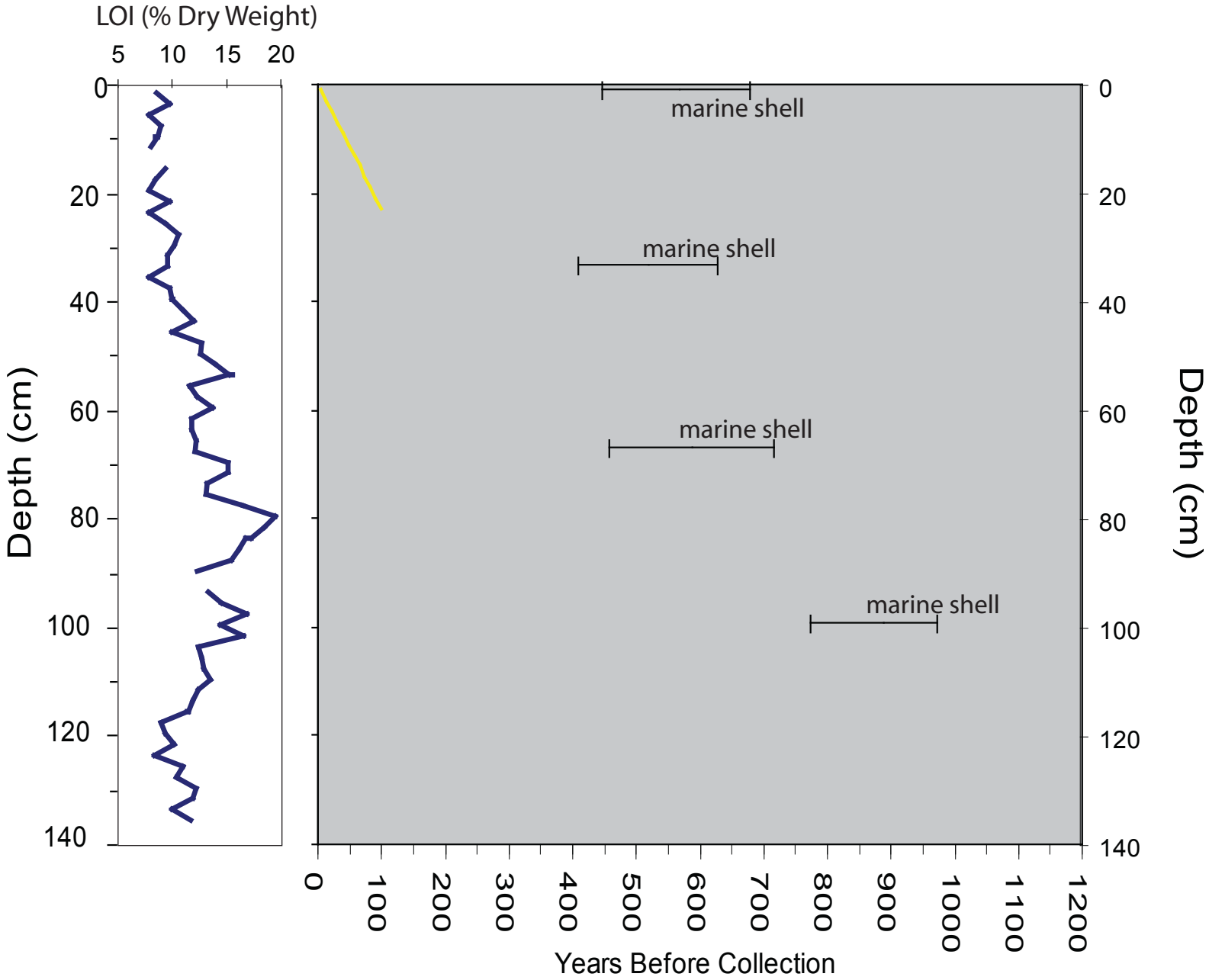

Figure 10. Age data for Rickenbacher core (SEI299 Rick1). No age model was developed for this core. Location of core is shown in Figure 1 and described in Table 1. Data shown can be found in Table 2, Table 3, and the appendix. LOI, loss on ignition, indicates organic material in core.

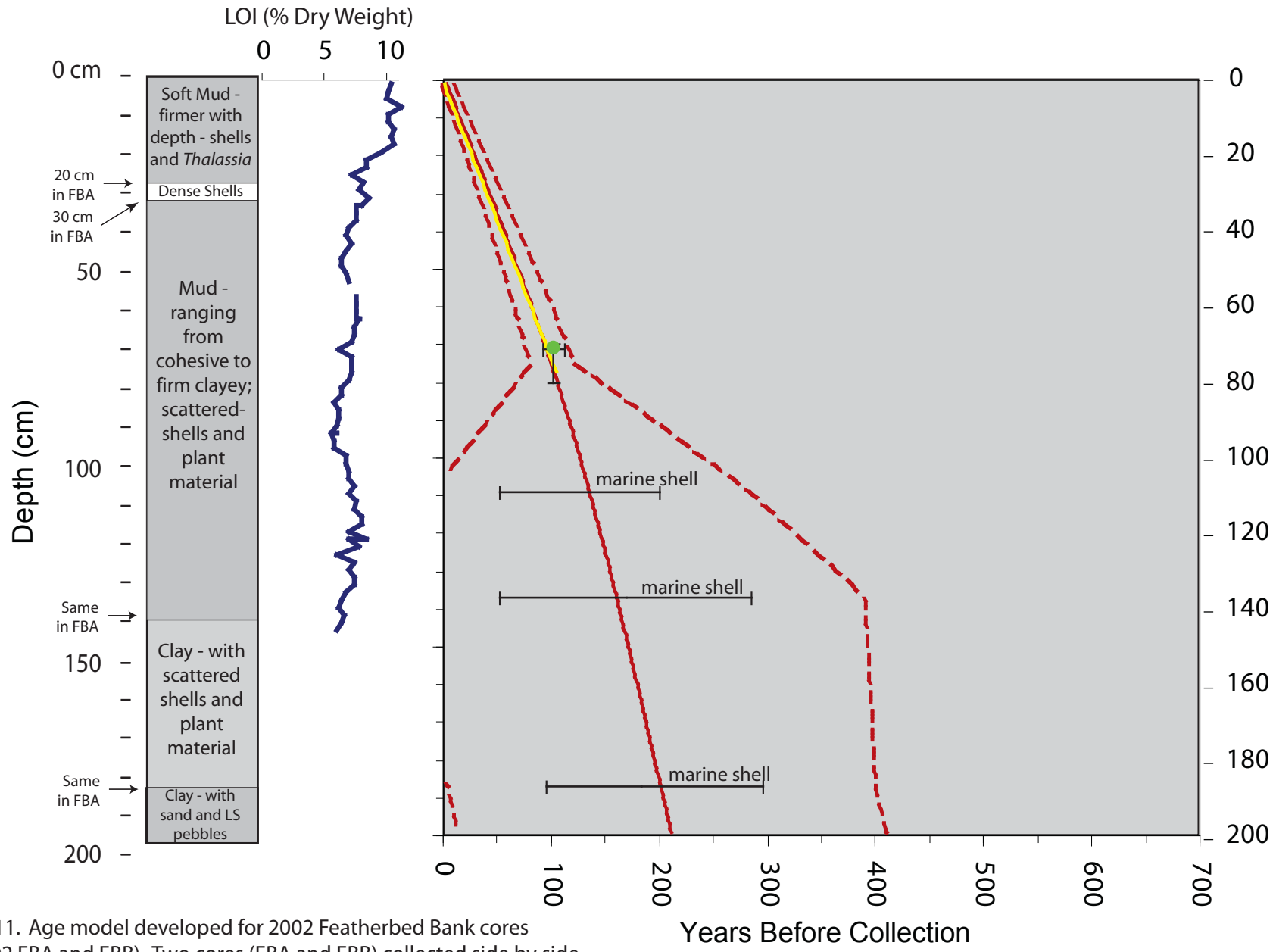

Figure 11. Age model developed for 2002 Featherbed Bank cores (GLW402 FBA and FBB). Two cores (FBA and FBB) collected side by side from the western edge of the bank contributed to the development of this age model. Location of core is shown in Figure 1 and described in Table 1. Data contributing to the model can be found in Table 2, Table 3, and the appendix. LOI, loss on ignition, indicates organic material in core (data from FBA). Lithologic column is FBB, with differences for FBA indicated. Complete lithologic description can be found in Wingard and others (2003).

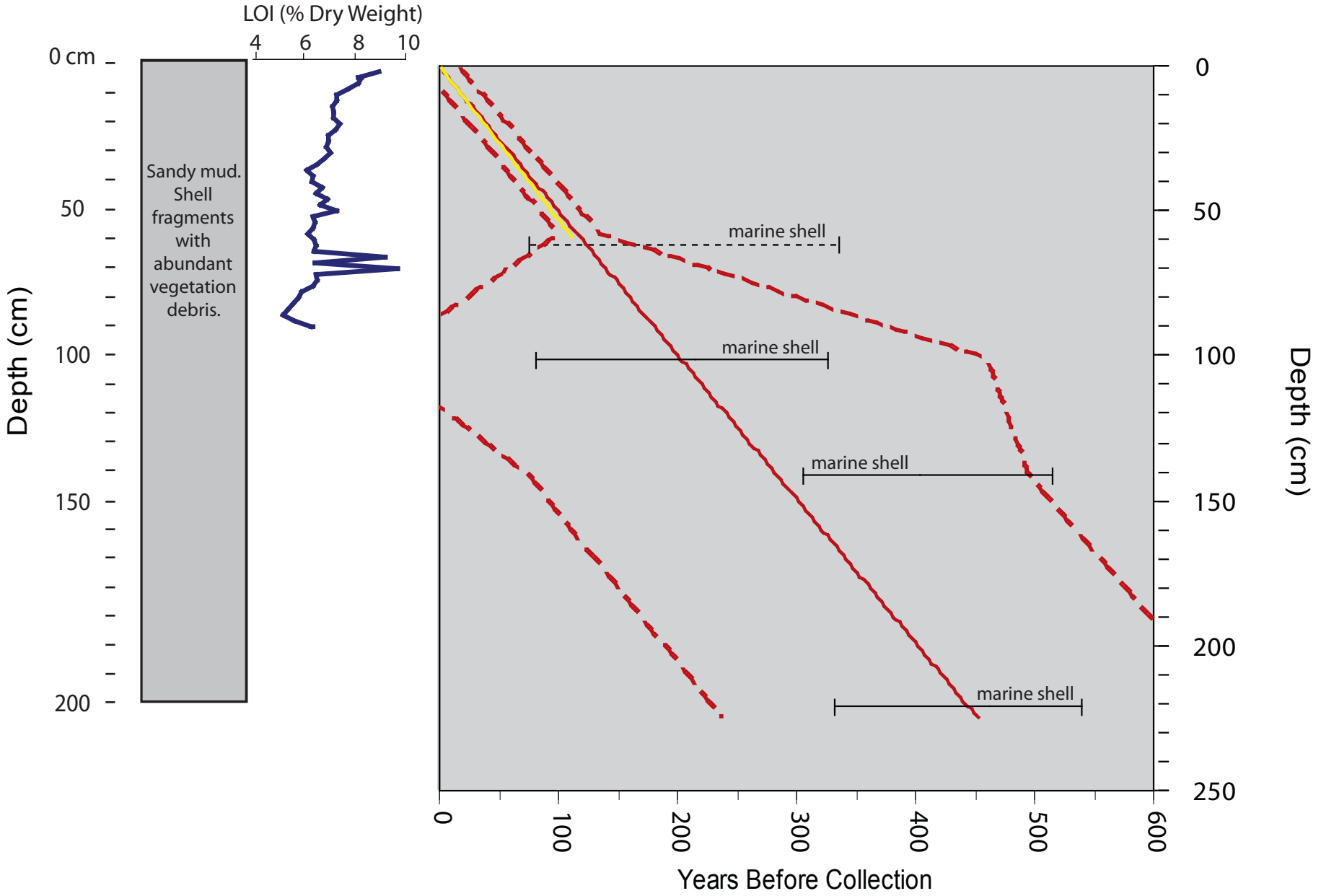

Figure 12. Age model developed for 1997 Featherbed Bank core (SEI297 FB1). Data for the age model are from a single core collected from the southwestern side of the bank. No pollen data were available for this core. The uppermost radiocarbon date was not included in construction of the age model because lead-210 evidence indicates the sample is approximately 100 years old, whereas the 2 sigma range of the radiocarbon date is 90-321 yrBP. However, the two sigma range does intersect the resulting age model. Location of core is shown in Figure 1 and described in Table 1. Data contributing to the model can be found in Table 3 and the appendix. LOI, loss on ignition, indicates organic material in core. Complete lithologic description can be found in Ishman (1997).

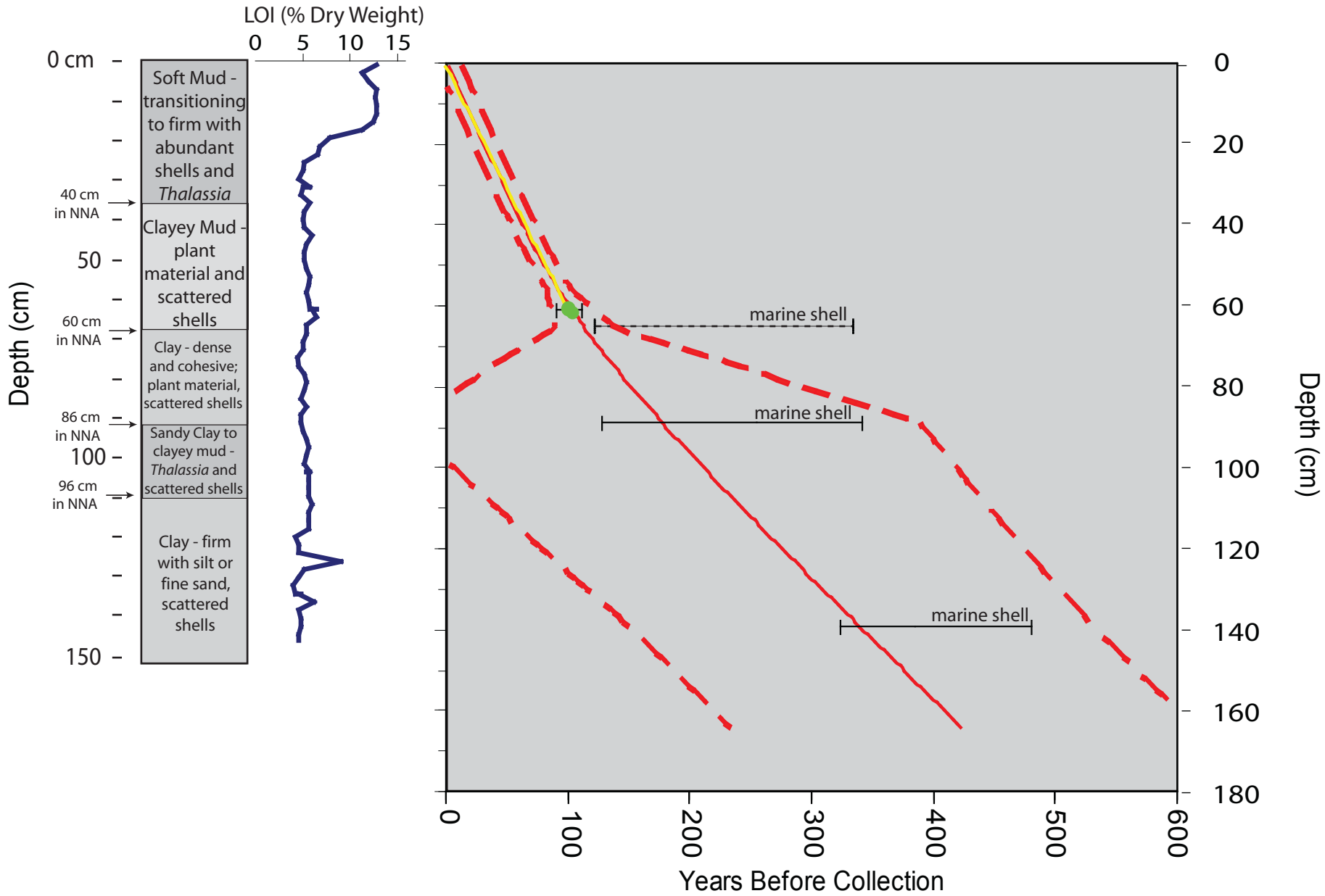

Figure 13. Age model developed for No Name Bank cores (GLW402 NNA and NNB). Two cores (NNA and NNB) collected side by side in 2002 contributed to the development of this age model. The uppermost radiocarbon date was not included in construction of the age model because lead-210 evidence indicates the sample is approximately 100 years old, whereas the 2 sigma range of the radiocarbon date is 108-329 yrBP. However, the two sigma range does intersect the resulting age model. Location of core is shown in Figure 1 and described in Table 1. Data contributing to the model can be found in Table 2, Table 3, and the appendix. LOI, loss on ignition, indicates organic material in core (data from NNA). Lithologic column is NNB, with differences for NNA indicated. Complete lithologic description can be found in Wingard and others (2003).

century (Table 2, Figure 2C), yielding average 20th century sedimentation rates of ~0.6 cm yr^{-1}. Increased LOI values and organic content in the upper 20 cm of core GLW402 NNA, correspond to an interval with abundant *Thalassia* (Fig. 13). Below 35-40 cm, sediments consist of clays and sandy clays with scattered shells and plant material.

Radiocarbon dates were obtained on two specimens of the gastropod *Turbo castanea* (65 cm and 89 cm) and one specimen of the bivalve *Chione cancellata* (139 cm) from core GLW402 NNB (Table 3). Because the uppermost sample has a very broad 2σ age range (108-329 yrBP), it was excluded from construction of the age model, which is based on the basal ^{210}Pb date at 60 cm and the lower two radiocarbon dates of 114-336 yrBP at 89 cm and 272-453 yrBP at 139 cm (Figure 13). The 2σ ranges of the excluded radiocarbon dates lie on the resulting regression line, and the basal radiocarbon date indicates deposition of sediments within the core since about 1600 AD, with an average pre-20th century sedimentation rate of ~ 0.3 cm yr^{-1}. The $\delta^{13}C$ range on the mollusk shells in core B was -0.7 to -0.1 ‰, consistent with deposition in a marine to estuarine environment.

Biscayne Bay, Black Point

Two cores were collected in the Black Point area. The core from near the mouth of Black Creek Canal (SEI0297 BP1) was analyzed for ^{210}Pb to a depth of 20 cm and yielded no significant change with depth, so no additional analyses were conducted. The core collected just north of Black Point (core GLW603 BPNA) is characterized by variable lithology and organic content (Figure 14) and contains evidence for disruption in the upper portion of the core (above 44 cm). Layers of poorly sorted sands correspond to fluctuations in the total and excess ^{210}Pb (Figure 2D). A sharp decrease in mangrove pollen in the upper 4 cm of the core is interpreted as a signal from the destruction of mangroves in the area during Hurricane Andrew in 1992 (Wingard and others, 2004). Organic content is highest in the upper 15 cm and remains fairly high (average 12%) from 15 - 60 cm. Below 60 cm the interbedded sands and clayey sands have the lowest LOI values for the core indicating decreased organics in this segment. The entire core contains large numbers of worn and fragmented shells, with the largest numbers in the zone from 38-62 cm, perhaps due to the location of the core on a bar at the mouth of small tidal inlet where shell debris tends to accumulate.

The first occurrence of *Casuarina* pollen is at 20-24 cm, and ^{210}Pb reaches background levels between 30 cm and 40 cm depth (Table 2, Figure 2D). A radiocarbon date on a gastropod shell (*Prunum* sp.) collected at 19 cm depth yielded a conventional radiocarbon age of 120.93 +/- 0.44 pMC (percent modern carbon; Table 3), indicating growth after production of excess ^{14}C by thermonuclear testing in the 1950's and 1960's (Lowe and Walker, 1997). Collectively, this evidence indicates deposition of 20th century sediments in the upper 30-40 cm of core GLW603 BPNA, and average sedimentation rates of ~0.4 cm yr^{-1}.

Radiocarbon dates were obtained on four other samples from GLW603 BPNA: a bivalve *Anomalocardia auberiana* at 38-40 cm, an unidentified oyster at 62-64 cm, and a wood sample and *Anomalocardia* specimen both collected at 74-76 cm (Figure 14). Although the samples were collected over a range of nearly 40 cm, all yielded ages of in the range of 355-571 yrBP. $\delta^{13}C$ values for the shells ranged from -4.4 to -5.0 ‰ (Table 3), indicating freshwater influence and the possible need for an additional reservoir correction. Given the distribution of ages within this interval, construction of a pre-20th century age model is not merited. However, the correspondence of wood and shell dates at 74-76 cm is suggestive that the lower part of the core was deposited ~500 yrBP.

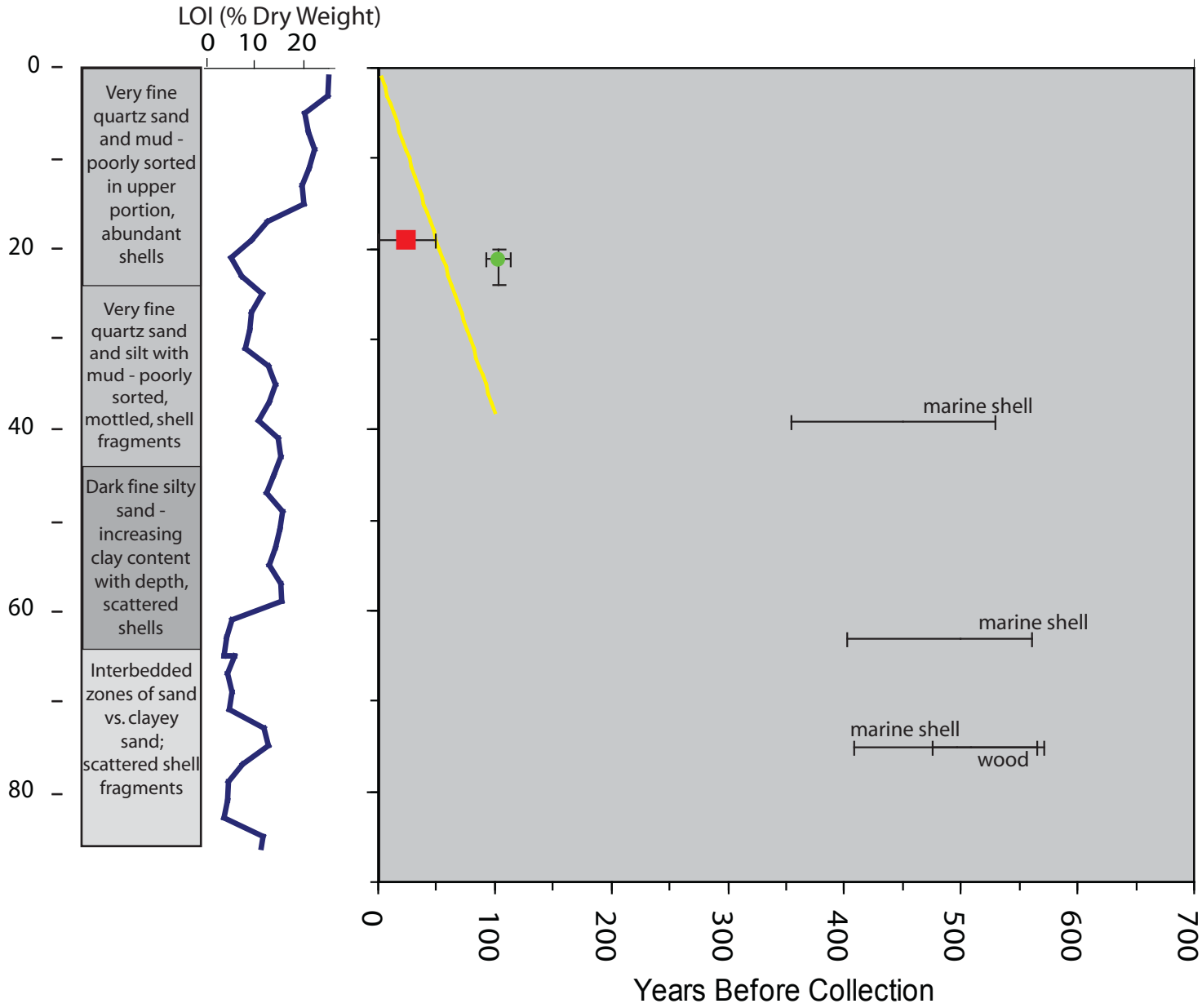

Figure 14. Age data for Black Point North core (GLW603 BPNA). No age model was developed for this core. Location of core is shown in Figure 1 and described in Table 1. Data shown can be found in Table 2, Table 3, and the appendix. LOI, loss on ignition, indicates organic material in core. Complete lithologic description is available in Wingard and others (2004).

Lead-210 derived age model for 20th century
First occurrence of *Casuarina*
2 sigma calibrated radiocarbon age range used in model
Post-modern (1950) radiocarbon date
Loss on ignition (% dry weight)

Biscayne Bay, Card Bank

Cores have been collected from two locations at Card Bank: on the southeastern side of the bank in 1997 (SEI297 CB1), and on the northwestern side of the bank in 2002 (GLW402 CBA and CBB). These two sites differ lithologically. Core SEI297 CB1 coarsens upward, with muds predominating in the lower 135 cm of the core, transitioning to shelly sandy mud and shelly sand in the upper 15 cm (Figure 15). Cores GLW402 CBA and CBB were collected side-by-side as replicate cores and consist primarily of muds with scattered shells (Figure 16). Increased organic content in the upper 50-60 cm corresponds to a unit of soft muds with *Thalassia* and shells.

Pollen data were not generated from core SEI297 CB1, and initial ^{210}Pb analyses were done only to a depth of 28 cm, yielding no significant change in lead activity with depth. This is interpreted as indicating very rapid deposition, and analyses were not completed. The beginning of 20th century deposition cannot be identified in this core. Five ^{14}C dates were obtained from this core at depths ranging from 28 to 132 cm, three on *Bittiolum varium* and two on shells that were not identified prior to analysis (Figure 15). The two uppermost ^{14}C samples yielded were collected from zones with high concentrations of worn or fragmented specimens. The sediment characteristics and relatively old ages of these two samples indicate that they may have come from lag deposit and/or potential disruption of the sedimentary sequence. Based on the lowermost shell date, we estimate an age of 900-600 yrBP for the base of the core. The δ^{13}C range (1.4 to -2.6 ‰) is consistent with deposition in a marine to estuarine environment.

Age information for both 2002 cores is presented in Figure 16 because of the proximity of collection; however, careful examination of sediment descriptions (Wingard and others, 2003) indicates there may be a partial offset between the A and B cores (Figure 16). Although ^{210}Pb values appear to reach background levels around 45 cm depth in core GLW402 CBA, there is considerable disruption in the upper 10 cm of the core (Figure 2E). The first occurrence of *Casuarina* is between 20 cm and 30 cm depth (Table 2). These data indicate that the upper 30-46 cm of core GLW402 CBA were deposited during the 20th century, providing average sedimentation rates of ~0.3 - 0.5 cm yr^{-1} during that period. Three radiocarbon dates were obtained from this pair of cores (Table 3): one a specimen of *Chione cancellata* (a bivalve) at 123 cm in core GLW402 CBA and two *Bittiolum varium* (gastropods) from 41 cm and 105 cm in core GLW402 CBB. The uppermost ^{14}C sample at 40-42 cm in the B core yielded an age of 174-390 yrBP. This is older than samples from the same depth in core GLW402 CBA and supports the stratigraphic offset between the two cores; use of a common age model for the two is not justified in this case.

Biscayne Bay, Middle Key Basin

A single core (GLW603 MKA) was collected from the Middle Key Basin, just south of Card Sound Bridge. This core has a complex lithology, ranging from carbonate mud with abundant shells and plant material at the top (0-44 cm), to peaty muds with abundant terrestrial plant debris (44-92 cm), to carbonate muds and limestone rubble from the underlying bedrock at the base of the core (92-114.5 cm) (Figure 17). LOI analyses were only completed to a depth of 62 cm; below that level the sediment was so rich in organics that there was a possibility of volatizing the ^{210}Po needed for the ^{210}Pb analyses. ^{210}Pb reaches background levels at approximately 26-28 cm, and the first appearance of *Casuarina* pollen is at 20-22 cm (Table 2, Figure 2F). The upper 28 cm of sediments were deposited during the 20th century, yielding average sedimentation rates of ~0.3 cm yr^{-1}.

Four ^{14}C ages were obtained on two samples of wood (41 cm and 79 cm) and two freshwater gastropods (*Physa* sp.) (25 cm and 41 cm). All four dates are >700 yrBP, and they are not in stratigraphic order (Table 3, Figure 17). The uppermost date of 749 – 844 yrBP at 25 cm is

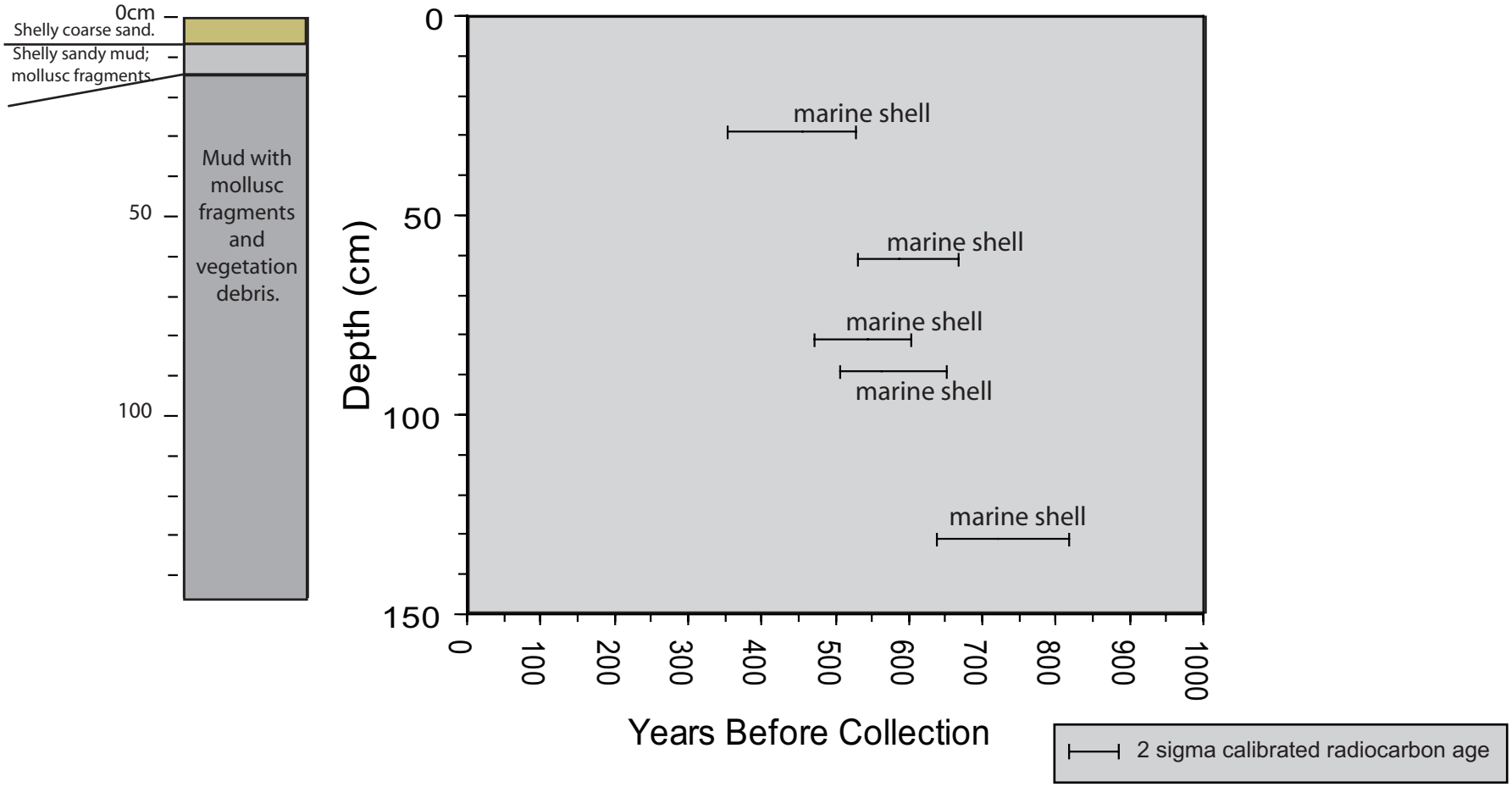

Figure 15. Age data for 1997 Card Bank core (SEI297 CB1). No pollen data are available for this core and no age model has been developed. Location of core is shown in Figure 1 and described in Table 1. Data contributing to the model can be found in Table 2, Table 3, and appendix. Complete lithologic description can be found in Ishman (1997).

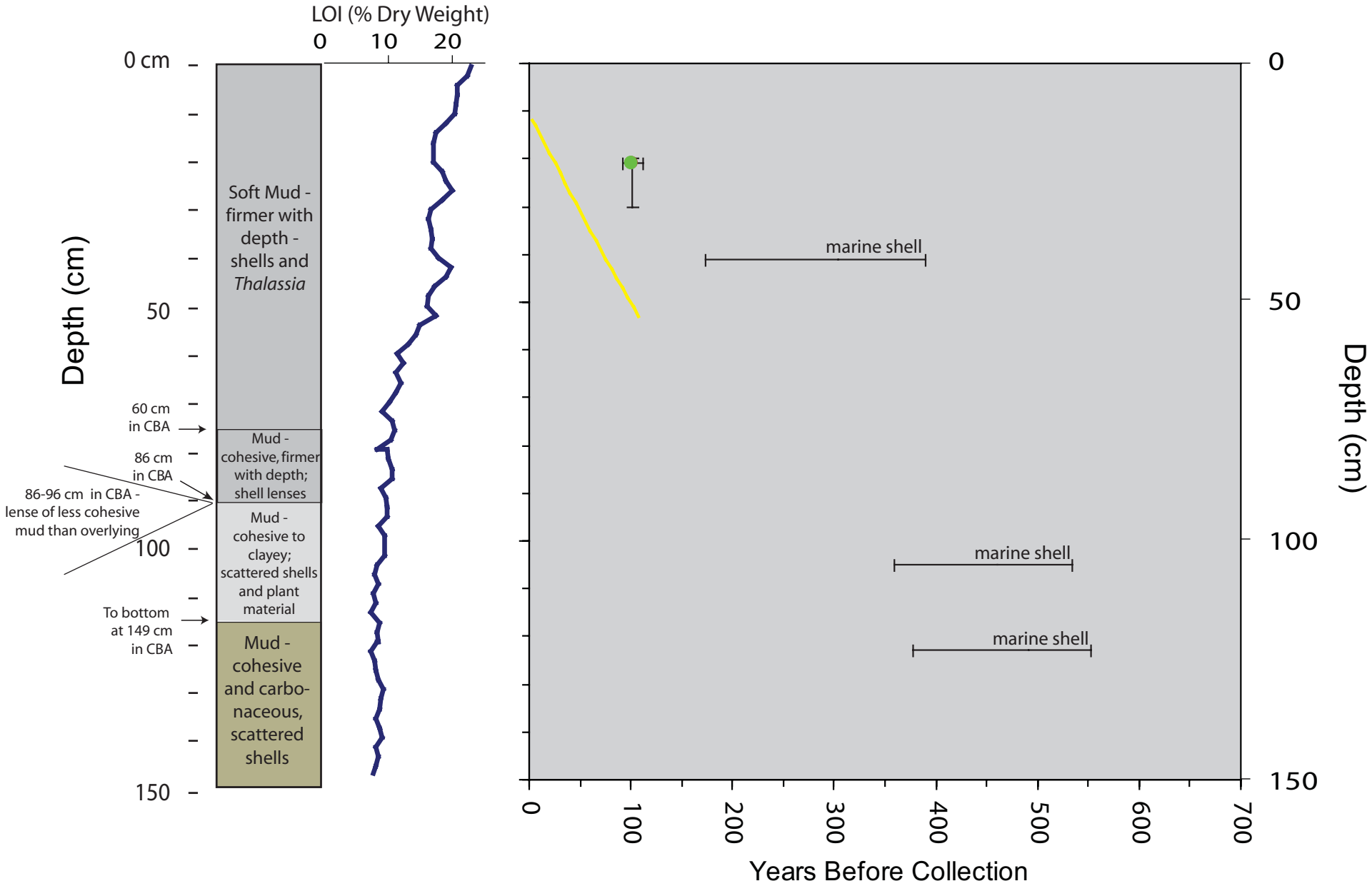

Figure 16. Age data for 2002 Card Bank cores (GLW402 CBA and CBB). Data from two cores (CBA and CBB) collected side by side in 2002 from the northwestern side of the bank are shown here. No age model was developed for these cores. Location of cores are shown in Figure 1 and described in Table 1. Data shown can be found in Table 2, Table 3, and the appendix. LOI, loss on ignition, indicates organic material in core (data from CBA). Litho-logic column is CBB, with differences for CBA indicated. Complete lithologic description can be found in Wingard and others (2003).

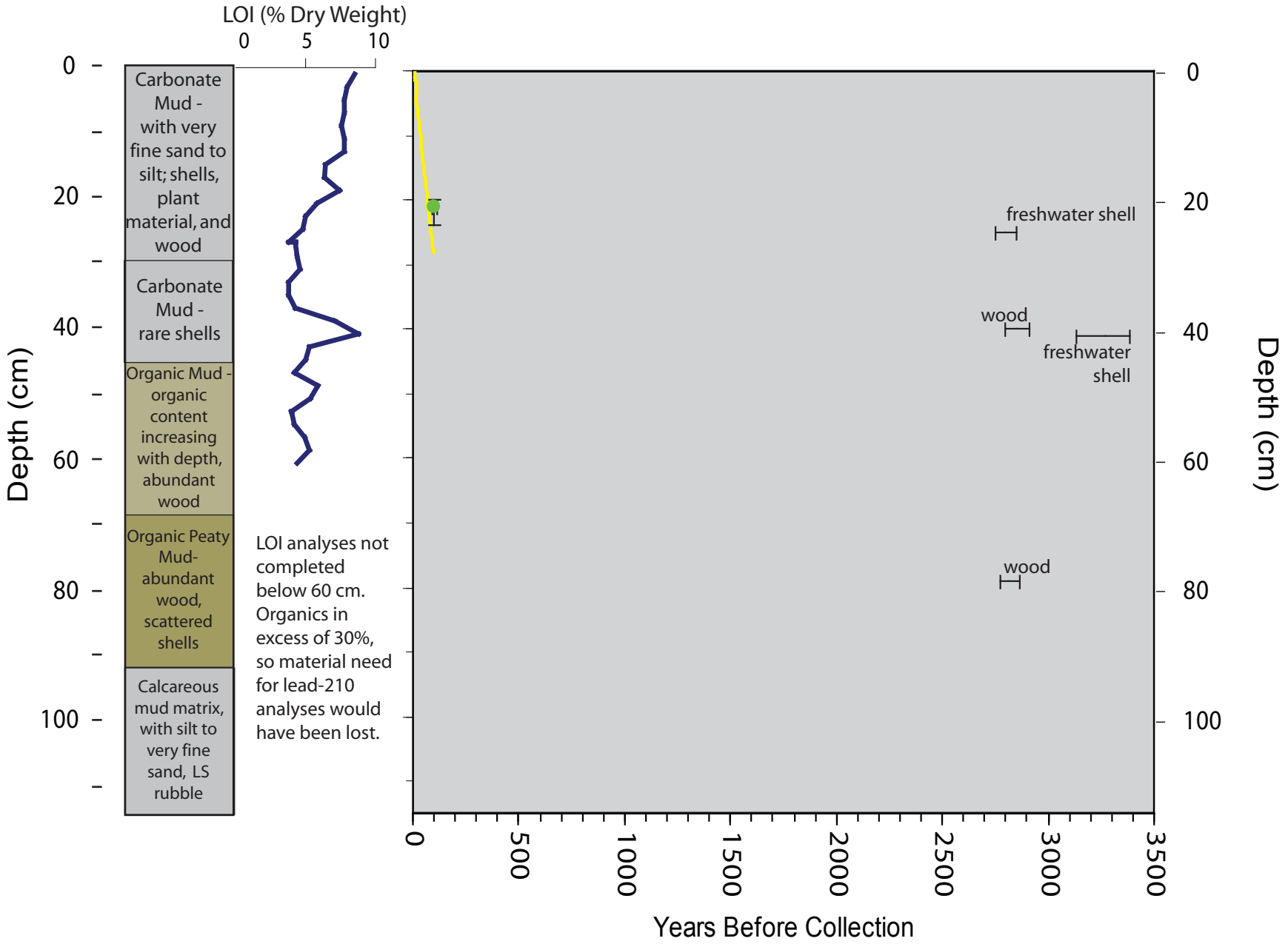

Figure 17. Age data available for Middle Key Basin core (GLW603 MKA). No pre-20th century age model was developed for this core. Location of core is shown in Figure 1 and described in Table 1. Data shown can be found in Table 2, Table 3, and the appendix. LOI, loss on ignition, indicates organic material in core. Complete lithologic description available in Wingard and others (2004).

inconsistent with pollen biostratigraphy and ^{210}Pb data. Faunal assemblages also change significantly within this interval, as does the overall abundance of faunal remains. Although this has previously been interpreted as an environmental change (Wingard and others, 2003), these data indicate that it may also represent a depositional hiatus.

Because of similar dates on plant material from widely spaced samples and uncertainty on the existence of a depositional hiatus between 20 cm and 25 cm depth, no age model was constructed for the lower meter of the core. The lowest samples are likely to be more than 3,000 years old and deposited in a fresh-water regime, but no more refined age model is possible for pre-20th century sediments based on these data.

Biscayne Bay, Manatee Bay

One core was collected near the northeastern edge of Manatee Bay in 1996 (SEI1196 MB1). This core includes a basal peat overlain by peaty marl, and muds, with abundant plant material in the upper 30 cm (Figure 18). Although LOI data were not obtained for the entire core, values >10% in the upper 36 cm are consistent with the presence of abundant plant fragments in the same interval. ^{210}Pb analyses were only conducted in the upper 36 cm, and they did not approach background levels. *Casuarina* first occurs at 65 cm (Table 2), and a radiocarbon date of 112.6 +/- 0.4 pMC was obtained on a gastropod shell (*Bittiolum varium)* collected at 44-46 cm, signifying deposition after 1950 AD. Together, these data indicate that at least the upper 66 cm were deposited during the 20th century, indicating a minimum 20th century sedimentation rate of 0.7 cm yr^{-1}.

Five other radiocarbon dates were obtained on shells: gastropods (*Bittiolum*) collected at 75 cm, 87 cm, and 95 cm, and two unidentified mollusks at 75 cm and 117 cm (Table 3, Figure 18). The *Bittiolum* shells had more negative δ^{13}C ratios (-3.2 to -5.2 ‰), indicating freshwater influence. Because δ^{13}C was not measured on the two unidentified shells, and because values for other shells indicated freshwater influence, calibration of dates on unidentified shells using the standard marine correction of 400 years is tenuous at best. The remaining *Bittiolum* dates are not in stratigraphic order, so no age model was constructed. The combination of a much older date of 4719-5091 yrBP at 117 cm depth, an abrupt change in the fauna and flora at 106 to 110 cm, and a change to peat lithology at 118 cm (Ishman and others, 1998) is suggestive of a depositional hiatus in this interval. A single radiocarbon date of 3213-3425 yrBP was obtained from peat at the base of a second Manatee Bay core (SEI1196MB2), located near the mouth of the Glades Canal.

Florida Bay, Little Madeira Bay / Taylor Creek mouth

Four cores were collected within Little Madeira Bay (Table 1, Figure 1), one from the mouth of Taylor Creek. ^{210}Pb profiles are shown for four Little Madeira Bay cores in Figure 4. Pollen analysis was conducted on one core (FB594 24), and *Casuarina* first appears at a depth of 40-42 cm, and ^{210}Pb approaches background at ~40 cm (Table 2, Figure 3A). These data indicate that 20th century deposition occurred in at least the upper 50 cm of the core yielding a minimum 20th century sedimentation rate of 0.5 cm yr^{-1} for core FB594 24. An estuarine bivalve shell (*Anomalocardia*) collected from above the basal peat at 76-78 cm was used to obtain a single ^{14}C date for core FB594 24 (Table 3, Figure 19), with a 2σ age range of 1440-1681 yrBP. However, the δ^{13}C value of -6.90 ‰ indicates deposition in an environment with significant freshwater influence, therefore calibration of the dates using the standard marine correction of 400 years is questionable.

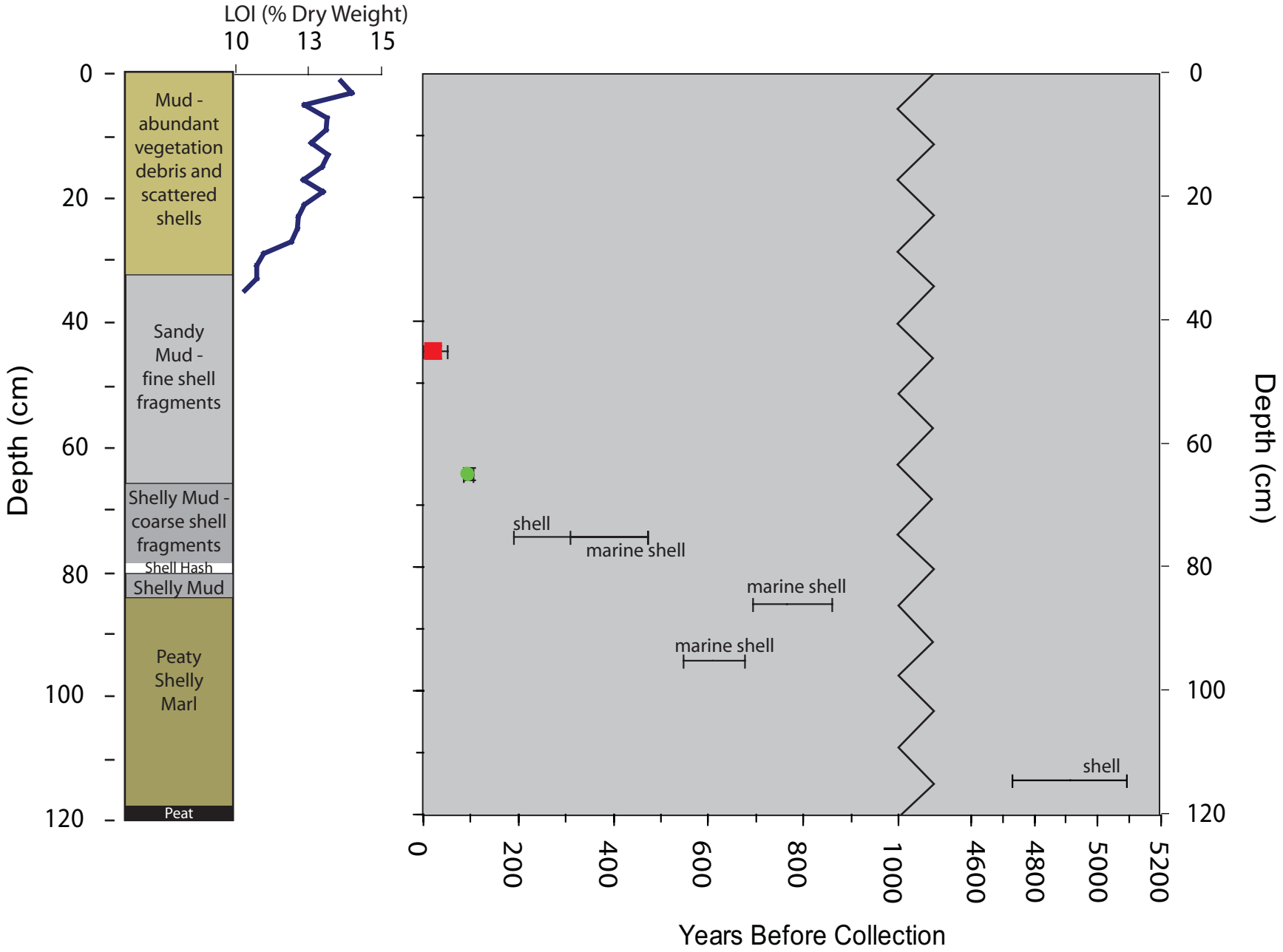

Figure 18. Age data for Manatee Bay core (SEI1196 MB1). No age model was developed for this core. Note: the break in x-axis scale. Location of core is shown in Figure 1 and described in Table 1. Data shown can be found in Table 2, Table 3, and appendix. LOI, loss on ignition, indicates organic material in core. Complete lithologic description is in Ishman (1997).

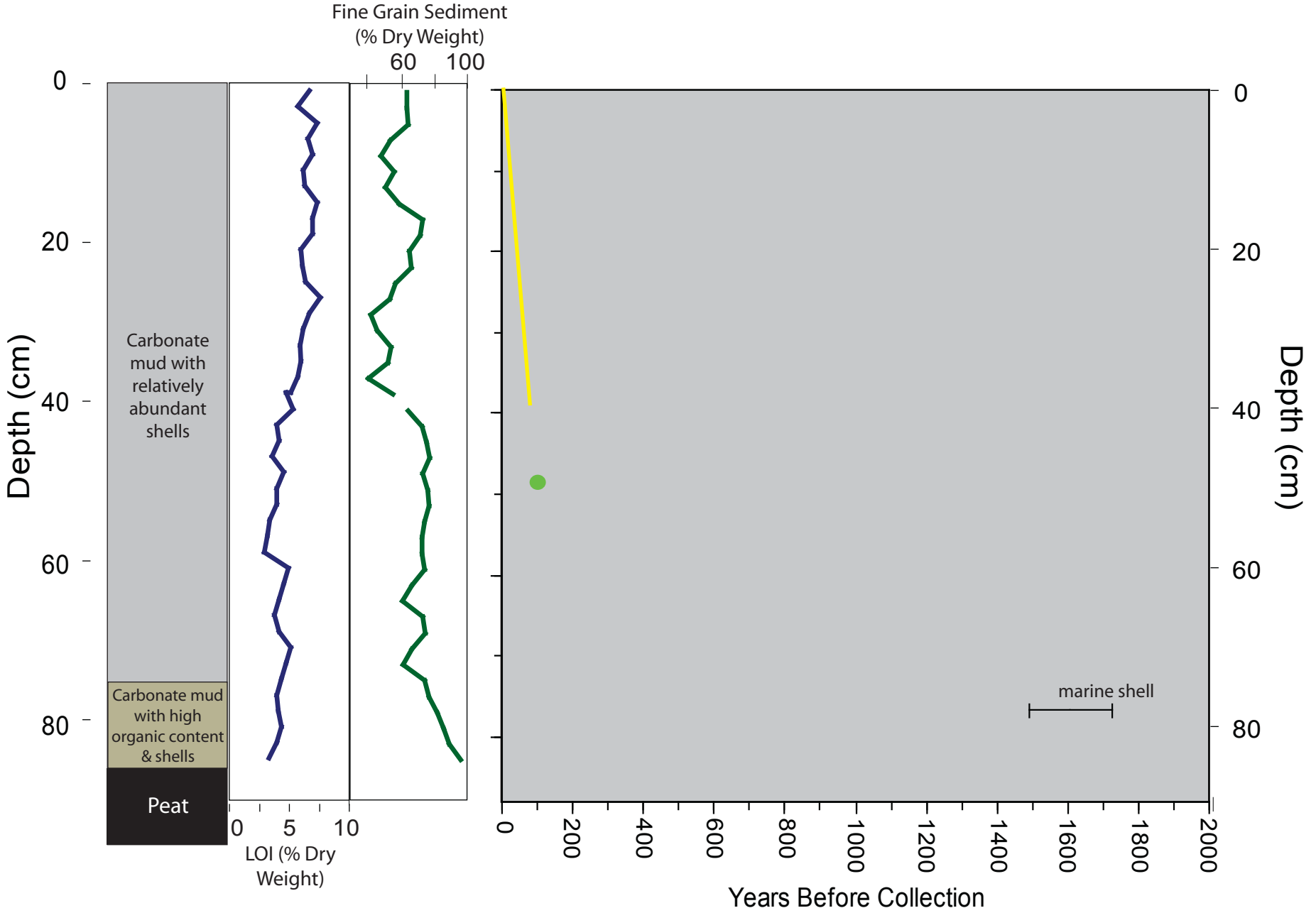

Figure 19. Age data for Taylor Creek core (FB594 T24). No pre-20th century age model was developed. Location of core is shown in Figure 1 and described in Table 1. Data contributing to the model can be found in Table 2, Table 3, and the appendix. LOI, loss on ignition, indicates organic material in core.

Florida Bay, Russell Bank

Nine cores were collected on Russell Bank (Table 1, Figure 1,), and ^{210}Pb analyses were conducted on all cores (Table 2, Figure 5 shows 7 of cores). The resulting data indicate high 20th century sedimentation rates, ranging from 0.9 to 1.2 cm yr^{-1} (Holmes and others, 2001, tab. 2). These cores are predominantly carbonate muds with varying amounts of shell and organics from marine grasses, as seen in the percent of fine grain material and LOI in Figure 20 for core FB295 19A. Pollen analyses were conducted on core FB295 19A, and *Casuarina* first occurs at a depth of 92-94 cm, which is consistent with ^{210}Pb reaching background values at 120 cm in the same core (Table 2, Figure 3B). Core FB295 19A was collected next to core FB295 19B, which was sampled for micropaleontological analyses and radiocarbon dates. Assuming stratigraphic equivalence between the two cores, data from the two cores were combined to develop a single age model (Figure 20). A single ^{14}C date was obtained on the gastropod *Bittiolum* collected at 136-138 cm depth (Table 3). The □^{13}C value of -0.10 ‰ indicates deposition in a marine to estuarine environment, and the ^{14}C 2σ age range is 45-196 yrBP. These data indicate deposition of the entire sequence during the last 200 years, and the upper 100-120 cm in the 20th century.

Florida Bay, Bob Allen mudbank

Core FB294 6A and five other cores were collected on Bob Allen mudbank (Table 1, Figure 1). Sediments were lithologically similar to Russell Bank, with predominantly carbonate muds and interspersed layers of shells and *Thalassia* debris. Core FB294 6A (Figure 21) illustrates some of these shifts in LOI and grain size. The coarser sediment and slightly elevated LOI indicates the presence of a grass bed in the upper 10-15 cm, and from 40-55 cm. The fine grain size and low LOI values between 15 and 40 cm and between 55 and 150 cm are consistent with carbonate mud. The molluscan faunal data indicate the presence of grasses near the core site in the interval above 55 cm, and below 130 cm, with almost barren sediments between 55 and 130 cm (Brewster-Wingard and Ishman, 1998). ^{210}Pb data from these cores indicate fairly high sedimentation rates (0.7 - 1.6 cm yr^{-1} during the 20th century (Figure 6) (Holmes and others, 2001, tab. 2). Pollen analyses also were conducted on core FB294 6A, and *Casuarina* pollen first occurs at 51 cm. ^{210}Pb reaches background levels at 82 cm in FB294 6A (Figure 3C), indicating average sedimentation rates of ~0.8 cm yr^{-1} at the core site, and deposition of the upper 82 cm in the 20th century. One radiocarbon date was obtained on a gastropod shell (*Bittiolum*) at 146-148 cm depth in core FB295 6C (Figure 21) and it indicates deposition of the entire 1.7 meter sequence in the last 200-300 years. A □^{13}C value of -0.80 ‰ is consistent with deposition in a marine/open estuarine environment.

Florida Bay, Whipray Basin

Three cores were collected in Whipray Basin, and ^{210}Pb reaches background levels between 28 and 44 cm in two of these (Figure 3D and Figure 7). Holmes and others (2001, tab. 2) calculated average 20th century sedimentation rates for these sites at 0.37 to 0.43 cm yr^{-1}. Micropaleontological analyses and a radiocarbon date were obtained from core FB697 25B, and no pollen data were generated from any cores from Whipray Basin. Relatively high organic content (12-15% LOI; Figure 22) in the upper 20 cm of core FB697 25B is consistent with abundance of plant fragments throughout the interval. Grain size values are variable throughout the core, indicating periodic changes in sedimentation at the site.

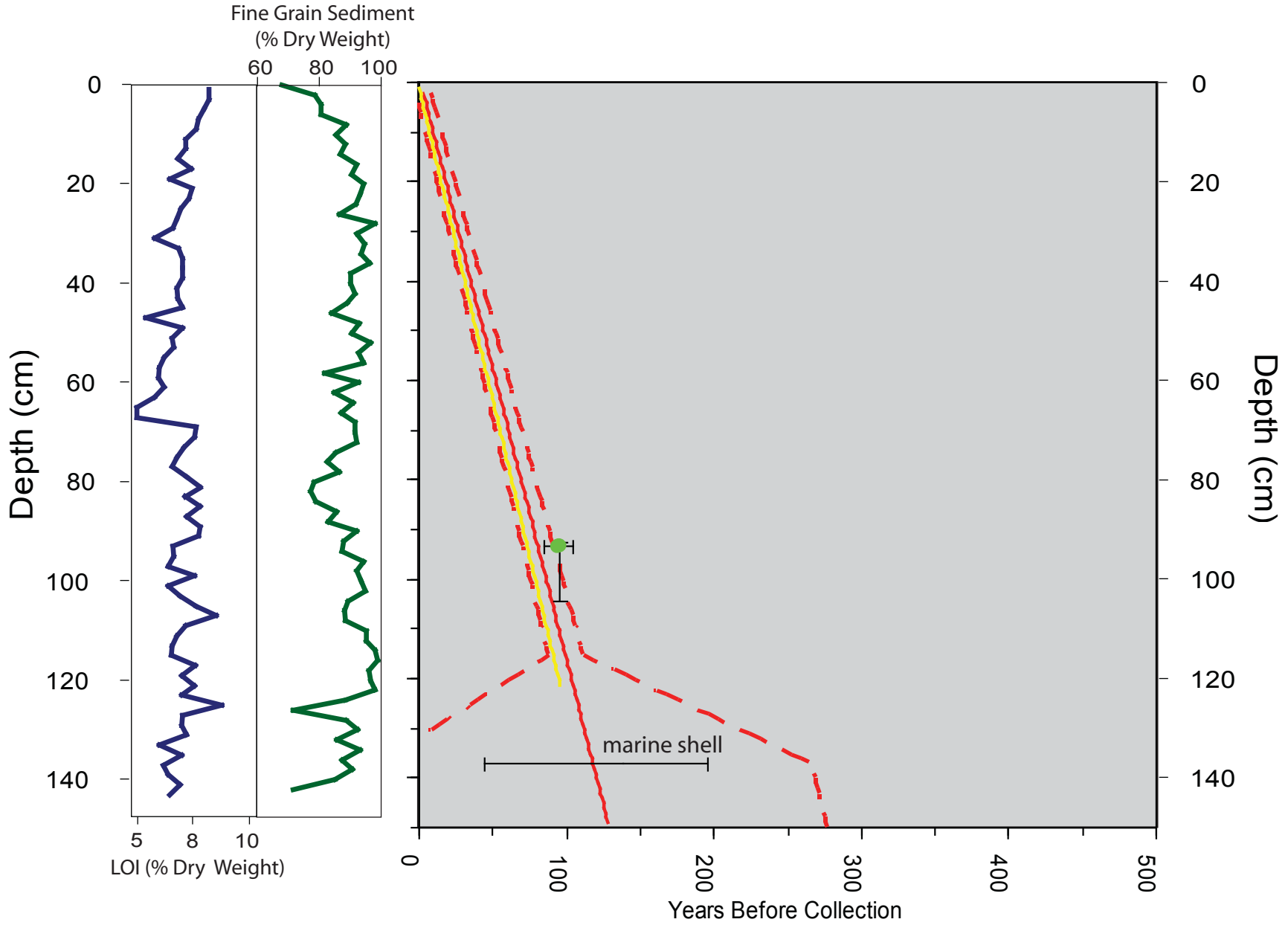

Figure 20. Age model developed for Russell Bank cores (FB295 19A and 19B). Two cores (19A and 19B) collected side by side in 1995 from the south side of the bank contributed to the development of this age model. Location of core is shown in Figure 1 and described in Table 1. Data contributing to the model can be found in Table 2, Table 3, and the appendix. LOI, loss on ignition, indicates organic material in core.

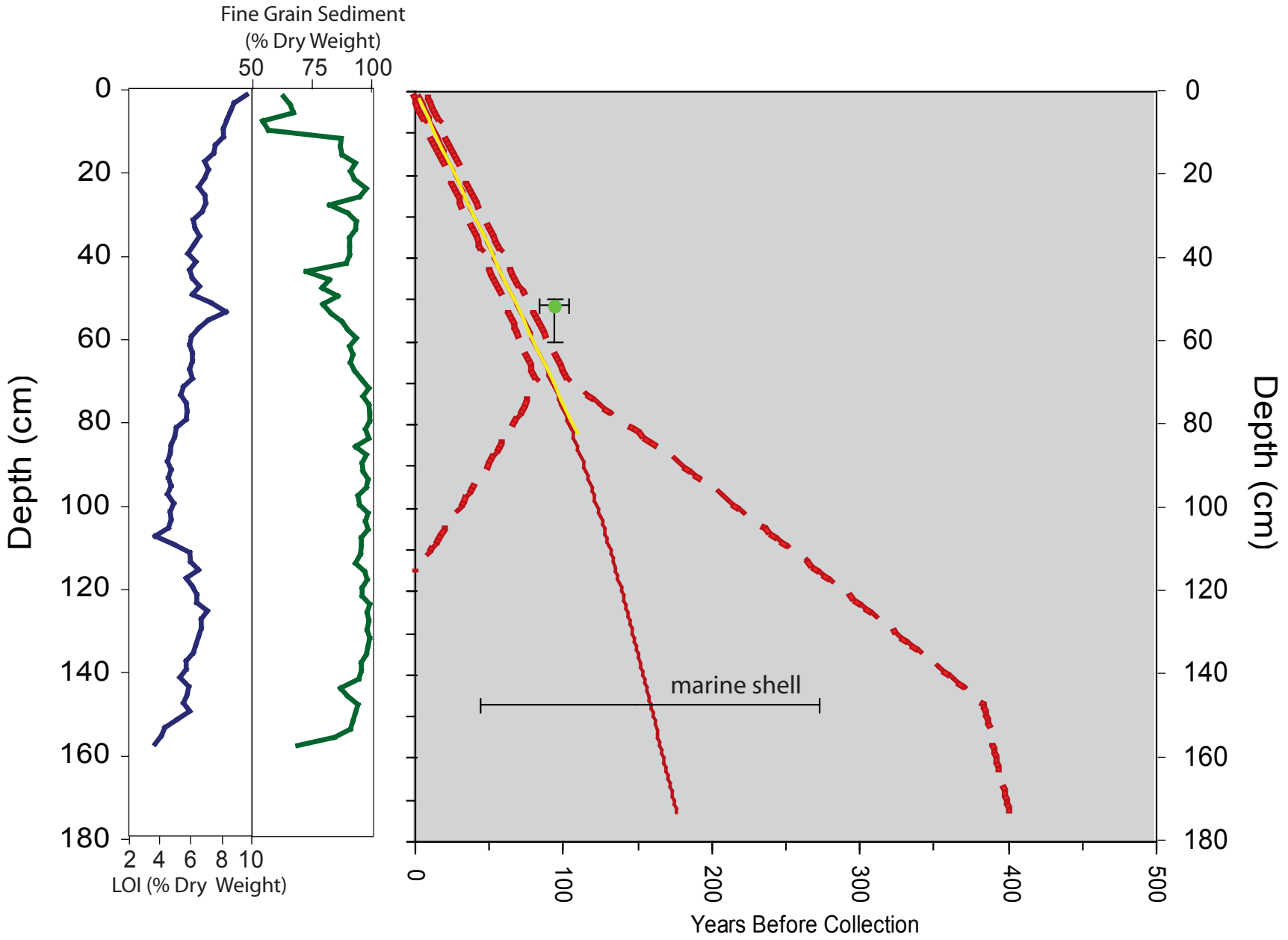

Figure 21. Age model developed for Bob Allen mudbank core (FB294 6A). Location of core is shown in Figure 1 and described in Table 1. Data contributing to the model can be found in Table 2, Table 3, and the appendix. LOI, loss on ignition, indicates organic material in core.

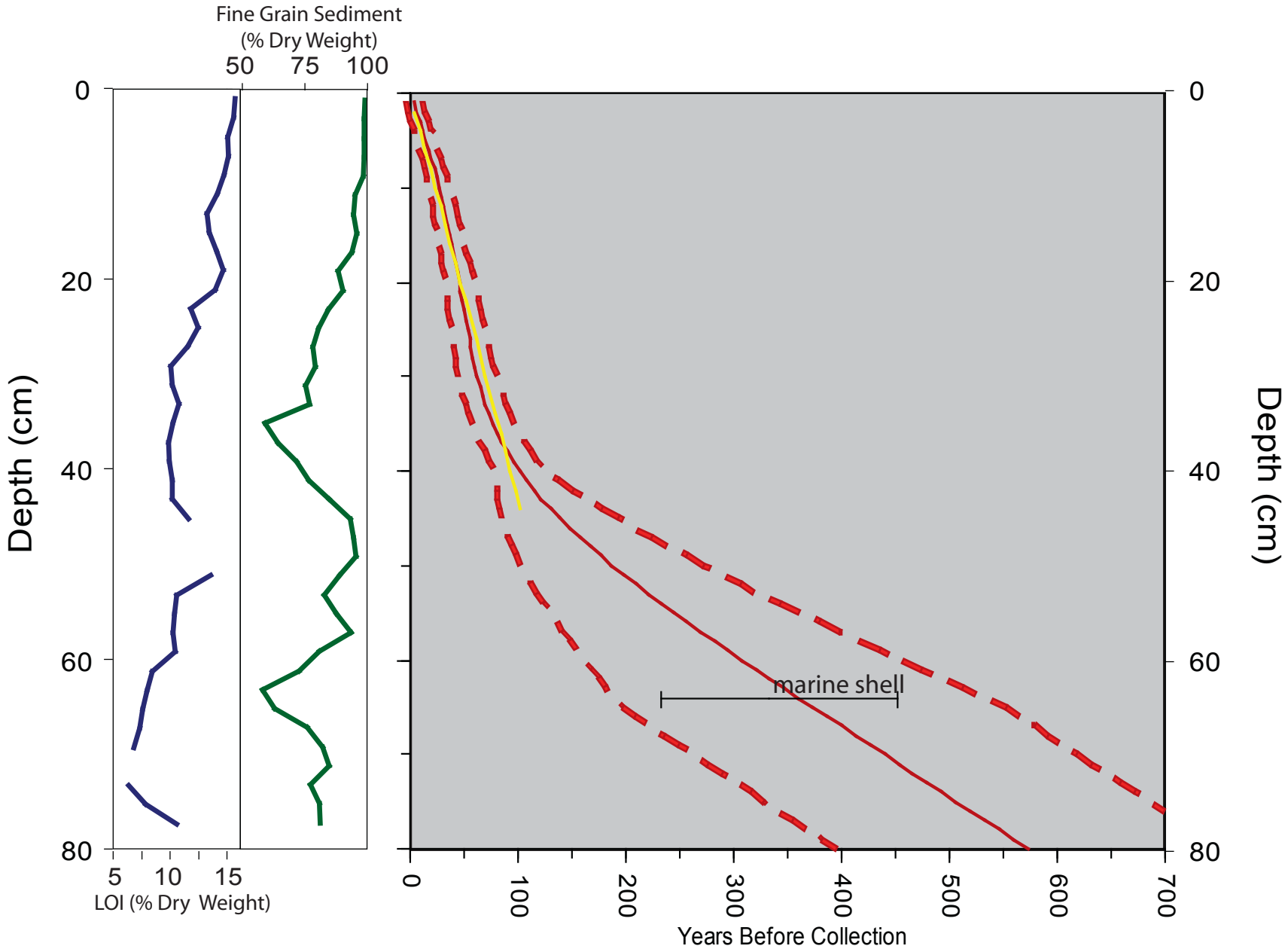

Figure 22. Age model developed for Whipray Basin core (FB697 25B). No pollen data were available for this core. Location of core is shown in Figure 1 and described in Table 1. Data contributing to the model can be found in Table 2 and the appendix. LOI, loss on ignition, indicates organic material in core.

^{210}Pb reaches background rates at approximately 44 cm in core FB697 25B, although it fluctuates a fair amount, indicating some disturbance of the sediments (Table 2, Figure 3D), which agrees with the fluctuations in grain size. One radiocarbon date was obtained on a *Prunum* shell (gastropod) from 64-66 cm (Table 3), which yielded a 2σ age range of 232-451 yrBP. The age model developed from these two data points puts the start of 20th century deposition between 35 and 45 cm and the calculated age for the bottom of the core at ~ 500 yrBP (Figure 22). The average sedimentation rate for the pre-20th century interval in the core ranges between 0.08 and 0.22 cm yr^{-1}. Although this age model is based on only two lines of evidence, the data are relatively consistent and provide a general model for deposition over the last 100 to 500 years in Whipray Basin. The $\delta^{13}C$ value of -0.50 ‰ is consistent with deposition in an estuarine environment.

Florida Bay, Rankin Basin

The age model for Rankin Basin is developed from a single core collected in 2001 (GLW601 RL1) (Figure 23). This core was located at the site of a documented sea grass die-off that occurred in 1987-1988 (Zieman and others, 1999). The ^{210}Pb profile in the upper 20 cm of the core indicates that this segment reflects post die-off deposition (Figure 3E). Death of the seagrass would mobilize sediments on the top of the bank, which would migrate and potentially deposit on the side of the bank where the core was taken, explaining the reverse profile of the ^{210}Pb. Elevated LOI values in the upper 28 cm of the core are consistent with the presence of organics from a grass bed, and the organic debris left by the die-off of a grass bed. *In situ* deposition is represented by the start of the normal decay profile at 20 cm. For this reason, the ^{210}Pb data in the age model start at 20 cm and are set at 1987. There is excellent agreement between the first appearance of *Casuarina* and the zone at which ^{210}Pb reaches background levels (38-40 cm and 36-38 cm, respectively) for the core (Table 2). Twentieth century deposition began in this core between 36 and 40 cm and the average sedimentation rate for the 20th century is 0.4 cm yr^{-1}.

The uppermost radiocarbon date on the gastropod *Prunum* sp. was obtained at 41 cm depth, directly below the point at which ^{210}Pb reaches background levels (Table 3, Figure 23). The 2σ age range for the sample is 51-284 yrBP, which is consistent with age models based on ^{210}Pb and pollen biostratigraphy. Two additional radiocarbon dates were obtained, one at 73 cm on a *Prunum* shell and another at 129 cm on a *Brachidontes* shell. The $\delta^{13}C$ values on these shells range from -0.80 to 1.42 ‰ and are consistent with deposition in an estuarine to marine setting. The age model based on these dates indicates that the 140 cm sequence was deposited during the last 1600 years, and the pre-20th century average sedimentation rate was 0.3 cm yr^{-1}.

Additional Age Data from Florida Bay Sites

^{210}Pb data are included from additional sites in Florida Bay (most previously reported in Holmes and others, 2001) to indicate variations in sedimentation rates within the Bay, and for comparison to sites analyzed for paleoecologic data. At sites from the western portions of Florida Bay (Rankin Bight, Crocodile Point, Johnson Key, and Rabbit Key) ^{210}Pb generally reaches background rates at relatively shallow depths and the average 20th century sedimentation rates range from 0.3 to 0.4 cm yr^{-1} (Holmes and others, 2001, tab. 2). These rates are consistent with the patterns discussed above for Whipray and Rankin Basin cores. The exception for the western bay cores is Lake Ingraham, located on Cape Sable. ^{210}Pb does not reach background levels at this site (Figure 8), and the calculated rate of sedimentation is 3.6 cm yr^{-1} (Holmes and others, 2001, tab. 2).

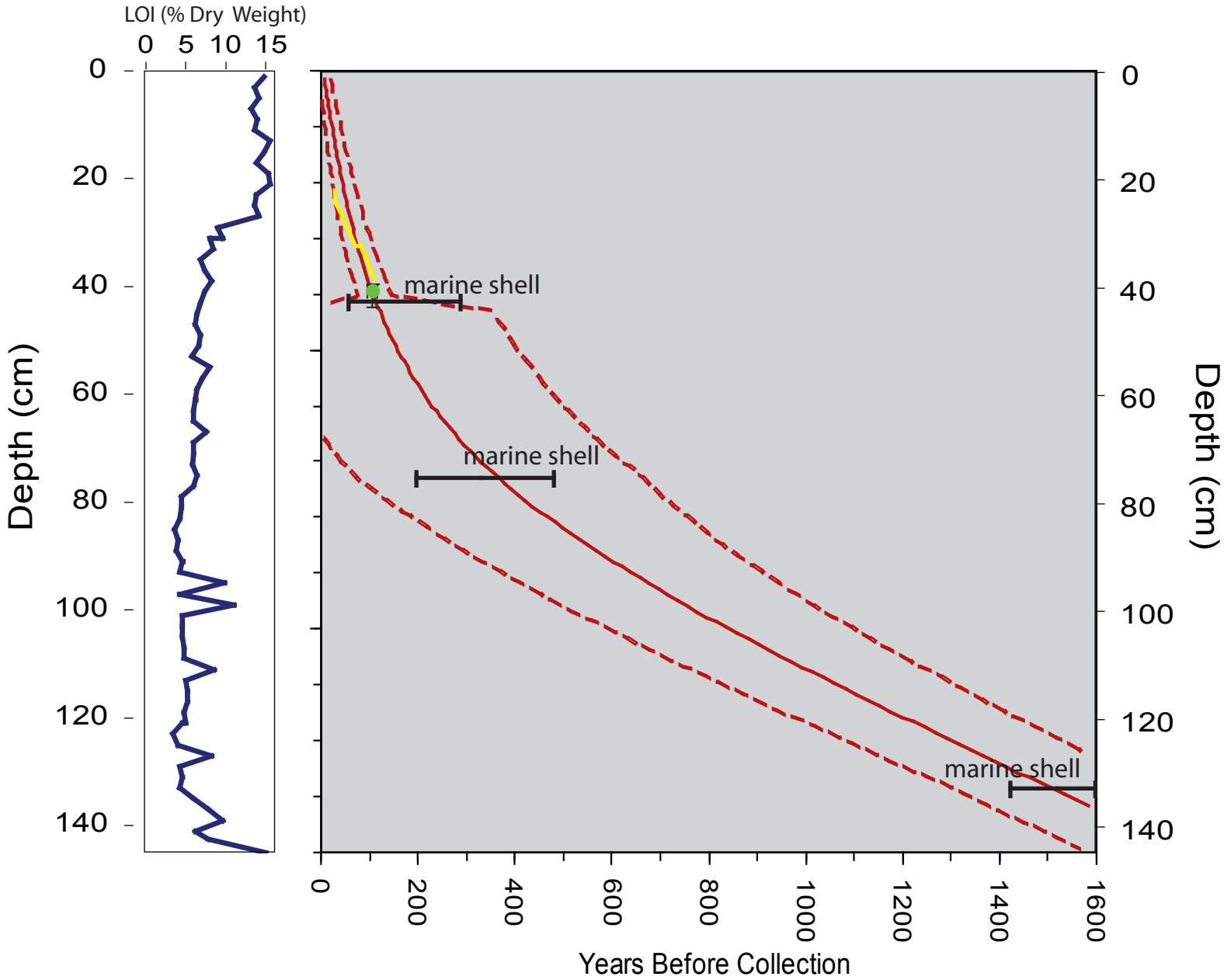

Figure 23. Age model developed for Rankin Basin core (GLW601 RL1). Lead-210 data in the upper 20 cm of the core are excluded from the age model, and the lead-210 curve is assumed to start normal decay at 1987 (see Figure 3E and text), preceeding seagrass die-off in the area. Location of core is shown in Figure 1 and described in Table 1. Data contributing to the model can be found in Table 2, Table 3, and the appendix. LOI, loss on ignition, indicates organic material in core.

Cores from the eastern portion of Florida Bay show more variable sedimentation rates. Pass Key has experienced rapid deposition in the 20th century, with rates ranging from 0.6 to 5.8 cm yr^{-1} (Holmes and others, 2001, tab. 2) (Figure 9). Porjoe Key and Park Key mudbank cores have average 20th century sedimentation rates of 0.5 and 0.8 cm yr^{-1} (Holmes and others, 2001, tab. 2) (Figure 7). Trout Creek core, in the northern transitional zone has a sedimentation rate of 0.4 cm yr^{-1} for the 20th century, lower than the rates in Little Madeira Bay that range from 0.5 to 0.9 cm yr^{-1} (Figure 4).

Summary of Results of Age Analyses for Biscayne Bay and Florida Bay

The synthesis of age data from Biscayne Bay and Florida Bay sediment cores and the development of the age models presented here provide a framework to interpret proxy records contained within the cores. In most cores, the start of 20th century deposition can be identified with a fair degree of accuracy. This time period is significant in the south Florida restoration efforts, because the most significant human alteration of the Everglades ecosystem occurred in the 20th century. It is more difficult to develop confident pre-20th century age models for cores collected in Biscayne and Florida Bays for several reasons. First, many of the radiocarbon dates are so young that the 2σ age ranges include the 20th century. For these samples that were deposited below the point at which ^{210}Pb reaches background levels, we can only say that the samples were deposited between 1900 and the older end of the 2σ range. However, this does provide the ability to contrast pre- and post-20th century assemblages, which is important for restoration questions. Second, the range of $\delta^{13}C$ values among dated shells raises questions on calibration of dates and reservoir effects. In light of such uncertainty, we have not constructed age models for all the cores; again, it still is possible to distinguish pre- and post-20th century sediments.

With these caveats, it is possible to draw several broad conclusions on sedimentation patterns in Florida and Biscayne Bays. In general, the models from the mid-bay mudbanks in Biscayne Bay and Florida Bay show more rapid average rates of sedimentation, fewer signs of disruption, and more internal consistency of sediments. The nearshore core age models indicate slower average rates of sedimentation, more disruption in the sedimentary sequences, and indications of more "old carbon" effects. Cores in close proximity to each other (for example Featherbed Banks and No Name Bank in Biscayne, and Russell Banks and Bob Allen mudbank in Florida Bay) generally show similar depositional patterns, lending support to the consistency of the age models.

Discussion and Future Directions

The temporal resolution necessary in interpreting questions of human impact, sea level rise and climate change in near-shore Holocene sediments can be limited by the constraints of radiometric dating. As mentioned above, statistical uncertainty increases in samples less than 1000 years old due to the decrease in ^{14}C activity and counting error (Stuiver, 1986). For estuarine carbonates, the question of which correction factor to apply is a significant issue. Nine estuarine mollusks from nearshore sites had $\delta^{13}C$ values ranging from -4.4 to -7.1 ‰ (Table 3), which is within the range for freshwater shells (Gupta and Polach, 1985); however, because they are known only from saline waters, we have applied the marine correction factor. In addition, problems exist with the dating of freshwater carbonates. Beta Analytical states in their explanation of "Calendar Calibration" that "reservoir corrections for fresh water carbonates are usually unknown" (*http://www.radiocarbon.com/calendar.htm*, last accessed 3/12/2007). Other researchers have

reported on the problems and constraints of using freshwater shells for ^{14}C dating (Culleton, 2006; Meadows, 2005; Mienis, 2005; Pilcher, 1991; and Zhou and others, 1999).

Contamination of a sample by older or younger carbon can be a factor in any environment (Lowe and Walker, 1997; Stuiver, 1986), but in south Florida contamination from the underlying Plio-Pleistocene limestone is of particular concern (Scholl and Stuiver, 1967). Groundwater moving through the porous limestones and surficial waters are dissolving the "old" carbonates and introducing "old" carbon into the modern environment for uptake by the living organisms. Concurrently, the same groundwater can be carrying "younger" radioisotopes, thus resetting the decay clock at the base of some of the cores (this process is seen in the ^{210}Pb diagrams for some of the cores in nearshore settings.) The introduction of old carbon from the bedrock introduces error that can artificially age the sample (Lowe and Walker, 1997; Stuiver, 1986). In addition, atmospheric input may not be a constant in all reservoirs as assumed (Reimer and others, 2002b; Stuiver, 1986). Stuiver and others (1998) discuss variations in marine reservoir age over time due to changes in ^{14}C production rates as a result of geomagnetic and solar-related fluctuations.

Reimer and others (2002a and 2002b) discuss the importance of establishing regional reservoir correction factors for calibration of marine ages. The potential sources of error discussed above for south Florida indicate the importance of establishing a reservoir correction specifically for the relatively enclosed basins of Florida Bay and Biscayne Bay. As Beta Analytical Laboratories cautions, "In the case of carbonates, reservoir correction is theoretical and the local variations are real, highly variable and dependent on provenance." (Beta Analytical, *http://www.radiocarbon.com/calendar.htm*, last accessed 3/19/2007).

The age models presented here represent the most accurate models we can produce with the data and methods we currently have available and they provide a framework within which we can interpret ecosystem history data from these cores. To improve these models would require a multi-tiered approach to address the questions of reservoir correction factors, biological fractionation, uptake of old carbon by living organisms, and the effects of groundwater migration in distribution of isotopes. Such an undertaking is outside the scope of our current study, but warrants further investigation by researchers in order to address societal needs in questions of Holocene environmental changes.

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APPENDIX 1

Lead-210 Data on Cores and Surficial Samples for Biscayne Bay and Florida Bay

APPENDIX 1: Lead-210 Data on Cores and Surficial Samples for Biscayne Bay and Florida Bay

Data are listed by general location (Biscayne Bay or Florida Bay), then by date collected, then by core number.

Biscayne Bay Cores

Core ID: SEI 1196 MB1
Core Location: Manatee Bay, Biscayne Bay, Florida
Lat/Long: N 25.26150° W 80.40100°
Date Collected: November 1996

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
		--	--	--	--	--	--	--	--	--	--	--
0-2	1.0	--	--	--	--	--	--	--	--	13.60	2.96	0.050
2-4	3.0	--	--	--	--	--	--	--	--	13.97	3.32	0.057
4-6	5.0	--	--	--	--	--	--	--	--	12.35	2.88	0.048
6-8	7.0	--	--	--	--	--	--	--	--	13.15	3.06	0.049
8-10	9.0	--	--	--	--	--	--	--	--	13.12	3.26	0.055
10-12	11.0	--	--	--	--	--	--	--	--	12.60	3.06	0.044
12-14	13.0	--	--	--	--	--	--	--	--	13.17	3.04	0.054
14-16	15.0	--	--	--	--	--	--	--	--	12.97	3.51	0.069
16-18	17.0	--	--	--	--	--	--	--	--	12.33	3.15	0.054
18-20	19.0	--	--	--	--	--	--	--	--	13.00	2.82	0.050
20-22	21.0	--	--	--	--	--	--	--	--	12.38	3.19	0.058
22-24	23.0	--	--	--	--	--	--	--	--	12.15	3.05	0.053
24-26	25.0	--	--	--	--	--	--	--	--	12.13	2.84	0.050
26-28	27.0	--	--	--	--	--	--	--	--	11.93	3.20	0.060
28-30	29.0	--	--	--	--	--	--	--	--	10.98	3.05	0.054
30-32	31.0	--	--	--	--	--	--	--	--	10.76	3.22	0.057
32-34	33.0	--	--	--	--	--	--	--	--	10.76	2.87	0.054
34-36	35.0	--	--	--	--	--	--	--	--	10.34	2.75	0.043

Core ID: SEI 297 CB1
Core Location: Card Bank, Biscayne Bay, Florida
Lat/Long: N 25.30617° W 80.34383°
Date Collected: February 1997

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.0	--	--	--	--	--	--	--	--	--	2.41	0.040
2-4	3.0	--	--	--	--	--	--	--	--	--	1.47	0.031
4-6	5.0	--	--	--	--	--	--	--	--	--	1.27	0.027
6-8	7.0	--	--	--	--	--	--	--	--	--	1.31	0.027
8-10	9.0	--	--	--	--	--	--	--	--	--	1.27	0.024
10-12	11.0	--	--	--	--	--	--	--	--	--	1.29	0.024
12-14	13.0	--	--	--	--	--	--	--	--	--	1.33	0.026

14-16A	15.0	--	--	--	--	--	--	--	--	--	1.17	0.022
14-16B	15.0	--	--	--	--	--	--	--	--	--	1.23	0.026
16-18	17.0	--	--	--	--	--	--	--	--	--	1.37	0.031
18-20	19.0	--	--	--	--	--	--	--	--	--	1.40	0.027
20-22	21.0	--	--	--	--	--	--	--	--	--	1.32	0.027
22-24	23.0	--	--	--	--	--	--	--	--	--	1.28	0.022
24-26	25.0	--	--	--	--	--	--	--	--	--	1.20	0.021
26-28	27.0	--	--	--	--	--	--	--	--	--	1.34	0.026

Core ID: SEI 297 FB1
Core Location: Featherbed Bank, Biscayne Bay, Florida
Lat/Long: N 25.52183° W 80.25650°
Date Collected: February 1997

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.0	--	--	--	--	--	--	--	--	8.78	3.33	0.053
2-4A	3.0	--	--	--	--	--	--	--	--	7.97	2.60	0.040
2-4A	3.0	--	--	--	--	--	--	--	--	8.09	2.58	0.043
4-6	5.0	--	--	--	--	--	--	--	--	7.98	2.36	0.040
6-8	7.0	--	--	--	--	--	--	--	--	7.56	1.83	0.028
8-10	9.0	--	--	--	--	--	--	--	--	7.10	1.71	0.032
10-12	11.0	--	--	--	--	--	--	--	--	7.11	1.91	0.030
12-14	13.0	--	--	--	--	--	--	--	--	6.95	1.85	0.029
14-16	15.0	--	--	--	--	--	--	--	--	6.98	1.77	0.028
16-18	17.0	--	--	--	--	--	--	--	--	6.99	1.59	0.028
18-20	19.0	--	--	--	--	--	--	--	--	7.25	1.45	0.034
20-22	21.0	--	--	--	--	--	--	--	--	7.07	1.19	0.023
22-24	23.0	--	--	--	--	--	--	--	--	6.80	1.14	0.023
24-26	25.0	--	--	--	--	--	--	--	--	6.81	1.03	0.018
26-28	27.0	--	--	--	--	--	--	--	--	6.72	0.97	0.018
28-30	29.0	--	--	--	--	--	--	--	--	6.89	1.02	0.019
30-32	31.0	--	--	--	--	--	--	--	--	6.62	1.02	0.019
32-34	33.0	--	--	--	--	--	--	--	--	6.37	0.86	0.018
34-36	35.0	--	--	--	--	--	--	--	--	5.94	0.77	0.022
36-38	37.0	--	--	--	--	--	--	--	--	6.19	0.75	0.019
38-40	39.0	--	--	--	--	--	--	--	--	6.15	0.73	0.025
40-42	41.0	--	--	--	--	--	--	--	--	6.53	0.76	0.017
42-44	43.0	--	--	--	--	--	--	--	--	6.32	0.79	0.017
44-46	45.0	--	--	--	--	--	--	--	--	6.76	0.74	0.020
46-48	47.0	--	--	--	--	--	--	--	--	6.48	0.95	0.013
48-50	49.0	--	--	--	--	--	--	--	--	7.13	0.93	0.016
50-52	51.0	--	--	--	--	--	--	--	--	6.20	0.88	0.019
52-54	53.0	--	--	--	--	--	--	--	--	6.27	0.87	0.014
54-56	55.0	--	--	--	--	--	--	--	--	6.18	0.87	0.014
56-58	57.0	--	--	--	--	--	--	--	--	6.00	0.93	0.015
58-60	59.0	--	--	--	--	--	--	--	--	6.23	0.86	0.014

60-62	61.0	--	--	--	--	--	--	--	--	6.30	0.68	0.010
62-64	63.0	--	--	--	--	--	--	--	--	6.21	0.64	0.016
64-66	65.0	--	--	--	--	--	--	--	--	9.02	0.55	0.009
66-68	67.0	--	--	--	--	--	--	--	--	6.26	0.54	0.009
68-70	69.0	--	--	--	--	--	--	--	--	9.52	0.47	0.008
70-72	71.0	--	--	--	--	--	--	--	--	6.31	0.56	0.013
72-74	73.0	--	--	--	--	--	--	--	--	6.35	0.71	0.012
74-76	75.0	--	--	--	--	--	--	--	--	6.19	0.63	0.012
76-78	77.0	--	--	--	--	--	--	--	--	5.75	0.61	0.012
78-80	79.0	--	--	--	--	--	--	--	--	5.63	0.60	0.011
80-82	81.0	--	--	--	--	--	--	--	--	5.41	0.57	0.013
82-84	83.0	--	--	--	--	--	--	--	--	5.22	0.56	0.013
84-86	85.0	--	--	--	--	--	--	--	--	5.00	0.54	0.010
86-88	87.0	--	--	--	--	--	--	--	--	5.44	0.55	0.009
88-90A	89.0	--	--	--	--	--	--	--	--	6.10	0.59	0.010
88-90B	89.0	--	--	--	--	--	--	--	--	6.18	0.60	0.009

Core ID: SEI 297 BP1
Core Location: Black Point, Biscayne Bay, Florida
Lat/Long: N 25.53500° W 80.31883°
Date Collected: February 1997

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
		--	--	--	--	--	--	--	--	--	--	--
0-2	1.0	--	--	--	--	--	--	--	--	22.11	5.06	0.082
2-4	3.0	--	--	--	--	--	--	--	--	20.52	5.00	0.072
4-6	5.0	--	--	--	--	--	--	--	--	18.69	5.25	0.075
6-8	7.0	--	--	--	--	--	--	--	--	16.80	4.92	0.082
8-10	9.0	--	--	--	--	--	--	--	--	15.84	4.56	0.072
10-12	11.0	--	--	--	--	--	--	--	--	17.10	4.84	0.068
12-14	13.0	--	--	--	--	--	--	--	--	17.12	4.42	0.064
14-16	15.0	--	--	--	--	--	--	--	--	17.16	4.56	0.045
16-18	17.0	--	--	--	--	--	--	--	--	14.12	3.96	0.040
18-20	19.0	--	--	--	--	--	--	--	--	17.56	5.14	0.052

Core ID: SEI 299 Rick1
Core Location: Rickenbacker, Biscayne Bay, Florida
Lat/Long: N 25.70775° W 80.17737°
Date Collected: February 26, 1999

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.0	--	--	--	--	--	--	--	--	8.53	4.13	0.065
2-4	3.0	--	--	--	--	--	--	--	--	9.80	3.28	0.043
4-6	5.0	--	--	--	--	--	--	--	--	7.80	3.21	0.046

6-8	7.0	--	--	--	--	--	--	--	--	9.00	2.92	0.043
8-10A	9.0	--	--	--	--	--	--	--	--	8.60	2.70	0.039
8-10B	9.0	--	--	--	--	--	--	--	--	8.40	2.74	0.046
8-10C	9.0	--	--	--	--	--	--	--	--	8.60	2.80	0.048
10-12	11.0	--	--	--	--	--	--	--	--	8.00	2.12	0.036
12-14	13.0	--	--	--	--	--	--	--	--	--	--	--
14-16	15.0	--	--	--	--	--	--	--	--	9.40	1.71	0.034
16-18	17.0	--	--	--	--	--	--	--	--	8.40	1.55	0.031
18-20	19.0	--	--	--	--	--	--	--	--	7.80	1.38	0.029
20-22	21.0	--	--	--	--	--	--	--	--	9.80	2.77	0.044
22-24	23.0	--	--	--	--	--	--	--	--	7.80	0.62	0.015
24-26	25.0	--	--	--	--	--	--	--	--	9.40	0.51	0.013
26-28	27.0	--	--	--	--	--	--	--	--	10.60	0.61	0.016
28-30	29.0	--	--	--	--	--	--	--	--	10.20	0.57	0.013
30-32	31.0	--	--	--	--	--	--	--	--	9.60	0.58	0.016
32-34	33.0	--	--	--	--	--	--	--	--	9.60	0.78	0.020
34-36	35.0	--	--	--	--	--	--	--	--	7.80	0.55	0.015
36-38	37.0	--	--	--	--	--	--	--	--	9.80	0.47	0.013
38-40A	39.0	--	--	--	--	--	--	--	--	10.00	0.38	0.012
38-40B	39.0	--	--	--	--	--	--	--	--	10.00	0.35	0.010
38-40C	39.0	--	--	--	--	--	--	--	--	10.00	0.33	0.010
40-42	41.0	--	--	--	--	--	--	--	--	11.00	0.37	0.008
42-44	43.0	--	--	--	--	--	--	--	--	12.00	0.35	0.008
44-46	45.0	--	--	--	--	--	--	--	--	10.00	0.28	0.008
46-48	47.0	--	--	--	--	--	--	--	--	12.70	0.37	0.009
48-50	49.0	--	--	--	--	--	--	--	--	12.60	0.30	0.007
50-52	51.0	--	--	--	--	--	--	--	--	13.92	0.39	0.009
52-54A	53.0	--	--	--	--	--	--	--	--	15.20	0.38	0.008
52-54B	53.0	--	--	--	--	--	--	--	--	15.57	0.34	0.007
52-54C	53.0	--	--	--	--	--	--	--	--	15.14	0.39	0.009
54-56	55.0	--	--	--	--	--	--	--	--	11.58	0.31	0.007
56-58	57.0	--	--	--	--	--	--	--	--	12.33	0.35	0.009
58-60	59.0	--	--	--	--	--	--	--	--	13.75	0.29	0.007
60-62	61.0	--	--	--	--	--	--	--	--	11.78	0.39	0.008
62-64	63.0	--	--	--	--	--	--	--	--	11.75	0.47	0.009
64-66	65.0	--	--	--	--	--	--	--	--	12.18	0.50	0.045
66-68	67.0	--	--	--	--	--	--	--	--	12.10	0.34	0.007
68-70	69.0	--	--	--	--	--	--	--	--	15.11	0.34	0.008
70-72	71.0	--	--	--	--	--	--	--	--	15.11	--	--
72-74	73.0	--	--	--	--	--	--	--	--	13.20	0.33	0.008
74-76	75.0	--	--	--	--	--	--	--	--	13.15	0.35	0.010
76-78	77.0	--	--	--	--	--	--	--	--	16.47	0.42	0.011
78-80	79.0	--	--	--	--	--	--	--	--	19.52	0.37	0.011
80-82	81.0	--	--	--	--	--	--	--	--	18.45	0.40	0.009
82-84A	83.0	--	--	--	--	--	--	--	--	17.31	0.40	0.010
82-84B	83.0	--	--	--	--	--	--	--	--	16.97	0.36	0.008
82-84C	83.0	--	--	--	--	--	--	--	--	16.80	0.34	0.009
84-86	85.0	--	--	--	--	--	--	--	--	16.17	0.39	0.009
86-88	87.0	--	--	--	--	--	--	--	--	15.45	0.34	0.009

88-90	89.0	--	--	--	--	--	--	--	--	12.33	0.34	0.010
90-92	91.0	--	--	--	--	--	--	--	--	--	--	--
92-94	93.0	--	--	--	--	--	--	--	--	13.32	0.35	0.009
94-96	95.0	--	--	--	--	--	--	--	--	14.54	0.37	0.010
96-98	97.0	--	--	--	--	--	--	--	--	16.90	0.36	0.009
98-100	99.0	--	--	--	--	--	--	--	--	14.44	0.34	0.010
100-102	101.0	--	--	--	--	--	--	--	--	16.60	0.40	0.008
102-104	103.0	--	--	--	--	--	--	--	--	12.35	0.45	0.009
104-106	105.0	--	--	--	--	--	--	--	--	12.67	0.46	0.009
106-108	107.0	--	--	--	--	--	--	--	--	12.87	0.48	0.008
108-110	109.0	--	--	--	--	--	--	--	--	13.49	0.54	0.009
110-112	111.0	--	--	--	--	--	--	--	--	12.38	0.52	0.009
112-114	113.0	--	--	--	--	--	--	--	--	11.88	0.39	0.007
114-116A	115.0	--	--	--	--	--	--	--	--	11.53	0.44	0.009
114-116B	115.0	--	--	--	--	--	--	--	--	11.35	0.44	0.009
114-116C	115.0	--	--	--	--	--	--	--	--	11.35	0.43	0.009
116-118	117.0	--	--	--	--	--	--	--	--	9.00	0.42	0.009
118-120	119.0	--	--	--	--	--	--	--	--	9.36	0.39	0.009
120-122	121.0	--	--	--	--	--	--	--	--	10.12	0.55	0.011
122-124	123.0	--	--	--	--	--	--	--	--	8.38	0.48	0.009
124-126	125.0	--	--	--	--	--	--	--	--	10.93	0.38	0.010
126-128	127.0	--	--	--	--	--	--	--	--	10.40	0.39	0.009
128-130	129.0	--	--	--	--	--	--	--	--	12.20	0.45	0.010
130-132	131.0	--	--	--	--	--	--	--	--	11.93	0.46	0.011
132-134	133.0	--	--	--	--	--	--	--	--	9.94	0.40	0.010
134-136	135.0	--	--	--	--	--	--	--	--	11.73	0.46	0.011

ND = Not detected
Tr = Trace quantity, too low to quantify

Core ID: GLW402 CBA
Core Location: Card Bank, Biscayne Bay, Florida
Lat/Long: N 25.32158° W 80.35603°
Date Collected: April 30, 2002

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.0	--	--	--	0.75	70.03	--	--	--	23.40	5.31	0.095
2-4	3.0	--	--	--	0.68	72.67	--	--	--	22.88	5.51	0.087
4-6	5.0	--	--	--	0.82	67.36	--	--	--	21.30	5.70	0.093
6-8	7.0	--	--	--	0.79	68.23	--	--	--	21.27	5.53	0.090
8-10	9.0	--	--	--	0.97	61.10	--	--	--	21.00	5.68	0.096
10-12	11.0	--	--	--	0.92	63.16	--	--	--	20.83	6.23	0.091
12-14	13.0	--	--	--	0.88	64.72	--	--	--	19.49	5.88	0.094
14-16	15.0	--	--	--	1.00	59.81	--	--	--	18.06	5.35	0.083
16-18	17.0	--	--	--	0.90	64.01	--	--	--	17.60	5.13	0.093
18-20	19.0	--	--	--	0.89	64.55	--	--	--	17.55	4.40	0.074

20-22	21.0	--	--	--	0.82	67.07	--	--	--	17.62	4.04	0.069
22-24	23.0	--	--	--	0.94	62.32	--	--	--	19.01	4.26	0.079
24-26	25.0	--	--	--	0.82	67.39	--	--	--	19.60	3.16	0.057
26-28	27.0	--	--	--	0.84	66.40	--	--	--	20.48	3.35	0.067
28-30	29.0	--	--	--	0.87	65.12	--	--	--	18.85	2.28	0.049
30-32	31.0	--	--	--	0.90	64.02	--	--	--	17.16	1.66	0.035
32-34	33.0	--	--	--	0.90	63.90	--	--	--	16.80	1.72	0.034
34-36	35.0	--	--	--	0.90	63.81	--	--	--	17.17	1.97	0.041
36-38	37.0	--	--	--	0.88	64.90	--	--	--	17.29	1.88	0.035
38-40	39.0	--	--	--	0.85	65.88	--	--	--	17.16	1.89	0.036
40-42A	41.0	--	--	--	0.81	67.78	--	--	--	18.40	1.68	0.033
40-42B	41.0	--	--	--	--	--	--	--	--	18.40	1.71	0.035
40-42C	41.0	--	--	--	--	--	--	--	--	18.28	1.58	0.036
42-44	43.0	--	--	--	0.80	67.84	--	--	--	20.36	1.78	0.039
44-46	45.0	--	--	--	0.79	68.37	--	--	--	19.57	1.77	0.037
46-48	47.0	--	--	--	0.88	64.89	--	--	--	17.75	1.52	0.032
48-50	49.0	--	--	--	0.88	64.75	--	--	--	16.80	1.54	0.032
50-52	51.0	--	--	--	0.91	63.71	--	--	--	16.57	1.38	0.034
52-54	53.0	--	--	--	0.92	63.23	--	--	--	17.96	1.40	0.039
54-56	55.0	--	--	--	0.97	61.26	--	--	--	15.38	1.38	0.033
56-58	57.0	--	--	--	0.99	60.34	--	--	--	14.80	1.32	0.029
58-60	59.0	--	--	--	0.99	60.53	--	--	--	13.58	1.36	0.026
60-62	61.0	--	--	--	1.00	60.14	--	--	--	11.83	1.25	0.024
62-64	63.0	--	--	--	0.98	60.76	--	--	--	12.90	1.25	0.025
64-66	65.0	--	--	--	0.98	60.72	--	--	--	11.80	1.27	0.031
66-68	67.0	--	--	--	1.08	56.90	--	--	--	12.43	1.36	0.025
68-70	69.0	--	--	--	1.10	56.18	--	--	--	11.66	1.20	0.023
70-72	71.0	--	--	--	1.12	55.39	--	--	--	10.67	1.23	0.025
72-74	73.0	--	--	--	1.11	55.65	--	--	--	9.60	1.20	0.025
74-76	75.0	--	--	--	1.09	56.37	--	--	--	11.20	1.27	0.025
76-78	77.0	--	--	--	1.12	55.16	--	--	--	11.60	1.30	0.024
78-80	79.0	--	--	--	1.12	55.12	--	--	--	11.00	1.39	0.027
80-82A	81.0	--	--	--	1.14	54.27	--	--	--	8.80	1.18	0.029
80-82B	81.0	--	--	--	--	--	--	--	--	9.00	1.31	0.035
80-82C	81.0	--	--	--	--	--	--	--	--	10.40	1.38	0.031
82-84	83.0	--	--	--	1.13	54.84	--	--	--	10.60	1.25	0.024
84-86	85.0	--	--	--	1.08	56.69	--	--	--	11.20	1.20	0.024
86-88	87.0	--	--	--	1.12	55.11	--	--	--	11.20	1.25	0.025
88-90	89.0	--	--	--	1.19	52.35	--	--	--	9.40	1.21	0.029
90-92	91.0	--	--	--	1.17	53.16	--	--	--	10.20	1.35	0.023
92-94	93.0	--	--	--	1.20	52.00	--	--	--	10.40	1.34	0.024
94-96	95.0	--	--	--	1.22	51.29	--	--	--	10.40	1.39	0.024
96-98	97.0	--	--	--	1.22	51.08	--	--	--	9.00	1.44	0.032
98-100	99.0	--	--	--	1.25	50.19	--	--	--	10.00	1.30	0.022
100-102	101.0	--	--	--	1.19	52.26	--	--	--	10.00	1.37	0.027
102-104	103.0	--	--	--	1.17	53.29	--	--	--	10.00	1.32	0.023
104-106	105.0	--	--	--	1.13	54.83	--	--	--	8.80	1.37	0.031
106-108	107.0	--	--	--	1.13	54.86	--	--	--	8.40	1.36	0.029
108-110	109.0	--	--	--	1.14	54.35	--	--	--	9.00	1.31	0.029

110-112	111.0	--	--	--	1.21	51.67	--	--	--	8.20	1.39	0.026
112-114	113.0	--	--	--	1.23	50.63	--	--	--	8.60	1.44	0.030
114-116	115.0	--	--	--	1.24	50.53	--	--	--	7.80	1.27	0.027
116-118	117.0	--	--	--	1.31	47.43	--	--	--	9.20	1.39	0.030
118-120	119.0	--	--	--	1.33	46.95	--	--	--	8.80	1.38	0.025
120-122A	121.0	--	--	--	1.28	48.72	--	--	--	9.00	1.33	0.029
120-122B	121.0	--	--	--	--	--	--	--	--	8.80	1.39	0.032
120-122C	121.0	--	--	--	--	--	--	--	--	8.80	1.36	0.029
122-124	123.0	--	--	--	1.30	48.16	--	--	--	7.80	1.28	0.024
124-126	125.0	--	--	--	1.31	47.68	--	--	--	8.40	1.30	0.027
126-128	127.0	--	--	--	1.25	50.09	--	--	--	8.60	1.28	0.024
128-130	129.0	--	--	--	1.25	50.08	--	--	--	9.00	1.26	0.029
130-132	131.0	--	--	--	1.26	49.80	--	--	--	9.80	1.32	0.025
132-134	133.0	--	--	--	1.26	49.78	--	--	--	9.40	1.21	0.021
134-136	135.0	--	--	--	1.30	48.04	--	--	--	9.20	1.20	0.022
136-138	137.0	--	--	--	1.33	46.86	--	--	--	8.60	1.41	0.034
138-140	139.0	--	--	--	1.33	46.72	--	--	--	9.20	1.28	0.023
140-142	141.0	--	--	--	1.34	46.48	--	--	--	9.60	1.35	0.026
142-144	143.0	--	--	--	1.35	46.11	--	--	--	8.60	1.35	0.026
144-146	145.0	--	--	--	1.38	44.90	--	--	--	9.00	1.60	0.038
146-148	147.0	--	--	--	1.45	41.90	--	--	--	8.60	1.38	0.026
148-149	148.5	--	--	--	1.52	39.33	--	--	--	8.20	1.50	0.033

*Data is for <0.062mm size fraction only.

Core ID: GLW402 FBA
Core Location: Featherbed Bank, Biscayne Bay, Florida
Lat/Long: N 25.53083° 31.850' W 80.25958°
Date Collected: April 30, 2002

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.0	--	--	--	1.05	58.17	--	--	--	10.40	3.46	0.053
2-4	3.0	--	--	--	1.13	54.72	--	--	--	10.20	3.34	0.056
4-6	5.0	--	--	--	1.07	57.33	--	--	--	10.00	3.36	0.057
6-8	7.0	--	--	--	1.03	58.86	--	--	--	11.20	3.41	0.055
8-10	9.0	--	--	--	1.18	52.83	--	--	--	10.20	2.97	0.045
10-12	11.0	--	--	--	1.00	59.85	--	--	--	10.20	2.67	0.042
12-14	13.0	--	--	--	1.17	53.23	--	--	--	10.60	2.70	0.046
14-16	15.0	--	--	--	1.06	57.76	--	--	--	10.40	2.25	0.040
16-18	17.0	--	--	--	1.04	58.39	--	--	--	10.60	2.32	0.042
18-20	19.0	--	--	--	1.17	53.32	--	--	--	9.60	2.10	0.036
20-22	21.0	--	--	--	1.30	48.01	--	--	--	8.40	1.93	0.031
22-24	23.0	--	--	--	1.47	41.07	--	--	--	8.40	1.90	0.035
24-26	25.0	--	--	--	1.21	51.72	--	--	--	7.20	1.81	0.032
26-28	27.0	--	--	--	1.11	55.63	--	--	--	8.20	1.45	0.031
28-30	29.0	--	--	--	1.03	58.71	--	--	--	7.80	1.66	0.032

30-32	31.0	--	--	--	1.05	57.97	--	--	--	8.60	1.43	0.028
32-34A	33.0	--	--	--	1.11	55.61	--	--	--	8.00	1.45	0.026
32-34B	33.0	--	--	--	--	--	--	--	--	7.80	1.42	0.025
32-34C	33.0	--	--	--	--	--	--	--	--	7.60	1.36	0.026
34-36	35.0	--	--	--	1.22	51.28	--	--	--	7.60	1.48	0.030
36-38	37.0	--	--	--	1.30	47.98	--	--	--	7.60	1.27	0.024
38-40	39.0	--	--	--	1.20	51.90	--	--	--	7.00	1.08	0.022
40-42	41.0	--	--	--	1.18	52.90	--	--	--	6.80	1.05	0.023
42-44	43.0	--	--	--	1.18	52.77	--	--	--	7.20	1.09	0.022
44-46	45.0	--	--	--	1.20	52.19	--	--	--	6.80	1.07	0.021
46-48	47.0	--	--	--	1.17	53.14	--	--	--	6.40	0.96	0.022
48-50	49.0	--	--	--	1.23	50.77	--	--	--	6.40	1.03	0.024
50-52	51.0	--	--	--	1.24	50.55	--	--	--	6.80	0.97	0.025
52-54	53.0	--	--	--	1.19	52.41	--	--	--	7.00	0.87	0.019
54-56	55.0	--	--	--	1.29	48.54	--	--	--	--	--	--
56-58	57.0	--	--	--	1.21	51.44	--	--	--	7.60	0.92	0.020
58-60	59.0	--	--	--	1.20	52.08	--	--	--	7.60	0.94	0.021
60-62	61.0	--	--	--	1.20	52.06	--	--	--	7.60	0.85	0.020
62-64A	63.0	--	--	--	1.24	50.26	--	--	--	7.60	0.82	0.019
62-64B	63.0	--	--	--	--	--	--	--	--	7.80	0.95	0.022
62-64C	63.0	--	--	--	--	--	--	--	--	7.80	0.96	0.023
64-66	65.0	--	--	--	1.31	47.55	--	--	--	7.40	0.92	0.024
66-68	67.0	--	--	--	1.33	46.75	--	--	--	7.40	0.87	0.020
68-70	69.0	--	--	--	1.31	47.41	--	--	--	7.20	0.86	0.021
70-72	71.0	--	--	--	1.24	50.51	--	--	--	6.20	0.92	0.021
72-74	73.0	--	--	--	1.21	51.67	--	--	--	7.20	0.80	0.020
74-76	75.0	--	--	--	1.23	50.91	--	--	--	7.20	0.77	0.025
76-78	77.0	--	--	--	1.28	48.90	--	--	--	7.20	0.86	0.024
78-80	79.0	--	--	--	1.32	47.20	--	--	--	7.00	0.84	0.023
80-82	81.0	--	--	--	1.32	47.14	--	--	--	6.40	0.85	0.024
82-84	83.0	--	--	--	1.35	46.00	--	--	--	6.40	0.75	0.019
84-86	85.0	--	--	--	1.34	46.24	--	--	--	5.80	0.81	0.021
86-88	87.0	--	--	--	1.43	42.80	--	--	--	6.20	0.76	0.018
88-90	89.0	--	--	--	1.38	44.79	--	--	--	6.20	0.67	0.018
90-92	91.0	--	--	--	1.45	42.11	--	--	--	6.00	0.74	0.020
92-94A	93.0	--	--	--	1.48	40.99	--	--	--	5.60	0.71	0.024
92-94B	93.0	--	--	--	--	--	--	--	--	6.00	0.71	0.019
92-94C	93.0	--	--	--	--	--	--	--	--	5.60	0.77	0.021
94-96	95.0	--	--	--	1.48	40.89	--	--	--	5.80	0.74	0.022
96-98	97.0	--	--	--	1.42	43.36	--	--	--	5.80	0.62	0.022
98-100	99.0	--	--	--	1.45	42.05	--	--	--	6.80	0.75	0.020
100-102	101.0	--	--	--	1.44	42.59	--	--	--	6.80	0.70	0.017
102-104	103.0	--	--	--	1.48	40.99	--	--	--	7.00	0.65	0.015
104-106	105.0	--	--	--	1.43	42.86	--	--	--	7.00	0.74	0.019
106-108	107.0	--	--	--	1.43	42.68	--	--	--	7.40	0.67	0.015
108-110	109.0	--	--	--	1.34	46.31	--	--	--	7.00	0.64	0.014
110-112	111.0	--	--	--	1.43	42.70	--	--	--	7.60	0.71	0.015
112-114	113.0	--	--	--	1.43	42.81	--	--	--	7.40	0.72	0.015
114-116	115.0	--	--	--	1.35	46.06	--	--	--	8.00	0.68	0.017

116-118	117.0	--	--	--	1.26	49.57	--	--	--	8.00	0.70	0.016
118-120	119.0	--	--	--	1.31	47.54	--	--	--	7.00	0.63	0.017
120-122A	121.0	--	--	--	1.36	45.77	--	--	--	8.40	0.88	0.021
120-122B	121.0	--	--	--	--	--	--	--	--	7.20	0.75	0.017
120-122C	121.0	--	--	--	--	--	--	--	--	7.00	0.70	0.019
122-124	123.0	--	--	--	1.35	46.02	--	--	--	7.80	0.76	0.020
124-126	125.0	--	--	--	1.39	44.45	--	--	--	6.00	0.71	0.016
126-128	127.0	--	--	--	1.40	44.13	--	--	--	7.40	0.62	0.020
128-130	129.0	--	--	--	1.38	44.78	--	--	--	7.00	0.81	0.024
130-132	131.0	--	--	--	1.40	44.05	--	--	--	7.40	0.61	0.020
132-134	133.0	--	--	--	1.37	45.06	--	--	--	7.40	0.69	0.020
134-136	135.0	--	--	--	1.45	41.86	--	--	--	6.80	0.64	0.018
136-138	137.0	--	--	--	1.47	41.12	--	--	--	6.40	0.69	0.018
138-140	139.0	--	--	--	1.41	43.75	--	--	--	6.20	0.69	0.018
140-142	141.0	--	--	--	1.47	41.19	--	--	--	6.60	0.75	0.020
142-144	143.0	--	--	--	1.53	38.80	--	--	--	6.40	0.68	0.019
144-146	145.0	--	--	--	1.59	36.29	--	--	--	6.00	0.71	0.021
146-148	147.0	--	--	--	1.57	37.28	--	--	--	6.20	0.69	0.022
148-150	149.0	--	--	--	1.55	37.94	--	--	--	6.20	0.65	0.021
150-152A	151.0	--	--	--	1.57	37.30	--	--	--	5.60	0.69	0.022
150-152B	151.0	--	--	--	--	--	--	--	--	5.80	0.63	0.020
150-152C	151.0	--	--	--	--	--	--	--	--	5.80	0.67	0.020
152-154	153.0	--	--	--	1.65	34.16	--	--	--	6.20	0.60	0.019
154-156	155.0	--	--	--	1.52	39.29	--	--	--	6.20	0.71	0.023
156-158	157.0	--	--	--	1.55	38.12	--	--	--	6.40	0.73	0.023
158-160	159.0	--	--	--	1.50	40.05	--	--	--	6.40	0.67	0.020
160-162	161.0	--	--	--	1.57	37.31	--	--	--	5.40	0.73	0.022
162-164	163.0	--	--	--	1.56	37.46	--	--	--	5.20	0.66	0.019
164-166	165.0	--	--	--	1.55	38.16	--	--	--	4.80	0.62	0.017
166-168	167.0	--	--	--	1.52	39.11	--	--	--	4.60	0.69	0.022
168-170	169.0	--	--	--	1.60	36.10	--	--	--	5.80	0.67	0.020
170-172	171.0	--	--	--	1.57	37.19	--	--	--	5.60	0.58	0.020
172-174	173.0	--	--	--	1.60	36.18	--	--	--	4.80	0.74	0.025
174-176	175.0	--	--	--	1.56	37.62	--	--	--	5.00	0.61	0.021
176-178	177.0	--	--	--	1.62	35.13	--	--	--	5.60	0.63	0.021
178-180	179.0	--	--	--	1.56	37.58	--	--	--	5.60	0.63	0.018
180-182A	181.0	--	--	--	1.59	36.56	--	--	--	5.20	0.66	0.020
180-182B	181.0	--	--	--	--	--	--	--	--	5.20	0.64	0.015
180-182C	181.0	--	--	--	--	--	--	--	--	5.60	0.59	0.013
182-184	183.0	--	--	--	1.64	34.44	--	--	--	5.20	0.60	0.014
184-186	185.0	--	--	--	1.77	29.20	--	--	--	4.60	0.60	0.014
186-188	187.0	--	--	--	1.77	29.01	--	--	--	4.60	0.63	0.014

*Data is for <0.062mm size fraction only.

Core ID: GLW402 NNA
Core Location: No Name Bank, Biscayne Bay, Florida
Lat/Long: N 25.57473° W 80.27200°

Date Collected: April 30, 2002

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.0	--	--	--	0.90	64.14	--	--	--	12.80	5.78	0.090
2-4	3.0	--	--	--	0.94	62.38	--	--	--	11.20	5.96	0.096
4-6	5.0	--	--	--	1.07	57.35	--	--	--	12.00	5.46	0.066
6-8	7.0	--	--	--	1.05	57.90	--	--	--	12.80	5.38	0.063
8-10	9.0	--	--	--	1.06	57.71	--	--	--	12.60	5.10	0.067
10-12	11.0	--	--	--	1.01	59.62	--	--	--	12.80	4.72	0.057
12-14	13.0	--	--	--	0.93	62.61	--	--	--	12.80	4.16	0.057
14-16	15.0	--	--	--	0.92	63.18	--	--	--	12.40	3.98	0.054
16-18	17.0	--	--	--	1.02	59.22	--	--	--	11.20	3.79	0.050
18-20	19.0	--	--	--	1.27	49.14	--	--	--	7.80	2.77	0.040
20-22	21.0	--	--	--	1.27	49.02	--	--	--	6.80	2.17	0.031
22-24	23.0	--	--	--	1.28	48.75	--	--	--	6.60	2.21	0.043
24-26	25.0	--	--	--	1.32	47.36	--	--	--	5.20	1.96	0.029
26-28	27.0	--	--	--	1.26	49.54	--	--	--	5.00	1.97	0.029
28-30	29.0	--	--	--	1.31	47.47	--	--	--	4.60	2.11	0.033
30-32A	31.0	--	--	--	1.30	48.15	--	--	--	5.80	2.07	0.035
30-32B	31.0	--	--	--	--	--	--	--	--	5.40	1.89	0.036
30-32C	31.0	--	--	--	--	--	--	--	--	5.00	1.79	0.032
32-34	33.0	--	--	--	1.32	47.31	--	--	--	4.80	1.60	0.028
34-36	35.0	--	--	--	1.23	50.72	--	--	--	5.80	1.96	0.039
36-38	37.0	--	--	--	1.36	45.61	--	--	--	5.20	1.77	0.030
38-40	39.0	--	--	--	1.33	46.86	--	--	--	5.00	1.82	0.038
40-42	41.0	--	--	--	1.39	44.49	--	--	--	5.20	1.83	0.035
42-44	43.0	--	--	--	1.34	46.30	--	--	--	6.00	1.41	0.021
44-46	45.0	--	--	--	1.35	45.82	--	--	--	5.40	1.79	0.027
46-48	47.0	--	--	--	1.42	43.18	--	--	--	5.20	1.54	0.023
48-50	49.0	--	--	--	1.45	41.88	--	--	--	5.20	1.54	0.021
50-52	51.0	--	--	--	1.43	42.96	--	--	--	5.40	1.79	0.026
52-54	53.0	--	--	--	1.39	44.20	--	--	--	5.80	1.84	0.026
54-56	55.0	--	--	--	1.34	46.39	--	--	--	5.60	1.71	0.025
56-58	57.0	--	--	--	1.42	43.15	--	--	--	5.40	1.63	0.027
58-60	59.0	--	--	--	1.40	43.84	--	--	--	5.60	1.60	0.023
60-62A	61.0	--	--	--	1.38	44.73	--	--	--	5.80	1.62	0.023
60-62B	61.0	--	--	--	--	--	--	--	--	6.40	1.64	0.024
60-62C	61.0	--	--	--	--	--	--	--	--	6.00	1.59	0.025
62-64	63.0	--	--	--	1.37	45.16	--	--	--	6.40	1.57	0.029
64-66	65.0	--	--	--	1.40	44.15	--	--	--	5.40	1.56	0.021
66-68	67.0	--	--	--	1.45	41.99	--	--	--	5.40	1.53	0.021
68-70	69.0	--	--	--	1.44	42.41	--	--	--	5.00	1.48	0.022
70-72	71.0	--	--	--	1.39	44.26	--	--	--	5.00	1.38	0.023
72-74	73.0	--	--	--	1.39	44.53	--	--	--	4.40	1.43	0.022
74-76	75.0	--	--	--	1.34	46.33	--	--	--	4.60	1.34	0.022
76-78	77.0	--	--	--	1.40	44.19	--	--	--	5.20	1.56	0.022
78-80	79.0	--	--	--	1.46	41.49	--	--	--	5.40	1.58	0.024

80-82	81.0	--	--	--	1.45	41.94	--	--	--	5.20	1.62	0.025
82-84	83.0	--	--	--	1.43	42.72	--	--	--	4.80	1.37	0.026
84-86	85.0	--	--	--	1.54	38.52	--	--	--	5.40	1.40	0.024
86-88	87.0	--	--	--	1.45	41.88	--	--	--	4.80	1.28	0.027
88-90	89.0	--	--	--	1.48	40.69	--	--	--	4.80	1.26	0.021
90-92	91.0	--	--	--	1.46	41.79	--	--	--	5.00	1.22	0.020
92-94	93.0	--	--	--	1.41	43.55	--	--	--	5.40	1.27	0.022
94-96	95.0	--	--	--	1.48	40.71	--	--	--	5.60	1.19	0.022
96-98	97.0	--	--	--	1.52	39.21	--	--	--	5.40	1.13	0.021
98-100	99.0	--	--	--	1.52	39.37	--	--	--	5.20	1.18	0.020
100-102A	101.0	--	--	--	1.48	40.97	--	--	--	5.80	1.14	0.019
100-102B	101.0	--	--	--	--	--	--	--	--	5.40	1.12	0.020
100-102C	101.0	--	--	--	--	--	--	--	--	5.60	1.22	0.022
102-104	103.0	--	--	--	1.53	38.70	--	--	--	5.60	1.11	0.023
104-106	105.0	--	--	--	1.52	39.04	--	--	--	5.60	1.19	0.023
106-108	107.0	--	--	--	1.53	38.93	--	--	--	5.60	1.21	0.024
108-110	109.0	--	--	--	1.71	31.75	--	--	--	6.00	1.15	0.019
110-112	111.0	--	--	--	1.51	39.69	--	--	--	5.60	1.09	0.021
112-114	113.0	--	--	--	1.47	41.14	--	--	--	5.60	1.11	0.020
114-116	115.0	--	--	--	1.57	37.30	--	--	--	5.60	1.09	0.021
116-118	117.0	--	--	--	1.57	37.24	--	--	--	4.20	1.07	0.020
118-120	119.0	--	--	--	1.59	36.38	--	--	--	4.60	1.13	0.023
120-122	121.0	--	--	--	1.57	37.06	--	--	--	4.60	1.05	0.018
122-124	123.0	--	--	--	1.57	37.02	--	--	--	9.00	1.02	0.019
124-126	125.0	--	--	--	1.57	37.06	--	--	--	5.20	1.09	0.021
126-128	127.0	--	--	--	1.67	33.15	--	--	--	4.60	1.03	0.026
128-130	129.0	--	--	--	1.73	30.84	--	--	--	4.00	0.87	0.020
130-132A	131.0	--	--	--	1.75	30.17	--	--	--	4.20	0.98	0.026
130-132B	131.0	--	--	--	--	--	--	--	--	4.80	1.00	0.021
130-132C	131.0	--	--	--	--	--	--	--	--	4.60	0.98	0.022
132-134	133.0	--	--	--	1.72	31.10	--	--	--	6.20	1.32	0.031
134-136	135.0	--	--	--	1.77	29.02	--	--	--	4.60	1.02	0.024
136-138	137.0	--	--	--	1.78	28.79	--	--	--	4.80	1.03	0.024
138-140	139.0	--	--	--	1.80	28.07	--	--	--	4.80	0.99	0.023
140-142	141.0	--	--	--	1.79	28.30	--	--	--	4.60	1.04	0.021
142-143	142.5	--	--	--	1.85	26.20	--	--	--	4.60	1.10	0.026

*Data is for <0.062mm size fraction only.

Core ID: GLBW603 BPNA
Core Location: North of Black Point, Biscayne Bay, Florida
Lat/Long: N 25.54635° W 80.31192°
Date Collected: June 19, 2003

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.0	--	--	--	--	--	--	--	--	25.00	12.89	0.652

2-4	3.0	--	--	--	--	--	--	--	--	24.77	17.21	0.384
4-6	5.0	--	--	--	--	--	--	--	--	20.19	15.38	0.589
6-8	7.0	--	--	--	--	--	--	--	--	20.83	13.55	0.335
8-10	9.0	--	--	--	--	--	--	--	--	22.06	14.28	0.346
10-12	11.0	--	--	--	--	--	--	--	--	21.15	10.04	0.261
12-14	13.0	--	--	--	--	--	--	--	--	19.58	7.45	0.231
14-16	15.0	--	--	--	--	--	--	--	--	20.00	9.71	0.225
16-18	17.0	--	--	--	--	--	--	--	--	12.68	10.72	0.258
18-20	19.0	--	--	--	--	--	--	--	--	9.40	8.35	0.236
20-22	21.0	--	--	--	--	--	--	--	--	5.36	5.59	0.165
22-24	23.0	--	--	--	--	--	--	--	--	7.50	5.42	0.136
24-26	25.0	--	--	--	--	--	--	--	--	11.59	5.38	0.142
26-28	27.0	--	--	--	--	--	--	--	--	9.49	5.24	0.159
28-30	29.0	--	--	--	--	--	--	--	--	9.14	4.26	0.119
30-32	31.0	--	--	--	--	--	--	--	--	8.18	3.74	0.160
32-34	33.0	--	--	--	--	--	--	--	--	12.94	2.83	0.093
34-36	35.0	--	--	--	--	--	--	--	--	14.29	3.63	0.092
36-38	37.0	--	--	--	--	--	--	--	--	12.95	3.47	0.099
38-40	39.0	--	--	--	--	--	--	--	--	10.88	3.15	0.089
40-42	41.0	--	--	--	--	--	--	--	--	14.88	3.12	0.099
42-44	43.0	--	--	--	--	--	--	--	--	15.32	3.75	0.105
44-46	45.0	--	--	--	--	--	--	--	--	13.88	3.32	0.109
46-48	47.0	--	--	--	--	--	--	--	--	12.56	3.18	0.117
48-50	49.0	--	--	--	--	--	--	--	--	15.78	3.39	0.099
50-52	51.0	--	--	--	--	--	--	--	--	15.24	3.37	0.092
52-54	53.0	--	--	--	--	--	--	--	--	14.24	3.38	0.095
54-56	55.0	--	--	--	--	--	--	--	--	13.11	3.04	0.089
56-58	57.0	--	--	--	--	--	--	--	--	15.42	3.12	0.083
58-60	59.0	--	--	--	--	--	--	--	--	15.51	3.21	0.083
60-62	61.0	--	--	--	--	--	--	--	--	5.58	3.25	0.108
62-64	63.0	--	--	--	--	--	--	--	--	4.41	3.03	0.094
64-66A	65.0	--	--	--	--	--	--	--	--	4.00	3.10	0.117
64-66B	65.0	--	--	--	--	--	--	--	--	5.00	3.56	0.128
64-66C	65.0	--	--	--	--	--	--	--	--	6.00	3.47	0.130
66-68	67.0	--	--	--	--	--	--	--	--	4.71	3.17	0.107
68-70	69.0	--	--	--	--	--	--	--	--	5.60	2.40	0.075
70-72	71.0	--	--	--	--	--	--	--	--	5.07	3.10	0.097
72-74	73.0	--	--	--	--	--	--	--	--	11.93	3.16	0.085
74-76	75.0	--	--	--	--	--	--	--	--	12.80	2.98	0.078
76-78	77.0	--	--	--	--	--	--	--	--	7.60	2.74	0.063
78-80	79.0	--	--	--	--	--	--	--	--	4.80	2.81	0.069
80-82	81.0	--	--	--	--	--	--	--	--	4.60	2.08	0.050
82-84	83.0	--	--	--	--	--	--	--	--	4.00	1.97	0.049
84-86	85.0	--	--	--	--	--	--	--	--	11.80	2.92	0.074
86-86.5	86.25	--	--	--	--	--	--	--	--	11.49	3.36	0.119

*Data is for <0.062mm size fraction only.

Core ID: GLBW603 CKA
Core Location: Chicken Key, Biscayne Bay, Florida
Lat/Long: N 25.62023° W 80.28840°
Date Collected: June 19, 2003

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.0	--	--	--	--	--	--	--	--	32.79	6.95	0.248
2-4	3.0	--	--	--	--	--	--	--	--	26.97	6.65	0.198
4-6	5.0	--	--	--	--	--	--	--	--	23.91	6.49	0.214
6-8	7.0	--	--	--	--	--	--	--	--	23.15	6.61	0.210
8-10	9.0	--	--	--	--	--	--	--	--	19.44	6.35	0.198
10-12	11.0	--	--	--	--	--	--	--	--	17.46	6.25	0.196
12-14	13.0	--	--	--	--	--	--	--	--	20.59	6.82	0.201
14-16	15.0	--	--	--	--	--	--	--	--	20.00	6.20	0.174
16-18	17.0	--	--	--	--	--	--	--	--	18.27	5.48	0.133
18-20	19.0	--	--	--	--	--	--	--	--	15.80	5.35	0.117
20-22	21.0	--	--	--	--	--	--	--	--	14.40	4.95	0.121
22-24	23.0	--	--	--	--	--	--	--	--	14.20	5.20	0.132
24-26	25.0	--	--	--	--	--	--	--	--	14.60	4.86	0.106
26-28	27.0	--	--	--	--	--	--	--	--	13.40	4.68	0.109
28-30A	29.0	--	--	--	--	--	--	--	--	12.50	4.71	0.137
28-30B	29.0	--	--	--	--	--	--	--	--	13.50	4.71	0.114
28-30C	29.0	--	--	--	--	--	--	--	--	14.00	4.66	0.111
30-32	31.0	--	--	--	--	--	--	--	--	14.20	4.58	0.098
32-34	33.0	--	--	--	--	--	--	--	--	15.20	4.00	0.088
34-36	35.0	--	--	--	--	--	--	--	--	16.40	3.72	0.095
36-38	37.0	--	--	--	--	--	--	--	--	17.91	2.83	0.080
38-40	39.0	--	--	--	--	--	--	--	--	20.31	2.39	0.061
40-42	41.0	--	--	--	--	--	--	--	--	19.58	1.83	0.053
42-44	43.0	--	--	--	--	--	--	--	--	20.72	2.26	0.067
44-46	45.0	--	--	--	--	--	--	--	--	20.40	2.64	0.069
46-48	47.0	--	--	--	--	--	--	--	--	21.80	2.11	0.056
48-50	49.0	--	--	--	--	--	--	--	--	22.40	2.21	0.060
50-52	51.0	--	--	--	--	--	--	--	--	24.02	2.19	0.059
52-54	53.0	--	--	--	--	--	--	--	--	19.18	2.42	0.082
54-56	55.0	--	--	--	--	--	--	--	--	20.51	2.20	0.071
56-58	57.0	--	--	--	--	--	--	--	--	19.73	2.18	0.071
58-60	59.0	--	--	--	--	--	--	--	--	26.11	2.39	0.066
60-62	61.0	--	--	--	--	--	--	--	--	23.71	2.36	0.071
62-64A	63.0	--	--	--	--	--	--	--	--	23.00	2.14	0.095
62-64B	63.0	--	--	--	--	--	--	--	--	24.00	2.54	0.103
62-64C	63.0	--	--	--	--	--	--	--	--	27.00	2.70	0.100
64-66	65.0	--	--	--	--	--	--	--	--	26.22	2.82	0.069
66-68	67.0	--	--	--	--	--	--	--	--	25.60	3.31	0.082
68-70	69.0	--	--	--	--	--	--	--	--	31.75	3.20	0.088
70-72	71.0	--	--	--	--	--	--	--	--	34.39	2.76	0.083
72-74	73.0	--	--	--	--	--	--	--	--	32.00	2.71	0.068

74-76	75.0	--	--	--	--	--	--	--	--	35.22	2.62	0.059
76-77.5	76.75	--	--	--	--	--	--	--	--	33.77	2.58	0.062

*Data is for <0.062mm size fraction only.

Core ID: GLBW603 MKA
Core Location: Middle Key basin, Biscayne Bay, Florida
Lat/Long: N 25.28675° W 80.40283°
Date Collected: June 20, 2003

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.0	--	--	--	--	--	--	--	--	8.49	3.65	0.085
2-4	3.0	--	--	--	--	--	--	--	--	8.00	2.81	0.066
4-6	5.0	--	--	--	--	--	--	--	--	7.74	2.38	0.058
6-8	7.0	--	--	--	--	--	--	--	--	7.74	2.43	0.049
8-10	9.0	--	--	--	--	--	--	--	--	7.60	2.09	0.044
10-12	11.0	--	--	--	--	--	--	--	--	7.80	1.89	0.048
12-14	13.0	--	--	--	--	--	--	--	--	7.80	1.47	0.034
14-16	15.0	--	--	--	--	--	--	--	--	6.40	0.93	0.031
16-18	17.0	--	--	--	--	--	--	--	--	6.32	0.67	0.026
18-20	19.0	--	--	--	--	--	--	--	--	7.43	0.77	0.029
20-22	21.0	--	--	--	--	--	--	--	--	5.80	0.56	0.024
22-24	23.0	--	--	--	--	--	--	--	--	5.00	0.40	0.016
24-26	25.0	--	--	--	--	--	--	--	--	4.80	0.47	0.018
26-28A	27.0	--	--	--	--	--	--	--	--	3.79	0.39	0.018
26-28B	27.0	--	--	--	--	--	--	--	--	4.27	0.36	0.016
26-28C	27.0	--	--	--	--	--	--	--	--	4.27	0.38	0.021
28-30	29.0	--	--	--	--	--	--	--	--	4.40	0.45	0.016
30-32	31.0	--	--	--	--	--	--	--	--	4.60	0.38	0.015
32-34	33.0	--	--	--	--	--	--	--	--	3.75	0.32	0.013
34-36	35.0	--	--	--	--	--	--	--	--	3.78	0.36	0.015
36-38	37.0	--	--	--	--	--	--	--	--	4.23	0.42	0.017
38-40	39.0	--	--	--	--	--	--	--	--	7.12	0.43	0.017
40-42	41.0	--	--	--	--	--	--	--	--	8.80	0.35	0.018
42-44	43.0	--	--	--	--	--	--	--	--	5.28	0.34	0.017
44-46	45.0	--	--	--	--	--	--	--	--	5.00	0.34	0.014
46-48	47.0	--	--	--	--	--	--	--	--	4.20	0.33	0.013
48-50	49.0	--	--	--	--	--	--	--	--	5.87	0.35	0.015
50-52	51.0	--	--	--	--	--	--	--	--	5.37	0.29	0.014
52-54A	53.0	--	--	--	--	--	--	--	--	4.00	0.24	0.015
52-54B	53.0	--	--	--	--	--	--	--	--	4.00	0.26	0.013
54-56	55.0	--	--	--	--	--	--	--	--	4.20	0.29	0.010
56-58	57.0	--	--	--	--	--	--	--	--	4.92	0.27	0.011
58-60	59.0	--	--	--	--	--	--	--	--	5.26	0.27	0.012
60-62	61.0	--	--	--	--	--	--	--	--	4.40	0.25	0.011
62-64	63.0	--	--	--	--	--	--	--	--	--	0.27	0.012

64-66	65.0	--	--	--	--	--	--	--	--	--	0.27	0.011
66-68	67.0	--	--	--	--	--	--	--	--	--	0.28	0.017
68-70	69.0	--	--	--	--	--	--	--	--	--	0.39	0.018
70-72	71.0	--	--	--	--	--	--	--	--	--	0.79	0.044
72-74	73.0	--	--	--	--	--	--	--	--	--	0.55	0.024
74-76	75.0	--	--	--	--	--	--	--	--	--	--	--
76-78	77.0	--	--	--	--	--	--	--	--	--	1.31	0.055
78-80	79.0	--	--	--	--	--	--	--	--	--	1.68	0.073
80-82	81.0	--	--	--	--	--	--	--	--	--	2.18	0.105
82-84	83.0	--	--	--	--	--	--	--	--	--	2.16	0.083
84-86	85.0	--	--	--	--	--	--	--	--	--	2.04	0.053
86-88	87.0	--	--	--	--	--	--	--	--	--	2.48	0.059
88-90	89.0	--	--	--	--	--	--	--	--	--	3.75	0.081
90-92A	91.0	--	--	--	--	--	--	--	--	--	4.32	0.107
90-92B	91.0	--	--	--	--	--	--	--	--	--	4.42	0.108
92-94	93.0	--	--	--	--	--	--	--	--	--	4.88	0.107
94-96	95.0	--	--	--	--	--	--	--	--	--	5.54	0.132
96-98	97.0	--	--	--	--	--	--	--	--	--	5.79	0.130
98-100	99.0	--	--	--	--	--	--	--	--	--	6.22	0.124
100-102	101.0	--	--	--	--	--	--	--	--	--	6.86	0.126
102-104	103.0	--	--	--	--	--	--	--	--	--	8.17	0.168
104-106	105.0	--	--	--	--	--	--	--	--	--	7.20	0.174
106-108	107.0	--	--	--	--	--	--	--	--	--	8.32	0.205
108-110	109.0	--	--	--	--	--	--	--	--	--	7.69	0.196
110-112	111.0	--	--	--	--	--	--	--	--	--	7.23	0.186
112-114	113.0	--	--	--	--	--	--	--	--	--	6.07	0.136
114-114.5	114.25	--	--	--	--	--	--	--	--	--	6.78	0.181

*Data is for <0.062mm size fraction only.

Florida Bay Cores

Core ID: FB294 3B (SFWMD 3B)
Core Location: Rabbit Key, Florida Bay, Florida
Lat/Long: N 24.9843° W 80.8375°
Date Collected: February 24, 1994

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.0	0.55	0.21	0.21	0.06	61.16	6.85	69.52	30.48	18.72	4.21	0.188
2-4	3.0	0.96	0.32	0.53	0.07	66.72	9.07	78.61	21.39	16.02	4.57	0.270
4-6	5.0	1.02	0.32	0.85	0.10	69.04	14.47	66.87	33.13	15.26	4.33	0.161
6-8	7.0	1.01	0.32	1.17	0.15	68.11	18.23	53.48	46.52	14.00	3.95	0.160
8-10	9.0	0.98	0.32	1.49	0.15	67.10	20.55	53.93	46.07	12.99	3.48	0.173
10-12	11.0	0.94	0.31	1.80	0.14	67.22	21.22	53.91	46.09	13.28	7.06	0.490
12-14	13.0	0.93	0.31	2.11	0.15	67.02	21.81	50.71	49.29	14.49	1.74	0.068
14-16	15.0	1.08	0.33	2.44	0.26	69.14	17.22	21.79	78.21	9.27	1.41	0.053

16-18	17.0	1.14	0.55	2.99	0.38	51.65	11.77	31.32	68.68	6.75	1.60	0.092
18-20	19.0	1.23	0.61	3.59	0.42	50.89	11.08	30.90	69.10	6.35	2.56	0.113
20-22	21.0	1.19	0.62	4.22	0.42	47.77	10.79	31.74	68.26	6.73	2.22	0.102
22-24	23.0	1.22	0.62	4.84	0.43	49.07	10.46	31.09	68.91	6.88	2.10	0.140
24-26	25.0	1.03	0.42	5.25	0.31	59.44	10.82	25.84	74.16	6.88	1.97	0.167
26-28	27.0	1.19	0.61	5.86	0.45	48.97	12.01	26.24	73.76	7.11	1.95	0.113
28-30	29.0	1.36	0.76	6.62	0.43	44.38	8.63	42.86	57.14	6.76	1.92	0.074
30-32	31.0	0.82	0.42	7.04	0.34	48.86	12.24	18.42	81.58	6.32	2.17	0.093

*Data is for <0.062mm size fraction only.

Core ID: FB294 5A (SFWMD 5A)
Core Location: Whipray Basin, Florida Bay, Florida
Lat/Long: N 25.0713° W 80.7392°
Date Collected: February 25, 1994

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-7	1	--	--	--	--	--	--	--	--	11.79	3.55	0.070
7-14	2	--	--	--	--	--	--	--	--	10.10	3.11	0.069
14-21	3	--	--	--	--	--	--	--	--	10.26	2.42	0.056
21-28	4	--	--	--	--	--	--	--	--	10.24	2.30	0.070
28-35	5	--	--	--	--	--	--	--	--	9.27	2.33	0.071
35-42	6	--	--	--	--	--	--	--	--	8.70	2.04	0.079
42-49	7	--	--	--	--	--	--	--	--	8.53	2.12	0.068
49-56	8	--	--	--	--	--	--	--	--	10.28	1.52	0.058
56-63	9	--	--	--	--	--	--	--	--	9.74	1.53	0.048
63-70	10	--	--	--	--	--	--	--	--	8.48	1.29	0.044
70-77	11	--	--	--	--	--	--	--	--	7.11	1.60	0.061
77-80	12	--	--	--	--	--	--	--	--	5.94	1.67	0.068
		--	--	--	--	--	--	--	--	--	--	--
0-7	13	--	--	--	--	--	--	--	--	12.36	3.19	0.089
7-14	14	--	--	--	--	--	--	--	--	11.39	2.60	0.062
14-21	15	--	--	--	--	--	--	--	--	11.39	2.43	0.055
21-28	16	--	--	--	--	--	--	--	--	10.96	2.28	0.064
28-35	17	--	--	--	--	--	--	--	--	10.28	1.78	0.067
35-42	18	--	--	--	--	--	--	--	--	10.18	1.83	0.049
42-49	19	--	--	--	--	--	--	--	--	10.91	1.89	0.048

Depth intervals are approximate.

*Samples 1-12 are the fine (<0.062mm), air-dried, ground fraction.
*Samples 13-19 are the fine (<0.062mm), centrifuged, freeze-dried fraction.

Core ID: FB294 5G (SFWMD 5G)
Core Location: Whipray Basin, Florida Bay, Florida

Lat/Long: N 25.0712° W 80.7385°

Date Collected: February 26, 1994

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.00	0.98	0.23	--	0.21	76.85	25.49	6.30	93.70	16.33	4.95	0.083
2-4	3.00	1.37	0.39	--	0.34	71.34	19.11	12.75	87.25	14.46	5.42	0.089
4-6	5.00	1.36	0.45	--	0.42	66.95	18.73	6.40	93.60	13.78	4.29	0.080
6-8	7.00	1.39	0.55	--	0.54	60.81	22.60	1.06	98.94	12.65	3.72	0.070
8-10	9.00	1.39	0.55	--	0.54	60.16	18.41	1.84	98.16	13.21	4.05	0.087
10-12	11.00	1.57	0.63	--	0.63	59.90	19.75	0.43	99.57	12.70	3.93	0.092
12-14	13.00	1.46	0.60	--	0.57	59.02	21.12	4.19	95.81	12.23	3.64	0.071
14-16	15.00	1.47	0.64	--	0.56	56.91	16.23	11.41	88.59	11.59	3.44	0.085
16-18	17.00	1.60	0.74	--	0.46	53.89	16.89	37.72	62.28	10.91	2.66	0.067
18-20	19.00	1.40	0.56	--	0.48	60.13	17.05	14.14	85.86	9.70	1.90	0.044
20-22	21.00	1.49	0.58	--	0.51	61.02	22.42	12.11	87.89	10.71	2.29	0.054
22-24	23.00	1.57	0.64	--	0.49	59.45	17.29	23.34	76.66	9.70	1.98	0.055
24-26	25.00	1.44	0.58	--	0.42	59.40	17.01	28.62	71.38	9.29	2.03	0.066
26-28	27.00	1.48	0.64	--	0.48	56.40	17.19	24.71	75.29	9.15	1.93	0.040
28-30	29.00	1.47	0.63	--	0.51	57.07	17.68	18.42	81.58	8.70	1.76	0.048
30-32	31.00	1.42	0.63	--	0.49	56.02	14.35	22.28	77.72	10.71	1.75	0.040
32-34	33.00	1.46	0.63	--	0.45	56.54	26.91	28.99	71.01	11.22	1.56	0.049
34-36	35.00	1.41	0.56	--	0.44	60.28	19.78	21.02	78.98	11.26	2.06	0.077
36-38	37.00	1.48	0.51	--	0.47	65.61	21.73	8.38	91.62	12.01	1.54	0.050
38-40	39.00	1.41	0.52	--	0.41	63.26	17.43	20.41	79.59	9.63	1.82	0.061
40-42	41.00	1.50	0.60	--	0.36	59.99	14.51	39.23	60.77	9.68	1.62	0.080
42-44	43.00	1.46	0.61	--	0.41	58.38	23.77	32.11	67.89	8.93	1.72	0.064
44-46	45.00	1.48	0.61	--	0.52	58.91	21.97	14.93	85.07	8.57	1.84	0.089
46-48	47.00	1.44	0.54	--	0.48	62.68	20.98	11.10	88.90	10.10	1.76	0.076
48-50	49.00	1.47	0.55	--	0.46	62.94	23.06	16.55	83.45	9.86	1.73	0.057
50-52	51.00	1.34	0.47	--	0.40	64.80	19.87	15.86	84.14	11.07	1.90	0.069
52-54	53.00	1.38	0.44	--	0.42	67.83	24.71	4.45	95.55	12.18	1.88	0.083
54-56	55.00	1.49	0.69	--	0.66	53.74	13.11	4.09	95.91	13.31	1.86	0.074
56-58	57.00	1.39	0.56	--	0.53	59.72	15.68	5.13	94.87	12.25	1.79	0.065
58-60	59.00	1.34	0.56	--	0.53	58.13	14.76	5.78	94.22	10.30	1.92	0.069
60-62	61.00	1.53	0.60	--	0.54	60.85	14.71	9.94	90.06	11.05	1.78	0.072
62-64	63.00	1.52	0.66	--	0.46	56.50	13.32	30.49	69.51	12.13	1.97	0.107
64-66	65.00	1.46	0.63	--	0.40	56.73	13.25	37.23	62.77	9.34	1.96	0.083
66-68	67.00	1.45	0.56	--	0.48	61.23	17.65	13.83	86.17	19.96	2.09	0.153
68-70	69.00	1.49	0.70	--	0.68	52.75	15.43	3.47	96.53	10.28	2.04	0.089
70-72	71.00	1.57	0.77	--	0.71	50.64	14.74	8.26	91.74	8.04	2.20	0.093
72-74	73.00	1.43	0.65	--	0.62	54.34	14.80	4.52	95.48	12.13	2.06	0.075
74-76	75.00	1.55	0.74	--	0.67	52.20	17.95	9.62	90.38	7.52	1.92	0.086
76-78	77.00	1.39	0.67	--	0.63	51.61	21.16	6.92	93.08	7.86	2.08	0.130
78-80	79.00	1.49	0.73	--	0.69	50.88	14.91	5.32	94.68	8.33	1.92	0.071
80-82	81.00	1.61	0.78	--	0.75	51.27	11.83	3.77	96.23	11.02	2.03	0.070
82-84	83.00	1.48	0.71	--	0.65	52.13	14.25	8.49	91.51	11.68	2.18	0.076
84-86	85.00	1.45	0.62	--	0.54	57.62	17.29	11.61	88.39	11.31	2.01	0.070

86-88	87.00	1.60	0.71	--	0.66	55.61	14.70	6.67	93.33	12.40	1.91	0.076
88-90	89.00	1.42	0.65	--	0.63	53.98	14.17	4.41	95.59	9.63	2.03	0.079
90-92	91.00	1.77	0.99	--	0.74	44.15	23.44	24.70	75.30	5.36	1.63	0.052
92-94	93.00	2.12	1.34	--	0.46	36.62	28.68	65.73	34.27	4.96	1.96	0.079
94-96	95.00	1.66	1.10	--	0.43	33.64	7.62	61.34	38.66	4.73	1.80	0.083
96-98	97.00	1.74	1.15	--	0.66	33.88	9.52	43.04	56.96	4.53	2.22	0.110
98-100	99.00	1.93	1.24	--	0.84	35.62	10.13	32.73	67.27	4.32	1.98	0.040
100-102	101.00	1.86	1.17	--	0.86	37.27	36.72	26.17	73.83	4.14	2.32	0.106
102-104	103.00	1.83	1.16	--	0.88	36.60	28.51	24.76	75.24	4.52	2.21	0.074
104-106	105.00	1.92	1.23	--	0.96	36.13	10.57	21.35	78.65	4.94	2.37	0.084
106-108	107.00	1.85	1.12	--	0.86	39.50	16.67	23.51	76.49	4.95	2.38	0.105
108-110	109.00	1.73	1.02	--	0.80	41.22	14.07	21.83	78.17	5.34	1.96	0.117
110-112	111.00	1.55	0.69	--	0.59	55.33	21.18	15.16	84.84	9.41	2.62	0.094
112-114	113.00	1.46	0.69	--	0.58	52.64	22.93	15.56	84.44	19.76	2.81	0.093
114-116	115.00	1.27	0.41	--	0.36	68.10	33.46	10.86	89.14	29.84	3.34	0.130
116-118	117.00	1.42	0.59	--	0.53	58.42	23.04	11.20	88.80	17.26	2.56	0.055
118-120	119.00	1.51	0.73	--	0.64	51.74	27.10	11.96	88.04	10.45	2.41	0.057
120-122	121.00	1.53	0.79	--	0.64	48.02	47.61	18.81	81.19	6.51	2.15	0.048
122-124	123.00	1.47	0.66	--	0.41	55.31	34.34	37.85	62.15	12.43	3.43	0.109
124-126	125.00	1.36	0.44	--	0.34	67.28	68.00	22.80	77.20	20.47	4.84	0.165
126-128	127.00	1.07	0.46	--	0.29	56.86	47.19	36.78	63.22	19.80	5.63	0.183

*Data is for <0.062mm size fraction only.

Core ID: FB294 6A (SFWMD 6A)
Core Location: Bob Allen Bank, Florida Bay, Florida
Lat/Long: N 25.0232° W 80.6568°
Date Collected: February 26, 1994

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.00	0.54	0.14	--	0.09	73.64	--	37.14	62.86	9.56	5.07	0.112
2-4	3.00	1.20	0.37	--	0.24	69.43	--	34.24	65.76	8.75	4.04	0.080
4-6	5.00	0.98	0.33	--	0.22	66.50	--	32.76	67.24	8.53	5.41	0.111
6-8	7.00	0.95	0.34	--	0.19	63.70	--	45.70	54.30	8.30	4.06	0.081
8-10	9.00	1.09	0.43	--	0.24	60.46	--	43.36	56.64	8.09	4.12	0.096
10-12	11.00	1.78	0.67	--	0.59	62.36	--	12.62	87.38	8.10	4.84	0.103
12-14	13.00	1.78	0.79	--	0.68	55.95	--	12.88	87.12	7.58	5.41	0.124
14-16	15.00	1.67	0.71	--	0.62	57.57	--	12.18	87.82	7.45	3.57	0.071
16-18	17.00	1.51	0.66	--	0.61	56.39	--	6.63	93.37	6.92	3.65	0.099
18-20	19.00	1.59	0.76	--	0.69	52.28	--	8.67	91.33	7.14	3.19	0.067
20-22	21.00	1.59	0.80	--	0.75	49.36	--	7.06	92.94	6.89	2.77	0.073
22-24	23.00	1.70	0.88	--	0.87	48.11	--	2.14	97.86	6.48	3.32	0.093
24-26	25.00	1.64	0.87	--	0.83	47.16	--	4.92	95.08	6.92	3.17	0.102
26-28	27.00	1.58	0.80	--	0.66	49.15	--	17.52	82.48	6.93	3.22	0.075
28-30	29.00	1.62	0.78	--	0.71	51.69	--	9.71	90.29	6.71	2.82	0.063
30-32	31.00	1.56	0.74	--	0.69	52.59	--	6.47	93.53	6.17	2.52	0.058

32-34	33.00	1.57	0.71	--	0.66	54.94	--	6.61	93.39	6.26	2.70	0.065
34-36	35.00	1.49	0.69	--	0.63	53.45	--	9.06	90.94	6.56	3.16	0.072
36-38	37.00	1.48	0.69	--	0.63	53.13	--	9.31	90.69	6.22	2.94	0.066
38-40	39.00	1.57	0.70	--	0.64	55.28	--	9.00	91.00	5.84	3.04	0.069
40-42	41.00	1.52	0.71	--	0.63	53.22	--	10.68	89.32	6.31	2.79	0.075
42-44	43.00	1.60	0.75	--	0.55	52.96	--	27.50	72.50	5.94	2.16	0.056
44-46	45.00	1.50	0.66	--	0.54	56.10	--	17.58	82.42	6.10	2.44	0.070
46-48	47.00	1.46	0.62	--	0.49	57.48	--	20.93	79.07	6.56	2.44	0.055
48-50	49.00	1.59	0.72	--	0.62	54.71	--	14.20	85.80	6.11	1.97	0.064
50-52	51.00	1.63	0.70	--	0.56	56.68	--	20.48	79.52	7.30	2.07	0.054
52-54	53.00	1.55	0.71	--	0.59	54.26	--	16.84	83.16	8.25	2.60	0.073
54-56	55.00	1.62	0.77	--	0.68	52.23	--	12.32	87.68	7.11	2.17	0.065
56-58	57.00	1.56	0.75	--	0.68	51.76	--	9.87	90.13	6.53	2.04	0.061
58-60	59.00	1.72	0.85	--	0.79	50.62	--	6.37	93.63	6.08	2.88	0.094
60-62	61.00	1.52	0.75	--	0.69	50.27	--	9.04	90.96	5.95	2.08	0.078
62-64	63.00	1.68	0.82	--	0.75	51.26	--	7.75	92.25	6.13	1.98	0.048
64-66	65.00	1.62	0.79	--	0.72	51.00	--	8.80	91.20	6.13	1.87	0.048
66-68	67.00	1.56	0.74	--	0.69	52.54	--	6.92	93.08	5.94	1.80	0.061
68-70	69.00	1.60	0.79	--	0.76	50.68	--	3.75	96.25	6.14	1.89	0.085
70-72	71.00	1.67	0.85	--	0.84	49.06	--	0.98	99.02	5.54	1.91	0.058
72-74	73.00	1.63	0.84	--	0.81	48.62	--	3.59	96.41	5.37	1.65	0.050
74-76	75.00	1.63	0.85	--	0.84	47.84	--	0.95	99.05	5.74	1.88	0.044
76-78	77.00	1.62	0.87	--	0.86	46.57	--	0.58	99.42	5.75	1.96	0.047
78-80	79.00	1.66	0.89	--	0.89	46.10	--	0.85	99.15	5.72	1.68	0.040
80-82	81.00	1.71	0.94	--	0.91	45.32	--	2.55	97.45	5.10	1.73	0.043
82-84	83.00	1.72	0.97	--	0.96	43.95	--	0.91	99.09	4.97	1.74	0.056
84-86	85.00	1.73	0.97	--	0.90	44.12	--	6.74	93.26	4.76	1.85	0.056
86-88	87.00	1.70	0.98	--	0.96	42.39	--	2.11	97.89	4.72	1.59	0.052
88-90	89.00	1.78	1.04	--	0.99	41.91	--	4.03	95.97	4.54	1.31	0.044
90-92	91.00	1.72	0.98	--	0.95	42.66	--	3.44	96.56	4.74	1.60	0.063
92-94	93.00	1.63	0.95	--	0.94	41.69	--	1.57	98.43	4.56	1.71	0.053
94-96	95.00	1.75	1.02	--	0.99	41.93	--	2.28	97.72	4.76	1.73	0.058
96-98	97.00	1.73	0.99	--	0.93	42.67	--	5.81	94.19	4.53	1.56	0.062
98-100	99.00	1.65	0.97	--	0.92	41.49	--	4.82	95.18	4.95	1.67	0.075
100-102	101.00	1.67	0.94	--	0.93	43.69	--	1.37	98.63	4.72	1.73	0.044
102-104	103.00	1.72	0.96	--	0.94	44.18	--	2.59	97.41	4.75	1.56	0.039
104-106	105.00	1.69	0.94	--	0.93	44.35	--	1.32	98.68	4.56	1.89	0.058
106-108	107.00	1.68	0.92	--	0.88	44.97	--	4.31	95.69	3.75	1.38	0.041
108-110	109.00	1.79	0.99	--	0.95	44.45	--	4.16	95.84	4.95	1.50	0.048
110-112	111.00	1.72	0.73	--	0.69	57.66	--	4.41	95.59	5.93	1.47	0.046
112-114	113.00	1.74	0.72	--	0.67	58.85	--	6.82	93.18	5.99	1.56	0.051
114-116	115.00	1.70	0.73	--	0.71	57.12	--	2.67	97.33	6.52	1.65	0.055
116-118	117.00	1.65	0.71	--	0.70	56.96	--	1.78	98.22	5.71	1.89	0.058
118-120	119.00	1.77	0.78	--	0.75	56.10	--	3.74	96.26	6.11	1.62	0.069
120-122	121.00	1.65	0.70	--	0.68	57.40	--	3.86	96.14	6.39	1.56	0.055
122-124	123.00	1.75	0.78	--	0.77	55.52	--	0.82	99.18	6.37	1.58	0.044
124-126	125.00	1.72	0.76	--	0.75	55.83	--	1.66	98.34	7.06	1.63	0.053
126-128	127.00	1.68	0.73	--	0.72	56.77	--	1.18	98.82	6.69	1.57	0.065
128-130	129.00	1.74	0.76	--	0.74	56.70	--	1.86	98.14	6.67	1.61	0.048

130-132	131.00	1.71	0.73	--	0.72	57.62	--	0.80	99.20	6.50	1.63	0.041
132-134	133.00	1.67	0.71	--	0.70	57.35	--	1.28	98.72	6.31	1.50	0.044
134-136	135.00	1.71	0.76	--	0.74	55.52	--	2.17	97.83	6.18	1.66	0.049
136-138	137.00	1.79	0.74	--	0.71	58.61	--	4.38	95.62	5.73	1.69	0.049
138-140	139.00	1.80	0.73	--	0.70	59.48	--	4.20	95.80	5.72	1.67	0.049
140-142	141.00	1.74	0.78	--	0.74	55.47	--	5.28	94.72	5.33	1.61	0.048
142-144	143.00	1.69	0.75	--	0.65	55.65	--	12.89	87.11	5.88	1.48	0.049
144-146	145.00	1.70	0.76	--	0.68	55.58	--	10.02	89.98	5.75	1.52	0.052
146-148	147.00	1.71	0.76	--	0.72	55.48	--	5.72	94.28	5.56	1.48	0.044
148-150	149.00	1.76	0.76	--	0.70	56.97	--	6.85	93.15	5.94	1.24	0.034
150-152	151.00	1.67	0.77	--	0.71	54.06	--	7.76	92.24	5.16	1.34	0.049
152-154	153.00	1.84	0.82	--	0.75	55.34	--	8.90	91.10	4.36	1.27	0.036
154-156	155.00	1.71	0.70	--	0.59	59.30	--	15.46	84.54	4.14	1.33	0.039
156-158	157.00	1.88	0.71	--	0.49	62.29	--	30.94	69.06	3.74	1.23	0.046

*Data is for <0.062mm size fraction only.

**Data provided by John Robbins, GLERL, NOAA.

Core ID: FB294 6C (SFWMD 6C)

Core Location: Bob Allen Bank, Florida Bay, Florida

Lat/Long: N 25.0232° W 80.6568°

Date Collected: February 26, 1994

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.0	1.39	0.56	0.56	0.54	59.88	9.40	2.26	97.74	7.33	4.84	0.104
2-4	3.0	1.68	0.82	1.38	0.81	51.18	8.97	1.10	98.90	7.16	4.05	0.084
4-6	5.0	1.32	0.67	2.04	0.65	49.48	9.12	1.89	98.11	7.34	3.83	0.080
6-8	7.0	1.60	0.78	2.83	0.76	51.15	9.35	2.33	97.67	6.55	3.96	0.146
8-10	9.0	1.47	0.70	3.53	0.70	52.31	9.42	0.97	99.03	7.52	4.03	0.077
10-12	11.0	1.55	0.71	4.24	0.69	54.22	9.05	2.57	97.43	7.11	3.78	0.060
12-14	13.0	1.55	0.76	5.00	0.75	51.10	8.63	1.32	98.68	6.96	3.99	0.082
14-16	15.0	1.62	0.84	5.84	0.84	47.97	8.81	0.46	99.54	6.50	4.05	0.074
16-18	17.0	1.68	0.90	6.74	0.90	46.33	8.67	0.46	99.54	6.13	3.91	0.093
18-20	19.0	1.71	0.94	7.68	0.93	45.14	8.59	1.09	98.91	5.94	3.81	0.117
20-22	21.0	1.63	0.89	8.57	0.87	45.39	8.75	2.18	97.82	6.31	3.83	0.109
22-24	23.0	1.82	1.00	9.56	0.98	45.25	8.64	1.41	98.59	6.31	3.70	0.051
24-26	25.0	1.71	0.97	10.54	0.96	42.97	8.66	1.16	98.84	5.96	2.99	0.067
26-28	27.0	1.70	0.97	11.50	0.96	43.04	8.88	0.41	99.59	6.48	3.37	0.079
28-30	29.0	1.78	1.00	12.50	0.99	43.99	8.60	0.71	99.29	6.31	3.31	0.072
30-32	31.0	1.56	0.85	13.36	0.84	45.27	8.77	1.42	98.58	5.92	3.15	0.092
32-34	33.0	1.63	0.90	14.26	0.89	44.58	9.30	0.80	99.20	5.51	2.90	0.070
34-36	35.0	1.66	0.95	15.21	0.92	42.67	8.92	2.88	97.12	5.95	2.93	0.071
36-38	37.0	1.64	0.92	16.13	0.92	43.67	9.12	0.52	99.48	5.73	2.67	0.059
38-40	39.0	1.73	0.99	17.12	0.98	42.45	8.46	1.43	98.57	5.54	2.89	0.066
40-42	41.0	1.82	1.05	18.18	1.05	42.06	8.76	0.37	99.63	5.13	2.54	0.051
42-44	43.0	1.72	0.97	19.15	0.96	43.61	8.94	0.80	99.20	5.15	2.51	0.050

44-46	45.0	1.75	1.05	20.20	1.02	39.85	8.36	2.77	97.23	4.54	2.40	0.055
46-48	47.0	1.85	1.11	21.31	1.08	39.82	7.50	3.01	96.99	4.53	2.40	0.062
48-50	49.0	1.70	1.02	22.33	1.01	39.89	8.16	1.15	98.85	4.72	2.45	0.060
50-52	51.0	1.74	1.03	23.36	1.02	40.96	8.80	0.66	99.34	4.89	2.50	0.057
52-54	53.0	1.76	1.03	24.39	1.02	41.46	8.14	0.76	99.24	4.50	2.22	0.056
54-56	55.0	1.74	1.02	25.41	1.01	41.60	8.65	0.61	99.39	4.74	1.92	0.047
56-58	57.0	1.74	0.98	26.39	0.97	43.71	8.73	1.55	98.45	4.35	2.09	0.057
58-60	59.0	1.67	0.91	27.30	0.90	45.65	9.37	0.50	99.50	4.55	2.35	0.050
60-62	61.0	1.73	--	29.03	--	--	10.10	0.56	99.44	4.51	2.15	0.054
62-64	63.0	1.65	0.84	29.87	0.83	48.96	10.06	1.21	98.79	4.77	1.84	0.051
64-66	65.0	1.55	0.78	30.65	0.77	49.75	10.49	0.70	99.30	5.14	2.39	0.060
66-68	67.0	1.45	0.75	31.40	0.72	48.11	9.59	4.50	95.50	4.56	2.35	0.063
68-70	69.0	1.46	0.78	32.19	0.76	46.36	8.93	2.97	97.03	4.73	2.20	0.054
70-72	71.0	1.66	0.84	33.03	0.83	49.26	9.00	1.81	98.19	4.55	2.01	0.049
72-74	73.0	1.66	0.93	33.96	0.91	43.79	8.91	1.93	98.07	4.94	2.20	0.044
74-76	75.0	1.80	1.00	34.96	0.96	44.53	8.71	3.39	96.61	4.74	1.98	0.043
76-78	77.0	1.87	1.07	36.03	1.03	42.99	8.77	3.53	96.47	4.76	1.95	0.051
78-80	79.0	1.74	0.98	37.01	0.95	43.43	8.81	3.41	96.59	4.92	1.81	0.058
80-82	81.0	1.74	0.98	37.99	0.95	43.63	8.75	3.46	96.54	5.33	2.05	0.055
82-84	83.0	1.56	0.85	38.84	0.85	45.24	9.27	0.62	99.38	4.91	1.96	0.064
84-86	85.0	1.80	0.99	39.83	0.97	44.94	8.84	1.56	98.44	4.96	1.95	0.051
86-88	87.0	1.75	0.97	40.80	0.96	44.59	9.07	0.96	99.04	5.34	2.07	0.062
88-90	89.0	1.92	1.08	41.88	1.06	44.00	8.65	1.09	98.91	4.96	2.03	0.051
90-92	91.0	1.58	0.90	42.78	0.89	42.93	8.54	1.65	98.35	4.75	2.02	0.055
92-94	93.0	1.66	0.95	43.73	0.94	42.77	8.71	1.30	98.70	4.72	1.95	0.058
94-96	95.0	1.57	0.90	44.62	0.89	42.98	8.69	0.88	99.12	5.13	1.68	0.050
96-98	97.0	1.86	1.05	45.68	1.03	43.41	8.61	2.58	97.42	4.92	1.79	0.044
98-100	99.0	1.73	1.00	46.68	0.97	42.12	8.74	2.83	97.17	4.92	1.90	0.047
100-102	101.0	2.06	1.22	47.89	1.20	40.89	8.65	1.39	98.61	5.13	1.97	0.044
102-104	103.0	1.57	0.91	48.80	0.90	42.15	9.45	0.32	99.68	4.53	2.09	0.048
104-106	105.0	1.85	1.07	49.87	1.07	42.13	9.36	0.07	99.93	4.72	2.05	0.052
106-108	107.0	1.89	1.07	50.94	1.07	43.49	10.07	0.25	99.75	4.73	1.91	0.049
108-110	109.0	1.71	0.94	51.88	0.94	44.80	10.63	0.08	99.92	5.35	2.17	0.057
110-112	111.0	1.71	0.91	52.80	0.91	46.52	11.55	0.13	99.87	5.35	2.28	0.062
112-114	113.0	1.57	0.84	53.64	0.84	46.39	10.90	0.20	99.80	5.14	2.05	0.054
114-116	115.0	1.72	0.95	54.59	0.94	44.97	9.89	0.65	99.35	4.37	1.85	0.057
116-118	117.0	2.10	1.15	55.74	1.15	44.90	8.38	0.11	99.89	4.14	1.79	0.053
118-120	119.0	1.57	0.87	56.61	0.87	44.68	9.13	0.54	99.46	4.55	1.68	0.057
120-122	121.0	2.06	1.17	57.78	1.14	43.45	9.11	2.70	97.30	5.15	1.76	0.045
122-124	123.0	1.89	1.10	58.87	0.83	41.95	6.40	23.94	76.06	5.11	1.69	0.046
124-126	125.0	1.77	0.79	59.66	0.69	55.74	7.90	11.69	88.31	5.52	1.88	0.054
126-128	127.0	1.74	0.93	60.59	0.88	46.69	8.71	5.49	94.51	4.93	2.06	0.063
128-130	129.0	1.81	0.97	61.55	0.91	46.80	8.67	5.21	94.79	5.88	1.80	0.048
130-132	131.0	1.91	1.03	62.58	0.97	46.22	8.80	5.86	94.14	5.96	1.56	0.044
132-134	133.0	1.80	0.97	63.55	0.95	45.99	9.01	2.21	97.79	6.10	1.69	0.040
134-136	135.0	1.53	0.81	64.36	0.79	47.01	8.86	2.46	97.54	5.93	1.62	0.040
136-138	137.0	2.03	1.11	65.47	1.08	45.14	8.58	2.93	97.07	4.93	1.52	0.046
138-140	139.0	1.54	0.85	66.32	0.83	44.88	8.60	2.32	97.68	4.94	1.32	0.053
140-142	141.0	1.89	1.04	67.36	1.03	44.93	8.47	1.15	98.85	4.96	1.84	0.059

142-144	143.0	1.72	0.95	68.32	0.93	44.79	8.72	1.78	98.22	4.36	1.56	0.053
144-146	145.0	1.95	1.09	69.41	0.96	43.97	7.11	12.00	88.00	4.58	1.67	0.057
146-148	147.0	1.85	1.04	70.45	0.84	44.13	7.14	18.48	81.52	4.72	1.48	0.062
148-150	149.0	1.71	0.93	71.38	0.82	45.63	8.11	11.31	88.69	5.57	1.62	0.049
150-152	151.0	1.84	0.98	72.36	0.92	46.77	9.19	6.02	93.98	5.52	1.46	0.057

*Data is for <0.062mm size fraction only.
**Data provided by John Robbins, NOAA, GLERL.

Core ID: FB294 7B (SFWMD 7B)
Core Location: Rankin Bight, Florida Bay, Florida
Lat/Long: N 25.1591° W 80.7103°
Date Collected: February 27, 1994

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-1	0.5	1.82	0.57	0.57	0.40	68.52	13.90	29.80	70.20	12.08	5.56	0.121
1-2	1.5	1.56	0.46	1.03	0.34	70.55	14.97	26.01	73.99	10.81	5.61	0.061
2-3	2.5	1.39	0.43	1.46	0.31	69.08	13.22	27.58	72.42	11.88	6.80	0.148
3-4	3.5	1.82	0.63	2.10	0.47	65.27	12.67	25.58	74.42	8.95	5.81	0.133
4-5.5	5	1.54	0.61	2.71	0.49	60.23	12.80	20.83	79.17	7.51	4.92	0.105
5.5-6.5	6	1.86	0.70	3.41	0.60	62.41	14.75	14.06	85.94	8.50	5.64	0.068
6.5-7.5	7	1.79	0.70	4.11	0.61	61.09	13.75	12.71	87.29	7.69	5.18	0.099
7.5-8.5	8	1.74	0.61	4.72	0.51	64.96	14.44	16.31	83.69	7.51	4.94	0.086
8.5-9.5	9	1.64	0.66	5.37	0.53	59.99	14.22	18.93	81.07	6.71	4.67	0.064
9.5-10.5	10	1.40	0.58	5.95	0.47	58.66	12.53	18.52	81.48	6.51	3.99	0.043
10.5-11.5	11	1.51	0.71	6.67	0.55	52.65	12.29	23.38	76.62	6.69	4.34	0.110
11.5-12.5	12	1.97	1.03	7.69	0.81	47.79	11.98	21.50	78.50	6.52	4.12	0.099
12.5-13.5	13	1.86	0.90	8.60	0.75	51.23	12.22	17.02	82.98	5.12	3.50	0.102
13.5-14.5	14	2.04	1.11	9.70	0.88	45.82	11.32	20.26	79.74	5.15	2.99	0.079
14.5-15.5	15	1.99	1.12	10.82	0.88	43.82	11.23	21.47	78.53	4.73	2.57	0.077
15.5-16.5	16	1.71	0.98	11.80	0.77	42.98	11.08	21.46	78.54	4.13	2.47	0.028
16.5-17.5	17	1.89	1.11	12.91	0.80	41.11	9.15	28.05	71.95	4.56	2.94	0.070
17.5-18.5	18	1.73	1.01	13.91	0.80	41.79	10.81	20.79	79.21	4.72	2.68	0.071
18.5-19.5	19	1.75	1.02	14.94	0.78	41.33	10.05	23.94	76.06	4.16	2.50	0.064
19.5-20.5	20	1.86	1.11	16.05	0.87	40.23	10.76	21.85	78.15	4.14	3.00	0.084
20.5-21.5	21	2.11	1.28	17.33	1.03	39.26	9.83	19.75	80.25	4.53	2.62	0.066
21.5-22.5	22	2.04	1.21	18.55	1.04	40.52	10.42	13.91	86.09	3.73	2.64	0.062
22.5-23.5	23	1.78	1.07	19.62	0.95	39.74	10.15	11.54	88.46	3.74	2.45	0.058
23.5-24.5	24	1.65	0.99	20.61	0.88	40.31	10.74	10.62	89.38	3.92	2.34	0.084
24.5-25.5	25	1.94	1.19	21.79	1.05	38.67	10.40	11.88	88.12	4.16	2.49	0.069
25.5-26.5	26	2.00	1.24	23.03	1.11	37.85	10.17	10.76	89.24	3.92	2.71	0.077
26.5-27.5	27	1.99	1.24	24.28	1.13	37.33	10.44	9.29	90.71	3.75	2.57	0.094
27.5-28.5	28	2.07	1.28	25.56	1.15	38.31	10.28	9.88	90.12	2.99	2.24	0.065
28.5-29.5	29	1.81	1.12	26.68	1.02	38.11	10.40	8.86	91.14	3.78	2.58	0.067
29.5-31.5	30.5	2.05	0.80	27.48	0.73	60.82	10.48	9.40	90.60	3.36	2.45	0.066
31.5-33.5	32.5	2.01	1.24	28.72	1.11	38.20	10.51	10.88	89.12	3.36	2.41	0.034

33.5-35.5	34.5	2.00	1.24	29.96	1.07	38.12	10.62	13.31	86.69	4.17	2.31	0.033
35.5-37.5	36.5	1.87	1.07	31.03	0.90	42.70	11.03	15.62	84.38	4.37	2.49	0.039
37.5-39.5	38.5	1.99	1.14	32.17	0.98	42.96	10.76	13.63	86.37	4.53	2.41	0.032
39.5-41.5	40.5	1.76	0.96	33.13	0.90	45.30	11.50	6.52	93.48	4.36	2.73	0.031
41.5-43.5	42.5	1.83	1.00	34.13	0.95	45.63	12.96	4.61	95.39	4.37	2.46	0.030
43.5-45.5	44.5	1.70	0.93	35.05	0.87	45.39	13.00	5.75	94.25	3.95	2.41	0.028
45.5-47.5	46.5	1.79	1.02	36.07	0.90	43.10	11.45	11.14	88.86	4.15	2.46	0.032
47.5-49.5	48.5	1.81	1.00	37.07	0.83	44.63	9.18	16.92	83.08	4.16	2.17	0.035
49.5-51.5	50.5	1.87	1.02	38.10	0.88	45.28	9.47	13.76	86.24	3.77	2.06	0.030
51.5-53.5	52.5	1.62	0.90	39.00	0.78	44.49	9.55	13.18	86.82	4.72	2.72	0.070
53.5-55.5	54.5	1.68	0.95	39.94	0.90	43.72	12.08	4.56	95.44	4.37	2.97	0.083
55.5-57.5	56.5	1.79	1.00	40.95	0.94	43.88	11.01	6.10	93.90	3.78	2.59	0.068
57.5-59.5	58.5	1.77	0.99	41.94	0.95	44.16	11.91	3.98	96.02	4.35	2.66	0.073
59.5-61.5	60.5	1.80	1.04	42.97	0.98	42.50	10.15	5.63	94.37	4.17	2.98	0.072
61.5-63.5	62.5	1.77	1.01	43.98	0.95	42.80	11.74	6.16	93.84	3.59	2.78	0.078
63.5-65.5	64.5	1.84	1.06	45.04	0.95	42.28	11.02	10.48	89.52	3.36	2.71	0.061
65.5-67.5	66.5	1.81	1.07	46.11	0.89	40.84	9.67	16.68	83.32	3.59	2.70	0.061
67.5-69.5	68.5	1.89	1.13	47.24	0.94	40.20	9.51	17.08	82.92	3.74	2.74	0.073
69.5-71.5	70.5	1.81	1.08	48.33	0.91	40.34	10.00	15.51	84.49	3.98	2.67	0.096
71.5-73.5	72.5	1.79	1.11	49.43	0.95	38.25	9.57	14.00	86.00	3.17	2.67	0.068
73.5-75.5	74.5	1.91	1.19	50.62	1.03	37.70	9.75	13.58	86.42	3.15	2.65	0.087
75.5-77.5	76.5	1.92	1.21	51.84	1.03	36.91	9.45	15.12	84.88	3.36	2.90	0.083
77.5-79.5	78.5	1.93	1.20	53.04	0.95	37.64	9.21	21.26	78.74	3.16	2.71	0.078
79.5-81.5	80.5	1.87	1.20	54.24	0.94	36.07	8.50	21.32	78.68	3.36	2.83	0.063
81.5-83.5	82.5	1.79	1.14	55.37	0.92	36.25	9.13	19.12	80.88	3.75	2.95	0.079
83.5-85.5	84.5	2.18	1.42	56.80	1.22	34.83	8.95	14.18	85.82	3.35	2.84	0.042
85.5-87.5	86.5	1.79	1.17	57.96	0.99	34.76	9.24	15.32	84.68	2.96	3.04	0.046
87.5-89.5	88.5	1.91	1.25	59.21	1.08	34.88	9.69	12.90	87.10	3.55	3.31	0.047
89.5-91.5	90.5	1.89	1.22	60.43	1.08	35.28	9.54	11.20	88.80	3.15	3.06	0.044
91.5-93.5	92.5	1.92	1.27	61.69	1.10	34.00	9.72	12.96	87.04	2.76	2.85	0.037
93.5-95.5	94.5	1.81	1.16	62.85	1.03	36.01	9.99	11.39	88.61	2.98	3.11	0.038
95.5-97.5	96.5	2.00	1.30	64.16	1.15	34.90	9.79	11.68	88.32	--	--	--
97.5-99.5	98.5	1.93	1.25	65.41	0.95	34.92	9.51	24.26	75.74	--	--	--
99.5-101.5	100.5	2.11	1.39	66.80	1.19	34.31	9.26	13.97	86.03	--	--	--
101.5-103.5	102.5	1.93	1.24	68.04	1.07	35.88	9.31	13.25	86.75	--	--	--
103.5-105.5	104.5	1.89	1.20	69.24	1.07	36.41	9.62	11.35	88.65	--	--	--
105.5-107.5	106.5	1.91	1.20	70.44	1.09	36.93	9.91	9.63	90.37	--	--	--
107.5-109.5	108.5	1.93	1.19	71.63	1.10	38.11	10.17	7.84	92.16	--	--	--
109.5-111.5	110.5	1.81	1.13	72.76	1.03	37.67	10.38	8.30	91.70	--	--	--
111.5-113.5	112.5	1.89	1.18	73.94	1.07	37.43	10.00	9.02	90.98	--	--	--
113.5-115.5	114.5	1.88	1.17	75.11	1.06	37.56	10.22	9.41	90.59	--	--	--
115.5-117.5	116.5	1.87	1.16	76.27	1.03	38.11	9.59	10.99	89.01	--	--	--
117.5-119.5	118.5	1.97	1.24	77.51	1.07	37.27	9.58	13.47	86.53	--	--	--
119.5-121.5	120.5	1.95	1.23	78.74	1.04	37.11	9.63	15.25	84.75	--	--	--
121.5-123.5	122.5	1.89	1.19	79.93	1.04	37.20	9.88	11.99	88.01	--	--	--
123.5-125.5	124.5	2.11	1.33	81.25	1.13	37.23	9.98	14.78	85.22	--	--	--
125.5-127.5	126.5	2.04	1.27	82.52	1.05	37.66	9.65	17.71	82.29	--	--	--
127.5-129.5	128.5	2.20	1.39	83.91	1.18	37.02	11.52	14.91	85.09	--	--	--
129.5-131.5	130.5	2.00	1.24	85.15	1.10	38.00	11.66	11.32	88.68	--	--	--

131.5-133.5	132.5	1.94	1.20	86.35	1.06	38.32	11.07	11.38	88.62	--	--	--
133.5-135.5	134.5	1.85	1.13	87.48	1.02	38.65	12.10	9.73	90.27	--	--	--
135.5-137.5	136.5	1.86	1.15	88.64	1.04	37.88	12.48	9.55	90.45	--	--	--
137.5-139.5	138.5	1.95	1.20	89.83	1.09	38.81	12.52	8.52	91.48	--	--	--

*Data is for <0.062mm size fraction only.

**Data provided by Mike Bothner, USGS, Wood's Hole, MA.

Core ID: FB294 8B (SFWMD 8B)

Core Location: Lake Ingraham, Florida Bay, Florida

Lat/Long: N 25.1476° W 81.0980°

Date Collected: February 27, 1994

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-1	0.50	--	--	--	--	69.62	23.33	12.06	87.94	10.30	4.80	0.123
1-2	1.50	--	--	--	--	65.11	24.70	6.97	93.03	11.05	4.34	0.086
2-4	3.00	--	--	--	--	65.83	29.92	4.36	95.64	10.85	4.35	0.069
4-6	5.00	--	--	--	--	59.16	33.15	7.58	92.42	10.52	4.30	0.072
6-8	7.00	1.46	0.64	--	0.55	56.57	27.43	13.13	86.87	10.08	4.83	0.124
8-10	9.00	1.64	0.72	--	0.57	55.92	24.08	21.13	78.87	9.31	3.64	0.110
10-12	11.00	1.57	0.66	--	0.53	57.78	23.73	20.12	79.88	9.45	4.92	0.086
12-14	13.00	1.46	0.71	--	0.51	51.30	20.95	27.47	72.53	8.88	4.85	0.128
14-16	15.00	1.42	0.70	--	0.47	51.08	22.59	31.99	68.01	9.54	5.20	0.135
16-18	17.00	1.52	0.67	--	0.55	55.97	26.01	18.62	81.38	8.78	4.63	0.135
18-20	19.00	1.63	0.79	--	0.62	51.59	20.93	20.84	79.16	9.07	4.31	0.139
20-22	21.00	1.66	0.79	--	0.52	52.38	24.96	33.83	66.17	8.09	3.20	0.109
22-24	23.00	1.67	0.88	--	0.61	47.00	21.98	30.81	69.19	6.69	3.59	0.105
24-26	25.00	1.53	0.82	--	0.57	46.38	25.07	31.06	68.94	6.94	3.54	0.121
26-28	27.00	1.64	0.88	--	0.67	46.75	23.24	23.49	76.51	7.72	4.07	0.106
28-30	29.00	1.81	1.02	--	0.54	43.63	25.61	47.28	52.72	5.52	4.18	0.109
30-32	31.00	1.78	1.02	--	0.78	42.60	25.48	23.85	76.15	5.36	3.99	0.124
32-34	33.00	1.70	0.76	--	0.59	55.30	29.17	22.37	77.63	7.51	4.39	0.120
34-36	35.00	1.69	0.96	--	0.79	43.29	24.76	17.39	82.61	5.33	4.52	0.120
36-38	37.00	1.65	0.94	--	0.85	43.38	24.27	9.45	90.55	8.10	4.40	0.115
38-40	39.00	1.74	0.94	--	0.71	46.15	25.18	23.97	76.03	6.50	4.95	0.134
40-42	41.00	1.68	0.96	--	0.84	43.31	23.67	12.14	87.86	6.76	3.94	0.115
42-44	43.00	1.71	0.93	--	0.84	45.56	26.19	9.94	90.06	7.33	3.90	0.134
44-46	45.00	1.65	0.81	--	0.68	50.54	27.50	16.32	83.68	5.34	3.17	0.109
46-48	47.00	1.78	0.95	--	0.78	46.85	25.73	18.19	81.81	5.71	3.51	0.092
48-50	49.00	1.87	1.05	--	0.89	43.96	28.46	15.31	84.69	5.91	3.74	0.086
50-52	51.00	1.66	0.97	--	0.80	41.74	25.89	17.27	82.73	5.93	3.58	0.113
52-54	53.00	1.84	1.15	--	0.96	37.52	21.41	16.96	83.04	5.14	3.45	0.094
54-56	55.00	1.74	1.04	--	0.84	40.06	24.09	19.50	80.50	4.55	3.46	0.087
56-58	57.00	1.83	1.06	--	0.89	41.96	22.92	16.27	83.73	5.52	3.25	0.102
58-60	59.00	1.74	1.04	--	0.89	40.21	24.91	14.18	85.82	5.69	3.38	0.136
60-62	61.00	1.78	1.05	--	0.86	41.09	24.62	17.82	82.18	5.54	3.46	0.083

62-64	63.00	1.78	1.10	--	0.83	38.25	21.97	24.21	75.79	4.41	3.27	0.073
64-66.1	65.00	1.88	1.16	--	0.87	38.19	26.13	24.65	75.35	4.73	3.31	0.075
66.1-68	67.00	1.91	1.17	--	0.93	38.92	26.24	20.69	79.31	4.54	3.22	0.076

*Data is for <0.062mm size fraction only.

Core ID: FB294 10B (SFWMD 10B)
Core Location: South Russell Bank, Florida Bay, Florida
Lat/Long: N 25.0641° W 80.6253°
Date Collected: February 28, 1994

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.0	1.64	0.73	0.73	0.73	55.24	8.88	1.02	98.98	6.31	5.33	0.121
2-4	3.0	1.75	0.93	1.67	0.92	46.83	8.99	0.97	99.03	5.54	5.24	0.120
4-6	5.0	1.63	0.88	2.55	0.88	45.83	9.65	0.25	99.75	6.35	5.72	0.136
6-8	7.0	1.71	0.95	3.50	0.95	44.39	9.62	0.26	99.74	5.87	5.31	0.120
8-10	9.0	1.73	0.92	4.42	0.91	46.50	9.22	1.03	98.97	6.13	4.87	0.131
10-12	11.0	1.54	0.81	5.23	0.80	47.15	9.27	2.13	97.87	5.71	4.56	0.053
12-14	13.0	1.61	0.87	6.10	0.87	46.10	9.89	0.34	99.66	5.91	4.76	0.048
14-16	15.0	1.91	1.06	7.16	1.05	44.56	9.06	0.91	99.09	5.92	4.88	0.042
16-18	17.0	1.54	0.90	8.07	0.90	41.47	9.51	0.30	99.70	4.93	4.83	0.165
18-20	19.0	1.84	1.10	9.17	1.09	40.15	8.61	1.36	98.64	5.14	4.61	0.115
20-22	21.0	1.67	0.79	9.96	0.78	52.82	8.50	0.69	99.31	4.90	4.27	0.106
22-24	23.0	1.69	0.96	10.91	0.95	43.43	8.66	0.97	99.03	4.72	4.79	0.122
24-26	25.0	1.70	0.97	11.88	0.96	43.24	9.50	0.38	99.62	4.96	4.53	0.114
26-28	27.0	1.74	0.98	12.86	0.98	43.41	9.00	0.43	99.57	4.76	4.83	0.112
28-30	29.0	1.67	0.91	13.77	0.91	45.70	9.10	0.21	99.79	5.30	4.25	0.132
30-32	31.0	1.65	0.93	14.70	0.93	43.82	8.38	0.24	99.76	5.33	4.14	0.155
32-34	33.0	1.78	1.01	15.71	1.01	43.42	8.23	0.13	99.87	5.29	4.65	0.107
34-36	35.0	1.67	0.97	16.68	0.97	42.00	9.47	0.19	99.81	5.74	3.99	0.087
36-38	37.0	1.62	0.89	17.58	0.89	44.80	9.45	0.12	99.88	5.58	4.78	0.126
38-40	39.0	1.63	0.89	18.47	0.89	45.23	8.40	0.13	99.87	5.36	4.32	0.055
40-42	41.0	1.66	0.93	19.39	0.93	44.07	8.21	0.23	99.77	6.09	4.41	0.038
42-44	43.0	1.63	0.90	20.30	0.90	44.68	8.13	0.32	99.68	5.33	3.92	0.044
44-46	45.0	1.70	0.96	21.26	0.96	43.59	8.59	0.22	99.78	4.94	3.92	0.058
46-48	47.0	1.76	1.00	22.25	1.00	43.26	9.17	0.21	99.79	5.50	4.02	0.042
48-50	49.0	1.67	0.91	23.17	0.91	45.52	9.78	0.28	99.72	4.74	3.82	0.110
50-52	51.0	1.59	0.88	24.04	0.88	44.70	8.58	0.08	99.92	5.13	4.22	0.035
52-54	53.0	1.63	0.91	24.96	0.91	43.97	9.05	0.40	99.60	5.37	4.09	0.037
54-56	55.0	1.59	0.86	25.82	0.86	45.75	9.20	0.17	99.83	4.75	3.33	0.120
56-58	57.0	1.62	0.87	26.69	0.87	46.22	8.79	0.15	99.85	4.74	3.80	0.155
58-60	59.0	1.65	0.90	27.59	0.89	45.60	7.48	0.88	99.12	5.35	2.77	0.036
60-62	61.0	1.64	0.90	28.49	0.89	45.30	8.82	1.41	98.59	5.11	3.53	0.108
62-64	63.0	1.58	0.86	29.35	0.84	45.85	9.16	1.81	98.19	5.12	2.60	0.032
64-66	65.0	1.68	0.88	30.23	0.83	47.24	8.86	5.71	94.29	4.76	2.69	0.031
66-68	67.0	1.60	0.88	31.11	0.82	45.13	11.80	6.80	93.20	4.75	3.31	0.060

68-70	69.0	1.66	0.90	32.01	0.82	45.52	10.68	9.55	90.45	5.10	2.52	0.115
70-72	71.0	1.63	0.96	32.97	0.84	41.28	10.11	12.19	87.81	5.33	2.70	0.073
72-74	73.0	1.68	0.97	33.94	0.82	42.50	9.68	14.63	85.37	4.55	2.86	0.069
74-76	75.0	1.68	0.97	34.91	0.72	42.26	9.40	25.74	74.26	4.55	2.67	0.072
76-78	77.0	1.73	1.01	35.92	0.76	41.39	8.53	25.05	74.95	4.52	2.58	0.062
78-80	79.0	1.66	0.94	36.86	0.70	43.18	8.73	25.37	74.63	4.34	2.46	0.063
80-82	81.0	1.69	0.96	37.82	0.85	43.48	8.99	10.82	89.18	4.76	2.71	0.064
82-84	83.0	1.61	0.89	38.71	0.82	44.49	9.13	7.54	92.46	5.14	2.39	0.054
84-86	85.0	1.72	0.98	39.69	0.85	42.77	8.94	13.15	86.85	4.92	2.46	0.052
86-88	87.0	1.74	1.02	40.71	0.90	41.23	8.08	11.93	88.07	4.73	2.33	0.049
88-90	89.0	1.67	0.95	41.67	0.86	42.89	8.67	9.88	90.12	4.74	2.53	0.059
90-92	91.0	1.67	0.92	42.59	0.85	44.69	9.44	8.34	91.66	4.96	2.40	0.107
92-94	93.0	1.59	0.85	43.43	0.80	46.76	10.33	5.92	94.08	4.93	2.25	0.061
94-96	95.0	1.64	0.87	44.31	0.84	46.92	11.14	3.35	96.65	5.52	2.41	0.057
96-98	97.0	1.66	0.88	45.19	0.86	46.75	9.97	2.42	97.58	5.37	2.26	0.062
98-100	99.0	1.68	0.92	46.11	0.88	45.19	10.03	4.19	95.81	6.09	2.27	0.053
100-102	101.0	1.67	0.90	47.02	0.87	45.98	10.48	3.78	96.22	5.52	2.26	0.061
102-104	103.0	1.69	0.98	47.99	0.91	42.33	8.98	6.98	93.02	5.54	2.13	0.030
104-106	105.0	1.74	1.02	49.01	0.93	41.30	8.22	8.31	91.69	4.93	1.96	0.031
106-108	107.0	1.71	0.99	50.00	0.97	41.98	8.96	1.94	98.06	4.94	2.09	0.029
108-110	109.0	1.67	0.98	50.98	0.97	41.34	8.02	1.29	98.71	4.92	1.92	0.031
110-112	111.0	1.69	0.95	51.93	0.92	43.59	9.93	3.77	96.23	5.14	1.93	0.029
112-114	113.0	1.61	0.94	52.87	0.92	41.59	9.27	2.36	97.64	5.13	2.10	0.029
114-116	115.0	1.68	0.98	53.86	0.97	41.34	8.71	1.14	98.86	4.90	2.04	0.023
116-118	117.0	1.79	1.06	54.91	1.04	40.88	9.64	1.91	98.09	5.13	1.97	0.028
118-120	119.0	1.74	1.00	55.91	0.99	42.42	9.40	0.86	99.14	4.94	1.97	0.030
120-122	121.0	1.73	1.02	56.93	1.01	41.32	9.75	0.37	99.63	5.14	1.93	0.027
122-124	123.0	1.77	1.04	57.97	1.03	40.82	9.76	1.14	98.86	4.97	2.11	0.035
124-126	125.0	1.75	1.02	59.00	1.01	41.32	11.10	1.56	98.44	5.49	1.86	0.027
126-128	127.0	1.76	1.03	60.03	1.02	41.46	9.62	0.75	99.25	5.34	1.91	0.026
128-130	129.0	1.76	1.03	61.05	1.02	41.75	10.01	0.41	99.59	4.74	1.87	0.047
130-132	131.0	1.75	1.04	62.09	1.03	40.73	9.86	0.55	99.45	4.56	1.89	0.051
132-134	133.0	1.77	1.04	63.13	1.01	41.28	9.64	2.63	97.37	4.32	1.90	0.052
134-136	135.0	1.81	1.12	64.25	0.98	38.30	9.75	12.30	87.70	4.51	1.88	0.051

*Data is for <0.062mm size fraction only.

**Data provided by Mike Bothner, USGS, Wood's Hole, MA.

Core ID: FB294 11A (SFWMD 11A)

Core Location: Johnson Key, Florida Bay, Florida

Lat/Long: N 25.0517° W 80.9065°

Date Collected: February 29, 1994

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.0	--	--	--	--	73.72	14.21	35.96	64.04	17.10	4.33	0.076
2-7	5.0	1.18	0.34	--	0.26	70.96	17.97	24.40	75.60	16.60	4.13	0.078

7-12	10.0	1.31	0.38	--	0.26	71.34	14.87	31.32	68.68	13.52	2.89	0.057
12-17	15.0	1.38	0.48	--	0.35	64.85	11.48	28.56	71.44	15.87	3.71	0.074
17-22	18.0	1.45	0.56	--	0.38	61.69	10.80	31.78	68.22	11.22	2.41	0.046
22-27	25.0	1.47	0.63	--	0.39	57.23	9.56	38.57	61.43	9.94	2.44	0.051
27-32	28.0	1.62	0.86	--	0.37	46.81	6.57	56.56	43.44	8.15	1.93	0.038
32-37	35.0	1.80	0.99	--	0.37	45.01	6.37	62.72	37.28	7.13	2.15	0.042
37-42	40.0	1.66	0.93	--	0.51	44.00	8.07	45.28	54.72	7.10	2.10	0.056
42-47	45.0	1.79	1.01	--	0.65	43.33	9.84	35.54	64.46	6.56	2.27	0.073
47-52	50.0	1.71	0.97	--	0.56	43.05	10.83	42.63	57.37	6.37	2.34	0.054
52-57	55.0	1.67	0.97	--	0.72	42.24	11.80	25.17	74.83	5.74	2.07	0.055
57-62	60.0	1.79	1.01	--	0.69	43.29	11.65	32.30	67.70	5.56	2.44	0.057
62-67	65.0	1.60	0.89	--	0.58	44.41	11.58	34.94	65.06	5.54	2.49	0.057
67-72	70.0	1.70	0.97	--	0.67	43.02	11.31	30.50	69.50	6.15	2.70	0.069
72-77	75.0	1.65	0.92	--	0.79	44.05	13.30	14.38	85.62	5.33	2.86	0.067
77-82	80.0	1.84	1.03	--	0.84	44.28	13.06	18.60	81.40	5.14	2.59	0.057
82-87	85.0	1.74	0.99	--	0.87	42.91	12.38	11.96	88.04	5.59	3.17	0.073
87-92	90.0	1.72	0.99	--	0.87	42.37	12.23	12.80	87.20	5.31	3.63	0.073
92-97	95.0	1.81	1.04	--	0.79	42.77	11.25	24.28	75.72	5.30	3.23	0.060
97-102	100.0	1.72	0.99	--	0.84	42.49	13.69	15.61	84.39	5.13	3.06	0.063
102-107	105.0	1.73	0.99	--	0.84	42.87	13.26	14.46	85.54	4.34	3.24	0.082
107-112	110.0	1.78	1.04	--	0.89	41.75	12.98	13.98	86.02	4.16	3.40	0.109
112-117	115.0	1.86	1.12	--	0.97	39.56	11.86	13.92	86.08	4.16	3.70	0.091
117-122	120.0	1.71	1.02	--	0.96	40.34	13.06	5.99	94.01	4.57	3.52	0.078
122-127	125.0	1.78	1.08	--	1.04	39.64	13.43	3.48	96.52	4.54	3.80	0.073
127-132	130.0	1.80	1.05	--	0.95	41.30	11.79	10.38	89.62	4.33	3.46	0.075
132-137	135.0	1.76	0.98	--	0.75	44.12	14.99	24.12	75.88	4.55	4.73	0.118
137-142	140.0	1.62	0.80	--	0.71	50.58	21.09	11.83	88.17	5.91	6.23	0.151

*Data is for <0.062mm size fraction only.

Core ID: FB594 24

Core Location: Mouth of Taylor Creek, Little Madeira Bay, Florida Bay, Florida

Lat/Long: N 25.190° W 80.6393°

Date Collected: May 1, 1994

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.0	2.90	1.62	1.62	1.02	44.13	11.32	37.09	62.91	6.71	4.87	0.098
2-4	3.0	2.85	1.38	3.00	0.87	51.57	12.77	36.86	63.14	5.71	4.55	0.108
4-6	5.0	3.60	1.84	4.85	1.18	48.80	11.64	36.12	63.88	7.31	4.95	0.150
6-8	7.0	2.96	1.56	6.41	0.82	47.29	10.98	47.33	52.67	6.56	5.91	0.131
8-10	9.0	3.88	2.18	8.59	1.02	43.86	10.44	53.01	46.99	6.94	4.91	0.097
10-12	11.0	3.43	1.97	10.56	1.09	42.59	8.99	44.77	55.23	6.14	4.24	0.053
12-14	13.0	4.27	2.43	12.98	1.20	43.25	10.50	50.34	49.66	6.31	4.46	0.079
14-16	15.0	3.58	2.14	15.12	1.25	40.26	8.28	41.51	58.49	7.33	4.59	0.088
16-18	17.0	4.04	2.41	17.52	1.75	40.39	10.03	27.15	72.85	6.96	3.72	0.095
18-20	19.0	3.61	2.10	19.63	1.49	41.84	10.75	28.93	71.07	6.92	3.31	0.087

20-22	21.0	3.79	2.24	21.87	1.44	40.90	11.64	35.54	64.46	5.96	3.41	0.081
22-24	23.0	3.07	1.80	23.67	1.18	41.36	11.08	34.35	65.65	6.09	3.03	0.087
24-26	25.0	3.33	1.97	25.64	1.10	40.91	10.61	43.88	56.12	6.34	3.20	0.080
26-28	27.0	3.56	2.09	27.73	1.10	41.16	10.08	47.36	52.64	7.57	3.43	0.081
28-30	29.0	3.87	2.37	30.10	0.97	38.77	7.76	59.24	40.76	6.71	3.00	0.062
30-32	31.0	3.53	2.15	32.25	0.96	38.96	7.29	55.23	44.77	6.16	3.01	0.072
32-34	33.0	3.70	2.16	34.42	1.15	41.48	10.37	46.72	53.28	5.93	3.07	0.036
34-36	35.0	3.76	2.26	36.68	1.16	39.89	10.03	48.53	51.47	5.95	2.90	0.036
36-38	37.0	4.11	2.54	39.22	1.00	38.21	8.53	60.62	39.38	5.74	2.85	0.038
38-40A	39.0	3.87	2.43	41.64	1.32	37.24	8.48	45.55	54.45	5.14	2.87	0.037
38-40B	39.0	--	--	--	--	--	--	--	--	4.74	2.62	0.031
40-42	41.0	4.57	2.91	44.55	1.86	36.34	8.63	36.07	63.93	5.30	2.68	0.028
42-44	43.0	3.68	2.27	46.82	1.65	38.32	9.82	27.55	72.45	3.97	2.77	0.029
44-46	45.0	3.63	2.18	49.00	1.63	39.94	10.07	25.08	74.92	4.17	2.78	0.041
46-48	47.0	4.10	2.52	51.53	1.94	38.40	9.50	23.13	76.87	3.56	2.79	0.042
48-50	49.0	3.55	2.23	53.76	1.62	37.05	9.63	27.36	72.64	4.53	2.80	0.032
50-52	51.0	4.64	3.02	56.78	2.29	35.02	8.95	24.12	75.88	3.97	2.85	0.050
52-54	53.0	4.10	2.66	59.44	2.04	35.03	8.89	23.33	76.67	3.93	2.86	0.035
54-56	55.0	4.51	2.92	62.36	2.16	35.30	9.42	26.01	73.99	3.37	3.08	0.040
56-58	57.0	4.06	2.63	65.00	1.91	35.08	9.10	27.56	72.44	3.16	2.90	0.031
58-60	59.0	3.97	2.57	67.57	1.86	35.19	8.77	27.56	72.44	2.95	2.76	0.033
60-62	61.0	4.16	2.74	70.31	2.02	34.10	8.72	26.10	73.90	4.94	3.12	0.063
62-64	63.0	4.78	3.05	73.35	2.01	36.34	9.81	34.03	65.97	4.55	3.67	0.079
64-66	65.0	4.28	2.73	76.08	1.65	36.24	9.90	39.64	60.36	4.14	3.31	0.064
66-68	67.0	4.37	2.79	78.87	2.03	36.09	9.89	27.12	72.88	3.77	3.01	0.066
68-70	69.0	3.32	2.13	81.00	1.58	35.87	10.00	25.80	74.20	4.15	3.05	0.059
70-72	71.0	4.49	2.66	83.65	1.76	40.90	10.24	33.84	66.16	5.12	3.14	0.062
72-74	73.0	4.63	2.87	86.52	1.74	38.08	9.17	39.25	60.75	4.77	3.21	0.058
74-76	75.0	4.17	2.58	89.10	1.90	38.03	9.37	26.30	73.70	4.33	2.97	0.054
76-78	77.0	4.46	2.71	91.82	2.07	39.16	9.37	23.50	76.50	3.94	2.54	0.063
78-80	79.0	3.85	2.33	94.15	1.91	39.41	8.53	18.34	81.66	4.12	2.19	0.066
80-82	81.0	4.23	2.55	96.70	2.18	39.62	7.78	14.56	85.44	4.35	1.88	0.050
82-84	83.0	4.17	2.49	99.19	2.21	40.42	7.48	11.10	88.90	3.94	1.41	0.052
84-86	85.0	4.56	2.68	101.87	2.58	41.13	4.86	3.74	96.26	3.34	0.81	0.025

*Data is for <0.062mm size fraction only.

Core ID: FB295 12B
Core Location: Porjoe Key, Florida Bay, Florida
Lat/Long: N 25.1341° W 80.4737°
Date Collected: February 21, 1995

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.0	1.18	0.29	--	0.28	75.71	12.23	2.41	97.59	10.06	5.16	0.094
2-4	3.0	1.34	0.38	--	0.38	71.49	11.32	1.62	98.38	8.98	3.55	0.086
4-6	5.0	1.36	0.43	--	0.42	68.21	12.43	1.76	98.24	9.80	4.84	0.113

6-8	7.0	1.40	0.47	--	0.46	66.12	10.95	2.44	97.56	9.52	5.54	0.089
8-10	9.0	1.44	0.51	--	0.48	64.42	10.55	5.09	94.91	8.93	5.43	0.113
10-12	11.0	1.48	0.57	--	0.54	61.57	10.92	5.09	94.91	8.98	4.77	0.086
12-14	13.0	1.47	0.61	--	0.56	58.90	10.73	7.18	92.82	8.93	5.36	0.124
14-16	15.0	1.50	0.62	--	0.54	58.63	10.43	12.03	87.97	8.93	4.41	0.157
16-18	17.0	1.50	0.59	--	0.49	60.63	9.91	17.42	82.58	8.89	4.80	0.176
18-20	19.0	1.53	0.62	--	0.48	59.79	9.88	21.67	78.33	9.11	5.42	0.176
20-22	21.0	--	--	--	--	56.92	8.88	27.09	72.91	8.35	4.24	0.128
22-24	23.0	--	--	--	--	52.26	8.03	26.58	73.42	7.75	4.13	0.130
24-26	25.0	1.57	0.74	--	0.54	53.04	9.46	26.30	73.70	7.16	3.89	0.082
26-28	27.0	1.47	0.68	--	0.52	54.20	9.73	23.41	76.59	6.94	3.41	0.077
28-30	29.0	1.49	0.70	--	0.56	53.00	10.23	20.30	79.70	7.19	2.71	0.077
30-32	31.0	1.58	0.73	--	0.63	53.97	10.46	13.72	86.28	7.54	2.26	0.065
32-34	33.0	1.59	0.71	--	0.63	55.18	10.69	11.43	88.57	6.99	2.19	0.062
34-36	35.0	1.47	0.65	--	0.58	55.65	11.48	10.91	89.09	6.93	2.05	0.071
36-38	37.0	1.53	0.68	--	0.61	55.97	11.35	9.64	90.36	8.13	2.13	0.050
38-40	39.0	1.51	0.66	--	0.61	56.38	11.58	7.21	92.79	8.57	2.08	0.059
40-42	41.0	1.55	0.66	--	0.61	57.55	11.67	7.40	92.60	9.00	2.05	0.033
42-44	43.0	1.52	0.65	--	0.62	57.15	11.41	5.27	94.73	8.76	2.09	0.036
44-46	45.0	1.56	0.69	--	0.65	55.83	10.98	5.29	94.71	8.96	1.79	0.037
46-48	47.0	1.49	0.64	--	0.60	56.74	11.57	6.67	93.33	8.78	2.00	0.053
48-50	49.0	1.52	0.68	--	0.64	55.43	10.88	5.84	94.16	8.76	1.65	0.033
50-52	51.0	1.56	0.70	--	0.67	55.12	11.01	4.47	95.53	8.76	1.98	0.060
52-54	53.0	1.56	0.69	--	0.63	55.80	10.96	8.00	92.00	8.73	1.70	0.058
54-56	55.0	1.54	0.66	--	0.59	57.05	10.62	9.95	90.05	9.00	1.65	0.053
56-58	57.0	1.54	0.66	--	0.61	57.06	11.16	7.40	92.60	9.40	1.81	0.056
58-60	59.0	1.50	0.66	--	0.63	56.13	11.18	5.26	94.74	9.60	1.64	0.073
60-62	61.0	1.45	0.65	--	0.61	55.41	11.21	5.37	94.63	9.33	1.82	0.047
62-64	63.0	1.45	0.65	--	0.61	54.93	11.34	5.76	94.24	9.00	1.79	0.053
64-66	65.0	1.57	0.70	--	0.67	55.13	11.36	5.36	94.64	8.71	1.89	0.059
66-68	67.0	1.54	0.71	--	0.67	54.09	10.61	4.84	95.16	8.12	1.60	0.050
68-70	69.0	1.63	0.76	--	0.72	53.22	10.34	6.05	93.95	7.98	1.78	0.067
70-72	71.0	1.55	0.75	--	0.70	51.61	9.93	5.97	94.03	8.35	1.69	0.069
72-74	73.0	1.65	0.81	--	0.76	50.77	10.33	6.07	93.93	8.00	1.71	0.060
74-76	75.0	1.62	0.82	--	0.76	49.40	10.04	7.68	92.32	7.97	1.76	0.061
76-78	77.0	1.64	0.83	--	0.75	49.61	9.98	9.09	90.91	8.18	1.63	0.059
78-80	79.0	1.59	0.81	--	0.73	49.04	10.20	10.08	89.92	7.88	1.88	0.071
80-82	81.0	1.69	0.88	--	0.77	47.76	10.45	12.62	87.38	7.40	1.58	0.056
82-84	83.0	1.58	0.85	--	0.70	46.27	9.75	17.88	82.12	7.33	1.69	0.064
84-86	85.0	1.69	0.94	--	0.73	44.28	9.78	22.22	77.78	8.18	1.69	0.054
86-88	87.0	1.76	0.98	--	0.80	44.37	9.62	18.67	81.33	7.55	1.65	0.052
88-90	89.0	1.53	0.84	--	0.71	44.72	9.10	16.33	83.67	7.19	1.59	0.054
90-92	91.0	1.70	0.92	--	0.80	45.69	9.48	13.20	86.80	7.19	1.81	0.055
92-94	93.0	1.70	0.91	--	0.81	46.60	9.66	10.43	89.57	7.19	1.61	0.053
94-96	95.0	1.66	0.88	--	0.79	47.14	9.27	10.16	89.84	7.40	1.72	0.051
96-98	97.0	1.73	0.92	--	0.81	46.79	9.60	12.77	87.23	7.37	1.79	0.063
98-100	99.0	1.59	0.85	--	0.73	46.58	8.85	14.70	85.30	7.36	1.62	0.052
100-102	101.0	1.77	0.98	--	0.79	44.89	8.54	19.45	80.55	6.77	1.86	0.063
102-104	103.0	1.82	1.01	--	0.78	44.47	8.20	22.72	77.28	6.57	1.63	0.059

104-106	105.0	1.54	0.85	--	0.67	44.65	8.05	20.77	79.23	7.19	1.81	0.071
106-108	107.0	1.74	0.96	--	0.79	44.81	7.86	17.86	82.14	7.39	1.56	0.065
108-110	109.0	1.72	0.96	--	0.79	44.48	8.93	17.73	82.27	7.19	1.54	0.053
110-112	111.0	1.74	1.00	--	0.80	42.36	9.32	20.02	79.98	7.20	1.43	0.066

*Data is for <0.062mm size fraction only.

Core ID: FB295 12D
Core Location: Porjoe Key, Florida Bay, Florida
Lat/Long: N 25.1341° W 80.4737°
Date Collected: February 21, 1995

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.0	--	--	--	--	74.41	11.66	1.20	98.80	10.40	4.85	0.099
2-4	3.0	1.35	0.39	--	0.39	70.79	11.74	1.08	98.92	10.40	5.28	0.098
4-6	5.0	1.46	0.48	--	0.47	67.16	12.28	2.05	97.95	9.98	4.87	0.105
6-8	7.0	1.38	0.50	--	0.48	63.67	11.05	4.58	95.42	9.13	5.25	0.096
8-10	9.0	1.52	0.61	--	0.56	59.97	10.26	8.54	91.46	8.80	4.93	0.091
10-12	11.0	1.36	0.53	--	0.49	61.18	11.06	6.19	93.81	9.34	4.26	0.076
12-14	13.0	1.54	0.58	--	0.52	62.62	11.33	9.06	90.94	9.76	5.28	0.139
14-16	15.0	1.47	0.54	--	0.46	63.20	10.50	15.20	84.80	9.76	4.87	0.131
16-18	17.0	1.45	0.58	--	0.49	59.95	9.98	14.88	85.12	8.98	4.09	0.143
18-20	19.0	1.58	0.65	--	0.52	59.27	9.19	19.60	80.40	8.40	4.30	0.123
20-22	21.0	1.54	0.65	--	0.48	57.70	8.11	26.20	73.80	8.80	4.10	0.118
22-24	23.0	1.49	0.67	--	0.46	54.95	9.03	31.45	68.55	8.15	3.61	0.126
24-26	25.0	1.59	0.80	--	0.53	49.89	8.45	33.41	66.59	7.55	3.18	0.090
26-28	27.0	1.52	0.72	--	0.55	52.79	9.71	24.00	76.00	7.80	3.07	0.051
28-30	29.0	1.57	0.71	--	0.60	54.61	9.77	16.37	83.63	7.75	2.76	0.076
30-32	31.0	1.62	0.69	--	0.59	57.44	10.65	14.83	85.17	7.58	2.91	0.073
32-34	33.0	1.43	0.66	--	0.56	53.89	10.06	14.98	85.02	7.75	2.24	0.067
34-36	35.0	1.48	0.68	--	0.58	54.45	10.24	14.94	85.06	8.13	2.03	0.082
36-38	37.0	1.48	0.64	--	0.55	56.64	10.73	14.54	85.46	8.53	1.99	0.071
38-40	39.0	1.57	0.66	--	0.62	57.94	11.68	6.52	93.48	9.38	4.94	0.148
40-42	41.0	1.52	0.64	--	0.60	57.68	11.58	6.93	93.07	8.35	2.19	0.067
42-44	43.0	1.54	0.67	--	0.63	56.78	11.38	5.90	94.10	7.98	1.90	0.070
44-46	45.0	1.44	0.63	--	0.59	56.04	10.87	6.55	93.45	7.97	2.08	0.061
46-48	47.0	1.56	0.71	--	0.68	54.57	11.10	4.42	95.58	8.18	1.78	0.054
48-50	49.0	1.60	0.75	--	0.68	53.41	10.44	8.39	91.61	8.18	5.73	0.160
50-52	51.0	1.51	0.70	--	0.61	54.05	10.33	12.61	87.39	8.37	2.71	0.085
52-54	53.0	1.52	0.69	--	0.59	54.98	10.73	13.41	86.59	8.53	2.99	0.107
54-56	55.0	1.48	0.65	--	0.61	55.78	11.20	6.86	93.14	8.55	3.62	0.148
56-58	57.0	1.48	0.67	--	0.62	55.13	12.40	6.55	93.45	8.60	1.85	0.053
58-60	59.0	1.50	0.67	--	0.63	55.57	11.58	5.07	94.93	8.98	2.08	0.061
60-62	61.0	1.54	0.71	--	0.67	53.97	11.04	5.31	94.69	9.15	1.66	0.055
62-64	63.0	1.52	0.70	--	0.66	53.97	11.53	5.46	94.54	8.73	1.67	0.045
64-66	65.0	1.49	0.68	--	0.65	54.21	11.56	4.78	95.22	8.35	1.99	0.064

66-68	67.0	1.70	0.81	--	0.77	52.31	10.63	4.78	95.22	7.75	2.56	0.104
68-70	69.0	1.50	0.74	--	0.69	50.87	9.79	6.08	93.92	7.57	1.59	0.056
70-72	71.0	1.58	0.79	--	0.74	50.40	9.74	5.89	94.11	6.60	2.06	0.078
72-74	73.0	1.70	0.84	--	0.79	50.37	10.12	6.02	93.98	7.19	1.90	0.071
74-76	75.0	1.73	0.87	--	0.83	49.56	9.72	4.79	95.21	6.80	1.79	0.058
76-78	77.0	1.77	0.89	--	0.82	49.99	10.15	7.26	92.74	6.80	1.62	0.049
78-80	79.0	1.63	0.83	--	0.77	49.18	9.42	7.23	92.77	7.37	1.87	0.091
80-82	81.0	1.73	0.88	--	0.79	48.99	9.14	10.88	89.12	6.93	2.07	0.070
82-84	83.0	1.84	0.97	--	0.87	47.25	9.38	10.84	89.16	7.36	1.88	0.057
84-86	85.0	1.80	0.96	--	0.83	46.60	9.14	13.20	86.80	7.14	1.72	0.050
86-88	87.0	1.68	0.92	--	0.75	45.44	8.98	17.71	82.29	6.79	1.64	0.047
88-90	89.0	1.82	0.98	--	0.81	45.95	9.73	17.60	82.40	6.57	1.74	0.057
90-92	91.0	1.67	0.89	--	0.82	47.12	9.38	7.90	92.10	6.75	1.66	0.066
92-94	93.0	1.77	0.93	--	0.85	47.47	9.04	8.09	91.91	6.80	1.55	0.058
94-96	95.0	1.87	1.01	--	0.90	46.21	8.76	10.95	89.05	7.16	1.78	0.072
96-98	97.0	2.05	1.14	--	0.93	44.27	7.58	18.49	81.51	6.96	1.74	0.056

*Data is for <0.062mm size fraction only.

Core ID: FB295 13A
Core Location: Trout Creek, Florida Bay, Florida
Lat/Long: N 25.2091° W 80.5332°
Date Collected: February 22, 1995

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.0	--	--	--	--	53.52	8.78	37.28	62.72	7.57	6.20	0.251
2-4	3.0	--	--	--	--	51.18	8.90	43.40	56.60	7.34	6.19	0.281
4-6	5.0	--	--	--	--	47.74	6.60	35.57	64.43	8.64	6.58	0.276
6-8	7.0	--	--	--	--	48.79	8.44	32.02	67.98	7.36	6.31	0.260
8-10	9.0	--	--	--	--	46.30	8.64	33.56	66.44	7.51	5.49	0.183
10-12	11.0	--	--	--	--	46.94	8.47	41.02	58.98	7.58	4.79	0.208
12-14	13.0	1.74	0.97	--	0.57	44.47	8.66	40.72	59.28	6.94	5.63	0.217
14-16	15.0	1.79	1.04	--	0.57	41.77	7.53	45.39	54.61	7.33	4.56	0.169
16-18	17.0	1.73	0.99	--	0.62	42.89	6.94	36.95	63.05	6.35	4.60	0.268
18-20	19.0	1.68	0.97	--	0.62	42.41	8.37	35.77	64.23	6.52	4.16	0.222
20-22	21.0	1.76	1.00	--	0.71	43.15	8.53	29.09	70.91	6.36	3.00	0.052
22-24	23.0	1.77	1.02	--	0.71	42.43	9.24	30.58	69.42	6.71	3.00	0.136
24-26	25.0	1.64	0.93	--	0.66	43.49	9.00	29.33	70.67	6.32	2.56	0.163
26-28	27.0	1.80	1.06	--	0.81	41.21	8.61	23.03	76.97	5.99	2.38	0.117
28-30	29.0	1.79	1.06	--	0.82	41.15	7.31	22.68	77.32	5.95	2.32	0.124
30-32	31.0	1.77	1.06	--	0.82	40.00	9.69	22.86	77.14	5.56	2.35	0.120
32-34	33.0	1.79	1.08	--	0.73	39.74	8.75	32.61	67.39	5.35	2.42	0.110
34-36	35.0	1.88	1.08	--	0.85	42.84	8.49	21.08	78.92	5.78	2.19	0.108
36-38	37.0	1.75	1.01	--	0.84	42.01	9.42	17.48	82.52	5.77	2.71	0.118
38-40	39.0	1.58	0.90	--	0.31	43.09	8.94	65.02	34.98	5.75	2.61	0.108
40-42	41.0	1.62	0.95	--	0.80	41.16	8.80	15.54	84.46	5.72	2.66	0.105

42-44	43.0	1.76	1.00	--	0.90	43.01	8.84	10.74	89.26	5.14	2.41	0.074
44-46	45.0	1.85	1.12	--	1.01	39.57	8.06	9.26	90.74	5.34	2.74	0.085
46-48	47.0	1.83	1.10	--	0.90	39.80	8.80	18.55	81.45	5.53	2.53	0.115
48-50	49.0	1.88	1.13	--	0.94	39.96	8.13	16.61	83.39	5.19	2.39	0.105
50-52	51.0	1.86	1.15	--	0.92	37.77	6.75	20.17	79.83	5.14	2.98	0.107
52-54	53.0	1.87	1.17	--	0.91	37.35	7.17	22.79	77.21	5.16	2.33	0.052
54-56	55.0	1.87	1.19	--	0.79	36.31	7.74	33.65	66.35	4.77	2.56	0.100
56-58	57.0	1.94	1.24	--	0.93	35.76	7.72	25.42	74.58	4.57	2.47	0.115
58-60	59.0	1.98	1.24	--	0.96	37.15	7.40	22.80	77.20	4.35	2.39	0.089
60-62	61.0	1.89	1.24	--	0.79	34.40	8.07	36.53	63.47	4.15	2.44	0.097
62-64	63.0	1.97	1.27	--	0.98	35.45	7.40	23.13	76.87	4.15	2.78	0.092
64-66	65.0	1.97	1.25	--	1.03	36.58	8.21	17.57	82.43	4.17	2.91	0.098
66-68	67.0	1.86	1.20	--	0.96	35.20	7.68	20.35	79.65	3.93	2.73	0.094
68-70	69.0	1.97	1.32	--	0.85	33.11	8.16	35.14	64.86	4.36	2.76	0.093
70-72	71.0	1.96	1.33	--	0.86	32.17	8.70	34.92	65.08	4.98	2.81	0.090
72-74	73.0	--	--	--	--	30.03	8.82	38.38	61.62	4.14	3.12	0.099

*Data is for <0.062mm size fraction only.

Core ID: FB295 14B
Core Location: Little Madeira Bay, Florida Bay, Florida
Lat/Long: N 25.1774° W 80.6241°
Date Collected: February 22, 1995

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.0	--	--	--	--	54.14	7.21	20.91	79.09	5.34	3.71	0.062
2-4	3.0	1.57	0.85	--	0.57	46.16	7.45	32.42	67.58	4.88	3.53	0.065
4-6	5.0	1.69	0.98	--	0.81	42.13	10.00	16.85	83.15	4.63	3.67	0.080
6-8	7.0	1.83	1.08	--	0.90	40.77	8.99	16.66	83.34	4.80	3.67	0.070
8-10	9.0	1.69	0.97	--	0.85	42.49	8.86	12.36	87.64	4.20	3.29	0.065
10-12	11.0	1.70	0.98	--	0.88	42.18	9.95	10.17	89.83	3.93	2.89	0.050
12-14	13.0	1.69	0.94	--	0.86	44.71	9.43	8.61	91.39	6.28	2.93	0.052
14-16	15.0	1.67	0.88	--	0.78	47.24	9.06	11.25	88.75	4.24	3.12	0.059
16-18	17.0	1.75	0.91	--	0.82	47.87	9.11	10.09	89.91	4.16	3.03	0.065
18-20	19.0	1.76	0.97	--	0.88	44.86	8.86	9.73	90.27	6.65	2.64	0.050
20-22	21.0	1.77	1.00	--	0.89	43.63	8.98	10.98	89.02	4.09	2.50	0.062
22-24	23.0	1.88	1.07	--	0.83	43.41	8.28	21.77	78.23	4.45	2.55	0.064
24-26	25.0	1.78	0.97	--	0.91	45.40	9.39	6.71	93.29	4.41	2.36	0.048
26-28	27.0	1.73	0.97	--	0.91	44.20	10.34	6.25	93.75	4.35	2.46	0.049
28-30	29.0	1.95	1.08	--	1.04	44.41	9.34	3.88	96.12	4.26	2.41	0.052
30-32	31.0	1.88	1.04	--	0.98	44.81	10.02	5.25	94.75	4.78	2.56	0.052
32-34	33.0	1.72	0.96	--	0.93	44.18	9.72	3.40	96.60	4.79	2.26	0.050
34-36	35.0	2.02	1.13	--	1.08	44.18	9.61	4.12	95.88	4.80	--	--
36-38	37.0	1.85	1.01	--	0.94	45.40	9.88	6.89	93.11	4.89	2.31	0.044
38-40	39.0	1.73	0.90	--	0.83	47.65	9.54	8.08	91.92	6.64	2.53	0.042
40-42	41.0	1.74	0.92	--	0.87	47.16	9.61	5.64	94.36	5.01	2.40	0.051

42-44	43.0	1.68	0.89	--	0.84	46.83	10.11	6.69	93.31	4.96	2.69	0.058
44-46	45.0	1.76	0.96	--	0.85	45.46	9.40	11.44	88.56	5.03	2.69	0.053
46-48	47.0	1.76	0.97	--	0.89	44.74	9.87	8.13	91.87	4.14	2.56	0.041
48-50	49.0	1.78	1.01	--	0.93	43.07	9.68	7.97	92.03	4.26	2.50	0.031
50-52	51.0	1.83	1.09	--	1.01	40.39	10.11	7.59	92.41	10.93	2.40	0.035
52-54	53.0	1.80	1.08	--	0.96	40.10	8.93	10.38	89.62	4.53	2.35	0.035
54-56	55.0	1.98	1.19	--	1.06	39.92	9.56	11.10	88.90	3.73	2.49	0.038
56-58	57.0	1.90	1.14	--	1.06	39.86	9.15	7.38	92.62	3.93	2.36	0.035
58-60	59.0	1.79	1.06	--	0.97	40.78	9.34	8.23	91.77	3.65	2.28	0.027
60-62	61.0	1.86	1.12	--	1.06	39.79	9.48	5.16	94.84	3.72	2.49	0.025
62-64	63.0	1.96	1.18	--	1.12	39.99	9.47	4.38	95.62	4.02	2.40	0.030
64-66	65.0	1.77	1.07	--	1.02	39.40	9.90	4.41	95.59	5.60	2.53	0.025
66-68	67.0	1.87	1.12	--	1.06	40.29	9.49	5.07	94.93	5.27	2.15	0.026
68-70	69.0	1.87	1.13	--	1.04	39.89	8.94	7.28	92.72	2.99	2.38	0.029
70-72	71.0	1.78	1.06	--	0.93	40.61	8.54	12.20	87.80	3.12	2.43	0.022
72-74	73.0	1.88	1.15	--	0.93	39.01	8.10	18.99	81.01	5.12	1.91	0.026
74-76	75.0	1.90	1.17	--	0.93	38.50	7.89	19.90	80.10	5.43	2.41	0.030
76-78	77.0	1.95	1.21	--	0.93	37.96	7.35	23.04	76.96	--	--	--
78-80	79.0	1.93	1.18	--	0.89	38.80	7.45	24.49	75.51	5.11	2.27	0.039
80-82	81.0	1.91	1.17	--	0.85	39.01	7.10	27.24	72.76	5.37	2.10	0.033
82-84	83.0	1.86	1.13	--	0.87	39.06	7.34	22.82	77.18	5.33	2.47	0.035
84-86	85.0	1.90	1.16	--	0.79	38.84	6.44	32.36	67.64	5.57	2.81	0.047
86-88	87.0	2.02	1.26	--	0.78	37.74	6.33	38.07	61.93	5.40	2.83	0.036
88-90	89.0	1.94	1.24	--	0.80	36.07	6.72	35.27	64.73	5.43	2.56	0.028
90-92	91.0	1.95	1.24	--	0.85	36.27	7.03	31.52	68.48	5.28	2.61	0.037
92-94	93.0	1.81	1.14	--	0.86	37.07	7.90	24.78	75.22	4.92	2.90	0.036
94-96	95.0	1.96	1.22	--	0.89	37.66	7.72	27.26	72.74	5.61	2.96	0.042
96-98	97.0	1.89	1.19	--	0.89	37.11	7.72	25.23	74.77	4.95	3.05	0.041
98-100	99.0	1.85	1.12	--	0.88	39.43	8.95	21.32	78.68	6.35	3.19	0.038
100-102	101.0	1.84	1.11	--	0.87	39.63	9.09	21.55	78.45	6.67	3.31	0.037
102-104	103.0	1.99	1.19	--	0.82	40.37	8.36	30.87	69.13	6.65	3.29	0.037
104-106	105.0	1.79	1.04	--	0.72	41.98	7.59	30.38	69.62	5.68	3.09	0.081
106-108	107.0	1.74	1.02	--	0.71	41.77	7.96	30.20	69.80	5.15	2.97	0.113

*Data is for <0.062mm size fraction only.
ND = Not Detected

Core ID: FB295 16B
Core Location: Crocodile Point, Florida Bay, Florida
Lat/Long: N 25.1387° W 80.7281°
Date Collected: February 23, 1995

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-1	0.5	1.11	0.17	0.17	0.16	84.37	15.65	9.92	90.08	16.14	6.31	0.134
1-2	1.5	1.31	0.25	0.42	0.24	81.00	14.54	1.70	98.30	16.04	5.78	0.106
2-3	2.5	1.20	0.23	0.65	0.23	80.71	16.22	1.59	98.41	15.90	5.61	0.085

3-4	3.5	1.16	0.22	0.88	0.22	80.93	16.67	1.44	98.56	16.57	6.83	0.122
4-5	4.5	1.33	0.27	1.14	0.27	79.78	17.81	0.97	99.03	17.13	5.76	0.088
5-6	5.5	1.01	0.21	1.35	0.21	79.19	17.06	1.05	98.95	16.87	5.88	0.102
6-7	6.5	1.30	0.29	1.64	0.28	77.65	15.96	2.34	97.66	17.13	5.65	0.107
7-8	7.5	1.25	0.29	1.93	0.28	77.08	16.18	2.61	97.39	16.90	5.83	0.110
8-9	8.5	1.30	0.29	2.22	0.27	77.94	18.71	4.05	95.95	17.37	6.20	0.087
9-10	9.5	1.31	0.30	2.52	0.28	77.05	16.43	6.09	93.91	22.42	6.62	0.088
10-11	10.5	1.33	0.33	2.85	0.30	75.02	15.44	11.33	88.67	16.77	6.27	0.139
11-12	11.5	1.27	0.35	3.20	0.31	72.29	15.38	12.23	87.77	16.90	6.90	0.111
12-13	12.5	1.39	0.40	3.60	0.35	70.87	15.93	12.54	87.46	16.33	6.21	0.102
13-14	13.5	1.34	0.39	4.00	0.36	70.63	16.44	8.11	91.89	16.17	6.23	0.094
14-15	14.5	1.39	0.42	4.42	0.39	69.65	17.22	6.96	93.04	15.48	5.97	0.092
15-16	15.5	1.33	0.42	4.84	0.39	68.19	16.91	7.96	92.04	15.08	6.36	0.086
16-17	16.5	1.44	0.47	5.31	0.42	67.46	17.27	9.65	90.35	14.77	5.35	0.088
17-18	17.5	1.33	0.45	5.77	0.39	65.73	15.78	14.29	85.71	14.14	5.54	0.074
18-19	18.5	1.36	0.48	6.24	0.39	64.99	14.12	17.57	82.43	13.27	4.69	0.093
19-20	19.5	1.46	0.51	6.75	0.42	65.06	14.02	18.44	81.56	13.55	6.59	0.134
20-21	20.5	1.46	0.52	7.28	0.42	64.32	15.41	19.64	80.36	13.12	4.60	0.089
21-22	21.5	1.38	0.49	7.76	0.40	64.75	14.29	16.93	83.07	13.32	6.17	0.125
22-23	22.5	1.40	0.51	8.27	0.44	63.65	13.69	14.21	85.79	12.72	6.70	0.127
23-24	23.5	1.31	0.48	8.75	0.42	63.62	13.38	12.48	87.52	12.52	4.66	0.086
24-25	24.5	1.47	0.54	9.29	0.48	63.20	14.25	12.16	87.84	12.15	4.99	0.089
25-26	25.5	1.42	0.54	9.83	0.46	62.06	13.99	14.40	85.60	11.58	4.62	0.114
26-28	26.5	1.19	0.46	10.29	0.40	61.33	13.39	12.30	87.70	11.53	5.10	0.089
28-30	29.0	1.33	0.50	10.79	0.47	62.26	14.78	5.74	94.26	11.60	3.25	0.062
30-32	31.0	1.48	0.56	11.35	0.53	62.05	15.01	6.19	93.81	11.95	3.90	0.073
32-34	33.0	1.54	0.62	11.98	0.58	59.38	13.79	6.68	93.32	11.60	3.23	0.055
34-36	35.0	1.49	0.61	12.59	0.55	58.86	14.48	10.04	89.96	11.16	3.16	0.062
36-38	37.0	1.41	0.53	13.12	0.50	62.42	17.80	5.71	94.29	11.78	3.01	0.060
38-40	39.0	1.47	0.56	13.67	0.51	62.23	17.48	7.87	92.13	11.53	2.90	0.049
40-42	41.0	1.60	0.66	14.33	0.54	58.96	14.49	18.13	81.87	9.78	3.14	0.048
42-44	43.0	1.38	0.61	14.94	0.44	55.78	11.71	27.80	72.20	10.76	3.03	0.047
44-46	45.0	1.62	0.74	15.68	0.59	54.34	12.68	20.75	79.25	9.56	2.48	0.048
46-48	47.0	1.46	0.67	16.36	0.56	53.84	12.62	16.78	83.22	7.94	2.52	0.045
48-50	49.0	1.58	0.75	17.10	0.67	52.52	13.71	10.11	89.89	10.00	2.34	0.039
50-52	51.0	1.55	0.74	17.85	0.66	51.90	13.52	11.66	88.34	8.96	2.44	0.056
52-54	53.0	1.61	0.73	18.58	0.67	54.49	14.74	8.79	91.21	8.98	2.39	0.049
54-56	55.0	1.51	0.69	19.27	0.65	54.22	15.27	5.64	94.36	8.98	2.37	0.048
56-58	57.0	1.50	0.68	19.96	0.64	54.38	16.08	6.53	93.47	8.38	2.53	0.056
58-60	59.0	1.60	0.71	20.67	0.63	55.60	14.69	11.59	88.41	10.60	2.50	0.055
60-62	61.0	1.54	0.67	21.34	0.58	56.38	14.12	13.26	86.74	10.18	2.25	0.041
62-64	63.0	1.56	0.70	22.04	0.57	54.95	12.92	19.24	80.76	10.16	2.03	0.040
64-66	65.0	1.54	0.67	22.71	0.59	56.43	13.31	12.22	87.78	9.80	2.06	0.043
66-68	67.0	1.61	0.75	23.46	0.45	53.26	9.24	40.31	59.69	9.36	2.31	0.052
68-70	69.0	1.61	0.84	24.30	0.44	47.97	7.09	47.89	52.11	7.97	2.15	0.036
70-72	71.0	1.59	0.82	25.12	0.56	48.33	9.55	32.22	67.78	7.80	2.30	0.046
72-74	73.0	1.59	0.78	25.90	0.57	51.01	11.21	27.00	73.00	7.54	2.12	0.042
74-76	75.0	1.86	0.92	26.82	0.71	50.74	11.65	22.40	77.60	7.55	1.07	0.019
76-78	77.0	1.55	0.78	27.59	0.59	49.88	11.91	23.63	76.37	7.74	2.29	0.043

78-80	79.0	1.49	0.76	28.35	0.58	49.19	11.79	23.48	76.52	7.39	2.15	0.041
80-82	81.0	1.76	0.90	29.25	0.72	48.57	12.01	20.53	79.47	7.36	2.23	0.047
82-84	83.0	1.69	0.90	30.15	0.65	46.53	11.13	27.57	72.43	7.75	2.38	0.044
84-86	85.0	1.77	0.93	31.09	0.70	47.13	10.52	25.15	74.85	7.98	2.33	0.050
86-88	87.0	1.58	0.87	31.96	0.60	44.98	8.50	30.56	69.44	7.17	2.06	0.048
88-90	89.0	1.84	1.06	33.02	0.59	42.21	7.74	44.19	55.81	6.57	2.72	0.045
90-92	91.0	1.72	1.02	34.05	0.42	40.35	6.01	58.79	41.21	6.39	2.55	0.041
92-94	93.0	1.78	1.09	35.13	0.41	38.81	5.60	62.61	37.39	6.00	2.78	0.049
94-96	95.0	1.78	1.10	36.24	0.47	38.11	6.69	57.87	42.13	6.19	3.12	0.050
96-98	97.0	1.87	1.17	37.41	0.62	37.24	9.17	46.66	53.34	6.59	4.05	0.057
98-100	99.0	1.93	1.22	38.63	0.71	36.78	11.49	41.98	58.02	7.37	4.70	0.061
100-102	101.0	1.83	1.15	39.78	0.71	37.25	13.39	38.00	62.00	7.77	5.36	0.075

*Data is for <0.062mm size fraction only.

Core ID: FB295 17D
Core Location: Pass Key Bank, Florida Bay, Florida
Lat/Long: N 25.1478° W 80.57487°
Date Collected: February 24, 1995

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.0	--	--	--	--	65.38	10.17	12.68	87.32	6.09	5.04	0.084
2-4	3.0	--	--	--	--	63.20	10.40	11.27	88.73	5.71	5.97	0.121
4-6	5.0	--	--	--	--	58.83	9.95	10.69	89.31	5.73	6.27	0.111
6-8	7.0	--	--	--	--	59.39	11.26	12.08	87.92	4.74	5.42	0.099
8-10	9.0	1.47	0.68	--	0.62	53.61	10.24	9.75	90.25	4.74	5.67	0.101
10-12	11.0	1.56	0.71	--	0.67	54.33	10.66	6.22	93.78	4.55	5.34	0.105
12-14	13.0	1.54	0.70	--	0.66	54.79	11.05	5.11	94.89	5.52	5.26	0.044
14-16	15.0	1.52	0.66	--	0.63	56.23	11.28	5.90	94.10	5.34	5.79	0.048
16-18	17.0	--	--	--	--	54.57	10.39	5.37	94.63	4.98	5.70	0.049
18-20	19.0	1.85	0.80	--	0.75	56.84	10.34	5.50	94.50	5.57	6.00	0.075
20-22	21.0	1.70	0.73	--	0.69	56.87	10.94	6.44	93.56	5.93	5.25	0.043
22-24	23.0	1.52	0.62	--	0.59	59.46	10.97	3.64	96.36	4.94	5.03	0.043
24-26	25.0	1.51	0.58	--	0.55	61.36	11.24	5.46	94.54	5.15	5.48	0.047
26-28	27.0	1.52	0.64	--	0.63	57.66	11.05	2.53	97.47	5.15	4.86	0.045
28-30	29.0	1.51	0.65	--	0.64	56.66	10.64	2.36	97.64	5.14	4.62	0.055
30-32	31.0	1.64	0.72	--	0.70	56.27	10.89	2.29	97.71	4.55	4.90	0.058
32-34	33.0	1.50	0.68	--	0.66	54.81	10.41	2.33	97.67	4.55	4.42	0.044
34-36	35.0	1.55	0.69	--	0.68	55.29	9.90	1.75	98.25	4.95	4.47	0.053
36-38	37.0	1.62	0.74	--	0.73	54.25	10.11	1.88	98.12	5.56	4.70	0.046
38-40	39.0	1.58	0.78	--	0.77	50.96	9.60	1.56	98.44	4.53	4.12	0.042
40-42	41.0	1.65	0.80	--	0.78	51.16	9.56	2.62	97.38	4.34	4.49	0.069
42-44	43.0	1.71	0.89	--	0.87	47.69	9.25	2.58	97.42	3.56	4.04	0.066
44-46	45.0	1.55	0.81	--	0.80	47.85	9.68	1.03	98.97	3.56	4.11	0.084
46-48	47.0	1.70	0.93	--	0.92	45.15	9.75	1.99	98.01	3.17	4.16	0.104
48-50	49.0	1.72	0.96	--	0.95	44.23	9.41	1.12	98.88	3.74	3.76	0.069

50-52	51.0	1.68	0.92	--	0.92	45.03	9.35	0.73	99.27	3.94	4.16	0.092
52-54	53.0	1.75	0.98	--	0.97	44.06	9.44	1.15	98.85	4.19	3.90	0.096
54-56	55.0	1.71	0.97	--	0.95	43.64	9.68	1.42	98.58	3.73	4.17	0.094
56-58	57.0	1.74	0.97	--	0.96	44.27	9.65	1.17	98.83	3.96	4.25	0.087
58-60	59.0	1.79	1.00	--	0.99	44.11	9.55	1.50	98.50	3.78	4.10	0.091
60-62	61.0	1.70	0.94	--	0.93	44.47	9.52	1.74	98.26	3.14	3.99	0.084
62-64	63.0	1.70	0.94	--	0.92	44.51	9.77	2.69	97.31	3.16	3.83	0.095
64-66	65.0	1.65	0.92	--	0.88	44.01	9.35	4.20	95.80	3.17	3.41	0.082
66-68	67.0	1.70	0.92	--	0.87	45.97	9.32	5.62	94.38	3.54	3.24	0.083
68-70	69.0	1.80	1.03	--	0.96	43.00	9.31	6.55	93.45	4.53	3.35	0.071
70-72	71.0	1.65	0.96	--	0.86	41.90	9.02	10.27	89.73	4.15	3.17	0.073
72-74	73.0	1.83	1.04	--	0.96	43.04	9.11	7.48	92.52	4.92	3.25	0.071
74-76	75.0	1.83	1.06	--	1.00	41.76	9.31	6.11	93.89	4.55	3.40	0.078
76-78	77.0	1.82	1.09	--	1.02	40.18	8.76	6.38	93.62	4.56	3.41	0.078
78-80	79.0	1.76	1.04	--	0.95	40.67	8.96	8.95	91.05	4.37	2.89	0.063
80-82	81.0	1.78	1.06	--	0.98	40.25	8.74	8.08	91.92	4.34	2.90	0.064
82-84	83.0	1.72	1.00	--	0.95	41.58	9.12	5.55	94.45	4.76	2.89	0.068
84-86	85.0	1.75	1.03	--	0.96	41.25	9.47	6.89	93.11	4.72	2.74	0.058
86-88	87.0	1.80	1.07	--	1.05	40.54	9.62	2.15	97.85	4.53	2.90	0.093
88-90	89.0	1.75	1.03	--	1.01	40.97	9.71	1.82	98.18	4.93	2.72	0.085
90-92	91.0	1.89	1.11	--	1.03	41.28	9.44	7.68	92.32	4.76	2.67	0.067
92-94	93.0	1.71	1.02	--	0.95	40.40	9.47	7.29	92.71	4.55	2.38	0.075
94-96	95.0	1.81	1.08	--	1.01	40.32	9.59	6.78	93.22	4.98	2.72	0.066
96-98	97.0	1.72	1.05	--	0.87	38.85	8.74	17.31	82.69	4.74	2.48	0.070
98-100	99.0	1.84	1.13	--	1.00	38.71	8.95	11.78	88.22	4.73	2.51	0.056

*Data is for <0.062mm size fraction only.

**Data provided by Mike Bothner, USGS, Wood's Hole, MA.

Core ID: FB295 17G

Core Location: Pass Key Bank, Florida Bay, Florida

Lat/Long: N 25.1478° W 80.57408°

Date Collected: February 24, 1995

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.0	--	--	--	--	64.82	10.77	0.73	99.27	5.72	5.81	0.098
2-4	3.0	1.39	0.55	--	0.55	60.55	10.68	0.35	99.65	4.96	5.34	0.101
4-6	5.0	1.53	0.65	--	0.64	57.56	10.74	0.84	99.16	5.74	6.29	0.128
6-8	7.0	1.73	0.84	--	0.83	51.11	10.58	1.06	98.94	4.56	5.94	0.112
8-10	9.0	1.56	0.80	--	0.78	48.71	10.15	2.02	97.98	4.39	5.53	0.089
10-12	11.0	1.68	0.82	--	0.81	51.36	10.93	0.35	99.65	5.16	6.41	0.146
12-14	13.0	1.65	0.99	--	0.98	40.13	10.26	0.48	99.52	4.77	6.23	0.105
14-16	15.0	1.92	1.04	--	1.03	45.95	11.19	0.71	99.29	5.53	5.64	0.093
16-18	17.0	1.44	0.77	--	0.76	46.67	10.95	0.98	99.02	5.70	5.49	0.127
18-20	19.0	1.70	0.90	--	0.89	47.09	10.63	1.61	98.39	4.76	5.22	0.114
20-22	21.0	1.69	0.87	--	0.86	48.39	11.87	0.79	99.21	6.14	4.89	0.093

22-24	23.0	1.64	0.82	--	0.81	49.76	11.27	1.22	98.78	6.15	4.80	0.092
24-26	25.0	1.54	0.78	--	0.78	49.19	10.63	1.17	98.83	4.92	5.23	0.094
26-28	27.0	1.56	0.80	--	0.79	49.06	9.97	0.58	99.42	4.91	5.75	0.122
28-30	29.0	1.69	0.88	--	0.87	47.66	10.10	0.86	99.14	6.11	5.49	0.093
30-32	31.0	1.68	0.94	--	0.92	43.97	9.49	2.33	97.67	5.14	5.29	0.065
32-34	33.0	1.77	0.97	--	0.97	45.02	10.11	0.65	99.35	5.14	5.38	0.070
34-36	35.0	1.72	0.93	--	0.92	45.94	10.85	0.74	99.26	5.59	5.56	0.078
36-38	37.0	1.64	0.88	--	0.87	46.43	10.44	1.06	98.94	5.73	4.86	0.111
38-40	39.0	1.71	0.93	--	0.92	45.64	10.36	0.79	99.21	5.72	4.75	0.059
40-42	41.0	1.62	0.88	--	0.87	45.96	10.20	1.32	98.68	5.53	4.80	0.054
42-44	43.0	1.66	0.89	--	0.88	46.34	10.43	1.47	98.53	6.13	5.03	0.060
44-46	45.0	1.67	0.91	--	0.90	45.55	9.69	1.05	98.95	5.56	4.62	0.064
46-48	47.0	1.76	0.94	--	0.93	46.42	10.11	1.20	98.80	5.72	4.38	0.070
48-50	49.0	1.69	0.91	--	0.90	46.06	9.83	1.53	98.47	5.75	4.52	0.055
50-52	51.0	1.72	0.94	--	0.92	45.55	10.53	1.71	98.29	6.11	4.24	0.052
52-54	53.0	1.71	0.98	--	0.96	42.88	9.74	1.25	98.75	6.14	4.36	0.062
54-56	55.0	1.77	1.04	--	1.01	41.36	9.39	2.11	97.89	5.54	4.56	0.067
56-58	57.0	1.79	1.15	--	1.14	35.58	9.40	1.35	98.65	5.73	4.50	0.064
58-60	59.0	1.87	1.13	--	1.11	39.74	10.04	1.37	98.63	5.98	4.43	0.061
60-62	61.0	1.82	1.08	--	1.07	40.59	9.84	1.23	98.77	6.15	4.60	0.125
62-64	63.0	1.80	1.06	--	1.05	41.11	10.02	1.44	98.56	6.18	4.43	0.061
64-66	65.0	1.71	0.99	--	0.98	42.19	10.16	1.06	98.94	6.14	3.78	0.046
66-68	67.0	1.89	1.07	--	1.05	43.51	10.13	1.79	98.21	6.76	3.94	0.080
68-70	69.0	1.69	0.97	--	0.95	42.69	10.06	1.97	98.03	6.32	3.44	0.070
70-72	71.0	1.85	1.06	--	1.03	42.94	10.11	2.51	97.49	6.13	3.59	0.079
72-74	73.0	1.77	0.99	--	0.96	44.16	10.02	2.39	97.61	5.34	3.43	0.064
74-76	75.0	1.55	0.87	--	0.84	43.67	9.66	3.52	96.48	6.29	3.27	0.068
76-78	77.0	1.63	0.95	--	0.91	41.75	9.46	3.79	96.21	4.76	3.34	0.070
78-80	79.0	1.71	0.97	--	0.94	43.34	9.79	2.93	97.07	5.35	3.19	0.058
80-82	81.0	1.83	1.06	--	1.02	42.18	9.88	2.90	97.10	5.91	3.18	0.049
82-84	83.0	1.66	0.95	--	0.91	43.06	9.68	3.55	96.45	5.36	3.13	0.054
84-86	85.0	1.82	1.06	--	1.05	41.63	9.69	1.48	98.52	4.95	3.65	0.055
86-88	87.0	1.76	1.03	--	1.02	41.46	9.52	0.68	99.32	5.31	2.87	0.050
88-90	89.0	1.86	1.10	--	1.09	40.87	9.53	0.95	99.05	4.98	2.62	0.038
90-92	91.0	1.82	1.08	--	1.06	40.72	9.50	1.94	98.06	3.94	2.46	0.055
92-94	93.0	1.92	1.13	--	1.01	40.96	9.35	10.59	89.41	3.97	2.35	0.056
94-96	95.0	1.70	1.01	--	0.86	40.38	8.75	15.18	84.82	3.37	2.60	0.056
96-98	97.0	1.78	1.05	--	0.87	40.93	8.38	17.53	82.47	3.57	2.44	0.058
98-100	99.0	1.70	0.99	--	0.90	41.53	9.91	9.39	90.61	2.59	2.18	0.050
100-102	101.0	2.03	1.21	--	1.08	40.43	9.08	10.27	89.73	4.17	2.34	0.050
102-104	103.0	1.77	1.07	--	0.89	39.70	8.89	16.77	83.23	3.38	2.14	0.048
104-106	105.0	1.89	1.15	--	0.84	38.92	8.15	27.45	72.55	4.15	2.26	0.047

*Data is for <0.062mm size fraction only.

**Data provided by Mike Bothner, USGS, Wood's Hole, MA.

Core ID: FB295 18C

Core Location: North Russell Bank, Florida Bay, Florida

Lat/Long: N 25.0664° W 80.6245°

Date Collected: February 24, 1995

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.0	--	--	--	--	67.68	7.41	1.83	98.17	8.75	4.13	0.061
2-4	3.0	1.35	0.45	--	0.44	66.78	6.15	0.95	99.05	9.54	4.62	0.063
4-6	5.0	1.47	0.57	--	0.51	61.43	6.59	9.23	90.77	8.35	4.78	0.094
6-8	7.0	1.57	0.70	--	0.68	55.18	5.88	3.96	96.04	9.09	4.68	0.119
8-10	9.0	1.55	0.71	--	0.67	54.24	5.81	6.29	93.71	8.30	4.80	0.124
10-12	11.0	1.61	0.78	--	0.75	51.89	5.92	3.28	96.72	8.12	4.73	0.122
12-14	13.0	1.56	0.60	--	0.57	61.42	6.80	4.81	95.19	7.78	4.85	0.104
14-16	15.0	1.53	0.67	--	0.62	56.09	6.20	7.04	92.96	8.00	4.75	0.101
16-18	17.0	1.45	0.69	--	0.62	52.14	6.76	9.76	90.24	7.69	4.32	0.077
18-20	19.0	1.63	0.69	--	0.66	57.58	5.67	4.24	95.76	7.50	4.30	0.082
20-22	21.0	1.55	0.74	--	0.71	52.13	5.04	3.58	96.42	7.37	4.32	0.042
22-24	23.0	1.70	0.94	--	0.87	44.44	6.05	7.47	92.53	6.93	3.46	0.033
24-26	25.0	1.68	0.87	--	0.80	48.11	3.08	8.78	91.22	6.18	3.18	0.031
26-28	27.0	1.66	0.85	--	0.78	48.71	4.86	8.26	91.74	6.14	3.01	0.033
28-30	29.0	1.73	0.88	--	0.83	49.07	5.10	6.31	93.69	6.27	2.70	0.023
30-32	31.0	1.58	0.89	--	0.87	43.70	5.39	2.09	97.91	5.94	2.52	0.022
32-34	33.0	1.67	0.95	--	0.94	42.81	5.92	1.93	98.07	5.95	2.44	0.024
34-36	35.0	1.86	1.05	--	1.01	43.81	5.84	3.80	96.20	6.39	2.37	0.065
36-38	37.0	1.96	1.13	--	1.11	42.27	6.23	1.68	98.32	6.94	2.62	0.061
38-40	39.0	1.73	0.99	--	0.98	42.93	6.00	1.15	98.85	6.94	2.31	0.049
40-42	41.0	1.55	0.86	--	0.85	44.54	2.28	0.91	99.09	5.94	2.31	0.053
42-44	43.0	1.76	0.99	--	0.98	43.95	5.60	0.85	99.15	6.59	2.27	0.059
44-46	45.0	1.50	0.86	--	0.85	42.94	5.38	1.44	98.56	6.31	2.44	0.057
46-48	47.0	1.79	1.03	--	1.02	42.17	6.26	0.97	99.03	6.97	2.27	0.044
48-50	49.0	1.69	0.99	--	0.98	41.52	6.88	0.61	99.39	6.53	2.25	0.065
50-52	51.0	1.83	1.09	--	1.08	40.49	5.66	1.16	98.84	6.16	2.23	0.068
52-54	53.0	1.73	0.99	--	0.99	42.37	5.68	0.34	99.66	6.14	2.36	0.058
54-56	55.0	1.66	0.94	--	0.94	43.18	6.47	0.54	99.46	6.35	2.29	0.070
56-58	57.0	1.77	0.98	--	--	44.69	4.72	--	--	6.19	2.37	0.063
58-60	59.0	1.67	0.93	--	0.91	44.59	6.77	1.65	98.35	6.32	2.29	0.062
60-62	61.0	1.76	0.96	--	0.95	45.68	4.91	1.08	98.92	6.50	2.42	0.055
62-64	63.0	1.65	0.93	--	0.93	43.46	6.95	0.26	99.74	6.34	2.26	0.054
64-66	65.0	1.76	0.99	--	0.99	43.42	6.79	0.63	99.37	5.72	2.28	0.046
66-68	67.0	1.71	0.95	--	0.92	44.39	6.58	3.78	96.22	5.33	2.15	0.036
68-70	69.0	1.79	1.02	--	1.00	43.34	5.48	1.35	98.65	6.14	2.21	0.038
70-72	71.0	1.63	0.94	--	0.92	42.36	5.71	1.76	98.24	5.58	2.23	0.039
72-74	73.0	1.77	1.02	--	1.00	42.29	6.55	2.33	97.67	5.78	2.06	0.038
74-76	75.0	1.78	1.03	--	1.02	42.31	5.70	0.59	99.41	5.72	2.22	0.038
76-78	77.0	1.74	1.01	--	1.00	42.08	9.58	0.87	99.13	6.52	2.03	0.031
78-80	79.0	1.76	0.99	--	0.98	43.49	7.12	0.98	99.02	6.55	1.79	0.044
80-82	81.0	1.71	0.92	--	0.92	46.00	7.88	0.40	99.60	6.30	1.92	0.059
82-84	83.0	1.73	0.97	--	0.97	43.75	5.77	0.89	99.11	6.36	1.88	0.036
84-86	85.0	1.65	0.92	--	0.91	44.15	4.58	0.77	99.23	5.96	2.03	0.038

86-88	87.0	1.80	1.03	--	1.02	43.06	7.00	0.98	99.02	6.76	1.89	0.044
88-90	89.0	1.73	0.99	--	0.96	42.87	6.13	3.04	96.96	6.34	2.11	0.047
90-92	91.0	1.79	1.02	--	1.01	42.84	6.52	0.97	99.03	6.60	2.04	0.039
92-94	93.0	1.72	0.98	--	0.98	42.97	8.50	0.11	99.89	6.15	1.97	0.041
94-96	95.0	1.75	1.02	--	1.01	41.83	8.04	0.71	99.29	5.77	2.19	0.040
96-98	97.0	1.80	1.04	--	1.03	42.03	6.39	1.23	98.77	6.00	2.01	0.035
98-100	99.0	1.74	1.01	--	0.99	41.66	4.90	2.71	97.29	5.80	2.38	0.050
100-102	101.0	1.72	0.95	--	0.94	44.82	8.44	1.49	98.51	5.97	1.96	0.034
102-104	103.0	1.65	0.92	--	0.88	44.55	9.29	4.13	95.87	5.83	2.06	0.045
104-106	105.0	1.75	0.99	--	0.97	43.42	6.15	2.25	97.75	6.39	2.05	0.038
106-108	107.0	1.68	0.95	--	0.87	43.39	5.56	7.95	92.05	6.00	1.98	0.038
108-110	109.0	1.80	1.02	--	0.97	43.21	8.23	5.27	94.73	6.42	1.88	0.035
110-112	111.0	1.62	0.89	--	0.84	45.26	7.61	4.85	95.15	6.26	1.98	0.037
112-114	113.0	1.97	1.11	--	1.08	43.55	7.64	3.20	96.80	6.39	1.79	0.031
114-116	115.0	1.92	1.11	--	1.07	42.31	7.00	3.21	96.79	6.36	1.86	0.034
116-118	117.0	1.74	1.01	--	0.95	41.96	7.17	6.20	93.80	6.12	1.98	0.029
118-120	119.0	1.67	0.97	--	0.87	41.74	6.84	10.47	89.53	6.24	1.78	0.029
120-122	121.0	1.69	1.04	--	0.81	38.67	5.83	22.37	77.63	6.61	1.99	0.034
122-124	123.0	1.64	0.98	--	0.85	40.55	5.84	13.10	86.90	6.16	1.73	0.027
124-126	125.0	1.80	1.04	--	0.91	42.49	6.04	12.09	87.91	5.94	1.75	0.026
126-128	127.0	1.80	1.06	--	0.93	41.08	6.95	12.16	87.84	6.22	1.88	0.033
128-130	129.0	1.61	0.97	--	0.88	39.38	7.23	9.74	90.26	6.11	1.71	0.025
130-132	131.0	1.90	1.14	--	1.10	39.92	5.99	3.61	96.39	5.73	1.77	0.025
132-134	133.0	1.76	1.03	--	1.00	41.52	2.97	2.73	97.27	6.30	1.48	0.027
134-136	135.0	1.82	1.11	--	1.08	39.02	5.87	2.84	97.16	5.21	1.76	0.046
136-138	137.0	1.79	1.09	--	1.05	38.96	7.67	3.75	96.25	6.03	1.64	0.030
138-140	139.0	1.76	1.08	--	1.05	38.96	6.36	2.98	97.02	5.54	1.76	0.031
140-142	141.0	1.78	1.08	--	1.04	39.69	7.22	3.68	96.32	5.98	1.71	0.060
142-144	143.0	1.81	1.08	--	1.07	40.24	6.31	1.50	98.50	6.28	1.87	0.038
144-146	145.0	1.83	1.10	--	1.07	39.71	3.52	2.60	97.40	2.69	1.82	0.036
146-148	147.0	1.71	1.02	--	0.98	40.70	7.17	3.58	96.42	6.16	1.85	0.044
148-150	149.0	1.88	1.13	--	1.10	40.09	7.47	2.71	97.29	4.81	1.88	0.032
150-152	151.0	1.95	1.25	--	1.03	36.02	6.09	17.67	82.33	5.69	1.83	0.040
152-154	153.0	1.88	1.22	--	0.88	34.74	4.38	28.20	71.80	5.27	1.84	0.031
154-156	155.0	1.81	1.16	--	0.84	36.04	6.00	27.28	72.72	5.91	1.65	0.028
156-158	157.0	1.98	1.26	--	0.91	36.35	4.33	28.04	71.96	6.08	1.79	0.033
158-160	159.0	1.83	1.22	--	0.79	33.43	4.32	35.13	64.87	6.30	1.91	0.038
160-162	161.0	1.93	1.28	--	1.04	33.52	5.55	18.40	81.60	6.13	1.76	0.027
162-164	163.0	1.91	1.26	--	0.86	33.81	5.32	32.07	67.93	--	1.92	0.032
164-166	165.0	1.94	1.27	--	0.84	34.56	5.98	34.17	65.83	5.70	1.69	0.024
166-168	167.0	2.03	1.34	--	0.99	33.92	4.60	26.20	73.80	5.35	1.80	0.028
168-170	169.0	1.91	1.23	--	0.81	35.95	4.60	33.75	66.25	5.19	2.00	0.041
170-172	171.0	1.94	1.27	--	0.77	34.64	5.69	39.67	60.33	5.03	1.88	0.062
172-174	173.0	2.02	1.35	--	1.01	33.33	2.89	25.47	74.53	5.93	1.84	0.034
174-176	175.0	1.96	1.31	--	0.86	33.03	4.39	34.21	65.79	5.78	1.86	0.094
176-178	177.0	1.81	1.25	--	0.73	31.08	2.24	41.29	58.71	5.92	1.96	0.034
178-180	179.0	1.89	1.28	--	0.94	32.48	6.02	26.82	73.18	5.68	2.22	0.045
180-182	181.0	1.93	1.32	--	0.74	31.83	7.01	43.76	56.24	5.57	1.95	0.039
182-184	183.0	2.01	1.39	--	0.91	31.17	7.84	34.30	65.70	5.59	2.12	0.054

*Data is for <0.062mm size fraction only.
ND = Not detected

Core ID: FB295 19B
Core Location: South Russell Bank, Florida Bay, Florida
Lat/Long: N 25.0639° W 80.6248°
Date Collected: February 24, 1995

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.0	1.09	0.31	0.31	0.21	71.51	10.57	32.09	67.91	8.13	4.60	0.079
2-4	3.0	1.09	0.26	0.57	0.20	75.95	8.46	21.50	78.50	8.12	4.98	0.042
4-6	5.0	1.22	0.35	0.92	0.28	71.07	9.24	19.58	80.42	7.91	4.71	0.034
6-8	7.0	1.30	0.49	1.42	0.40	62.13	6.73	19.40	80.60	7.68	4.35	0.035
8-10	9.0	0.97	0.34	1.75	0.30	65.12	8.64	11.16	88.84	7.57	4.66	0.037
10-12	11.0	1.13	0.40	2.16	0.34	64.47	7.19	14.72	85.28	7.10	4.12	0.037
12-14	13.0	1.43	0.56	2.72	0.50	60.69	7.28	11.47	88.53	7.11	4.26	0.034
14-16	15.0	0.97	0.37	3.09	0.32	61.74	6.80	13.20	86.80	6.75	4.42	0.028
16-18	17.0	1.35	0.50	3.60	0.46	62.75	6.56	8.01	91.99	7.36	4.04	0.041
18-20	19.0	1.34	0.49	4.08	0.44	63.76	5.74	9.69	90.31	6.40	3.21	0.046
20-22	21.0	1.56	0.61	4.69	0.57	60.97	6.85	5.77	94.23	7.40	3.60	0.069
22-24	23.0	1.50	0.59	5.29	0.55	60.41	3.88	6.87	93.13	7.27	3.63	0.062
24-26	25.0	1.56	0.70	5.99	0.64	55.08	6.16	8.14	91.86	6.92	3.71	0.063
26-28	27.0	1.53	0.77	6.76	0.67	49.45	6.12	13.57	86.43	6.73	3.59	0.117
28-30	29.0	1.61	0.75	7.51	0.74	53.14	6.50	2.10	97.90	6.56	3.54	0.067
30-32	31.0	1.56	0.70	8.22	0.65	54.86	6.22	7.91	92.09	5.74	3.59	0.059
32-34	33.0	1.58	0.76	8.98	0.72	51.96	6.13	5.40	94.60	6.79	3.70	0.054
34-36	35.0	1.64	0.76	9.74	0.71	53.75	5.44	6.39	93.61	6.96	4.08	0.079
36-38	37.0	1.58	0.72	10.46	0.70	54.18	5.60	3.76	96.24	6.96	3.45	0.072
38-40	39.0	1.57	0.80	11.26	0.72	49.17	14.59	9.79	90.21	6.97	3.48	0.057
40-42	41.0	1.62	0.76	12.01	0.68	53.40	4.80	9.90	90.10	6.73	3.20	0.056
42-44	43.0	1.57	0.74	12.75	0.68	52.81	6.58	8.51	91.49	6.77	3.29	0.063
44-46	45.0	1.60	0.78	13.53	0.69	51.40	4.92	11.01	88.99	6.99	3.41	0.063
46-48	47.0	1.65	0.85	14.38	0.71	48.82	5.59	16.19	83.81	5.36	3.20	0.046
48-50	49.0	1.53	0.77	15.15	0.71	49.83	5.61	7.01	92.99	6.99	2.99	0.046
50-52	51.0	1.65	0.82	15.96	0.74	50.30	6.17	9.44	90.56	6.52	3.08	0.039
52-54	53.0	1.62	0.82	16.79	0.79	49.24	5.12	3.41	96.59	6.59	2.84	0.035
54-56	55.0	1.66	0.86	17.64	0.79	48.32	6.12	7.46	92.54	6.16	2.72	0.033
56-58	57.0	1.61	0.84	18.48	0.79	48.09	6.26	5.73	94.27	5.94	2.47	0.047
58-60	59.0	1.64	0.83	19.31	0.68	49.33	6.53	18.43	81.57	5.93	2.89	0.039
60-62	61.0	1.72	0.87	20.18	0.81	49.41	6.88	7.42	92.58	6.16	2.80	0.032
62-64	63.0	1.62	0.85	21.04	0.72	47.36	5.68	15.14	84.86	5.74	2.63	0.032
64-66	65.0	1.74	0.94	21.98	0.86	45.93	4.19	9.08	90.92	4.98	2.43	0.037
66-68	67.0	1.61	0.87	22.85	0.76	46.10	5.75	12.82	87.18	4.97	2.42	0.043
68-70	69.0	1.86	1.01	23.86	0.93	45.57	7.17	8.33	91.67	7.55	2.47	0.045
70-72	71.0	1.64	0.88	24.74	0.81	46.14	5.92	8.34	91.66	7.51	2.39	0.058

72-74	73.0	1.67	0.85	25.59	0.78	49.26	8.36	7.81	92.19	7.06	2.29	0.050
74-76	75.0	1.79	0.99	26.58	0.85	44.64	6.94	14.52	85.48	6.72	2.09	0.052
76-78	77.0	1.75	0.93	27.51	0.77	46.47	8.08	17.47	82.53	6.52	2.14	0.058
78-80	79.0	1.73	0.95	28.46	0.82	45.17	6.41	13.51	86.49	7.14	2.02	0.048
80-82	81.0	1.71	0.93	29.39	0.73	45.48	6.38	21.70	78.30	7.74	2.09	0.046
82-84	83.0	1.61	0.84	30.23	0.65	47.94	7.30	22.69	77.31	7.07	2.08	0.055
84-86	85.0	1.76	0.88	31.12	0.70	49.83	8.85	21.25	78.75	7.74	2.13	0.056
86-88	87.0	1.66	1.21	32.32	1.03	27.40	6.44	14.31	85.69	7.14	2.16	0.055
88-90	89.0	1.68	0.87	33.19	0.72	48.45	9.90	17.05	82.95	7.75	1.99	0.059
90-92	91.0	1.75	1.00	34.19	0.92	43.01	6.10	7.85	92.15	7.66	1.78	0.049
92-94	93.0	1.66	0.91	35.10	0.80	45.02	7.33	11.98	88.02	6.53	1.73	0.040
94-96	95.0	1.88	1.03	36.13	0.90	45.35	8.58	12.71	87.29	6.60	1.67	0.060
96-98	97.0	1.59	0.89	37.02	0.84	44.03	7.32	5.75	94.25	6.34	1.81	0.067
98-100	99.0	1.88	1.09	38.10	1.00	42.28	3.96	7.93	92.07	7.51	1.71	0.048
100-102	101.0	1.64	0.93	39.03	0.87	43.28	8.16	6.61	93.39	6.32	1.74	0.064
102-104	103.0	1.86	1.10	40.14	1.05	40.68	8.69	5.00	95.00	6.88	1.65	0.051
104-106	105.0	1.75	1.05	41.19	0.94	39.86	7.12	10.79	89.21	7.58	1.55	0.039
106-108	107.0	1.81	1.01	42.20	0.89	43.93	5.46	11.86	88.14	8.46	1.44	0.035
108-110	109.0	1.77	1.02	43.22	0.90	42.44	8.66	11.42	88.58	7.11	1.60	0.047
110-112	111.0	1.72	1.04	44.26	0.99	39.25	9.68	4.74	95.26	6.72	1.81	0.074
112-114	113.0	1.83	1.09	45.35	1.04	40.34	7.58	4.84	95.16	6.52	1.54	0.064
114-116	115.0	1.75	1.04	46.40	1.02	40.36	5.99	1.95	98.05	6.47	1.38	0.062
116-118	117.0	1.78	1.04	47.44	1.03	41.58	5.57	1.23	98.77	7.52	1.42	0.028
118-120	119.0	1.78	1.06	48.50	1.02	40.56	6.21	3.81	96.19	6.93	1.44	0.071
120-122	121.0	1.72	1.01	49.50	0.97	41.53	6.09	3.30	96.70	7.51	1.66	0.063
122-124	123.0	1.83	1.05	50.55	1.03	42.45	5.24	2.03	97.97	6.94	1.56	0.064
124-126	125.0	1.85	1.10	51.65	0.97	40.60	7.13	11.63	88.37	8.70	1.07	0.060
126-128	127.0	1.85	1.16	52.81	0.83	37.28	5.25	28.47	71.53	6.99	1.35	0.080
128-130	129.0	1.79	1.09	53.90	0.97	39.15	3.95	11.25	88.75	6.94	1.32	0.056
130-132	131.0	1.78	1.09	54.99	1.00	39.06	6.90	7.52	92.48	7.14	1.37	0.024
132-134	133.0	1.85	1.10	56.09	0.94	40.69	7.09	14.37	85.63	5.94	1.54	0.060
134-136	135.0	1.81	1.11	57.19	1.03	38.89	5.04	6.68	93.32	6.94	1.46	0.067
136-138	137.0	1.85	1.09	58.28	0.95	41.42	3.61	12.64	87.36	6.14	1.25	0.053
138-140	139.0	1.78	1.08	59.35	0.98	39.43	5.96	9.33	90.67	6.35	1.36	0.058
140-142	141.0	1.76	1.09	60.44	0.93	38.04	4.89	14.94	85.06	6.88	1.37	0.026
142-144	143.0	2.06	1.37	61.81	0.98	33.46	4.85	28.43	71.57	6.40	1.40	0.028

*Data is for <0.062mm size fraction only.

Core ID: FB295 19C
Core Location: South Russell Bank, Florida Bay, Florida
Lat/Long: N 25.0639° W 80.6248°
Date Collected: 02/24/95

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.0	1.32	0.41	0.41	0.40	69.01	9.34	1.94	98.06	5.97	5.02	0.093

2-4	3.0	1.38	0.47	0.88	0.47	65.68	9.49	0.53	99.47	6.19	5.21	0.092
4-6	5.0	1.43	0.56	1.44	0.55	61.06	7.71	1.14	98.86	6.77	4.99	0.078
6-8	7.0	1.54	0.75	2.19	0.74	51.46	8.40	1.41	98.59	6.33	4.93	0.091
8-10	9.0	1.56	0.80	2.99	0.80	48.42	8.76	0.91	99.09	5.83	4.56	0.092
10-12	11.0	1.64	0.85	3.84	0.84	48.27	7.75	0.77	99.23	5.74	4.52	0.074
12-14	13.0	1.62	0.88	4.73	0.87	45.45	7.93	1.83	98.17	5.53	4.49	0.064
14-16	15.0	1.59	0.85	5.58	0.85	46.72	9.26	0.31	99.69	5.19	4.44	0.080
16-18	17.0	1.64	0.82	6.39	0.81	50.31	8.56	0.80	99.20	5.51	4.32	0.101
18-20	19.0	1.64	0.78	7.18	0.77	52.35	3.70	1.44	98.56	5.24	4.36	0.144
20-22	21.0	1.66	0.83	8.01	0.82	49.91	7.13	0.69	99.31	5.11	4.12	0.093
22-24	23.0	1.64	0.87	8.88	0.86	46.56	8.76	1.35	98.65	5.09	3.93	0.077
24-26	25.0	1.71	0.94	9.83	0.94	44.88	8.29	0.78	99.22	5.15	3.91	0.089
26-28	27.0	1.74	0.95	10.78	0.94	45.26	8.82	1.34	98.66	4.83	3.72	0.076
28-30	29.0	1.70	0.96	11.74	0.95	43.47	8.26	1.47	98.53	5.18	3.64	0.065
30-32	31.0	1.77	1.02	12.76	1.02	42.15	4.19	0.47	99.53	4.74	3.72	0.089
32-34	33.0	1.77	1.00	13.76	0.99	43.73	7.37	0.45	99.55	5.36	3.63	0.064
34-36	35.0	1.77	1.02	14.77	1.01	42.71	9.21	0.62	99.38	7.01	3.47	0.062
36-38	37.0	1.75	1.02	15.79	1.01	41.77	7.52	0.69	99.31	4.86	3.37	0.084
38-40	39.0	1.75	0.99	16.77	0.98	43.84	7.14	0.47	99.53	4.93	3.42	0.079
40-42	41.0	1.70	0.95	17.72	0.94	44.28	8.23	0.59	99.41	5.18	3.38	0.067
42-44	43.0	1.66	0.91	18.63	0.90	45.28	8.57	0.41	99.59	5.17	3.41	0.060
44-46	45.0	1.75	0.97	19.60	0.96	44.85	8.51	0.91	99.09	5.14	3.37	0.084
46-48	47.0	1.67	0.93	20.52	0.92	44.41	8.07	0.43	99.57	5.26	--	--
48-50	49.0	1.69	0.93	21.46	0.93	44.81	8.29	0.32	99.68	7.01	3.28	0.351
50-52	51.0	1.72	0.95	22.41	0.94	44.40	8.07	1.04	98.96	5.11	2.92	0.056
52-54	53.0	1.73	0.97	23.39	0.96	43.57	9.01	1.44	98.56	5.28	2.88	0.055
54-56	55.0	1.75	1.01	24.39	0.99	42.45	8.58	1.44	98.56	4.64	2.94	0.062
56-58	57.0	1.74	0.95	25.35	0.94	45.46	8.29	0.78	99.22	4.11	2.51	0.056
58-60	59.0	1.71	0.96	26.31	0.96	43.95	6.38	0.50	99.50	4.53	2.64	0.052
60-62	61.0	1.76	0.91	27.22	0.91	48.31	8.72	0.56	99.44	4.42	2.76	0.052
62-64	63.0	1.77	1.00	28.22	1.00	43.30	9.26	0.26	99.74	4.11	2.74	0.047
64-66	65.0	1.73	1.04	29.26	1.04	39.96	8.09	0.34	99.66	4.42	--	--
66-68	67.0	1.80	1.09	30.35	1.08	39.72	9.08	0.39	99.61	4.44	2.69	0.049
68-70	69.0	1.77	1.04	31.38	1.03	41.36	8.72	0.45	99.55	4.23	2.90	0.051
70-72	71.0	1.78	1.04	32.43	1.04	41.33	7.35	0.21	99.79	3.94	2.56	0.040
72-74	73.0	1.71	1.00	33.43	0.99	41.44	9.89	1.32	98.68	4.29	2.70	0.041
74-76	75.0	1.78	1.01	34.44	0.99	43.25	7.22	1.91	98.09	4.25	2.35	0.047
76-78	77.0	1.80	1.02	35.46	0.99	43.55	7.85	2.56	97.44	5.03	2.07	0.032
78-80	79.0	1.74	0.99	36.45	0.97	43.33	10.00	1.17	98.83	5.09	2.23	0.035
80-82	81.0	1.76	1.02	37.46	1.01	42.35	7.90	0.76	99.24	5.07	2.16	0.044
82-84	83.0	1.73	0.97	38.43	0.96	43.79	8.90	1.04	98.96	5.19	2.11	0.051
84-86	85.0	1.72	0.99	39.42	0.99	42.49	8.55	0.32	99.68	5.36	2.19	0.042
86-88	87.0	1.77	1.00	40.42	0.99	43.54	8.75	0.40	99.60	5.32	2.14	0.062
88-90	89.0	1.79	1.04	41.46	1.03	41.92	9.03	0.86	99.14	5.06	2.70	0.044
90-92	91.0	1.73	0.99	42.45	0.98	43.00	9.27	0.81	99.19	5.34	2.14	0.041
92-94	93.0	1.77	0.99	43.44	0.99	44.34	8.43	0.24	99.76	5.37	2.09	0.041
94-96	95.0	1.74	0.96	44.40	0.94	44.98	8.84	1.45	98.55	5.65	1.99	0.044
96-98	97.0	1.75	0.99	45.38	0.97	43.55	9.76	1.21	98.79	5.52	1.97	0.052
98-100	99.0	1.72	0.97	46.35	0.96	43.83	7.33	0.37	99.63	5.23	2.07	0.045

100-102	101.0	1.73	0.96	47.31	0.96	44.45	9.04	0.62	99.38	5.31	1.98	0.039
102-104	103.0	1.76	0.97	48.29	0.97	44.62	9.72	0.56	99.44	6.11	1.93	0.056
104-106	105.0	1.71	0.95	49.24	0.94	44.35	8.67	1.57	98.43	5.58	1.92	0.039
106-108	107.0	1.81	0.99	50.23	0.98	45.09	8.08	1.61	98.39	5.48	1.75	0.037
108-110	109.0	1.71	0.97	51.20	0.96	43.41	8.70	1.56	98.44	5.61	2.00	0.049
110-112	111.0	1.78	1.03	52.23	1.02	42.06	8.35	1.19	98.81	4.94	1.93	0.063
112-114	113.0	1.78	1.02	53.25	1.01	42.69	8.30	0.72	99.28	5.02	1.97	0.051
114-116	115.0	1.79	1.05	54.30	1.02	41.59	7.99	2.82	97.18	4.92	1.95	0.052
116-118	117.0	1.80	1.04	55.33	1.02	42.34	8.47	1.73	98.27	4.98	1.44	0.048
118-120	119.0	1.69	0.96	56.29	0.95	43.34	8.64	1.23	98.77	4.76	1.89	0.046
120-122	121.0	1.75	1.00	57.29	0.93	43.14	6.33	6.49	93.51	4.99	1.77	0.042
122-124	123.0	1.81	1.02	58.31	0.85	43.91	7.24	16.63	83.37	5.36	1.89	0.044
124-126	125.0	1.78	0.93	59.23	0.80	47.83	7.62	14.28	85.72	5.13	1.65	0.034
126-128	127.0	1.83	0.96	60.20	0.89	47.28	7.40	7.20	92.80	4.66	1.67	0.041
128-130	129.0	1.74	0.99	61.19	0.93	42.93	7.65	6.64	93.36	5.02	1.65	0.079
130-132	131.0	1.75	0.97	62.16	0.93	44.47	8.70	4.39	95.61	5.24	1.77	0.035
132-134	133.0	1.74	0.97	63.13	0.94	44.23	8.38	2.56	97.44	5.45	1.68	0.032
134-136	135.0	1.77	0.98	64.11	0.96	44.60	7.72	1.82	98.18	5.31	1.73	0.035
136-138	137.0	1.77	0.99	65.10	0.94	43.98	9.19	4.67	95.33	5.20	1.73	0.034
138-140	139.0	1.74	0.99	66.10	0.94	42.79	7.86	5.77	94.23	4.71	1.46	0.040
140-142	141.0	1.77	1.00	67.10	0.96	43.44	5.98	3.84	96.16	4.96	2.71	0.091
142-144	143.0	1.79	1.07	68.17	1.05	39.92	5.44	2.11	97.89	4.44	1.70	0.044
144-146	145.0	1.76	1.03	69.20	1.02	41.43	9.97	0.96	99.04	4.58	1.55	0.046
146-148	147.0	1.78	1.01	70.21	1.00	43.59	8.10	1.16	98.84	5.11	1.45	0.045
148-150	149.0	1.78	1.00	71.21	0.97	43.78	9.33	3.17	96.83	4.82	1.54	0.040
150-152	151.0	1.75	0.98	72.19	0.96	44.05	8.63	2.34	97.66	5.16	1.84	0.063
152-154	153.0	1.75	0.92	73.11	0.89	47.31	7.73	4.00	96.00	5.20	1.88	0.020
154-156	155.0	1.77	0.96	74.07	0.94	45.78	9.34	1.97	98.03	5.10	1.73	0.019
156-158	157.0	1.72	0.91	74.97	0.90	47.27	9.02	0.76	99.24	4.80	1.46	0.017

*Data is for <0.062mm size fraction only.

**Data provided by John Robbins, GLERL, NOAA.

Core ID: FB295 20D

Core Location: Bob Allen Bank, Florida Bay, Florida

Lat/Long: N 25.0236° W 80.6588°

Date Collected: February 25, 1995

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.0	--	--	--	--	63.73	10.97	--	--	8.04	4.55	0.345
2-4	3.0	--	--	--	--	67.51	6.89	--	--	8.24	4.23	0.271
4-6	5.0	--	--	--	--	61.39	8.36	--	--	8.53	4.63	0.282
6-8	7.0	--	--	--	--	59.45	12.76	--	--	7.78	4.45	0.275
8-10	9.0	--	--	--	--	59.39	9.39	--	--	8.38	4.42	0.282
10-12	11.0	--	--	--	--	55.45	11.33	--	--	9.40	4.45	0.336
12-14	13.0	--	--	--	--	55.98	13.81	--	--	8.62	4.51	0.396

14-16	15.0	--	--	--	--	55.00	11.78	--	--	8.12	4.96	0.506
16-18	17.0	--	--	--	--	47.36	9.09	--	--	7.79	3.37	0.203
18-20	19.0	--	--	--	--	46.89	9.43	3.96	96.04	7.02	3.59	0.359
20-22	21.0	--	--	--	--	45.79	6.61	1.94	98.06	6.56	3.82	0.303
22-24	23.0	--	--	--	--	48.03	6.64	2.28	97.72	6.99	4.16	0.322
24-26	25.0	--	--	--	--	47.86	9.35	3.65	96.35	6.79	3.76	0.343
26-28	27.0	--	--	--	--	49.81	9.81	2.51	97.49	6.85	3.72	0.085
28-30	29.0	--	--	--	--	52.07	10.77	2.58	97.42	6.78	3.69	0.031
30-32	31.0	--	--	--	--	48.71	9.33	4.72	95.28	6.84	3.66	0.070
32-34	33.0	--	--	--	--	41.47	9.49	--	--	5.99	2.72	0.058
34-36	35.0	--	--	--	--	41.66	8.39	--	--	6.20	3.39	0.057
36-38	37.0	--	--	--	--	44.32	10.55	--	--	6.58	2.87	0.045
38-40	39.0	--	--	--	--	47.07	8.97	--	--	6.57	3.07	0.052
40-42	41.0	--	--	--	--	47.21	16.07	--	--	6.77	3.09	0.049
42-44	43.0	--	--	--	--	46.52	11.57	--	--	6.27	4.06	0.083
44-46	45.0	--	--	--	--	46.87	10.51	--	--	6.25	3.36	0.084
46-48	47.0	--	--	--	--	44.47	10.68	--	--	6.44	3.25	0.026
48-50	49.0	--	--	--	--	46.35	10.34	--	--	6.44	3.31	0.027
50-52	51.0	--	--	--	--	46.37	10.54	--	--	8.70	3.23	0.036
52-54	53.0	--	--	--	--	45.77	9.26	--	--	6.61	2.95	0.038
54-56	55.0	--	--	--	--	49.34	10.50	--	--	--	--	--
56-58	57.0	--	--	--	--	50.38	8.19	7.86	92.14	6.31	2.99	0.036
58-60	59.0	--	--	--	--	53.33	9.50	14.67	85.33	6.25	3.01	0.037
60-62	61.0	--	--	--	--	51.65	6.64	5.35	94.65	6.01	2.48	0.027
62-64	63.0	--	--	--	--	41.55	8.47	4.31	95.69	5.56	2.05	0.024
64-66	65.0	--	--	--	--	42.16	6.73	2.52	97.48	13.17	2.22	0.026
66-68	67.0	--	--	--	--	41.18	9.52	0.89	99.11	5.46	2.10	0.024
68-70	69.0	--	--	--	--	39.83	7.91	0.41	99.59	5.73	2.05	0.026
70-72	71.0	--	--	--	--	39.22	9.02	--	--	6.35	2.06	0.030
72-74	73.0	--	--	--	--	42.13	11.07	--	--	10.32	2.19	0.038
74-76	75.0	--	--	--	--	42.78	9.82	--	--	21.89	2.56	0.044
76-78	77.0	--	--	--	--	45.76	11.46	--	--	7.91	2.26	0.038
78-80	79.0	--	--	--	--	44.47	7.00	--	--	6.51	1.99	0.032
80-82	81.0	--	--	--	--	45.28	10.23	--	--	6.13	2.16	0.032
82-84	83.0	--	--	--	--	47.11	10.39	--	--	6.32	2.16	0.033
84-86	85.0	--	--	--	--	47.21	10.38	--	--	6.79	2.07	0.028
86-88	87.0	--	--	--	--	46.49	11.17	--	--	7.78	2.27	0.032
88-90	89.0	--	--	--	--	47.42	10.84	--	--	7.09	2.12	0.031
90-92	91.0	--	--	--	--	46.33	8.74	--	--	6.67	1.75	0.032
92-94	93.0	--	--	--	--	43.11	6.49	--	--	6.02	1.96	0.036
94-96	95.0	--	--	--	--	45.84	9.72	--	--	6.32	1.95	0.038
96-98	97.0	--	--	--	--	46.57	9.58	--	--	7.91	2.17	0.043
98-100	99.0	--	--	--	--	47.37	10.54	--	--	7.24	2.24	0.041
100-102	101.0	--	--	--	--	48.64	7.95	5.57	94.43	6.84	2.07	0.037
102-104	103.0	--	--	--	--	46.93	6.90	3.94	96.06	6.18	1.94	0.031
104-106	105.0	--	--	--	--	49.81	5.14	2.10	97.90	5.93	1.83	0.030
106-108	107.0	--	--	--	--	43.42	9.26	2.66	97.34	6.54	1.69	0.029
108-110	109.0	--	--	--	--	48.64	9.87	10.73	89.27	5.75	1.60	0.026
110-112	111.0	--	--	--	--	44.85	9.42	8.51	91.49	6.05	1.75	0.036

112-114	113.0	--	--	--	--	48.18	9.11	10.33	89.67	6.05	1.70	0.030
114-116	115.0	--	--	--	--	47.06	6.59	5.80	94.20	6.38	1.46	0.028
116-118	117.0	--	--	--	--	46.56	7.32	15.86	84.14	6.14	1.63	0.031
118-120	119.0	--	--	--	--	44.10	7.50	18.68	81.32	6.19	1.67	0.032
120-122	121.0	--	--	--	--	47.33	8.86	6.41	93.59	6.36	1.53	0.029
122-124	123.0	--	--	--	--	48.21	9.60	6.13	93.87	6.70	1.48	0.026
124-126	125.0	--	--	--	--	48.75	13.02	3.97	96.03	6.68	1.50	0.025
126-128	127.0	--	--	--	--	46.71	7.66	1.21	98.79	6.00	1.53	0.029
128-130	129.0	--	--	--	--	47.33	7.98	--	--	6.47	1.41	0.025
130-132	131.0	--	--	--	--	46.35	9.30	3.28	96.72	6.23	1.35	0.033
132-134	133.0	--	--	--	--	46.22	9.96	3.54	96.46	5.62	1.49	0.028
134-136	135.0	--	--	--	--	47.17	6.84	3.78	96.22	5.84	1.38	0.027
136-138	137.0	--	--	--	--	47.22	9.40	--	--	5.94	1.47	0.026
138-140	139.0	--	--	--	--	46.19	7.71	3.80	96.20	5.73	1.33	0.024
140-142	141.0	--	--	--	--	47.79	9.38	4.37	95.63	5.78	1.41	0.024
142-144	143.0	--	--	--	--	45.82	9.19	--	--	5.81	1.31	0.025
144-146	145.0	--	--	--	--	46.01	9.55	7.26	92.74	5.50	1.42	0.025
146-148	147.0	--	--	--	--	44.69	9.34	9.92	90.08	5.65	1.25	0.021
148-150	149.0	--	--	--	--	47.58	8.12	--	--	6.39	1.33	0.031
150-152	151.0	--	--	--	--	48.94	6.98	5.71	94.29	6.67	1.37	0.026
152-154	153.0	--	--	--	--	43.85	7.07	17.22	82.78	5.81	1.47	0.029
154-156	155.0	--	--	--	--	43.27	6.44	19.20	80.80	5.77	1.40	0.027
156-158	157.0	--	--	--	--	40.23	2.87	24.50	75.50	5.50	1.23	0.025
158-160	159.0	--	--	--	--	38.01	6.27	44.54	55.46	4.99	1.49	0.027
160-162	161.0	--	--	--	--	36.26	5.05	42.56	57.44	5.26	1.36	0.024
162-164	163.0	--	--	--	--	35.99	5.61	49.84	50.16	5.05	1.18	0.022
164-166	165.0	--	--	--	--	34.37	2.37	51.48	48.52	5.14	1.33	0.023
166-168	167.0	--	--	--	--	36.22	4.67	50.19	49.81	5.21	1.29	0.022
168-170	169.0	--	--	--	--	29.98	4.41	51.18	48.82	5.16	1.27	0.030
170-172	171.0	--	--	--	--	33.23	4.16	55.40	44.60	5.88	1.29	0.021
172-174	173.0	--	--	--	--	32.16	3.76	48.00	52.00	5.10	1.43	0.026
174-176	175.0	--	--	--	--	32.08	3.64	59.73	40.27	5.37	1.47	0.024
176-178	177.0	--	--	--	--	34.30	5.46	46.85	53.15	4.57	1.33	0.021
178-180	179.0	--	--	--	--	34.24	6.08	44.99	55.01	4.60	1.35	0.020
180-182	181.0	--	--	--	--	32.66	4.73	38.75	61.25	3.98	1.19	0.016
182-184	183.0	--	--	--	--	30.20	5.11	41.57	58.43	5.36	1.65	0.023
184-186	185.0	--	--	--	--	28.86	3.96	47.13	52.87	4.74	1.48	0.024

*Data is for <0.062mm size fraction only.

Core ID: FB596 35 (96-05-26-35)
Core Location: Pass Key Bank, Florida Bay, Florida
Lat/Long: N 25.1478° W 80.5745°
Date Collected: May 26, 1996

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)

0-5	3.5	--	--	--	--	--	--	5.23	94.77	6.37	5.55	0.075
5-10	7.5	--	--	--	--	--	--	6.57	93.43	5.18	5.33	0.073
10-15	12.5	--	--	--	--	--	--	4.21	95.79	4.58	5.50	0.079
15-20	17.5	--	--	--	--	--	--	4.10	95.90	4.37	5.36	0.111
20-25	22.5	--	--	--	--	--	--	4.50	95.50	4.99	5.01	0.084
25-30	27.5	--	--	--	--	--	--	4.21	95.79	4.79	4.92	0.111
30-35	32.5	--	--	--	--	--	--	2.21	97.79	4.79	4.77	0.075
35-40	37.5	--	--	--	--	--	--	4.13	95.87	4.60	4.75	0.070
40-45	42.5	--	--	--	--	--	--	3.02	96.98	4.38	4.50	0.065
45-50	47.5	--	--	--	--	--	--	0.47	99.53	3.98	4.41	0.076
50-55	52.5	--	--	--	--	--	--	1.67	98.33	3.98	4.17	0.064
55-60	57.5	--	--	--	--	--	--	0.83	99.17	4.38	3.90	0.061
60-65	62.5	--	--	--	--	--	--	2.75	97.25	4.79	3.84	0.062
65-70A	67.5	--	--	--	--	--	--	1.75	98.25	4.18	3.50	0.058
65-70B	67.5	--	--	--	--	--	--	--	--	3.78	3.44	0.055
70-74	72	--	--	--	--	--	--	5.39	94.61	3.78	3.62	0.052

*Data is for <0.062mm size fraction only.

Core ID: FB596 37 (96-05-26-37)
Core Location: Pass Key Bank, Florida Bay, Florida
Lat/Long: N 25.1478° W 80.5745°
Date Collected: May 26, 1996

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.0	--	--	--	--	--	--	8.72	87.91	5.39	4.96	0.082
2-4	3.0	--	--	--	--	--	--	0.18	99.75	5.17	5.17	0.077
4-6	5.0	--	--	--	--	--	--	0.47	99.52	5.57	5.40	0.080
6-8	7.0	--	--	--	--	--	--	--	--	5.98	5.42	0.075
8-10	9.0	--	--	--	--	--	--	14.91	80.60	4.78	5.42	0.072
10-12	11.0	--	--	--	--	--	--	--	--	4.79	5.17	0.067
12-14	13.0	--	--	--	--	--	--	19.45	76.07	5.17	5.60	0.093
14-16	15.0	--	--	--	--	--	--	23.00	66.88	4.58	5.89	0.110
16-18	17.0	--	--	--	--	--	--	13.67	80.71	4.78	4.92	0.095
18-20	19.0	--	--	--	--	--	--	10.28	85.93	4.79	4.93	0.082
20-22	21.0	--	--	--	--	--	--	27.57	66.30	4.58	5.14	0.076
22-24	23.0	--	--	--	--	--	--	9.47	88.17	4.78	5.26	0.083
24-26	25.0	--	--	--	--	--	--	9.12	87.81	4.79	4.87	0.073
26-28	27.0	--	--	--	--	--	--	10.29	87.24	4.58	4.99	0.075
28-30	29.0	--	--	--	--	--	--	16.08	82.20	4.37	4.41	0.090
30-32	31.0	--	--	--	--	--	--	7.36	90.14	4.59	5.40	0.094
32-34	33.0	--	--	--	--	--	--	12.82	85.34	4.60	4.52	0.079
34-36	35.0	--	--	--	--	--	--	15.14	80.75	4.99	4.32	0.071
36-38	37.0	--	--	--	--	--	--	23.24	70.53	4.99	5.42	0.094
38-40	39.0	--	--	--	--	--	--	14.36	77.79	6.36	5.48	0.087
40-42	41.0	--	--	--	--	--	--	15.57	81.30	5.17	4.59	0.068

42-44	43.0	--	--	--	--	--	--	16.98	78.49	5.59	4.95	0.073
44-46	45.0	--	--	--	--	--	--	16.93	80.39	4.56	4.79	0.067
46-48	47.0	--	--	--	--	--	--	21.83	71.99	4.76	4.53	0.069
48-50	49.0	--	--	--	--	--	--	28.47	66.53	5.59	4.51	0.067
50-52	51.0	--	--	--	--	--	--	26.66	69.69	5.38	4.44	0.063
52-54	53.0	--	--	--	--	--	--	29.62	62.96	5.37	4.50	0.082
54-56	55.0	--	--	--	--	--	--	30.09	65.82	6.14	4.42	0.073
56-58	57.0	--	--	--	--	--	--	33.01	62.35	5.15	4.53	0.084
58-60	59.0	--	--	--	--	--	--	20.36	78.24	5.74	4.54	0.103
58-60A	59.0	--	--	--	--	--	--	--	--	5.58	4.25	0.027
60-62	61.0	--	--	--	--	--	--	21.09	76.72	5.58	4.05	0.026
62-64	63.0	--	--	--	--	--	--	21.11	76.82	4.97	3.91	0.044
64-66	65.0	--	--	--	--	--	--	25.57	71.88	5.38	3.75	0.026
66-68	67.0	--	--	--	--	--	--	25.80	69.20	5.39	3.86	0.030
68-70	69.0	--	--	--	--	--	--	29.30	65.69	6.00	3.71	0.025
70-72	71.0	--	--	--	--	--	--	20.31	73.28	6.37	4.10	0.056
72-74	73.0	--	--	--	--	--	--	16.68	79.16	6.19	4.73	0.058

*Data is for <0.062mm size fraction only.

Core ID: FB697 21A
Core Location: Pass Key Bank, Florida Bay, Florida
Lat/Long: N 25.1475° W 80.5742°
Date Collected: June 11, 1997

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.0	1.21	0.45	0.45	0.44	62.60	--	2.34	97.66	5.95	5.90	0.094
2-4	3.0	1.44	0.58	1.03	0.55	59.86	--	4.99	95.01	5.91	6.26	0.066
4-6	5.0	1.26	0.46	1.49	0.43	63.49	--	5.86	94.14	5.58	6.41	0.063
6-8	7.0	1.47	0.68	2.17	--	53.51	--	--	--	5.40	5.93	0.064
8-10	9.0	1.44	0.59	2.77	0.55	58.90	--	7.42	92.58	5.19	5.82	0.060
10-12	11.0	1.54	0.69	3.46	0.65	55.15	--	5.58	94.42	6.02	5.71	0.062
12-14	13.0	1.48	0.63	4.09	0.61	57.16	--	3.11	96.89	5.72	5.53	0.051
14-16	15.0	1.59	0.70	4.79	0.68	55.87	--	2.80	97.20	5.61	5.33	0.045
16-18	17.0	1.55	0.70	5.49	0.67	54.69	--	4.75	95.25	5.26	4.97	0.064
18-20	19.0	1.30	0.54	6.03	0.51	58.52	--	5.81	94.19	5.28	5.23	0.062
20-22	21.0	1.52	0.73	6.76	0.73	51.87	--	0.61	99.39	5.56	5.71	0.057
22-24	23.0	1.48	0.52	7.29	0.52	64.51	--	0.77	99.23	5.80	--	--
24-26	25.0	1.54	0.76	8.05	--	50.42	--	--	--	--	--	--
26-28	27.0	1.54	0.82	8.87	0.81	46.86	--	1.26	98.74	5.42	5.53	0.055
28-30	29.0	1.47	0.75	9.62	--	48.74	--	--	--	--	--	--
30-32	31.0	1.47	0.64	10.26	0.63	56.69	--	1.34	98.66	5.50	5.73	0.057
32-34	33.0	1.49	0.73	10.98	0.71	51.20	--	1.60	98.40	5.77	5.34	0.056
34-36	35.0	1.46	0.75	11.74	0.75	48.40	--	1.27	98.73	5.44	--	--
36-38	37.0	1.51	0.82	12.56	0.82	45.63	--	0.62	99.38	5.29	4.73	0.047
38-40	39.0	1.59	0.85	13.41	0.85	46.48	--	0.54	99.46	5.38	4.71	0.047

40-42	41.0	1.57	0.81	14.21	0.80	48.58	--	0.68	99.32	5.18	4.78	0.043
42-44	43.0	1.56	0.84	15.05	0.83	46.27	--	0.80	99.20	5.15	4.64	0.042
44-46	45.0	1.50	0.85	15.90	0.84	43.67	--	1.05	98.95	4.96	4.60	0.042
46-48	47.0	1.50	0.80	16.69	0.78	47.10	--	1.37	98.63	5.12	4.54	0.056
48-50	49.0	1.68	0.95	17.64	0.94	43.26	--	0.93	99.07	5.00	4.60	0.047
50-52	51.0	1.58	0.90	18.54	0.88	43.10	--	2.49	97.51	4.87	4.54	0.046
52-54	53.0	1.60	0.92	19.46	0.91	42.32	--	1.13	98.87	4.62	4.34	0.072
54-56	55.0	1.67	0.98	20.44	0.96	41.22	--	1.65	98.35	4.62	4.35	0.065
56-58	57.0	1.71	1.04	21.48	1.03	39.23	--	0.77	99.23	4.49	4.35	0.075
58-60	59.0	1.62	0.95	22.43	0.94	41.53	--	1.39	98.61	4.38	3.30	0.043
60-62	61.0	1.58	0.91	23.33	0.89	42.80	--	1.76	98.24	4.40	3.21	0.050
62-64	63.0	1.71	1.03	24.36	0.97	39.87	--	5.33	94.67	4.39	2.99	0.041
64-66	65.0	1.66	0.99	25.36	0.97	40.18	--	2.72	97.28	4.35	3.42	0.048
66-68	67.0	1.69	1.05	26.40	1.02	38.14	--	2.44	97.56	4.20	3.12	0.042
68-70	69.0	1.68	1.01	27.41	0.99	39.88	--	1.28	98.72	5.20	3.01	0.036
70-72	71.0	1.58	0.93	28.34	0.92	41.16	--	1.40	98.60	5.16	2.89	0.043
72-74	73.0	1.73	1.03	29.38	--	40.26	--	--	--	--	--	--
74-76	75.0	1.71	1.03	30.41	1.02	39.91	--	0.93	99.07	5.11	3.04	0.045
76-78	77.0	1.58	0.92	31.33	0.90	41.66	--	2.01	97.99	4.99	2.99	0.047
78-80	79.0	1.52	0.89	32.22	0.87	41.59	--	2.07	97.93	4.56	3.30	0.058
80-82	81.0	1.57	0.94	33.15	0.91	40.45	--	2.66	97.34	4.70	3.03	0.053
82-84	83.0	1.65	0.97	34.13	0.94	40.92	--	3.40	96.60	4.58	2.91	0.047
84-86	85.0	1.68	1.01	35.14	0.99	39.78	--	2.07	97.93	4.98	2.70	0.042
86-88	87.0	1.63	0.98	36.12	0.96	39.68	--	2.65	97.35	4.75	2.46	0.037
88-90	89.0	1.60	0.95	37.07	0.92	40.71	--	2.94	97.06	4.54	2.68	0.041
90-92	91.0	1.67	1.02	38.09	0.97	38.94	--	4.67	95.33	4.56	2.38	0.028
92-94	93.0	1.68	0.99	39.08	0.96	41.12	--	3.18	96.82	4.77	2.39	0.025
94-96	95.0	1.70	1.03	40.12	1.01	39.03	--	2.42	97.58	4.80	--	--
96-98	97.0	1.75	1.07	41.19	1.04	38.73	--	2.50	97.50	4.68	2.32	0.023
98-100	99.0	1.78	1.10	42.28	1.07	38.28	--	2.28	97.72	4.97	2.26	0.025
100-102	101.0	1.68	1.02	43.31	0.99	39.17	--	3.35	96.65	5.15	2.10	0.024
102-104	103.0	1.75	1.10	44.40	0.96	37.21	--	12.72	87.28	4.77	1.98	0.028
104-106	105.0	1.74	1.05	45.46	1.00	39.39	--	4.83	95.17	5.09	1.99	0.025

*Data is for <0.062mm size fraction only.

Core ID: FB697 21B
Core Location: Pass Key Bank, Florida Bay, Florida
Lat/Long: N 25.1475° W 80.5742°
Date Collected: June 11, 1997

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.0	--	--	--	--	50.50		5.03	94.97	6.39	5.84	0.056
2-4	3.0	--	--	--	--	51.13		3.58	96.42	5.50	5.84	0.076
4-6	5.0	--	--	--	--	49.42		2.77	97.23	5.91	5.81	0.076
6-8	7.0	--	--	--	--	53.66		3.32	96.68	6.18	6.08	0.085

8-10	9.0	--	--	--	--	47.08	4.64	95.36	6.16	6.17	0.069
10-12	11.0	--	--	--	--	47.29	3.54	96.46	5.84	5.41	0.078
12-14	13.0	--	--	--	--	47.47	4.89	95.11	5.87	5.66	0.063
14-16	15.0	--	--	--	--	49.12	3.74	96.26	5.50	5.13	0.054
16-18	17.0	--	--	--	--	49.27	2.12	97.88	4.86	5.52	0.065
18-20	19.0	--	--	--	--	46.52	1.97	98.03	5.38	5.21	0.058
20-22	21.0	--	--	--	--	53.29	1.33	98.67	5.47	5.46	0.051
22-24	23.0	--	--	--	--	49.92	1.17	98.83	5.36	5.38	0.044
24-26	25.0	--	--	--	--	48.46	1.42	98.58	5.08	4.95	0.042
26-28	27.0	--	--	--	--	48.91	0.80	99.20	5.09	5.31	0.050
28-30	29.0	--	--	--	--	47.90	1.89	98.11	5.18	5.44	0.047
30-32	31.0	--	--	--	--	48.11	1.59	98.41	5.15	5.27	0.050
32-34	33.0	--	--	--	--	47.05	1.30	98.70	5.53	5.54	0.059
34-36	35.0	--	--	--	--	46.53	1.82	98.18	4.80	5.09	0.049
36-38	37.0	--	--	--	--	45.66	1.20	98.80	4.42	4.73	0.045
38-40	39.0	--	--	--	--	44.42	0.81	99.19	4.29	4.82	0.037
40-42	41.0	--	--	--	--	47.74	1.62	98.38	4.14	4.61	0.048
42-44	43.0	--	--	--	--	45.80	1.22	98.78	3.88	4.74	0.052
44-46	45.0	--	--	--	--	43.22	1.04	98.96	4.76	4.64	0.068
46-48	47.0	--	--	--	--	44.31	2.60	97.40	4.57	4.58	0.066
48-50	49.0	--	--	--	--	43.93	2.37	97.63	4.55	4.87	0.076
50-52	51.0	--	--	--	--	45.84	7.42	92.58	4.47	4.42	0.056
52-54	53.0	--	--	--	--	41.02	7.54	92.46	4.60	4.46	0.057
54-56	55.0	--	--	--	--	39.47	5.93	94.07	4.36	4.53	0.058
56-58	57.0	--	--	--	--	45.70	5.21	94.79	4.17	4.27	0.053
58-60	59.0	--	--	--	--	40.52	3.36	96.64	4.11	4.28	0.055
60-62	61.0	--	--	--	--	38.87	2.02	97.98	4.07	4.31	0.079
62-64	63.0	--	--	--	--	37.90	1.22	98.78	3.99	4.45	0.076
64-66	65.0	--	--	--	--	40.63	0.77	99.23	4.19	4.06	0.056
66-68	67.0	--	--	--	--	39.76	2.22	97.78	4.28	4.23	0.062
68-70	69.0	--	--	--	--	37.55	1.58	98.42	4.24	4.14	0.062
70-72	71.0	--	--	--	--	40.67	1.42	98.58	4.52	4.00	0.064
72-74	73.0	--	--	--	--	39.17	2.43	97.57	4.72	3.87	0.059
74-76	75.0	--	--	--	--	38.72	2.10	97.90	4.41	3.69	0.084
76-78	77.0	--	--	--	--	40.67	4.19	95.81	4.43	3.70	0.062
78-80	79.0	--	--	--	--	40.48	3.56	96.44	4.33	--	--
80-82	81.0	--	--	--	--	41.35	6.10	93.90	4.41	3.57	0.055
82-84	83.0	--	--	--	--	41.44	6.41	93.59	4.56	2.98	0.045
84-86	85.0	--	--	--	--	41.33	7.94	92.06	4.38	3.47	0.050
86-88	87.0	--	--	--	--	40.11	11.83	88.17	3.97	2.94	0.043
88-90	89.0	--	--	--	--	37.20	12.69	87.31	3.80	3.19	0.042

*Data is for <0.062mm size fraction only.
ND = Not detected
Tr = Trace quantity, too low to quantify

Core ID: FB697 21E
Core Location: North Pass Key Bank, Florida Bay, Florida

Lat/Long: N 25.1501° W 80.5762°

Date Collected: June 11, 1997

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.0	--	--	--	--	59.91	--	1.82	98.18	6.81	4.84	0.092
2-4	3.0	1.33	0.606	--	0.583	54.44	--	3.85	96.15	6.65	5.31	0.102
4-6	5.0	1.59	0.835	--	0.811	47.61	--	2.95	97.05	6.31	5.23	0.081
6-8	7.0	1.53	0.829	--	0.791	45.80	--	4.62	95.38	6.20	4.91	0.071
8-10	9.0	1.57	0.812	--	0.780	48.19	--	3.91	96.09	6.13	4.64	0.068
10-12	11.0	1.52	0.832	--	0.814	45.20	--	2.10	97.90	6.48	4.70	0.069
12-14	13.0	1.49	0.741	--	0.723	50.14	--	2.49	97.51	6.01	4.43	0.076
14-16	15.0	--	--	--	--	48.02	--	2.87	97.13	5.99	4.46	0.102
16-18	17.0	1.50	0.792	--	0.782	47.01	--	1.32	98.68	5.74	4.26	0.045
18-20	19.0	1.53	0.849	--	0.822	44.48	--	3.13	96.87	5.45	3.96	0.042
20-22	21.0	1.52	0.786	--	0.770	48.15	--	1.99	98.01	6.21	4.11	0.043
22-24	23.0	1.49	0.764	--	0.656	48.65	--	14.11	85.89	5.78	3.64	0.045
24-26	25.0	1.45	0.776	--	0.760	46.36	--	2.05	97.95	5.48	3.66	0.039
26-28	27.0	1.61	0.868	--	0.855	46.09	--	1.43	98.57	5.78	3.63	0.039
28-30	29.0	1.52	0.845	--	--	44.21	--	--	--	--	--	--
30-32	31.0	1.53	0.853	--	0.849	44.37	--	0.45	99.55	5.53	3.31	0.035
32-34	33.0	1.51	0.852	--	0.850	43.57	--	0.17	99.83	6.33	3.47	0.038
34-36	35.0	1.61	0.893	--	0.890	44.47	--	0.28	99.72	5.71	3.47	0.038
36-38	37.0	1.58	0.889	--	0.888	43.63	--	0.13	99.87	5.60	3.18	0.048
38-40	39.0	1.56	0.855	--	0.850	45.29	--	0.68	99.32	5.50	3.38	0.043
40-42	41.0	1.45	0.788	--	0.778	45.58	--	1.31	98.69	5.87	3.20	0.037
42-44	43.0	1.57	0.881	--	0.875	44.07	--	0.60	99.40	5.80	3.29	0.036
44-46	45.0	1.47	0.839	--	0.838	43.00	--	0.13	99.87	5.15	3.08	0.035
46-48	47.0	1.56	0.909	--	0.906	41.84	--	0.27	99.73	5.06	2.92	0.038
48-50	49.0	1.56	0.899	--	0.896	42.55	--	0.37	99.63	5.12	3.40	0.067
50-52	51.0	1.55	0.922	--	0.921	40.60	--	0.06	99.94	4.86	3.27	0.048
52-54	53.0	1.58	0.946	--	0.945	40.19	--	0.04	99.96	4.88	3.07	0.030
54-56	55.0	1.65	1.008	--	1.007	38.96	--	0.03	99.97	4.91	3.01	0.027
56-58	57.0	1.66	1.012	--	1.012	39.01	--	0.02	99.98	4.78	2.95	0.029
58-60	59.0	1.55	0.948	--	0.948	38.91	--	0.00	100.00	4.59	2.90	0.026
60-62	61.0	1.51	0.892	--	0.892	41.11	--	0.05	99.95	5.49	2.87	0.025
62-64	63.0	1.60	0.928	--	0.927	42.03	--	0.07	99.93	5.20	2.90	0.028
64-66	65.0	1.57	0.926	--	0.925	41.18	--	0.15	99.85	5.00	3.00	0.027
66-68	67.0	1.52	0.905	--	0.903	40.44	--	0.21	99.79	5.63	3.00	0.025
68-70	69.0	1.50	0.881	--	0.880	41.42	--	0.17	99.83	5.74	2.96	0.034
70-72	71.0	1.74	1.011	--	1.010	41.93	--	0.06	99.94	5.30	2.87	0.029
72-74	73.0	1.58	0.924	--	0.921	41.52	--	0.34	99.66	5.12	2.82	0.029
74-76	75.0	1.64	0.962	--	0.959	41.42	--	0.28	99.72	5.86	2.88	0.026
76-78	77.0	1.56	0.914	--	0.913	41.23	--	0.14	99.86	5.95	2.87	0.028
78-80	79.0	1.63	0.955	--	0.952	41.46	--	0.31	99.69	5.07	2.95	0.030
80-82	81.0	1.58	0.926	--	0.926	41.32	--	0.06	99.94	5.68	2.87	0.035
82-84	83.0	1.71	0.989	--	0.989	42.26	--	0.05	99.95	5.08	2.80	0.043
84-86	85.0	1.55	0.919	--	0.918	40.64	--	0.18	99.82	5.28	2.82	0.049

86-88	87.0	1.63	0.993	--	0.992	38.92	--	0.12	99.88	5.52	2.65	0.058

*Data is for <0.062mm size fraction only.

ND = Not detected
Tr = Trace quantity, too low to quantify

Core ID: FB697 21F
Core Location: South Pass Key Bank, Florida Bay, Florida
Lat/Long: N 25.1472° W 80.5703°
Date Collected: June 11, 1997

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.0	--	--	--	--	64.32	--	1.70	98.30	6.53	5.61	0.079
2-4	3.0	1.37	0.584	--	0.574	57.23	--	1.84	98.16	6.09	5.39	0.068
4-6	5.0	1.41	0.679	--	0.663	51.78	--	2.38	97.62	6.18	5.92	0.081
6-8	7.0	1.37	0.616	--	0.599	54.93	--	2.78	97.22	5.76	5.62	0.066
8-10	9.0	1.38	0.625	--	0.579	54.56	--	7.34	92.66	6.29	5.47	0.067
10-12	11.0	1.39	0.651	--	0.621	53.22	--	4.55	95.45	6.59	5.57	0.071
12-14	13.0	1.42	0.639	--	0.613	55.03	--	4.04	95.96	6.24	5.26	0.089
14-16	15.0	1.46	0.650	--	0.619	55.64	--	4.77	95.23	6.27	5.23	0.075
16-18	17.0	1.42	0.612	--	0.602	56.87	--	1.62	98.38	6.10	5.06	0.071
18-20	19.0	1.44	0.622	--	0.611	56.72	--	1.74	98.26	6.74	5.11	0.072
20-22	21.0	1.39	0.608	--	0.594	56.36	--	2.44	97.56	6.35	4.94	0.077
22-24	23.0	1.46	0.669	--	0.659	54.13	--	1.47	98.53	6.32	4.55	0.080
24-26	25.0	1.46	0.686	--	0.675	53.03	--	1.64	98.36	5.68	4.41	0.097
26-28	27.0	1.38	0.655	--	0.648	52.43	--	1.16	98.84	5.92	4.62	0.038
28-30	29.0	1.40	0.692	--	0.685	50.53	--	0.89	99.11	5.80	4.50	0.036
30-32	31.0	1.47	0.707	--	0.701	51.96	--	0.83	99.17	5.81	4.31	0.047
32-34	33.0	1.47	0.712	--	0.700	51.63	--	1.65	98.35	6.40	4.42	0.045
34-36	35.0	1.55	0.734	--	0.721	52.64	--	1.81	98.19	5.41	4.33	0.047
36-38	37.0	1.51	0.784	--	0.775	48.20	--	1.18	98.82	6.19	3.99	0.041
38-40	39.0	1.60	0.842	--	0.830	47.38	--	1.44	98.56	5.16	4.08	0.045
40-42	41.0	1.48	0.776	--	0.767	47.58	--	1.17	98.83	5.36	3.83	0.040
42-44	43.0	1.60	0.860	--	0.850	46.31	--	1.16	98.84	4.77	3.68	0.038
44-46	45.0	1.49	0.814	--	0.799	45.39	--	1.82	98.18	5.01	3.81	0.036
46-48	47.0	1.56	0.874	--	0.859	44.05	--	1.68	98.32	4.77	3.52	0.049
48-50	49.0	1.43	0.766	--	0.761	46.51	--	0.75	99.25	4.99	3.65	0.038
50-52	51.0	1.42	0.758	--	0.755	46.70	--	0.45	99.55	5.30	3.65	0.042
52-54	53.0	1.65	0.909	--	0.901	45.07	--	0.86	99.14	5.37	3.89	0.042
54-56	55.0	1.55	0.841	--	0.832	45.91	--	0.99	99.01	5.31	3.52	0.039
56-58	57.0	1.51	0.976	--	0.962	35.28	--	1.48	98.52	4.85	3.52	0.041
58-60	59.0	1.51	0.789	--	0.782	47.65	--	0.91	99.09	5.58	3.29	0.050
60-62	61.0	1.56	0.706	--	0.697	54.83	--	1.16	98.84	5.21	3.11	0.050

*Data is for <0.062mm size fraction only.

**Analyses ran by Jim Budhan, USGS, Denver, CO.

Core ID: FB697 22A
Core Location: South Russell Bank, Florida Bay, Florida
Lat/Long: N 25.0648° W 80.6259°
Date Collected: June 12, 1997

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.0	--	--	--	--	60.05	--	13.82	86.18	7.39	5.34	0.061
2-4	3.0	1.32	0.51	--	0.45	61.54	--	12.26	87.74	8.06	5.01	0.057
4-6	5.0	--	--	--	--	54.35	--	4.63	95.37	7.16	4.97	0.060
6-8	7.0	1.31	0.60	--	0.56	54.51	--	6.58	93.42	6.99	4.63	0.072
8-10	9.0	1.34	0.57	--	0.56	57.78	--	1.78	98.22	6.40	3.81	0.068
10-12	11.0	1.42	0.79	--	0.78	43.95	--	1.50	98.50	6.15	3.79	0.061
12-14	13.0	1.46	0.72	--	0.71	50.54	--	0.80	99.20	5.59	3.67	0.056
14-16	15.0	1.37	0.70	--	0.69	49.01	--	0.62	99.38	5.49	3.75	0.066
16-18	17.0	1.40	0.76	--	0.76	45.24	--	0.33	99.67	5.40	3.54	0.058
18-20	19.0	1.55	0.81	--	0.81	47.33	--	0.61	99.39	6.20	3.52	0.052
20-22	21.0	1.41	0.74	--	0.73	47.86	--	0.65	99.35	5.58	3.57	0.060
22-24	23.0	1.51	0.85	--	0.85	43.44	--	0.51	99.49	6.00	3.23	0.043
24-26	25.0	1.48	0.86	--	0.85	42.15	--	0.32	99.68	5.56	3.45	0.061
26-28	27.0	1.45	0.82	--	0.81	43.57	--	0.21	99.79	5.54	3.52	0.056
28-30	29.0	1.46	0.82	--	0.82	43.51	--	0.21	99.79	5.73	3.36	0.050
30-32	31.0	1.60	0.92	--	0.91	42.58	--	0.33	99.67	5.52	3.01	0.052
32-34	33.0	1.51	0.86	--	0.86	43.07	--	0.21	99.79	5.60	3.18	0.051
34-36	35.0	1.64	0.94	--	0.94	42.54	--	0.10	99.90	5.80	3.13	0.047
36-38	37.0	1.52	0.69	--	0.69	54.30	--	0.10	99.90	5.80	3.26	0.056
38-40	39.0	1.52	0.86	--	0.86	43.19	--	0.34	99.66	5.99	3.10	0.048
40-42	41.0	1.53	0.87	--	0.87	43.07	--	0.07	99.93	5.33	3.25	0.059
42-44	43.0	1.44	0.82	--	0.82	42.63	--	0.05	99.95	5.40	3.15	0.050
44-46	45.0	1.43	0.82	--	0.82	42.77	--	0.09	99.91	5.75	3.16	0.055
46-48	47.0	1.54	0.88	--	0.88	42.75	--	0.29	99.71	5.77	2.91	0.047
48-50	49.0	1.52	0.89	--	0.88	41.86	--	0.51	99.49	5.38	2.64	0.050
50-52	51.0	1.53	0.89	--	0.89	41.68	--	0.45	99.55	5.18	2.72	0.047
52-54	53.0	1.58	0.93	--	0.92	41.43	--	0.63	99.37	5.52	2.67	0.047
54-56	55.0	1.64	0.95	--	0.95	41.97	--	0.58	99.42	5.94	2.44	0.039
56-58	57.0	1.53	0.91	--	0.90	40.97	--	0.73	99.27	5.80	2.63	0.041
58-60	59.0	1.44	0.85	--	0.85	40.99	--	0.37	99.63	5.81	2.45	0.039
60-62	61.0	1.58	0.90	--	0.90	43.02	--	0.31	99.69	5.58	2.33	0.039
62-64	63.0	1.59	0.92	--	0.91	42.21	--	1.09	98.91	5.58	2.16	0.048
64-66	65.0	1.55	0.89	--	0.88	42.50	--	0.63	99.37	6.40	2.29	0.042
66-68	67.0	1.47	0.84	--	0.83	42.91	--	0.32	99.68	6.69	2.08	0.038
68-70	69.0	1.57	0.89	--	0.89	43.09	--	0.28	99.72	6.39	2.82	0.056
70-72	71.0	1.50	0.87	--	0.86	42.30	--	0.45	99.55	5.80	2.35	0.043
72-74	73.0	1.49	0.87	--	0.86	41.36	--	0.89	99.11	5.40	2.31	0.040
74-76	75.0	1.49	0.86	--	0.86	42.18	--	0.46	99.54	5.80	1.98	0.039

76-78	77.0	1.46	0.85	--	0.85	41.89	--	0.26	99.74	6.16	2.21	0.044
78-80	79.0	1.53	0.89	--	0.87	41.93	--	2.14	97.86	6.57	2.08	0.042
80-82	81.0	1.55	0.89	--	0.89	42.68	--	0.25	99.75	6.99	2.10	0.038
82-84	83.0	1.50	0.87	--	0.87	42.01	--	0.72	99.28	6.53	2.34	0.046
84-86	85.0	1.52	0.85	--	0.84	44.16	--	0.30	99.70	6.36	2.44	0.043
86-88	87.0	1.50	0.84	--	0.83	43.95	--	1.22	98.78	6.56	2.16	0.037
88-90	89.0	1.55	0.88	--	0.86	43.02	--	2.66	97.34	6.76	1.93	0.037
90-92	91.0	1.40	0.80	--	0.78	42.69	--	2.34	97.66	6.35	2.16	0.036
92-94	93.0	1.40	0.80	--	0.80	42.48	--	0.59	99.41	6.36	2.16	0.040
94-96	95.0	1.52	0.90	--	0.89	41.06	--	0.99	99.01	6.18	2.01	0.052
96-98	97.0	1.54	0.89	--	0.89	42.30	--	0.12	99.88	6.30	2.09	0.040
98-100	99.0	1.42	0.82	--	0.81	42.62	--	0.36	99.64	7.14	2.10	0.042
100-102	101.0	1.54	0.87	--	0.87	43.12	--	0.65	99.35	6.40	2.13	0.043
102-104	103.0	1.53	0.87	--	0.87	43.12	--	0.39	99.61	6.79	--	--
104-106	105.0	1.50	0.88	--	0.87	41.11	--	1.69	98.31	4.96	1.98	0.036
106-108	107.0	1.49	0.87	--	0.86	42.13	--	0.54	99.46	4.71	2.18	0.039
108-110	109.0	1.60	0.94	--	0.94	41.13	--	0.45	99.55	4.31	2.10	0.037
110-112	111.0	1.50	0.88	--	0.87	41.63	--	0.10	99.90	4.56	1.85	0.028
112-114	113.0	1.44	0.83	--	0.83	42.65	--	0.22	99.78	4.55	1.82	0.028
114-116	115.0	1.50	0.84	--	0.84	43.76	--	0.09	99.91	5.29	1.82	0.038
116-118	117.0	1.51	0.89	--	0.79	41.21	--	10.79	89.21	4.99	--	--

*Data is for <0.062mm size fraction only.

Core ID: FB697 22B
Core Location: South Russell Bank, Florida Bay, Florida
Lat/Long: N 25.0648° W 80.6259°
Date Collected: June 12, 1997

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.0	--	--	--	--	--	--	--	--	7.17	1.89	0.024
2-4	3.0	--	--	--	--	53.25	--	9.28	90.72	7.77	4.97	0.089
4-6	5.0	--	--	--	--	47.13	--	5.32	94.68	7.17	4.41	0.082
6-8	7.0	--	--	--	--	41.10	--	2.06	97.94	7.21	2.39	0.025
8-10	9.0	--	--	--	--	43.22	--	0.73	99.27	5.71	2.22	0.020
10-12	11.0	--	--	--	--	42.29	--	0.89	99.11	5.99	2.54	0.026
12-14	13.0	--	--	--	--	45.44	--	0.38	99.62	6.10	2.41	0.022
14-16	15.0	--	--	--	--	44.09	--	0.23	99.77	6.16	2.43	0.020
16-18	17.0	--	--	--	--	43.38	--	0.40	99.60	5.92	2.52	0.021
18-20	19.0	--	--	--	--	42.80	--	0.25	99.75	5.59	2.60	0.022
20-22	21.0	--	--	--	--	42.58	--	0.28	99.72	5.80	2.52	0.021
22-24	23.0	--	--	--	--	41.90	--	0.44	99.56	6.14	2.61	0.022
24-26	25.0	--	--	--	--	42.26	--	0.12	99.88	6.16	2.74	0.028
26-28	27.0	--	--	--	--	42.07	--	0.16	99.84	6.09	2.56	0.023
28-30	29.0	--	--	--	--	41.87	--	0.26	99.74	5.56	2.75	0.023
30-32	31.0	--	--	--	--	40.91	--	0.26	99.74	5.78	2.63	0.024

32-34	33.0	--	--	--	--	41.29	--	0.07	99.93	5.98	2.76	0.026
34-36	35.0	--	--	--	--	41.30	--	0.08	99.92	6.16	2.74	0.028
36-38	37.0	--	--	--	--	42.59	--	0.10	99.90	5.80	3.42	0.064
38-40	39.0	--	--	--	--	43.59	--	0.37	99.63	5.78	2.79	0.045
40-42	41.0	--	--	--	--	44.05	--	0.24	99.76	5.54	2.59	0.041
42-44	43.0	--	--	--	--	43.11	--	0.05	99.95	5.58	2.59	0.043
44-46	45.0	--	--	--	--	43.52	--	0.05	99.95	5.65	2.58	0.042
46-48	47.0	--	--	--	--	44.41	--	0.07	99.93	6.76	2.73	0.042
48-50	49.0	--	--	--	--	46.45	--	0.09	99.91	5.99	2.48	0.045
50-52	51.0	--	--	--	--	47.30	--	0.15	99.85	5.94	2.63	0.047
52-54	53.0	--	--	--	--	46.78	--	0.15	99.85	5.96	2.66	0.045
54-56	55.0	--	--	--	--	47.29	--	0.50	99.50	5.72	2.78	0.051
56-58	57.0	--	--	--	--	48.03	--	0.10	99.90	6.59	3.07	0.055
58-60	59.0	--	--	--	--	46.75	--	0.01	99.99	5.99	2.86	0.043
60-62	61.0	--	--	--	--	46.11	--	0.23	99.77	5.73	3.83	0.064
62-64	63.0	--	--	--	--	43.33	--	0.59	99.41	5.71	4.00	0.071
64-66	65.0	--	--	--	--	42.53	--	0.57	99.43	5.92	4.06	0.073
66-68	67.0	--	--	--	--	42.59	--	0.13	99.87	6.51	4.15	0.095
68-70	69.0	--	--	--	--	42.20	--	1.55	98.45	6.53	4.13	0.083
70-72	71.0	--	--	--	--	42.20	--	0.35	99.65	6.92	4.09	0.081
72-74	73.0	--	--	--	--	42.73	--	0.51	99.49	6.72	3.55	0.071
74-76	75.0	--	--	--	--	43.23	--	0.50	99.50	6.92	4.10	0.087
76-78	77.0	--	--	--	--	43.85	--	0.57	99.43	7.14	4.15	0.078
78-80	79.0	--	--	--	--	43.03	--	1.46	98.54	8.56	3.78	0.089
80-82	81.0	--	--	--	--	42.76	--	2.59	97.41	7.30	3.92	0.065
82-84	83.0	--	--	--	--	42.53	--	1.08	98.92	7.37	4.34	0.095
84-86	85.0	--	--	--	--	42.11	--	0.52	99.48	6.79	4.17	0.083
86-88	87.0	--	--	--	--	41.97	--	0.15	99.85	6.59	4.19	0.077
88-90	89.0	--	--	--	--	41.64	--	0.18	99.82	6.52	4.41	0.098
90-92	91.0	--	--	--	--	42.75	--	0.49	99.51	6.57	4.52	0.084
92-94	93.0	--	--	--	--	43.06	--	0.40	99.60	5.88	4.02	0.067
94-96	95.0	--	--	--	--	43.08	--	1.00	99.00	5.71	4.08	0.093
96-98	97.0	--	--	--	--	41.61	--	0.79	99.21	5.48	4.19	0.087
98-100	99.0	--	--	--	--	42.36	--	0.29	99.71	5.95	4.44	0.089
100-102	101.0	--	--	--	--	40.74	--	0.33	99.67	5.77	4.86	0.106
102-104	103.0	--	--	--	--	41.13	--	0.10	99.90	5.99	4.55	0.095
104-106	105.0	--	--	--	--	42.44	--	0.16	99.84	6.00	4.62	0.089
106-108	107.0	--	--	--	--	43.05	--	0.58	99.42	5.95	4.38	0.096
108-110	109.0	--	--	--	--	35.97	--	27.87	72.13	5.79	2.13	0.033
110-112	111.0	--	--	--	--	41.28	--	21.87	78.13	6.05	1.98	0.038
112-114	113.0	--	--	--	--	39.71	--	15.72	84.28	6.23	1.95	0.034
114-116	115.0	--	--	--	--	37.55	--	9.52	90.48	6.18	1.87	0.036

*Data is for <0.062mm size fraction only.

Core ID: FB697 22D
Core Location: South Russell Bank, Florida Bay, Florida
Lat/Long: N 25.0646° W 80.6258°

Date Collected: June 12, 1997

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.0	1.39	0.52	0.52	0.50	62.12		5.61	94.39	6.43	4.38	0.066
2-4	3.0	1.44	0.61	1.14	0.58	57.36		5.99	94.01	6.85	4.26	0.061
4-6	5.0	1.39	0.55	1.69	0.53	60.30		4.11	95.89	6.32	4.31	0.066
6-8	7.0	1.41	0.60	2.29	0.59	57.23		2.79	97.21	5.99	4.15	0.063
8-10	9.0	1.49	0.80	3.09	0.78	46.33		2.14	97.86	5.99	4.08	0.077
10-12	11.0	1.56	0.89	3.98	0.88	43.16		0.80	99.20	5.84	3.75	0.054
12-14	13.0	1.62	0.96	4.94	0.95	40.90		1.11	98.89	5.00	3.45	0.051
14-16	15.0	1.61	0.89	5.83	0.87	44.86		1.90	98.10	5.64	3.22	0.050
16-18	17.0	1.53	0.85	6.68	0.84	44.01		1.62	98.38	5.20	3.17	0.048
18-20	19.0	1.50	0.82	7.50	0.79	45.20		4.03	95.97	5.41	3.06	0.044
20-22	21.0	1.50	0.81	8.32	0.78	45.51		4.05	95.95	5.71	2.77	0.041
22-24	23.0	1.50	0.73	9.05	0.71	51.44		1.85	98.15	5.54	3.33	0.046
24-26	25.0	1.45	0.71	9.76	0.69	51.09		2.46	97.54	5.63	3.01	0.042
26-28	27.0	1.47	0.73	10.49	0.71	50.21		2.93	97.07	5.71	2.77	0.040
28-30	29.0	1.47	0.79	11.28	0.76	46.59		3.75	96.25	5.79	2.75	0.054
30-32	31.0	1.48	0.79	12.07	0.76	46.50		4.45	95.55	5.66	3.08	0.055
32-34	33.0	1.48	0.74	12.81	0.70	50.01		4.71	95.29	6.04	3.02	0.054
34-36	35.0	1.50	0.76	13.57	0.71	49.63		5.87	94.13	6.36	2.85	0.045
36-38	37.0	1.43	0.74	14.31	0.72	48.26		2.82	97.18	6.07	2.84	0.045
38-40	39.0	1.45	0.74	15.05	0.71	48.88		3.80	96.20	5.80	2.66	0.059
40-42	41.0	1.45	0.71	15.76	0.68	50.92		5.02	94.98	6.11	2.58	0.058
42-44	43.0	1.49	0.74	16.50	0.71	50.10		4.68	95.32	6.21	2.54	0.037
44-46	45.0	1.47	0.77	17.28	0.71	47.48		7.48	92.52	5.95	2.44	0.037
46-48	47.0	1.49	0.75	18.03	0.67	49.46		10.39	89.61	5.62	2.30	0.045
48-50	49.0	1.47	0.79	18.81	0.72	46.51		8.92	91.08	6.20	2.44	0.041
50-52	51.0	1.42	0.72	19.54	0.69	49.32		5.08	94.92	5.95	2.34	0.038
52-54	53.0	1.47	0.74	20.28	0.72	49.51		3.02	96.98	6.50	2.19	0.037
54-56	55.0	1.51	0.78	21.06	0.72	48.09		7.55	92.45	6.46	2.16	0.035
56-58	57.0	1.44	0.74	21.80	0.71	48.78		3.91	96.09	6.25	2.20	0.045
58-60	59.0	1.38	0.75	22.55	0.72	45.99		3.71	96.29	6.15	2.16	0.049
60-62	61.0	1.51	0.80	23.35	0.77	46.89		3.97	96.03	5.44	2.03	0.022
62-64	63.0	1.53	0.84	24.19	0.82	44.83		2.55	97.45	5.57	2.06	0.031
64-66	65.0	1.52	0.82	25.01	0.81	45.79		1.20	98.80	6.31	2.02	0.028
66-68	67.0	1.49	0.81	25.83	0.81	45.40		0.21	99.79	5.57	2.09	0.025
68-70	69.0	1.42	0.77	26.60	0.77	45.57		0.24	99.76	5.11	1.95	0.021
70-72	71.0	1.55	0.93	27.53	0.92	40.15		0.45	99.55	5.86	1.94	0.023
72-74	73.0	1.66	0.98	28.51	0.97	40.84		0.47	99.53	6.51	1.89	0.026
74-76	75.0	1.52	0.91	29.41	0.90	40.52		1.10	98.90	5.87	1.88	0.031
76-78	77.0	1.62	0.95	30.36	0.95	41.63		0.16	99.84	5.40	1.96	0.025
78-80	79.0	1.52	0.88	31.24	0.88	42.21		0.25	99.75	6.25	1.96	0.029
80-82	81.0	1.53	0.89	32.13	0.89	41.73		0.07	99.93	6.41	1.89	0.024
82-84	83.0	1.46	0.82	32.95	0.82	43.73		0.51	99.49	5.84	1.95	0.025
84-86	85.0	1.46	0.83	33.78	0.83	43.29		0.35	99.65	7.00	1.83	0.024
86-88	87.0	1.57	0.89	34.67	0.88	43.56		0.59	99.41	9.30	1.88	0.023

88-90	89.0	1.57	0.90	35.57	0.89	42.85		0.55	99.45	5.19	1.89	0.020
90-92	91.0	1.52	0.89	36.46	0.88	41.41		1.49	98.51	5.38	1.85	0.020
92-94	93.0	1.55	0.96	37.42	0.95	37.85		0.82	99.18	4.72	1.88	0.022
94-96	95.0	1.55	1.11	38.53	1.10	28.39		0.74	99.26	4.55	2.01	0.025
96-98	97.0	1.66	0.96	39.50	0.96	42.02		0.31	99.69	4.57	1.91	0.025
98-100	99.0	1.63	0.93	40.43	0.93	42.85		0.49	99.51	4.64	1.81	0.021
100-102	101.0	1.56	0.98	41.41	0.97	37.29		0.42	99.58	5.00	1.81	0.020
102-104	103.0	1.69	1.08	42.49	1.06	36.14		2.26	97.74	5.83	1.74	0.019
104-106	105.0	1.59	1.04	43.53	1.03	34.38		1.04	98.96	5.08	1.83	0.019
106-108	107.0	1.60	1.05	44.58	1.04	34.30		0.66	99.34	4.78	1.71	0.026
108-110	109.0	1.63	1.06	45.64	1.06	34.73		0.34	99.66	4.72	1.70	0.022
110-112	111.0	1.70	1.02	46.66	0.92	40.12		9.10	90.90	4.77	1.68	0.020
112-114	113.0	1.62	1.00	47.66	0.96	38.21		3.92	96.08	7.57	1.82	0.022
114-116	115.0	1.59	0.97	48.63	0.96	39.10		0.95	99.05	5.58	1.59	0.019
116-118	117.0	1.63	0.91	49.54	0.90	44.15		0.71	99.29	5.27	1.60	0.019
118-120	119.0	1.62	0.95	50.49	0.94	41.73		1.02	98.98	4.98	1.63	0.020
120-122	121.0	1.57	1.03	51.51	1.00	34.85		2.19	97.81	5.18	1.55	0.026

*Data is for <0.062mm size fraction only.

Core ID: FB697 23A
Core Location: Park Key Bank, Florida Bay, Florida
Lat/Long: N 25.1045° W 80.5746°
Date Collected: June 13, 1997

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.0	--	--	--	--	--	--	33.57	66.43	6.92	--	--
2-4	3.0	1.21	0.62	--	0.43	48.70	5.82	30.62	69.38	5.94	4.77	0.060
4-6	5.0	1.35	0.61	--	0.48	55.10	8.19	20.53	79.47	5.94	4.09	0.052
6-8	7.0	1.33	--	--	--	--	7.82	16.89	83.11	5.94	3.81	0.073
8-10	9.0	1.21	0.65	--	0.58	46.71	6.62	10.79	89.21	5.99	3.57	0.052
10-12	11.0	1.34	0.76	--	0.71	43.83	7.05	5.60	94.40	6.16	3.18	0.050
12-14	13.0	1.51	0.72	--	0.68	52.47	8.50	4.87	95.13	5.96	2.75	0.049
14-16	15.0	1.34	0.72	--	0.70	45.91	8.39	3.80	96.20	5.17	3.16	0.057
16-18	17.0	1.33	0.69	--	0.68	47.85	8.12	2.60	97.40	4.96	3.27	0.052
18-20	19.0	1.55	0.89	--	0.87	42.57	7.37	2.26	97.74	5.13	2.77	0.051
20-22	21.0	1.49	0.88	--	0.85	40.77	--	3.87	96.13	4.80	2.60	0.035
22-24	23.0	1.60	0.89	--	0.88	44.46	7.71	1.30	98.70	5.20	2.58	0.044
24-26	25.0	1.42	0.79	--	0.78	44.58	8.13	0.75	99.25	4.50	2.90	0.046
26-28	27.0	1.49	0.86	--	0.86	42.32	8.44	0.32	99.68	4.71	2.72	0.046
28-30	29.0	1.64	0.95	--	0.94	42.30	8.10	0.45	99.55	4.64	2.61	0.042
30-32	31.0	1.56	0.89	--	0.88	42.92	8.81	1.40	98.60	6.14	2.65	0.041
32-34	33.0	1.53	0.88	--	0.87	42.42	8.70	1.13	98.87	5.17	2.49	0.044
34-36	35.0	1.51	0.86	--	0.85	43.23	7.96	0.69	99.31	5.91	2.55	0.042
36-38	37.0	1.68	0.98	--	0.97	41.60	8.02	0.62	99.38	4.96	2.48	0.038
38-40	39.0	1.62	0.88	--	0.87	45.92	9.10	0.27	99.73	5.15	2.51	0.054

40-42	41.0	1.50	0.84	--	0.83	44.09	9.03	0.37	99.63	5.38	2.45	0.044
42-44	43.0	1.52	0.84	--	0.82	44.92	8.22	1.88	98.12	4.79	2.33	0.039
44-46	45.0	1.62	0.93	--	0.91	42.63	8.70	1.81	98.19	5.78	2.12	0.039
46-48	47.0	1.49	0.85	--	0.83	43.00	9.46	2.27	97.73	5.52	2.31	0.040
48-50	49.0	1.48	0.81	--	0.76	45.14	8.16	7.03	92.97	5.06	2.36	0.038
50-52	51.0	1.65	0.97	--	0.94	41.26	6.38	2.49	97.51	4.76	2.38	0.034
52-54	53.0	1.58	0.94	--	0.87	40.48	6.09	7.05	92.95	5.17	2.22	0.032
54-56	55.0	1.65	0.97	--	0.95	40.80	6.67	2.03	97.97	5.40	2.26	0.036
56-58	57.0	1.43	0.84	--	0.83	41.47	7.43	1.32	98.68	4.98	2.19	0.031
58-60	59.0	1.60	0.94	--	0.93	41.27	--	1.17	98.83	5.06	2.23	0.031
60-62	61.0	1.51	0.89	--	0.89	40.88	7.93	0.80	99.20	5.17	2.06	0.034
62-64	63.0	1.51	0.90	--	--	40.52	7.96	--	--	--	--	--
64-66	65.0	1.69	0.99	--	--	41.60	7.77	--	--	--	--	--
66-68	67.0	1.60	0.94	--	0.94	41.21	7.67	0.13	99.87	5.37	2.17	0.031
68-70	69.0	1.47	0.84	--	0.83	42.67	8.27	0.95	99.05	5.37	2.16	0.033
70-72	71.0	1.50	0.86	--	--	42.54	7.91	--	--	--	--	--
72-74	73.0	1.53	0.88	--	--	42.75	8.16	--	--	--	--	--
74-76	75.0	1.63	0.96	--	0.95	41.05	7.75	1.04	98.96	4.96	2.00	0.038
76-78	77.0	1.58	0.95	--	0.93	39.53	8.11	2.98	97.02	4.79	2.15	0.032
78-80	79.0	1.55	0.93	--	0.91	39.91	7.51	2.87	97.13	4.94	2.04	0.035
80-82	81.0	1.58	0.94	--	0.92	40.80	7.83	1.33	98.67	5.00	2.21	0.042
82-84	83.0	1.74	1.04	--	1.04	40.13	8.18	0.82	99.18	4.95	1.95	0.034
84-86	85.0	1.55	0.91	--	0.91	41.43	8.02	0.23	99.78	5.49	2.00	0.027

*Data is for <0.062mm size fraction only.

Core ID: FB697 24A
Core Location: Bob Allen Bank, Florida Bay, Florida
Lat/Long: N 25.0242° W 80.5640°
Date Collected: June 13, 1997

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.0	--	--	--	--	67.49		12.02	87.98	9.80	4.00	0.059
2-4	3.0	--	--	--	--	58.98		8.19	91.81	9.76	3.80	0.066
4-6	5.0	--	--	--	--	60.81		7.19	92.81	9.61	3.69	0.054
6-8	7.0	--	--	--	--	61.03		6.93	93.07	9.38	3.88	0.058
8-10	9.0	--	--	--	--	61.71		4.75	95.25	9.62	3.73	0.073
10-12	11.0	--	--	--	--	61.19		5.20	94.80	9.60	3.59	0.056
12-14	13.0	--	--	--	--	60.96		--	--	--	--	--
14-16	15.0	--	--	--	--	55.90		3.56	96.44	8.71	--	--
16-18	17.0	--	--	--	--	55.52		5.43	94.57	8.12	3.10	0.058
18-20	19.0	--	--	--	--	57.80		3.37	96.63	8.12	3.11	0.072
20-22	21.0	--	--	--	--	60.14		3.31	96.69	8.60	2.60	0.054
22-24	23.0	--	--	--	--	57.62		6.82	93.18	8.43	2.75	0.054
24-26	25.0	--	--	--	--	58.67		5.56	94.44	8.88	2.79	0.051
26-28	27.0	--	--	--	--	62.38		7.51	92.49	8.54	2.52	0.042

28-30	29.0	--	--	--	--	61.28	6.49	93.51	8.60	2.56	0.042
30-32	31.0	--	--	--	--	57.04	2.45	97.55	8.95	2.54	0.042
32-34	33.0	--	--	--	--	54.64	5.97	94.03	8.43	2.43	0.039
34-36	35.0	--	--	--	--	55.26	1.81	98.19	8.51	2.31	0.038
36-38	37.0	--	--	--	--	53.64	6.20	93.80	8.58	2.35	0.048
38-40	39.0	--	--	--	--	15.67	5.44	94.56	8.20	2.73	0.070
40-42	41.0	--	--	--	--	55.10	2.08	97.92	7.95	2.19	0.039
42-44	43.0	--	--	--	--	53.87	4.57	95.43	7.77	2.55	0.063
44-46	45.0	--	--	--	--	40.51	4.00	96.00	7.78	2.55	0.059
46-48	47.0	--	--	--	--	56.12	5.24	94.76	8.17	2.10	0.047
48-50	49.0	--	--	--	--	54.63	3.42	96.58	8.96	2.04	0.038
50-52	51.0	--	--	--	--	52.82	1.21	98.79	8.50	2.12	0.037
52-54	53.0	--	--	--	--	52.43	0.96	99.04	8.17	1.94	0.034
54-56	55.0	--	--	--	--	51.87	1.55	98.45	7.97	2.03	0.036
56-58	57.0	--	--	--	--	51.57	0.91	99.09	7.77	2.09	0.036
58-60	59.0	--	--	--	--	51.44	3.60	96.40	7.80	1.90	0.029
60-62	61.0	--	--	--	--	52.10	4.00	96.00	7.97	1.75	0.028
62-64	63.0	--	--	--	--	52.81	--	--	--	--	--
64-66	65.0	--	--	--	--	53.15	--	--	--	--	--
66-68	67.0	--	--	--	--	54.17	2.83	97.17	9.40	1.67	0.027
68-70	69.0	--	--	--	--	56.02	1.49	98.51	9.77	1.67	0.025
70-72	71.0	--	--	--	--	52.85	2.85	97.15	8.95	1.77	0.038
72-74	73.0	--	--	--	--	54.23	3.78	96.22	8.68	1.71	0.031
74-76	75.0	--	--	--	--	53.55	6.07	93.93	8.51	1.76	0.035
76-78	77.0	--	--	--	--	44.18	22.32	77.68	7.40	1.49	0.020
78-80	79.0	--	--	--	--	43.09	35.68	64.32	6.92	1.59	0.022
80-82	81.0	--	--	--	--	38.43	33.50	66.50	6.79	1.41	0.025
82-84	83.0	--	--	--	--	46.28	29.93	70.07	6.99	1.42	0.020
84-86	85.0	--	--	--	--	46.83	28.16	71.84	7.37	1.47	0.018
86-88	87.0	--	--	--	--	45.76	27.05	72.95	7.55	1.39	0.019
88-90	89.0	--	--	--	--	47.03	22.41	77.59	8.38	1.84	0.022
90-92	91.0	--	--	--	--	48.23	15.70	84.30	7.78	1.47	0.019
92-94	93.0	--	--	--	--	47.81	10.57	89.43	7.40	1.44	0.019
94-96	95.0	--	--	--	--	47.44	7.24	92.76	7.80	1.51	0.026
96-98	97.0	--	--	--	--	44.73	11.77	88.23	7.20	1.46	0.021
98-100	99.0	--	--	--	--	43.80	11.78	88.22	7.16	1.41	0.019
100-102	101.0	--	--	--	--	39.60	12.71	87.29	6.99	1.64	0.022
102-104	103.0	--	--	--	--	42.58	15.40	84.60	6.73	1.41	0.021
104-106	105.0	--	--	--	--	46.51	11.06	88.94	6.77	1.45	0.020
106-108	107.0	--	--	--	--	46.18	7.14	92.86	7.00	1.45	0.024
108-110	109.0	--	--	--	--	42.94	9.41	90.59	6.93	1.36	0.028
110-112	111.0	--	--	--	--	49.02	2.53	97.47	6.00	1.30	0.034
112-114	113.0	--	--	--	--	46.80	2.14	97.86	5.58	1.41	0.026
114-116	115.0	--	--	--	--	49.03	1.50	98.50	5.78	1.47	0.031
116-118	117.0	--	--	--	--	47.26	1.97	98.03	5.40	1.26	0.026
118-120	119.0	--	--	--	--	47.55	1.56	98.44	5.37	1.38	0.028
120-122	121.0	--	--	--	--	44.79	1.03	98.97	5.78	1.34	0.028
122-124	123.0	--	--	--	--	46.99	1.63	98.37	6.37	1.44	0.027
124-126	125.0	--	--	--	--	42.07	7.32	92.68	6.15	1.38	0.025

126-128	127.0	--	--	--	--	40.56		9.32	90.68	6.20	1.37	0.036
128-130	129.0	--	--	--	--	44.22		13.36	86.64	8.33	1.34	0.030
130-132	131.0	--	--	--	--	39.18		13.27	86.73	5.19	1.37	0.028
132-134	133.0	--	--	--	--	39.08		16.11	83.89	5.56	1.29	0.030
134-136	135.0	--	--	--	--	37.27		23.19	76.81	5.98	1.28	0.028
136-138	137.0	--	--	--	--	37.19		27.88	72.12	5.79	1.42	0.028

*Data is for <0.062mm size fraction only.

Core ID: FB697 24C
Core Location: Bob Allen Bank, Florida Bay, Florida
Lat/Long: N 25.0242° W 80.5640°
Date Collected: 06/13/97

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.0	--	--	--	--	69.34	--	17.44	82.56	8.42	4.32	0.039
2-4	3.0	--	--	--	--	64.74	--	13.56	86.44	8.75	4.16	0.039
4-6	5.0	1.17	0.36	--	0.29	69.57	--	17.42	82.58	8.58	3.88	0.036
6-8	7.0	1.21	0.38	--	0.32	68.41	--	16.24	83.76	8.61	3.93	0.034
8-10	9.0	--	--	--	--	--	--	11.93	88.07	8.41	3.95	0.034
10-12	11.0	0.93	0.31	--	0.26	66.20	--	17.33	82.67	8.57	3.05	0.025
12-14	13.0	1.04	0.41	--	0.38	60.27	--	7.59	92.41	7.94	3.13	0.026
14-16	15.0	1.01	0.35	--	0.31	65.26	--	10.59	89.41	7.59	2.92	0.025
16-18	17.0	1.02	0.34	--	0.32	66.59	--	5.66	94.34	8.00	2.92	0.037
18-20	19.0	0.86	0.28	--	0.27	67.67	--	3.52	96.48	8.68	2.98	0.032
20-22	21.0	1.01	0.33	--	0.32	66.94	--	4.16	95.84	7.80	2.82	0.031
22-24	23.0	--	--	--	--	--	--	3.90	96.10	8.17	2.78	0.027
24-26	25.0	1.08	0.38	--	0.34	64.94	--	9.85	90.15	7.80	2.77	0.026
26-28	27.0	0.99	0.37	--	0.35	63.09	--	3.27	96.73	7.71	2.59	0.037
28-30	29.0	0.86	0.33	--	0.31	61.92	--	3.82	96.18	8.14	2.79	0.039
30-32	31.0	1.00	0.37	--	0.36	62.62	--	4.62	95.38	7.80	2.75	0.051
32-34	33.0	0.96	0.38	--	0.35	60.21	--	8.19	91.81	8.12	2.60	0.039
34-36	35.0	1.12	0.43	--	0.40	61.18	--	8.70	91.30	7.90	2.41	0.024
36-38	37.0	1.04	0.41	--	0.37	60.39	--	11.01	88.99	6.97	2.16	0.023
38-40	39.0	1.08	0.43	--	0.40	59.77	--	6.55	93.45	7.55	2.26	0.023
40-42	41.0	1.11	0.46	--	0.41	59.04	--	9.13	90.87	7.14	2.25	0.020
42-44	43.0	1.20	0.55	--	0.54	54.14	--	1.96	98.04	6.99	1.89	0.020
44-46	45.0	1.09	0.49	--	0.48	55.47	--	1.02	98.98	7.30	1.96	0.018
46-48	47.0	0.94	0.40	--	0.39	56.95	--	4.70	95.30	7.50	2.02	0.026
48-50	49.0	1.00	0.44	--	0.42	55.78	--	4.02	95.98	7.06	1.96	0.024
50-52	51.0	1.27	0.57	--	0.56	54.88	--	2.02	97.98	7.43	1.95	0.026
52-54	53.0	1.00	0.45	--	0.42	54.91	--	6.44	93.56	7.30	1.99	0.025
54-56	55.0	1.03	0.45	--	0.42	56.00	--	7.71	92.29	7.11	1.93	0.025
56-58	57.0	1.07	0.46	--	0.43	57.37	--	5.41	94.59	8.51	1.84	0.023
58-60	59.0	1.04	0.43	--	0.42	59.05	--	2.09	97.91	9.45	1.78	0.024
60-62	61.0	1.03	0.41	--	0.40	60.64	--	1.87	98.13	9.29	1.72	0.022

62-64	63.0	1.10	0.47	--	0.45	57.55	--	2.40	97.60	9.15	1.70	0.024
64-66	65.0	1.17	0.51	--	0.51	56.28	--	1.21	98.79	9.09	1.69	0.035
66-68	67.0	1.13	0.49	--	0.48	57.14	--	1.70	98.30	9.13	1.73	0.025
68-70	69.0	1.12	0.50	--	0.47	55.62	--	4.77	95.23	8.86	1.67	0.024
70-72	71.0	1.06	0.49	--	0.46	53.46	--	6.87	93.13	6.68	1.55	0.024
72-74	73.0	1.25	0.60	--	0.55	51.82	--	8.37	91.63	7.34	1.61	0.027
74-76	75.0	1.13	0.54	--	0.51	51.81	--	6.39	93.61	7.33	1.61	0.030
76-78	77.0	1.10	0.52	--	0.49	52.76	--	5.70	94.30	6.88	1.47	0.024
78-80	79.0	1.01	0.48	--	0.46	52.05	--	5.07	94.93	6.47	1.52	0.031
80-82	81.0	1.21	0.62	--	0.60	48.86	--	3.88	96.12	7.69	1.54	0.025
82-84	83.0	1.19	0.58	--	0.57	51.00	--	1.64	98.36	7.48	1.49	0.024
84-86	85.0	1.15	0.57	--	0.56	50.57	--	2.18	97.82	7.34	1.49	0.021
86-88	87.0	1.06	0.51	--	0.49	52.04	--	2.77	97.23	7.92	1.54	0.023
88-90	89.0	1.16	0.57	--	0.56	50.58	--	1.50	98.50	7.52	1.45	0.022
90-92	91.0	1.23	0.60	--	0.59	51.34	--	1.03	98.97	7.07	1.47	0.025
92-94	93.0	1.07	0.55	--	0.55	49.05	--	0.20	99.80	7.33	1.58	0.030
94-96	95.0	1.23	0.60	--	0.60	50.96	--	0.79	99.21	7.14	1.43	0.025
96-98	97.0	1.18	0.59	--	0.58	50.13	--	1.09	98.91	7.16	1.42	0.022
98-100	99.0	1.34	0.69	--	0.68	48.17	--	2.36	97.64	7.69	1.51	0.024
100-102	101.0	1.05	0.54	--	0.53	48.33	--	2.51	97.49	6.68	1.39	0.021
102-104	103.0	1.23	0.63	--	0.62	48.59	--	1.65	98.35	6.52	1.58	0.028
104-106	105.0	1.21	0.63	--	0.62	48.11	--	1.90	98.10	6.73	1.44	0.023
106-108	107.0	1.22	0.64	--	0.62	47.46	--	2.67	97.33	6.32	1.36	0.026
108-110	109.0	1.18	0.63	--	0.62	46.93	--	1.52	98.48	6.37	1.49	0.031
110-112	111.0	1.03	0.56	--	0.55	45.29	--	1.68	98.32	6.16	1.46	0.030
112-114	113.0	1.18	0.64	--	0.63	45.27	--	1.53	98.47	6.10	1.50	0.030
114-116	115.0	1.39	0.75	--	0.73	45.78	--	2.77	97.23	6.48	1.41	0.023
116-118	117.0	1.12	0.63	--	0.59	43.68	--	6.50	93.50	6.29	1.41	0.024

*Data is for <0.062mm size fraction only.

Core ID: FB697 24D
Core Location: Bob Allen Bank, Florida Bay, Florida
Lat/Long: N 25.0241° W 80.6646°
Date Collected: June 13, 1997

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.0	0.90	0.28	0.27	--	69.06	7.19	2.67	97.33	--	--	--
2-4	3.0	1.19	0.40	0.40	--	66.39	7.99	0.18	99.82	9.32	3.93	0.077
4-6	5.0	1.32	0.50	0.50	--	62.14	7.54	0.11	99.89	8.91	3.81	0.058
6-8	7.0	1.37	0.52	0.52	--	61.70	7.76	0.16	99.84	8.60	3.64	0.057
8-10	9.0	1.29	0.53	0.53	--	58.73	7.44	0.15	99.85	--	--	--
10-12	11.0	1.22	0.48	0.47	--	61.08	8.70	0.20	99.80	8.57	3.81	0.054
12-14	13.0	1.19	0.45	0.45	--	62.18	8.22	0.32	99.68	8.53	3.98	0.057
14-16	15.0	1.27	0.49	0.48	--	61.41	8.01	2.01	97.99	9.36	3.60	0.051
16-18	17.0	1.34	0.54	0.44	--	60.02	7.13	17.64	82.36	8.73	3.15	0.067

18-20	19.0	1.22	0.48	0.44	--	60.43	7.77	8.75	91.25	--	--	--
20-22	21.0	1.27	0.50	0.48	--	60.31	8.53	4.81	95.19	8.98	3.02	0.050
22-24	23.0	1.37	0.53	0.51	--	60.97	7.75	3.54	96.46	9.13	3.07	0.054
24-26	25.0	1.29	0.50	0.48	--	61.20	8.48	4.31	95.69	8.58	2.95	0.048
26-28	27.0	1.26	0.51	0.50	--	59.35	8.07	2.47	97.53	8.68	2.82	0.045
28-30	29.0	1.30	0.54	0.51	--	58.85	8.15	4.23	95.77	--	--	--
30-32	31.0	1.35	0.51	0.50	--	62.06	8.50	3.51	96.49	9.76	2.58	0.041
32-34	33.0	1.33	0.48	0.46	--	64.00	8.42	2.82	97.18	9.54	2.46	0.046
34-36	35.0	1.30	0.54	0.52	--	58.34	8.08	4.51	95.49	8.76	2.24	0.037
36-38	37.0	1.41	0.63	0.61	--	55.47	6.94	3.13	96.87	7.95	2.39	0.041
38-40	39.0	1.44	0.63	0.61	--	56.10	7.83	3.14	96.86	8.01	2.31	0.038
40-42	41.0	1.31	0.56	0.55	--	57.17	7.73	2.05	97.95	8.40	2.43	0.052
42-44	43.0	1.36	0.59	0.57	--	56.34	8.06	3.78	96.22	8.58	2.25	0.040
44-46	45.0	1.36	0.61	0.60	--	55.02	7.59	1.38	98.62	7.77	1.60	0.032
46-48	47.0	1.32	0.60	0.59	--	54.33	7.22	3.03	96.97	7.75	2.17	0.050
48-50	49.0	1.37	0.63	0.62	--	53.61	8.02	2.34	97.66	7.92	2.01	0.035
50-52	51.0	1.38	0.64	0.62	--	53.42	8.35	3.71	96.29	--	--	--
52-54	53.0	1.43	0.70	0.66	--	50.64	8.25	6.69	93.31	--	--	--
54-56	55.0	1.38	0.71	0.68	--	48.63	8.17	3.85	96.15	--	--	--
56-58	57.0	1.52	0.74	0.71	--	51.46	8.03	3.17	96.83	--	--	--
58-60	59.0	1.43	0.70	0.67	--	50.63	7.26	4.47	95.53	--	--	--
60-62	61.0	1.47	0.74	0.69	--	49.43	7.55	7.21	92.79	--	--	--
62-64	63.0	1.36	0.66	0.66	--	51.27	8.07	1.10	98.90	--	--	--
64-66	65.0	1.46	0.71	0.69	--	51.23	8.16	2.16	97.84	--	--	--
66-68	67.0	1.39	0.67	0.65	--	51.83	8.10	2.85	97.15	--	--	--
68-70	69.0	1.53	0.78	0.73	--	49.28	7.35	5.70	94.30	--	--	--
70-72	71.0	1.45	0.72	0.69	--	50.23	7.85	3.94	96.06	--	--	--
72-74	73.0	1.48	0.72	0.70	--	51.57	8.33	3.04	96.96	--	--	--
74-76	75.0	1.34	0.62	0.61	--	53.58	8.94	1.77	98.23	--	--	--
76-78	77.0	1.43	0.65	0.64	--	54.36	8.80	1.67	98.33	--	--	--
78-80	79.0	1.37	0.67	0.65	--	51.14	8.17	3.27	96.73	--	--	--
80-82	81.0	1.46	0.71	0.68	--	51.14	8.31	5.05	94.95	--	--	--
82-84	83.0	1.45	0.73	0.66	--	49.35	7.55	10.70	89.30	--	--	--
84-86	85.0	1.43	0.71	0.58	--	50.40	6.75	18.58	81.42	--	--	--
86-88	87.0	1.63	0.79	0.62	--	51.39	7.65	21.94	78.06	--	--	--
88-90	89.0	1.43	0.72	0.65	--	49.64	7.28	9.35	90.65	--	--	--
90-92	91.0	1.44	0.70	0.67	--	51.23	7.54	4.83	95.17	--	--	--
92-94	93.0	1.41	0.69	0.65	--	51.13	8.20	6.27	93.73	--	--	--
94-96	95.0	1.46	0.73	0.71	--	49.96	7.99	2.94	97.06	--	--	--
96-98	97.0	1.53	0.76	0.74	--	50.50	8.60	2.59	97.41	--	--	--
98-100	99.0	1.40	0.71	0.00	--	49.12	8.20	--	--	--	--	--
100-102	101.0	1.55	0.82	0.77	--	47.13	7.62	6.34	93.66	--	--	--
102-104	103.0	1.48	0.74	0.70	--	49.75	8.18	5.11	94.89	--	--	--
104-106	105.0	1.59	0.86	0.83	--	45.83	7.70	3.69	96.31	--	--	--
106-108	107.0	1.47	0.78	0.71	--	46.94	7.79	9.40	90.60	--	--	--
108-110	109.0	1.54	0.88	0.77	--	42.72	7.38	12.72	87.28	--	--	--
110-112	111.0	1.49	0.86	0.78	--	42.17	7.72	8.93	91.07	--	--	--
112-114	113.0	1.48	0.86	0.81	--	41.80	7.94	6.42	93.58	--	--	--
114-116	115.0	1.53	0.87	0.83	--	43.09	7.81	5.01	94.99	--	--	--

116-118	117.0	1.50	0.90	0.88	--	40.41	7.29	2.22	97.78	--	--	--

*Data is for <0.062mm size fraction only.
**Analyses ran by Jim Budhan, USGS, Denver.

Core ID: FB697 25B
Core Location: Whipray Basin, Florida Bay, Florida
Lat/Long: N 25.0712° W 80.7385°
Date Collected: June 13, 1997

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.0	0.85	0.18	0.18	0.18	79.15	13.04	0.64	99.36	15.70	5.39	0.062
2-4	3.0	1.02	0.26	0.43	0.25	74.96	16.71	1.00	99.00	15.60	5.33	0.074
4-6	5.0	1.19	0.35	0.78	0.35	70.74	16.49	0.83	99.17	15.07	5.49	0.050
6-8	7.0	0.74	0.25	1.03	0.24	66.99	16.78	0.90	99.10	15.13	4.97	0.050
8-10	9.0	0.70	0.25	1.27	0.24	64.68	16.67	1.22	98.78	14.72	5.26	0.049
10-12	11.0	0.75	0.27	1.54	0.25	64.64	15.90	4.64	95.36	14.17	5.38	0.047
12-14	13.0	0.76	0.29	1.83	0.28	61.84	14.85	5.07	94.93	13.24	4.89	0.040
14-16	15.0	0.81	0.29	2.12	0.28	63.98	14.45	3.84	96.16	13.46	4.27	0.039
16-18	17.0	0.82	0.32	2.44	0.30	61.50	14.13	5.79	94.21	14.12	4.03	0.037
18-20	19.0	0.80	0.31	2.75	0.28	60.80	13.83	11.21	88.79	14.69	3.56	0.031
20-22	21.0	0.91	0.34	3.09	0.31	62.58	13.83	9.40	90.60	13.95	3.52	0.029
22-24	23.0	0.73	0.27	3.36	0.23	62.31	12.47	15.35	84.65	11.80	3.70	0.038
24-26	25.0	0.80	0.32	3.69	0.26	59.77	10.02	19.06	80.94	12.44	3.24	0.042
26-28	27.0	0.92	0.37	4.06	0.29	59.59	9.44	21.36	78.64	11.56	3.16	0.045
28-30	29.0	0.66	0.28	4.34	0.22	57.15	9.85	20.46	79.54	10.07	2.78	0.043
30-32	31.0	0.89	0.39	4.73	0.29	56.40	8.63	24.39	75.61	10.22	2.66	0.043
32-34	33.0	0.89	0.42	5.14	0.32	53.53	7.73	22.68	77.32	10.80	2.84	0.045
34-36	35.0	0.89	0.43	5.57	0.25	52.01	7.09	40.74	59.26	10.29	2.35	0.039
36-38	37.0	0.93	0.44	6.01	0.28	52.99	7.43	35.46	64.54	9.86	1.96	0.035
38-40	39.0	0.90	0.40	6.41	0.29	55.09	8.99	28.05	71.95	9.92	1.70	0.029
40-42	41.0	0.91	0.45	6.86	0.34	51.02	7.37	23.17	76.83	10.19	1.62	0.031
42-44	43.0	0.92	0.40	7.26	0.34	56.41	10.80	14.84	85.16	10.17	1.73	0.027
44-46	45.0	0.80	0.37	7.63	0.35	53.81	12.30	6.52	93.48	11.60	1.76	0.038
46-48	47.0	0.82	0.32	7.95	0.31	60.88	12.31	5.11	94.89	--	--	--
48-50	49.0	0.73	0.25	8.20	0.24	65.20	13.78	4.36	95.64	--	--	--
50-52	51.0	0.80	0.28	8.48	0.25	65.38	13.03	10.76	89.24	13.58	1.80	0.035
52-54	53.0	1.04	0.42	8.90	0.35	59.69	10.89	16.72	83.28	10.59	1.73	0.030
54-56	55.0	0.90	0.44	9.34	0.39	51.25	10.39	11.99	88.01	10.42	1.80	0.032
56-58	57.0	0.87	0.37	9.72	0.35	57.07	13.31	6.26	93.74	10.28	1.82	0.031
58-60	59.0	1.01	0.44	10.15	0.35	56.70	10.04	18.82	81.18	10.43	1.99	0.040
60-62	61.0	0.95	0.48	10.63	0.35	49.61	6.90	27.04	72.96	8.43	2.00	0.049
62-64	63.0	1.11	0.60	11.23	0.35	46.36	5.61	41.69	58.31	8.01	1.96	0.033
64-66	65.0	1.03	0.58	11.80	0.36	44.05	6.39	36.74	63.26	7.61	2.11	0.036
66-68	67.0	1.06	0.59	12.39	0.45	44.66	7.63	23.84	76.16	7.31	2.15	0.038
68-70	69.0	1.15	0.65	13.04	0.54	43.46	8.46	17.38	82.62	6.79	2.35	0.039

70-72	71.0	1.09	0.61	13.65	0.52	44.13	8.92	15.03	84.97	--	--	--
72-74	73.0	0.99	0.61	14.26	0.47	38.95	8.44	22.49	77.51	6.39	2.46	0.038
74-76	75.0	1.24	0.76	15.01	0.61	39.27	9.57	18.95	81.05	7.85	2.61	0.040
76-78	77.0	1.01	0.57	15.58	0.46	43.78	12.23	18.47	81.53	10.60	2.74	0.042
78-80	79.0	0.89	--	--	--	--	--	--	--	22.02	2.84	0.043
80-82	81.0	0.89	--	--	--	--	--	--	--	--	--	--
82-84	83.0	0.72	--	--	--	--	--	--	--	--	--	--
84-86	85.0	0.76	--	--	--	--	--	--	--	--	--	--
86-88	87.0	0.78	--	--	--	--	--	--	--	--	--	--

*Data is for <0.062mm size fraction only.

**Analyses (except 86-88cm) ran by Jim Budhan, USGS, Denver.

ND = Not detected

Core ID: Little Mad 99-08-17-1

Core Location: Little Madeira Bay (Off East Creek), Florida Bay, Florida

Lat/Long: N 25.1979° W 80.6188°

Date Collected: August 17, 1999

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.0	1.86	1.02	--	--	44.85	--	68.46	31.54	5.39	6.02	0.097
2-4	3.0	1.61	0.89	--	--	44.86	--	69.42	30.58	5.59	5.74	0.094
4-6	5.0	1.70	0.96	--	--	43.58	--	48.89	51.11	4.39	5.18	0.082
6-8	7.0	1.58	0.88	--	--	44.31	--	27.07	72.93	4.19	5.12	0.073
8-10A	9.0	1.77	1.02	--	--	42.52	--	29.38	70.62	4.19	5.20	0.077
8-10B	9.0	--	--	--	--	--	--	--	--	4.19	5.12	0.077
8-10C	9.0	--	--	--	--	--	--	--	--	4.39	5.02	0.073
10-12	11.0	1.52	0.84	--	--	44.47	--	26.32	73.68	4.80	5.15	0.069
12-14	13.0	1.62	0.98	--	--	39.53	--	28.01	71.99	4.00	4.64	0.065
14-16	15.0	1.79	1.11	--	--	37.69	--	30.08	69.92	3.98	4.46	0.077
16-18	17.0	1.73	1.09	--	--	37.23	--	26.34	73.66	4.00	4.12	0.085
18-20	19.0	1.58	1.00	--	--	36.42	--	21.48	78.52	4.20	4.14	0.058
20-22	21.0	1.76	1.13	--	--	35.80	--	30.00	70.00	4.00	4.07	0.061
22-24	23.0	1.64	1.05	--	--	36.32	--	32.01	67.99	3.79	3.53	0.063
24-26	25.0	1.62	1.06	--	--	34.96	--	32.64	67.36	3.59	3.91	0.072
26-28	27.0	1.52	0.91	--	--	40.43	--	23.87	76.13	4.18	3.56	0.069
28-30	29.0	1.61	--	--	--	--	--	26.42	73.58	3.78	3.47	0.071
30-32	31.0	1.78	1.11	--	--	37.53	--	23.94	76.06	4.19	3.26	0.061
32-34	33.0	1.69	1.12	--	--	33.72	--	25.07	74.93	3.98	2.96	0.063
34-36	35.0	1.93	1.27	--	--	34.35	--	25.53	74.47	3.99	2.70	0.045
36-38A	37.0	1.75	1.14	--	--	34.95	--	28.76	71.24	3.79	2.76	0.041
36-38B	37.0	--	--	--	--	--	--	--	--	3.99	2.71	0.067
36-38C	37.0	--	--	--	--	--	--	--	--	3.98	2.75	0.045
38-40	39.0	1.81	1.16	--	--	35.93	--	38.28	61.72	4.20	2.68	0.041
40-42	41.0	1.56	0.99	--	--	36.44	--	33.67	66.33	4.38	2.98	0.044

42-44	43.0	1.77	1.13	--	--	36.08	--	24.80	75.20	3.98	2.93	0.044
44-46	45.0	1.61	1.03	--	--	35.85	--	25.34	74.66	3.59	2.82	0.042
46-48	47.0	1.75	1.13	--	--	35.68	--	24.35	75.65	3.59	3.04	0.046
48-50	49.0	1.62	1.06	--	--	34.73	--	19.80	80.20	3.99	3.20	0.063
50-52	51.0	1.76	1.13	--	--	35.80	--	21.57	78.43	3.98	3.32	0.053
52-54	53.0	1.60	1.01	--	--	36.94	--	16.12	83.88	3.99	3.54	0.060
54-56	55.0	1.78	1.03	--	--	42.02	--	26.49	73.51	3.99	2.91	0.047
56-58	57.0	1.38	0.69	--	--	50.07	--	35.32	64.68	5.38	2.27	0.039
58-60	59.0	1.42	0.57	--	--	59.82	--	17.00	83.00	7.17	1.47	0.027
60-62	61.0	1.31	0.60	--	--	54.23	--	9.72	90.28	5.59	0.96	0.020
62-64	63.0	1.40	0.58	--	--	58.35	--	9.40	90.60	5.39	1.14	0.024
64-66A	65.0	1.33	0.63	--	--	52.28	--	9.25	90.75	5.98	1.40	0.026
64-66B	65.0	--	--	--	--	--	--	--	--	5.59	1.38	0.025
64-66C	65.0	--	--	--	--	--	--	--	--	5.60	1.47	0.032
66-68	67.0	1.49	0.71	--	--	52.19	--	7.38	92.62	5.39	1.27	0.026
68-70	69.0	1.43	0.71	--	--	50.52	--	6.11	93.89	5.20	1.20	0.024
70-71	70.5	1.46	0.73	--	--	49.65	--	5.44	94.56	4.78	1.17	0.024

*Data is for <0.062mm size fraction only.

ND = Not detected
Tr = Trace quantity, too low to quantify

Core ID: Russell 00-2-15-1
Core Location: South Russell Bank (Grass Bed), Florida Bay, Florida
Lat/Long: N 25.06409° W 80.62533°
Date Collected: February 15, 2000

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.0	--	--	--	--	--	--	21.83	78.17	7.17	4.60	0.073
2-4	3.0	--	--	--	--	--	--	19.11	80.89	6.56	4.55	0.059
4-6A	5.0	--	--	--	--	--	--	18.19	81.81	6.99	4.54	0.065
4-6B	5.0	--	--	--	--	--	--	--	--	6.97	4.60	0.057
4-6C	5.0	--	--	--	--	--	--	--	--	6.59	4.72	0.055
6-8	7.0	--	--	--	--	--	--	20.54	79.46	7.37	4.39	0.062
8-10	9.0	--	--	--	--	--	--	11.41	88.59	7.58	4.27	0.056
10-12	11.0	--	--	--	--	--	--	5.44	94.56	6.97	4.15	0.056
12-14	13.0	--	--	--	--	--	--	5.13	94.87	7.37	4.10	0.060
14-16	15.0	--	--	--	--	--	--	1.56	98.44	7.19	3.69	0.045
16-18	17.0	--	--	--	--	--	--	1.93	98.07	6.96	3.76	0.043
18-20	19.0	--	--	--	--	--	--	1.70	98.30	6.76	3.55	0.042
20-22	21.0	--	--	--	--	--	--	2.03	97.97	6.57	3.34	0.037
22-24	23.0	--	--	--	--	--	--	4.03	95.97	6.00	3.46	0.049
24-26	25.0	--	--	--	--	--	--	3.81	96.19	5.78	3.19	0.039
26-28	27.0	--	--	--	--	--	--	8.21	91.79	5.79	3.19	0.041
28-30	29.0	--	--	--	--	--	--	1.30	98.70	6.18	2.91	0.041

30-32	31.0	--	--	--	--	--	--	0.72	99.28	6.18	2.99	0.049
32-34	33.0	--	--	--	--	--	--	1.08	98.92	6.19	2.80	0.040
34-36	35.0	--	--	--	--	--	--	1.76	98.24	5.99	2.71	0.039
36-38	37.0	--	--	--	--	--	--	2.58	97.42	5.78	2.74	0.043
38-40	39.0	--	--	--	--	--	--	3.34	96.66	5.38	2.63	0.038
40-42	41.0	--	--	--	--	--	--	3.65	96.35	5.40	2.70	0.054
42-44A	43.0	--	--	--	--	--	--	3.50	96.50	5.99	2.72	0.053
42-44B	43.0	--	--	--	--	--	--	--	--	5.99	2.86	0.052
42-44C	43.0	--	--	--	--	--	--	--	--	5.57	2.70	0.054
44-46	45.0	--	--	--	--	--	--	4.78	95.22	5.19	2.61	0.048
46-48	47.0	--	--	--	--	--	--	1.13	98.87	5.38	2.54	0.046
48-50	49.0	--	--	--	--	--	--	0.90	99.10	4.98	2.69	0.059
50-52	51.0	--	--	--	--	--	--	1.34	98.66	5.60	2.62	0.056
52-54	53.0	--	--	--	--	--	--	0.96	99.04	6.19	2.57	0.044
54-56	55.0	--	--	--	--	--	--	1.33	98.67	5.80	2.57	0.038
56-58	57.0	--	--	--	--	--	--	4.39	95.61	5.78	2.87	0.043
58-60	59.0	--	--	--	--	--	--	4.43	95.57	5.59	2.44	0.035
60-62	61.0	--	--	--	--	--	--	3.53	96.47	5.60	2.51	0.039
62-64	63.0	--	--	--	--	--	--	5.86	94.14	4.19	2.43	0.040
64-66	65.0	--	--	--	--	--	--	2.11	97.89	4.18	2.24	0.039
66-68	67.0	--	--	--	--	--	--	3.09	96.91	3.79	2.33	0.056
68-70	69.0	--	--	--	--	--	--	7.41	92.59	5.18	2.26	0.048
70-72	71.0	--	--	--	--	--	--	22.26	77.74	5.20	1.97	0.041
72-74	73.0	--	--	--	--	--	--	18.24	81.76	5.40	2.20	0.047
74-76	75.0	--	--	--	--	--	--	14.79	85.21	5.19	2.02	0.042
76-78	77.0	--	--	--	--	--	--	10.96	89.04	5.59	1.94	0.040
78-80	79.0	--	--	--	--	--	--	3.81	96.19	5.59	1.84	0.034
80-82	81.0	--	--	--	--	--	--	3.32	96.68	5.20	1.80	0.041
82-84	83.0	--	--	--	--	--	--	6.09	93.91	5.58	1.77	0.037
84-86	85.0	--	--	--	--	--	--	2.88	97.12	5.58	1.90	0.043
86-88	87.0	--	--	--	--	--	--	3.25	96.75	5.57	1.95	0.036
88-90	89.0	--	--	--	--	--	--	4.15	95.85	5.18	1.84	0.033
90-92	91.0	--	--	--	--	--	--	0.72	99.28	5.60	1.79	0.100
92-94	93.0	--	--	--	--	--	--	0.03	99.97	5.79	1.78	0.032
94-96	95.0	--	--	--	--	--	--	5.31	94.69	5.19	1.51	0.032
96-98	97.0	--	--	--	--	--	--	1.63	98.37	5.20	1.56	0.029
98-100	99.0	--	--	--	--	--	--	0.87	99.13	4.99	1.59	0.033
100-102	101.0	--	--	--	--	--	--	6.88	93.12	3.39	1.47	0.025
102-104	103.0	--	--	--	--	--	--	2.95	97.05	3.19	1.46	0.028
104-106	105.0	--	--	--	--	--	--	1.24	98.76	2.99	1.43	0.031
106-108	107.0	--	--	--	--	--	--	0.39	99.61	2.99	1.28	0.029
108-110	109.0	--	--	--	--	--	--	1.01	98.99	4.00	1.39	0.030
110-112	111.0	--	--	--	--	--	--	2.53	97.47	3.80	1.37	0.029
112-114	113.0	--	--	--	--	--	--	1.40	98.60	3.80	1.14	0.025
114-116	115.0	--	--	--	--	--	--	1.70	98.30	3.78	1.45	0.030
116-118	117.0	--	--	--	--	--	--	0.92	99.08	3.59	1.44	0.030
118-120	119.0	--	--	--	--	--	--	2.85	97.15	4.40	1.44	0.027
120-122	121.0	--	--	--	--	--	--	0.90	99.10	4.20	1.50	0.028
122-124	123.0	--	--	--	--	--	--	1.11	98.89	4.00	1.54	0.034

124-126	125.0	--	--	--	--	--	--	1.58	98.42	3.79	1.46	0.034
126-128	127.0	--	--	--	--	--	--	0.68	99.32	3.60	1.40	0.031
128-130	129.0	--	--	--	--	--	--	0.62	99.38	4.39	1.70	0.050
130-132	131.0	--	--	--	--	--	--	0.83	99.17	4.39	1.36	0.035
132-134	133.0	--	--	--	--	--	--	0.26	99.74	4.40	1.34	0.031
134-136	135.0	--	--	--	--	--	--	3.65	96.35	4.38	1.72	0.035
136-138	137.0	--	--	--	--	--	--	0.17	99.83	4.18	1.49	0.033
138-140	139.0	--	--	--	--	--	--	0.12	99.88	4.79	1.40	0.033
140-142	141.0	--	--	--	--	--	--	0.18	99.82	4.60	1.47	0.036
142-144	143.0	--	--	--	--	--	--	0.52	99.48	4.40	1.44	0.028
144-146	145.0	--	--	--	--	--	--	9.44	90.56	4.40	1.44	0.026
146-147	146.5	--	--	--	--	--	--	6.10	93.90	4.59	1.44	0.026

*Data is for <0.062mm size fraction only.

ND = Not detected
Tr = Trace quantity, too low to quantify

Core ID: Little Mad 00-02-15-5
Core Location: Little Madeira Bay (Western Side), Florida Bay, Florida
Lat/Long: N 25.17614° W 80.65903°
Date Collected: February 15, 2000

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-2	1.0	1.35	0.45	--	--	66.36	--	10.26	89.74	5.80	4.53	0.071
2-4	3.0	1.42	0.60	--	--	57.58	--	9.99	90.01	4.59	4.07	0.061
4-6	5.0	1.49	0.72	--	--	51.89	--	10.15	89.85	6.20	3.60	0.054
6-8	7.0	1.62	0.85	--	--	47.63	--	13.67	86.33	4.20	3.05	0.053
8-10	9.0	1.71	0.85	--	--	50.23	--	13.55	86.45	4.79	2.86	0.042
10-12	11.0	1.61	0.87	--	--	45.95	--	14.87	85.13	5.00	--	--
12-14	13.0	1.65	0.90	--	--	45.32	--	18.27	81.73	4.19	2.55	0.038
14-16	15.0	1.61	0.87	--	--	45.63	--	16.45	83.55	3.80	2.33	0.035
16-18	17.0	1.66	0.96	--	--	42.41	--	21.97	78.03	3.60	2.33	0.036
18-20	19.0	1.70	0.97	--	--	42.70	--	25.00	75.00	4.60	2.52	0.038
20-22	21.0	1.64	0.93	--	--	43.13	--	22.63	77.37	4.60	2.55	0.036
22-24	23.0	1.59	0.92	--	--	42.16	--	14.70	85.30	3.80	2.78	0.042
24-26	25.0	1.69	1.02	--	--	39.48	--	14.07	85.93	4.20	2.57	0.030
26-28	27.0	1.58	0.95	--	--	40.08	--	9.15	90.85	3.99	2.60	0.032
28-30	29.0	1.61	0.95	--	--	40.93	--	9.67	90.33	4.80	2.94	0.063
30-32A	31.0	1.66	0.98	--	--	40.95	--	7.30	92.70	4.59	2.77	0.052
30-32B	31.0	--	--	--	--	--	--	--	--	4.80	3.11	0.063
30-32C	31.0	--	--	--	--	--	--	--	--	4.60	2.96	0.064
32-34	33.0	1.66	1.00	--	--	39.72	--	4.77	95.23	3.80	2.94	0.056
34-36	35.0	1.72	1.03	--	--	39.99	--	5.91	94.09	4.60	2.81	0.049
36-38	37.0	1.67	1.00	--	--	40.05	--	4.13	95.87	4.60	3.00	0.051
38-40	39.0	1.62	0.99	--	--	38.97	--	4.63	95.37	4.20	2.89	0.051

40-42	41.0	1.77	1.09	--	--	38.45	--	12.06	87.94	4.40	2.94	0.051
42-44	43.0	1.63	1.01	--	--	37.65	--	13.53	86.47	4.39	2.88	0.060
44-46	45.0	1.74	1.08	--	--	37.73	--	7.67	92.33	4.20	2.97	0.060
46-48	47.0	1.70	1.05	--	--	38.04	--	8.45	91.55	4.40	3.05	0.055
48-50	49.0	1.83	1.13	--	--	38.32	--	8.70	91.30	4.20	3.04	0.058
50-52	51.0	1.64	1.02	--	--	37.75	--	8.02	91.98	4.00	3.11	0.054
52-54	53.0	2.04	1.27	--	--	37.55	--	6.07	93.93	5.60	3.29	0.066
54-56	55.0	1.63	1.02	--	--	37.46	--	10.78	89.22	4.79	3.13	0.060
56-58	57.0	1.84	1.17	--	--	36.70	--	12.05	87.95	3.60	3.20	0.067
58-60	59.0	1.80	1.12	--	--	37.51	--	7.15	92.85	3.99	3.23	0.066
60-62A	61.0	1.79	1.13	--	--	36.85	--	8.68	91.32	3.99	3.35	0.058
60-62B	61.0	--	--	--	--	--	--	--	--	4.39	3.39	0.059
60-62C	61.0	--	--	--	--	--	--	--	--	4.40	3.47	0.053
62-64	63.0	1.65	1.04	--	--	36.77	--	8.91	91.09	4.40	3.38	0.052
64-66	65.0	1.80	1.13	--	--	37.19	--	5.84	94.16	4.40	3.42	0.051
66-68	67.0	1.68	1.05	--	--	37.57	--	7.70	92.30	4.20	3.44	0.050
68-70	69.0	1.86	1.15	--	--	38.41	--	7.58	92.42	4.80	3.45	0.050
70-72	71.0	1.66	1.04	--	--	37.40	--	7.12	92.88	4.99	3.54	0.063
72-74	73.0	1.84	1.16	--	--	37.16	--	11.12	88.88	5.60	3.54	0.059
74-76	75.0	1.69	1.07	--	--	36.50	--	10.63	89.37	5.19	3.60	0.058
76-78	77.0	1.82	1.14	--	--	37.70	--	11.69	88.31	4.99	3.55	0.054
78-80	79.0	1.67	1.06	--	--	36.43	--	19.05	80.95	4.80	3.55	0.050
80-82	81.0	1.99	1.30	--	--	34.78	--	23.02	76.98	4.79	3.41	0.062
82-84	83.0	1.69	1.10	--	--	34.93	--	29.93	70.07	5.00	2.96	0.055
84-86	85.0	1.70	1.07	--	--	36.70	--	26.05	73.95	4.80	2.90	0.043
86-88	87.0	1.80	1.12	--	--	37.92	--	31.96	68.04	5.00	2.67	0.044
88-90	89.0	1.48	0.84	--	--	42.92	--	23.75	76.25	5.19	2.09	0.035
90-92	91.0	1.65	0.83	--	--	49.55	--	10.11	89.89	5.40	1.21	0.025
92-94	93.0	1.39	0.64	--	--	54.26	--	5.94	94.06	5.40	0.93	0.017
94-96	95.0	1.40	0.56	--	--	60.32	--	4.77	95.23	6.80	1.15	0.022
96-98	97.0	1.24	0.49	--	--	60.65	--	8.02	91.98	12.80	2.17	0.031
98-100	99.0	1.24	0.43	--	--	64.99	--	8.85	91.15	17.40	5.19	0.067
100-102	101.0	1.38	0.55	--	--	60.49	--	4.79	95.21	10.80	2.38	0.035
102-104	103.0	1.43	0.70	--	--	50.84	--	2.09	97.91	4.60	0.73	0.015
104-106	105.0	1.56	0.74	--	--	52.38	--	1.07	98.93	5.20	0.60	0.013
106-108	107.0	1.36	0.60	--	--	55.61	--	2.37	97.63	6.40	0.81	0.018
108-110	109.0	1.59	0.70	--	--	56.04	--	2.23	97.77	7.60	1.19	0.020
110-112	111.0	1.30	0.65	--	--	50.33	--	2.88	97.12	9.20	2.74	0.039
112-114	113.0	1.56	0.70	--	--	54.87	--	--	--	--	--	--
114-115.5	114.75	1.24	0.47	--	--	61.99	--	--	--	--	--	--

*Data is for <0.062mm size fraction only.

Core ID: GLW601-RL1
Core Location: Rankin Lake, Florida Bay, Florida
Lat/Long: N 25.11615° W 80.81960°
Date Collected: June 19, 2001

Depth	Mean	Wet Bulk	Dry Bulk	Accum. Dry	Dry Bulk	Water	Insoluble	Coarse	Fines	*Loss On	*Total Pb-210	*Total Pb-210

(cm)	Depth (cm)	Density (g/cm^3)	Density (g/cm^3)	Bulk Density (g/cm^3)	Density - Fines (g/cm^3)	Content (%)	Residue (% Dry Wt.)	(% Dry Wt.) >0.062mm	(% Dry Wt.) <0.062mm	Ignition (% Dry Wt.)	Activity (dpm/g)	Error +/- (dpm/g)
0-2	1.0	--	--	--	--	--	--	--	--	15.00	4.42	0.08
2-4	3.0	--	--	--	--	--	--	--	--	13.80	4.40	0.07
4-6	5.0	--	--	--	--	--	--	--	--	14.40	3.98	0.06
6-8	7.0	--	--	--	--	--	--	--	--	13.40	4.34	0.06
8-10	9.0	--	--	--	--	--	--	--	--	14.20	4.42	0.11
10-12	11.0	--	--	--	--	--	--	--	--	13.80	4.59	0.07
12-14	13.0	--	--	--	--	--	--	--	--	15.80	4.83	0.08
14-16	15.0	--	--	--	--	--	--	--	--	15.00	4.75	0.08
16-18	17.0	--	--	--	--	--	--	--	--	14.00	4.79	0.08
18-20	19.0	--	--	--	--	--	--	--	--	15.60	4.80	0.08
20-22	21.0	--	--	--	--	--	--	--	--	15.80	4.58	0.07
22-24	23.0	--	--	--	--	--	--	--	--	14.00	4.12	0.07
24-26	25.0	--	--	--	--	--	--	--	--	13.80	3.50	0.05
26-28	27.0	--	--	--	--	--	--	--	--	14.40	3.16	0.05
28-30	29.0	--	--	--	--	--	--	--	--	9.20	2.70	0.05
30-32A	31.0	--	--	--	--	--	--	--	--	9.80	2.28	0.05
30-32B	31.0	--	--	--	--	--	--	--	--	8.20	2.31	0.05
32-34	33.0	--	--	--	--	--	--	--	--	8.60	1.98	0.04
34-36	35.0	--	--	--	--	--	--	--	--	7.00	1.86	0.04
36-38	37.0	--	--	--	--	--	--	--	--	7.60	2.00	0.04
38-40	39.0	--	--	--	--	--	--	--	--	8.40	2.11	0.05
40-42	41.0	--	--	--	--	--	--	--	--	7.60	1.97	0.04
42-44	43.0	--	--	--	--	--	--	--	--	7.00	1.93	0.04
44-46	45.0	--	--	--	--	--	--	--	--	6.60	1.88	0.04
46-48	47.0	--	--	--	--	--	--	--	--	6.40	2.01	0.04
48-50	49.0	--	--	--	--	--	--	--	--	7.00	1.84	0.04
50-52	51.0	--	--	--	--	--	--	--	--	6.80	1.74	0.04
52-54	53.0	--	--	--	--	--	--	--	--	6.00	1.84	0.04
54-56	55.0	--	--	--	--	--	--	--	--	8.20	1.66	0.03
56-58	57.0	--	--	--	--	--	--	--	--	7.20	2.06	0.05
58-60	59.0	--	--	--	--	--	--	--	--	6.60	1.82	0.04
60-62A	61.0	--	--	--	--	--	--	--	--	6.40	1.69	0.03
60-62B	61.0	--	--	--	--	--	--	--	--	6.40	1.77	0.03
62-64	63.0	--	--	--	--	--	--	--	--	6.20	1.80	0.04
64-66	65.0	--	--	--	--	--	--	--	--	6.20	1.73	0.04
66-68	67.0	--	--	--	--	--	--	--	--	7.80	1.78	0.03
68-70	69.0	--	--	--	--	--	--	--	--	6.20	1.81	0.03
70-72	71.0	--	--	--	--	--	--	--	--	6.20	1.73	0.03
72-74	73.0	--	--	--	--	--	--	--	--	6.00	1.67	0.03
74-76	75.0	--	--	--	--	--	--	--	--	6.60	1.79	0.02
76-78	77.0	--	--	--	--	--	--	--	--	6.20	1.70	0.02
78-80	79.0	--	--	--	--	--	--	--	--	4.60	1.61	0.02
80-82	81.0	--	--	--	--	--	--	--	--	4.60	1.66	0.02
82-84	83.0	--	--	--	--	--	--	--	--	4.40	1.69	0.02
84-86	85.0	--	--	--	--	--	--	--	--	3.80	1.80	0.03
86-88	87.0	--	--	--	--	--	--	--	--	4.20	1.92	0.03

88-90	89.0	--	--	--	--	--	--	--	--	4.00	1.87	0.03
90-92A	91.0	--	--	--	--	--	--	--	--	4.80	1.90	0.03
90-92B	91.0	--	--	--	--	--	--	--	--	4.80	1.94	0.03
92-94	93.0	--	--	--	--	--	--	--	--	4.40	2.03	0.03
94-96	95.0	--	--	--	--	--	--	--	--	10.00	1.93	0.03
96-98	97.0	--	--	--	--	--	--	--	--	4.40	1.90	0.04
98-100	99.0	--	--	--	--	--	--	--	--	11.20	1.98	0.04
100-102	101.0	--	--	--	--	--	--	--	--	4.80	2.13	0.04
102-104	103.0	--	--	--	--	--	--	--	--	4.80	2.13	0.04
104-106	105.0	--	--	--	--	--	--	--	--	4.80	2.15	0.04
106-108	107.0	--	--	--	--	--	--	--	--	5.00	2.26	0.04
108-110	109.0	--	--	--	--	--	--	--	--	5.00	2.16	0.03
110-112	111.0	--	--	--	--	--	--	--	--	8.80	2.26	0.04
112-114	113.0	--	--	--	--	--	--	--	--	5.20	2.28	0.04
114-116	115.0	--	--	--	--	--	--	--	--	5.40	2.27	0.04
116-118	117.0	--	--	--	--	--	--	--	--	5.40	2.30	0.04
118-120	119.0	--	--	--	--	--	--	--	--	5.00	2.53	0.04
120-122A	121.0	--	--	--	--	--	--	--	--	5.20	2.50	0.04
120-122B	121.0	--	--	--	--	--	--	--	--	4.80	2.49	0.04
122-124	123.0	--	--	--	--	--	--	--	--	3.60	2.37	0.05
124-126	125.0	--	--	--	--	--	--	--	--	4.20	2.70	0.05
126-128	127.0	--	--	--	--	--	--	--	--	8.40	2.59	0.05
128-130	129.0	--	--	--	--	--	--	--	--	4.40	2.86	0.05
130-132	131.0	--	--	--	--	--	--	--	--	4.80	3.04	0.05
132-134	133.0	--	--	--	--	--	--	--	--	4.40	3.48	0.06
134-136	135.0	--	--	--	--	--	--	--	--	6.20	3.55	0.05
136-138	137.0	--	--	--	--	--	--	--	--	8.00	3.46	0.05
138-140	139.0	--	--	--	--	--	--	--	--	9.80	3.06	0.04
140-142	141.0	--	--	--	--	--	--	--	--	6.40	3.53	0.06
142-143	142.5	--	--	--	--	--	--	--	--	8.00	5.05	0.08
>143	145.0	--	--	--	--	--	--	--	--	15.20	5.31	0.08

*Data is for <0.062mm size fraction only.

Surficial Samples

Sample Site: Rankin Basin, Florida Bay, Florida
Date Collected: August 3, 2002
Collected by Lynn Wingard, USGS, Reston

GLW802-Rank B1
Lat/Long: N 25.754° W 80.4754°

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-1	0.5	--	--	--	--	--	--	--	--	14.00	5.34	0.104

GLW802-Rank B2

Lat/Long: N 25.0854° W 80.4820°

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-1	0.5	--	--	--	--	--	--	--	--	11.80	4.51	0.072

GLW802-Rank B3

Lat/Long: N 25.0790° W 80.4954°

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-1	0.5	--	--	--	--	--	--	--	--	12.00	4.29	0.072

GLW802-Rank B4

Lat/Long: N 25.0719° W 80.4959°

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-1	0.5	--	--	--	--	--	--	--	--	14.80	5.39	0.075

GLW802-Rank B5

Lat/Long: N 25.0658° W 80.4853°

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-1	0.5	--	--	--	--	--	--	--	--	12.80	4.85	0.074

GLW802-Rank B6

Lat/Long: N 25.0669° W 80.4646°

Depth (cm)	Mean Depth (cm)	Wet Bulk Density (g/cm^3)	Dry Bulk Density (g/cm^3)	Accum. Dry Bulk Density (g/cm^3)	Dry Bulk Density - Fines (g/cm^3)	Water Content (%)	Insoluble Residue (% Dry Wt.)	Coarse (% Dry Wt.) >0.062mm	Fines (% Dry Wt.) <0.062mm	*Loss On Ignition (% Dry Wt.)	*Total Pb-210 Activity (dpm/g)	*Total Pb-210 Error +/- (dpm/g)
0-1	0.5	--	--	--	--	--	--	--	--	14.00	5.11	0.130

Data is for <0.062mm size fraction only.

ND = Not detected
Tr = Trace quantity, too low to quantify

Note: Several Be-7 half-lives had passed prior to analysis.

APPENDIX 2

Age Depth Data for Biscayne Bay Cores

Appendix 2

Age depth data for Biscayne Bay Cores

SEI297 FB1 Featherbed Bank

Depth (cm)	Estimated Age (yrBP)	Lower Age Limit (yrBP)	Upper Age Limit (yrBP)
1	1.32	-16.86	19.51
3	5.35	-12.98	23.68
5	9.37	-9.10	27.84
7	13.40	-5.22	32.01
9	17.42	-1.33	36.18
11	21.45	2.55	40.35
13	25.47	6.43	44.51
15	29.50	10.31	48.68
17	33.52	14.19	52.85
19	37.55	18.08	57.01
21	41.57	21.96	61.18
23	45.59	25.84	65.35
25	49.62	29.72	69.52
27	53.64	33.61	73.68
29	57.67	37.49	77.85
31	61.69	41.37	82.02
33	65.72	45.25	86.18
35	69.74	49.13	90.35
37	73.77	53.02	94.52
39	77.79	56.90	98.69
41	81.82	60.78	102.85
43	85.84	64.66	107.02
45	89.87	68.54	111.19
47	93.89	72.43	115.35
49	97.91	76.31	119.52
51	101.94	80.19	123.69
53	105.96	84.07	127.86
55	109.99	87.96	132.02
57	114.01	91.84	136.19
59	118.04	93.49	142.59
61	122.06	92.92	151.21
63	126.09	92.34	159.83
65	130.11	91.77	168.46
67	134.14	91.19	177.08
69	138.16	90.62	185.71
71	142.19	90.04	194.33
73	146.21	89.47	202.96
75	150.23	88.89	211.58
77	154.26	88.32	220.20
79	158.28	87.74	228.83
81	162.31	87.17	237.45
83	166.33	86.59	246.08
85	170.36	86.01	254.70
87	174.38	85.44	263.33
89	178.41	84.86	271.95
91	182.43	84.29	280.57
93	186.46	83.71	289.20
95	190.48	83.14	297.82
97	194.51	82.56	306.45
99	198.53	81.99	315.07
101	202.55	81.41	323.70
103	206.58	80.84	332.32
105	210.60	80.26	340.94
107	214.63	79.69	349.57
109	218.65	79.11	358.19
111	222.68	78.54	366.82
113	226.70	77.96	375.44
115	230.73	77.39	384.07
117	234.75	76.81	392.69
119	238.78	76.24	401.31

GLW402 FBA/FBB Featherbed Bank

Depth (cm)	Estimated Age (yrBP)	Lower Age Limit (yrBP)	Upper Age Limit (yrBP)
1	3.28	-2.17	8.73
3	6.06	0.20	11.92
5	8.84	2.57	15.11
7	11.62	4.95	18.30
9	14.40	7.31	21.48
11	17.17	9.68	24.67
13	19.94	12.04	27.84
15	22.71	14.40	31.02
17	25.47	16.75	34.19
19	28.22	19.10	37.35
21	30.97	21.44	40.51
23	33.71	23.77	43.65
25	36.44	26.09	46.79
27	39.17	28.41	49.93
29	41.88	30.71	53.05
31	44.59	33.01	56.16
33	47.28	35.30	59.26
35	49.96	37.57	62.35
37	52.63	39.83	65.43
39	55.29	42.08	68.50
41	57.93	44.31	71.55
43	60.56	46.53	74.58
45	63.17	48.74	77.60
47	65.77	50.93	80.61
49	68.35	53.10	83.60
51	70.91	55.25	86.57
53	73.46	57.39	89.52
55	75.98	59.51	92.46
57	78.49	61.61	95.37
59	80.98	63.68	98.27
61	83.44	65.74	101.14
63	85.89	67.78	103.99
65	88.31	69.79	106.82
67	90.71	71.78	109.63
69	93.08	73.75	112.42
71	95.43	75.69	115.17
73	97.76	77.61	117.91
75	100.06	79.50	120.62
77	102.33	74.38	130.28
79	104.58	69.23	139.92
81	106.80	64.06	149.54
83	108.99	58.86	159.13
85	111.17	53.64	168.69
87	113.31	48.39	178.23
89	115.44	43.12	187.75
91	117.54	37.83	197.25
93	119.61	32.51	206.72
95	121.67	27.17	216.16
97	123.70	21.81	225.59
99	125.71	16.42	235.00
101	127.70	11.02	244.38
103	129.67	5.60	253.74
105	131.62	0.15	263.08
107	133.55	-5.31	272.41
109	135.46	-10.80	281.71
111	137.35	-14.79	289.49
113	139.22	-18.80	297.24
115	141.08	-22.83	304.98
117	142.91	-26.87	312.70
119	144.74	-30.93	320.41

GLW402 No Name Bank NNA/NNB

Depth (cm)	Estimated Age (yrBP)	Lower Age Limit (yrBP)	Upper Age Limit (yrBP)
1	3.27	-4.17	10.71
3	6.42	-1.02	13.87
5	9.58	2.12	17.03
7	12.72	5.26	20.19
9	15.87	8.40	23.34
11	19.01	11.53	26.49
13	22.14	14.65	29.63
15	25.27	17.77	32.77
17	28.39	20.88	35.89
19	31.50	23.98	39.01
21	34.59	27.07	42.12
23	37.68	30.15	45.21
25	40.75	33.21	48.29
27	43.81	36.28	51.34
29	46.86	39.35	54.37
31	49.91	42.42	57.39
33	52.96	45.50	60.43
35	56.04	48.60	63.48
37	59.14	51.73	66.56
39	62.28	54.89	69.68
41	65.47	58.10	72.84
43	68.72	61.37	76.06
45	72.03	64.70	79.35
47	75.41	68.11	82.72
49	78.89	71.61	86.16
51	82.45	75.20	89.71
53	86.13	78.89	93.36
55	89.91	82.70	97.12
57	93.82	85.06	102.59
59	97.86	85.97	109.76
61	102.04	87.01	117.07
63	106.36	88.20	124.52
65	110.82	89.53	132.12
67	115.44	89.73	141.15
69	120.21	90.09	150.33
71	125.12	90.58	159.65
73	130.17	91.22	169.11
75	135.35	91.99	178.71
77	140.67	92.89	188.44
79	146.11	93.92	198.30
81	151.68	95.08	208.28
83	157.37	96.35	218.39
85	163.17	97.74	228.60
87	169.09	99.25	238.93
89	175.11	100.85	249.37
91	181.24	102.56	259.91
93	187.46	104.38	270.54
95	193.78	106.28	281.27
97	200.19	108.28	292.10
99	206.68	110.36	303.01
101	213.26	112.52	314.00
103	219.92	114.77	325.07
105	226.65	117.08	336.21
107	233.45	119.47	347.43
109	240.31	121.92	358.71
111	247.24	124.44	370.05
113	254.23	127.01	381.45
115	261.27	129.64	392.90
117	268.36	132.31	404.40
119	275.49	135.03	415.95

SEI297 FB1 Featherbed Bank

Depth (cm)	Estimated Age (yrBP)	Lower Age Limit (yrBP)	Upper Age Limit (yrBP)
121	242.80	75.66	409.94
123	246.83	75.09	418.56
125	250.85	74.51	427.19
127	254.87	73.94	435.81
129	258.90	73.36	444.44
131	262.92	72.79	453.06
133	266.95	72.21	461.68
135	270.97	71.64	470.31
137	275.00	71.06	478.93
139	279.02	70.49	487.56
141	283.05	69.91	496.18
143	287.07	73.71	500.43
145	291.10	77.51	504.68
147	295.12	81.31	508.93
149	299.15	85.11	513.18
151	303.17	88.91	517.43
153	307.19	92.71	521.68
155	311.22	96.51	525.93
157	315.24	100.31	530.18
159	319.27	104.11	534.43
161	323.29	107.91	538.68
163	327.32	111.71	542.93
165	331.34	115.51	547.18
167	335.37	119.31	551.43
169	339.39	123.11	555.67
171	343.42	126.91	559.92
173	347.44	130.71	564.17
175	351.47	134.51	568.42
177	355.49	138.31	572.67
179	359.51	142.11	576.92
181	363.54	145.91	581.17
183	367.56	149.71	585.42
185	371.59	153.51	589.67
187	375.61	157.31	593.92
189	379.64	161.11	598.17
191	383.66	164.91	602.42
193	387.69	168.71	606.67
195	391.71	172.51	610.92
197	395.74	176.30	615.17
199	399.76	180.10	619.42
201	403.79	183.90	623.67
203	407.81	187.70	627.92
205	411.84	191.50	632.17
207	415.86	195.30	636.42
209	419.88	199.10	640.67
211	423.91	202.90	644.92
213	427.93	206.70	649.16
215	431.96	210.50	653.41
217	435.98	214.30	657.66
219	440.01	218.10	661.91
221	444.03	221.90	666.16
223	448.06	225.93	670.19
225	452.08	229.95	674.21

GLW402 FBA/FBB Featherbed Bank

Depth (cm)	Estimated Age (yrBP)	Lower Age Limit (yrBP)	Upper Age Limit (yrBP)
121	146.54	-35.01	328.10
123	148.34	-39.10	335.78
125	150.12	-43.21	343.44
127	151.88	-47.32	351.09
129	153.63	-51.45	358.72
131	155.38	-55.60	366.35
133	157.11	-59.75	373.96
135	158.83	-63.91	381.56
137	160.54	-68.09	389.16
139	162.24	-65.16	389.63
141	163.93	-62.23	390.09
143	165.61	-59.32	390.55
145	167.29	-56.42	391.00
147	168.96	-53.52	391.44
149	170.62	-50.63	391.87
151	172.27	-47.74	392.29
153	173.92	-44.87	392.71
155	175.56	-42.00	393.13
157	177.20	-39.13	393.53
159	178.83	-36.27	393.94
161	180.46	-33.42	394.33
163	182.08	-30.57	394.72
165	183.70	-27.72	395.11
167	185.31	-24.88	395.50
169	186.92	-22.04	395.88
171	188.52	-19.21	396.25
173	190.13	-16.37	396.63
175	191.73	-13.54	397.00
177	193.33	-10.72	397.37
179	194.92	-7.89	397.74
181	196.52	-5.07	398.10
183	198.11	-2.24	398.47
185	199.71	0.58	398.83
187	201.30	3.40	399.20
189	202.89	4.99	400.79
191	204.48	6.59	402.38
193	206.08	8.18	403.98
195	207.67	9.77	405.57
197	209.26	11.37	407.16
199	210.86	12.96	408.75
201	212.45	14.55	410.35
203	214.04	16.14	411.94
205	215.64	17.74	413.53
207	217.23	19.33	415.13
209	218.82	20.92	416.72

GLW402 No Name Bank NNA/NNB

Depth (cm)	Estimated Age (yrBP)	Lower Age Limit (yrBP)	Upper Age Limit (yrBP)
121	282.67	137.79	427.54
123	289.88	140.59	439.17
125	297.13	143.42	450.83
127	304.40	146.29	462.51
129	311.70	149.17	474.23
131	319.02	152.08	485.96
133	326.35	155.00	497.71
135	333.70	157.94	509.47
137	341.06	160.88	521.24
139	348.42	163.83	533.02
141	355.78	171.19	540.38
143	363.14	178.55	547.74
145	370.51	185.91	555.10
147	377.87	193.27	562.46
149	385.23	200.63	569.82
151	392.59	208.00	577.19
153	399.95	215.36	584.55
155	407.31	222.72	591.91
157	414.68	230.08	599.27
159	422.04	237.44	606.63
161	429.40	244.80	613.99
163	436.76	252.16	621.36

APPENDIX 3

Age Depth Data for Florida Bay Cores

Appendix 3: Age Depth Data for Florida Bay Cores

GLW294 6A Bob Allen Key

Depth (cm)	Estimated Age (yrBP)	Lower Age Limit (yrBP)	Upper Age Limit (yrBP)
1	3.08	-1.83	7.99
3	5.54	0.63	10.45
5	8.00	3.09	12.91
7	10.47	5.56	15.38
9	12.95	8.04	17.86
11	15.43	10.52	20.34
13	17.93	13.02	22.84
15	20.44	15.53	25.35
17	22.97	18.01	27.93
19	25.52	20.46	30.58
21	28.08	22.93	33.24
23	30.66	25.41	35.92
25	33.26	27.91	38.62
27	35.88	30.42	41.33
29	38.51	32.96	44.06
31	41.16	35.50	46.81
33	43.82	38.07	49.57
35	46.50	40.65	52.34
37	49.19	43.15	55.23
39	51.89	45.56	58.22
41	54.61	47.99	61.23
43	57.33	50.42	64.24
45	60.05	52.85	67.24
47	62.77	55.28	70.25
49	65.48	57.70	73.25
51	68.18	60.11	76.24
53	70.86	62.51	79.21
55	73.53	64.89	82.17
57	76.17	67.25	85.10
59	78.79	69.58	88.01
61	81.38	71.87	90.89
63	83.93	74.14	93.73
65	86.45	76.37	96.53
67	88.92	78.55	99.30
69	91.35	80.69	102.01
71	93.73	80.15	107.31
73	96.06	76.93	115.19
75	98.34	73.66	123.01
77	100.56	70.34	130.79
79	102.75	66.97	138.52
81	104.88	63.56	146.21
83	106.97	60.10	153.85
85	109.02	56.60	161.45
87	111.03	53.06	169.00
89	113.00	49.47	176.52

GLW295 19B Russell Bank

Depth (cm)	Estimated Age (yrBP)	Lower Age Limit (yrBP)	Upper Age Limit (yrBP)
1	2.92	-2.05	7.88
3	4.60	-0.49	9.69
5	6.29	1.08	11.50
7	7.98	2.64	13.31
9	9.66	4.21	15.12
11	11.35	5.78	16.92
13	13.04	7.34	18.73
15	14.72	8.91	20.54
17	16.41	10.48	22.35
19	18.10	12.04	24.16
21	19.79	13.61	25.96
23	21.47	15.18	27.77
25	23.16	16.74	29.58
27	24.85	18.31	31.39
29	26.54	19.88	33.20
31	28.22	21.44	35.00
33	29.91	23.01	36.81
35	31.60	24.58	38.62
37	33.29	26.15	40.43
39	34.98	27.71	42.24
41	36.66	29.28	44.05
43	38.35	30.85	45.86
45	40.04	32.42	47.66
47	41.73	33.98	49.47
49	43.42	35.55	51.28
51	45.11	37.12	53.09
53	46.79	38.69	54.90
55	48.48	40.26	56.71
57	50.17	41.82	58.52
59	51.86	43.39	60.33
61	53.55	44.96	62.14
63	55.24	46.53	63.95
65	56.93	48.10	65.76
67	58.62	49.67	67.57
69	60.31	51.24	69.38
71	62.00	52.81	71.19
73	63.69	54.38	73.01
75	65.38	55.95	74.82
77	67.07	57.52	76.63
79	68.76	59.09	78.44
81	70.46	60.66	80.25
83	72.15	62.23	82.07
85	73.84	63.80	83.88
87	75.53	65.37	85.69
89	77.22	66.94	87.50

GLW697 25B Whipray Basin

Depth (cm)	Estimated Age (yrBP)	Lower Age Limit (yrBP)	Upper Age Limit (yrBP)
1	3.16	-4.71	11.03
3	8.88	0.77	16.98
5	14.42	6.08	22.76
7	19.66	11.07	28.24
9	24.48	15.12	33.83
11	28.91	18.78	39.04
13	33.00	22.09	43.90
15	36.79	25.11	48.48
17	40.36	27.90	52.81
19	43.74	30.51	56.97
21	46.98	32.98	60.99
23	50.15	35.37	64.93
25	53.30	37.69	68.90
27	56.59	40.12	73.06
29	60.30	42.97	77.64
31	64.73	46.53	82.94
33	70.16	51.09	89.23
35	76.87	56.94	96.81
37	85.15	64.35	105.96
39	95.29	73.62	116.96
41	107.55	79.21	135.90
43	122.00	81.17	162.82
45	138.45	85.15	191.76
47	156.74	90.95	222.52
49	176.66	98.40	254.92
51	198.05	107.30	288.79
53	220.71	117.49	323.93
55	244.47	128.77	360.17
57	269.14	140.96	397.32
59	294.55	153.88	435.21
61	320.50	167.35	473.64
63	346.81	181.19	512.43
65	373.31	195.21	551.41
67	399.84	221.74	577.94
69	426.37	248.27	604.47
71	452.90	274.80	631.00
73	479.43	301.33	657.53
75	505.96	327.86	684.06
77	532.49	354.39	710.59
79	559.02	380.92	737.12

GLW601 RL1 Rankin Lake

Depth (cm)	Estimated Age (yrBP)	Lower Age Limit (yrBP)	Upper Age Limit (yrBP)
1	3.32	-7.75	14.40
3	6.81	-5.49	19.11
5	10.34	-3.18	23.86
7	13.92	-0.83	28.66
9	17.59	1.62	33.55
11	21.36	4.17	38.55
13	25.27	6.86	43.69
15	29.35	9.71	48.99
17	33.61	12.75	54.47
19	38.09	16.00	60.17
21	42.80	19.49	66.11
23	47.78	23.25	72.32
25	53.06	27.30	78.81
27	58.65	31.67	85.63
29	64.58	36.38	92.79
31	70.89	41.46	100.31
33	77.58	46.93	108.23
35	84.70	52.83	116.58
37	92.27	59.17	125.37
39	100.31	65.99	134.63
41	108.85	8.83	208.86
43	117.92	-112.26	348.11
45	127.59	-106.96	362.15
47	137.92	-101.01	376.84
49	148.97	-94.33	392.26
51	160.81	-86.85	408.47
53	173.51	-78.52	425.54
55	187.14	-69.26	443.54
57	201.76	-59.00	462.53
59	217.45	-47.68	482.59
61	234.27	-35.23	503.78
63	252.29	-21.58	526.17
65	271.58	-6.66	549.83
67	292.21	9.59	574.82
69	314.23	27.25	601.22
71	337.73	46.38	629.08
73	362.77	67.05	658.49
75	389.39	96.73	682.05
77	417.56	127.96	707.17
79	447.23	160.68	733.78
81	478.33	194.84	761.82
83	510.81	230.37	791.24
85	544.60	267.23	821.98
87	579.66	305.35	853.98
89	615.93	344.67	887.19

GLW294 6A Bob Allen Key

Depth (cm)	Estimated Age (yrBP)	Lower Age Limit (yrBP)	Upper Age Limit (yrBP)
91	114.92	45.85	183.99
93	116.81	42.19	191.43
95	118.67	38.50	198.84
97	120.48	34.77	206.20
99	122.27	31.00	213.54
101	124.02	27.20	220.84
103	125.74	23.38	228.11
105	127.43	19.52	235.35
107	129.10	15.63	242.56
109	130.74	11.72	249.75
111	132.35	7.78	256.91
113	133.93	3.82	264.04
115	135.50	-0.16	271.16
117	137.04	-4.17	278.25
119	138.56	-8.20	285.32
121	140.07	-12.24	292.37
123	141.55	-16.31	299.41
125	143.02	-20.39	306.43
127	144.48	-24.48	313.43
129	145.92	-28.59	320.42
131	147.35	-32.71	327.40
133	148.77	-36.84	334.37
135	150.17	-40.98	341.33
137	151.58	-45.12	348.28
139	152.97	-49.28	355.22
141	154.36	-53.44	362.16
143	155.74	-57.60	369.09
145	157.13	-61.77	376.02
147	158.51	-65.94	382.95
149	159.89	-64.56	384.33
151	161.27	-63.18	385.72
153	162.65	-61.80	387.10
155	164.03	-60.42	388.48
157	165.41	-59.04	389.86
159	166.79	-57.65	391.24
161	168.17	-56.27	392.62
163	169.55	-54.89	394.00
165	170.93	-53.51	395.38
167	172.31	-52.13	396.76
169	173.70	-50.75	398.14
171	175.08	-49.37	399.52
173	176.46	-47.99	400.90

GLW295 19B Russell Bank

Depth (cm)	Estimated Age (yrBP)	Lower Age Limit (yrBP)	Upper Age Limit (yrBP)
91	78.92	68.51	89.32
93	80.61	70.09	91.13
95	82.30	71.66	92.94
97	83.99	73.23	94.76
99	85.69	74.80	96.57
101	87.38	76.38	98.39
103	89.08	77.95	100.20
105	90.77	79.52	102.02
107	92.46	81.10	103.83
109	94.16	82.67	105.65
111	95.85	84.25	107.46
113	97.55	85.82	109.28
115	99.25	87.40	111.09
117	100.94	76.72	125.17
119	102.64	66.03	139.24
121	104.33	55.35	153.31
123	106.03	44.67	167.39
125	107.73	34.00	181.46
127	109.42	23.32	195.53
129	111.12	12.64	209.61
131	112.82	1.96	223.68
133	114.52	-8.72	237.76
135	116.21	-19.40	251.83
137	117.91	-30.08	265.90
139	119.61	-28.38	267.60
141	121.31	-26.69	269.30
143	123.00	-24.99	271.00
145	124.70	-23.29	272.70
147	126.40	-21.59	274.39
149	128.10	-19.89	276.09

GLW697 25B Whipray Basin

Depth (cm)	Estimated Age (yrBP)	Lower Age Limit (yrBP)	Upper Age Limit (yrBP)

GLW601 RL1 Rankin Lake

Depth (cm)	Estimated Age (yrBP)	Lower Age Limit (yrBP)	Upper Age Limit (yrBP)
91	653.34	385.14	921.54
93	691.84	426.70	956.99
95	731.38	469.29	993.46
97	771.89	512.86	1030.92
99	813.32	557.35	1069.29
101	855.61	602.70	1108.52
103	898.71	648.85	1148.56
105	942.55	695.75	1189.34
107	987.08	743.34	1230.82
109	1032.24	791.56	1272.92
111	1077.97	840.35	1315.59
113	1124.22	889.66	1358.79
115	1170.93	939.42	1402.44
117	1218.04	989.59	1446.49
119	1265.50	1040.11	1490.89
121	1313.24	1090.91	1535.58
123	1361.22	1141.94	1580.49
125	1409.36	1193.14	1625.58
127	1457.62	1244.46	1670.78
129	1505.94	1295.84	1716.04
131	1554.27	1344.16	1764.37
133	1602.59	1392.49	1812.70
135	1650.92	1440.82	1861.02
137	1699.25	1489.14	1909.35
139	1747.57	1537.47	1957.68
141	1795.90	1585.80	2006.00
143	1844.23	1634.12	2054.33
145	1892.55	1682.45	2102.66