TABLE 11A. Physical and chemical data for samples from core SB1c, St. Bernard Parish, Louisiana.

St. Bernard core SB1c (location: 29°58"53' N., 89°55"27' W.; sampled 03/20/1996). Percent compaction (applied linearly): 29.1. OC, organic carbon. N, nitrogen. Ppt, parts per thousand.

Sample I.D.[1]	Mate-rial	Sampled interval (cm)	Uncor-rected depth sample midpoint (cm)	Cor-rected depth sample midpoint (cm)[2]	Total OC (%)[3]	Min eral mat ter (%)[4]	$d^{13}C$ (ppt)	Tot al N (%)	$d^{15}N$ (ppt)	C:N ratio	H_2O, air-dried (%)	Bulk den sity, air-dried (g/cm^3)
SB1c-10	fibrous peat	0-55	10	14.1	--	--	--	--	--	--	89	0.1
SB1c-21.5	same	0-55	21.5	30.3	31.9	36.2	-15.8	1.9	0.57	17	--	--
SB1c-40	same	0-55	40	56.4	34	32	-19	1.9	0.34	18	--	--
SB1c-45	same	0-55	45	63.5	--	--	--	--		--	89.7	0.09
SB1c(65)	fibrous peat, more compact	55-69	65	91.7	32.7	34.7	-20	1.8	-1.53	18.3	--	--
SB1c(79)	fibrous peat as above, color change	69-82.5	79	111.4	20.9	58.1	-20.5	1.1	-1.65	19	--	--
SB1c(83)	clay	82.5-86.5	83	117	10.9	78.2	-23.5	0.6	-0.71	17.9	--	--
SB1c-84	clay	82.5-86.5	84	118.4	--	--	--	--	--	--	63.4	0.28
SB1c(97)	fibrous peat	86.5-121	97	136.8	21.2	57.7	-19.4	0.9	-1.45	22.8	--	--
SB1c-108	same	86.5-121	108	152.3	--	--	--	--	--	--	80.8	0.14
SB1c(110)	same	86.5-121	110	155.1	26.1	47.8	-19.9	1.3	-1.29	20.9	--	--
SB1c(128)	peat changing downward	121-140.5	128	180.5	21.6	56.8	-20.2	1	-0.88	20.8	--	--
SB1c(145)	organic clay	140.5-162.5	145	204.5	10.3	79.5	-16	0.4	-0.89	29.3	--	--
SB1c(145) D	same	140.5-162.5	145	204.5	10.2	79.5	--	--	--	--	--	--
SB1c-158	same	140.5-162.5	158	222.8	--	--	--	--	--	--	71.4	0.23
SB1c-158D	same	140.5-162.5	158	222.8	--	--	--	--	--	--	--	0.23
SB1c(177)	fibrous peat	162.5-218	177	249.6	38.2	23.6	-19.7	1.6	-1.03	23.4	--	--
SB1c-194	same	162.5-218	194	273.5	--	--	--	--		--	85.7	0.09
SB1c(202)	same	162.5-218	202	284.8	37.7	24.7	-26	2.3	-0.33	16.7	--	--
SB1c-227.5	organic clay	218-233.5	227.5	320.8	--	--	--	--	--	--	62.4	0.29
SB1c(229)	same	218-233.5	229	322.9	12.6	74.8	-26.1	0.7	-0.43	17.5	--	--

SB1c(250)	peat	233.5-277	250	352.5	37.3	25.5	-26.8	2.1	-0.58	17.8	--	--
SB1c-251	same	233.5-277	251	353.9	--	--	--	--	--	--	81.2	0.12
SB1c(265)	same	233.5-277	265	373.7	32.7	34.5	-26.5	2	-0.09	16.4	--	--
SB1c-280	gray clay	277-285	280	394.8	--	--	--	--	--	--	--	--
SB1c(284)	same	277-285	284	400.4	1.8	96.3	-28.2	< 0.05	5.05	--	--	--

[1]Chemical analyses were not done on samples with depths in parentheses. “D”, duplicate sample.

[2]Corrected depth equals original depth (midpoint of sample interval) multiplied by 1.41 to correct for compaction.

[3]Computed as the difference between total carbon and inorganic carbon. Inorganic carbon less than 0.01% for all samples.

[4]Percent mineral matter computed by: 100 - (2 x organic carbon).

Source: U.S. Geological Survey Open-File Report 98-36. ***Carbon storage and late Holocene chronostratigraphy of a Mississippi River deltaic marsh, St. Bernard Parish, Louisiana***
(H.W. Markewich, ed.). Last Updated on 2/5/98 by Gary R. Buell