

Appendix V

Peat and Marl Push-Core Sample Descriptions

Appendix V. Peat and marl push-core sample descriptions

[Latitudes and longitudes referenced to North American Datum of 1983. --, no data or not applicable]

Core number	Latitude	Longitude	Length of core recovered (feet)	Amount of compaction in core (feet)	Sediment interval (wet)	Sediment description (wet)	Sediment color (wet)	Comments
M-1	253931	0802853	--	--	--	--	--	Soil not sampled, but disturbed
M-2	253938	0802950	--	--	--	--	--	Abandoned location, marsh grass too thick
M-3	254053	0802952	--	--	--	--	--	0.5 ft of soil above Miami limestone bedrock
M-4	254118	0802942	--	--	--	--	--	--
M-5	254119	0802939	--	--	--	--	--	0.25 ft of soil above Miami limestone bedrock
M-6	254135	0802941	--	--	--	--	--	0.25 ft of soil above Miami limestone to exposed Miami limestone
M-7	254142	0802940	--	--	--	--	--	5 ft of peat above Miami limestone; recovered about 1.5 ft of mud and plant fibers
M-8	254219	0802943	--	--	--	--	--	About 0.5 to 1.0 ft of mud with plant fragments
M-9	254242	0802944	1.0	--	0-0.25	Mud with plant fibers	--	--
					0.25-0.75	Gray marl (floatstone) with <i>Planorbella</i>	--	--
					0.75-1.0	Muck with <i>Planorbella</i>	--	--
					0-1.28	Marl	--	--
					1.28-1.29	Peat	--	--
M-10	254302	0802946	1.67	--	1.29-1.37	Marl	--	--
					1.37-1.38	Peat	--	--
					1.38-1.46	Marl	--	--
					1.46-1.5	Peat	--	--
					1.5-1.67	Marl	--	--
M-11	254320	0802945	1.92	0.33	--	--	--	Probed 1.92 ft to top of Miami limestone; recovered 0.25 ft muck-rich peat
M-12	254340	0802946	1.25	0.33	0-0.25	Very dark brown peat	--	--
					0.25-0.42	Gray marl with <i>Planorbella</i>	--	--
					0.42-0.67	Dark brown peat	--	--
					0.67-0.8	Gray peat-rich marl	--	--
					0.8-1.25	Dark brown peat	--	--

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Core number	Latitude	Longitude	Length of core recovered (feet)	Amount of compaction in core (feet)	Sediment interval (wet)	Sediment description (wet)	Sediment color (wet)	Comments
M-13	254401	0802947	1.58	0.08	0-0.78	Gray marl with <i>Planorbella</i>	--	--
					0.78-0.79	Peat layer	--	--
					0.79-0.96	Marl with minor <i>Planorbella</i>	--	--
					0.96-1.29	Very dark brown peat	--	--
					1.29-1.50	Marl with <i>Planorbella</i>	--	--
					1.50-1.58	Peat-rich base	--	--
M-14	254424	0802950	1.58	0.83	0-0.33	Marl with peat-rich base and <i>Planorbella</i>	--	--
					0.33-0.62	Marl with peat-rich base, floatstone with <i>Planorbella</i>	--	--
					0.62-0.95	Marl-rich peat	--	--
					0.95-1.58	Peat	--	--
M-15	254440	0802949	0.92	0.58	0-0.29	Mud-rich peat	--	--
					0.29-0.3	Layer of <i>Planorbella</i> -rich peat	--	--
					0.3-0.92	Peat	--	--
M-16	254508	0802950	1.25	1.17	0-1.08	Peat with <i>Planorbella</i>	Dusky brown, 5YR 2/2	--
					1.08-1.25	Peat with <i>Planorbella</i>	Pale brown, 5YR 6/2	--
M-17	254521	0802951	2.0	0.75	0-0.25	Peat	Brownish black, 5YR 2/1	--
					0.25-0.78	Marl	Yellowish gray, 5Y 8/1	--
					0.78-2.0	Peat	--	--
M-18	254522	0802955	2.25	1.17	--	Marl	Yellowish gray, 5Y 8/1	--
						Peat	Brownish black, 5YR 2/1	--
M-19	254541	0802508	0.75	0.5	0-0.33	<i>Planorbella</i> -rich marl	Brownish gray, 5YR 4/1	--
					0.33-0.75	Peat	Dusky brown, 5YR 2/2	--
M-20	254540	0802538	1.13	--	--	Peat	--	--
						Marl	--	--
M-21	254540	0802606	2.67	0.25	0-2.25	Peat	Grayish black, N2	--
					2.25-	Peat	Grayish red, 10R 4/2	--
					--	Marl	--	--
M-22	254542	0802636	1.92	0.08	0-1.75	--	Brownish gray, 5YR 4/1	--
					1.75-1.92		Yellowish gray, 5Y 8/1	--
M-23	254540	0802705	1.92	0.92	0-1.92	Peat	Brownish gray, 5YR 4/1	--
					0-1.17	Peat	Brownish gray, 5YR 4/1	--
M-24	254541	0802736	1.33	0.25	1.17-1.33	Marl	Yellowish gray, 5Y 8/1	--
					0-0.83	Peat	Moderate brown, 5YR 4/4	--
M-25	254542	0802806	1.92	0.75	0.83-1.92	Marl	Yellowish gray, 5Y 8/1	--
						Peat	Brownish gray, 5YR 4/1	--
M-26	254542	0802830	2.0	0.25	--	Marl with <i>Planorbella</i>	Yellowish gray, 5Y 8/1	--
						Peat	Grayish red, 10R 4/2	--

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Core number	Latitude	Longitude	Length of core recovered (feet)	Amount of compaction in core (feet)	Sediment interval (wet)	Sediment description (wet)	Sediment color (wet)	Comments
M-27	254456	0802954	2.42	0.75	0-0.50	Marl with <i>Planorbella</i>	Yellowish gray, 5YR 8/1	--
					0.50-2.42	Peat	Brownish gray, 5YR 4/1	--
M-28	254429	0802952	1.67	0.33	0-0.83	Marl	Yellowish gray, 5Y 8/1	--
					0.83-1.67	Peat	Brownish gray, 5YR 4/1	--
M-29	254358	0802951	2.17	1.08	0-0.08	Peat with <i>Planorbella</i>	Grayish red, 10R 4/2	--
					0.08-0.5	Marl	Yellowish gray, 5Y 8/1	--
					0.5-0.67	Peat	Brownish gray, 5YR 4/1	--
					0.67-0.83	Marl-rich peat	Dusky yellow, 5Y 6/4	--
					0.83-2.08	Peat	Brownish gray, 5YR 4/1	--
					2.08-2.17	Marl	Very light gray, N8	--
M-30	254332	0802949	1.75	0.92	--	--	--	Core stuck in barrel; no marl found
M-31	254346	0802614	0.42	--	--	Marl	--	0.42 ft thick marl to top of limestone bed-rock
M-32	254340	0802725	0.33	--	--	Peat	--	--
M-33	254340	0802824	0.33	0.17	0-0.17	Mud-rich marl	--	--
					0.17-0.33	Marl with <i>Planorbella</i>	--	--
M-34	254345	0802713	1.42	1.17	0-0.78	Mud-rich peat	Grayish black, N2	--
					0.78-1.42	Peat with plant roots	Grayish brown, 5YR 3/2	--
M-35	254340	0802751	--	--	--	--	--	0.5 ft of peat dug with shovel
M-36	254338	0802846	0.83	0.17	0-0.5	Peat	Brownish gray, 5YR 4/1	--
					0.5-0.67	Peat-rich marl	Brownish gray, 5YR 4/1	--
					0.67-0.83	Peat	Brownish gray, 5YR 4/1	--
M-37	254338	0802844	--	--	--	--	--	No marl, only mud-rich peat
M-38	254336	0802816	1.08	0.25	0-0.78	Peat with plant roots	Dark gray, N3	--
					0.78-1.08	Mud-rich peat	Brownish black, 5YR 2/1	--
M-39	254340	0802730	1.08	0.75	0-0.17	Mud	Brownish black, 5YR 2/1	--
					0.17-1.08	Mud-rich peat	Moderate brown, 5YR 4/4, to dark gray, N3	--
M-40	--	--	--	--	--	--	--	Area covered with melaleucas, no peat, no marl
M-41	254512	0802852	1.83	0.5	0-1.08	Sand with thin laminae of soil	--	--
					1.08-1.42	Peat	--	--
					1.42-1.83	Peat with <i>Planorbella</i>	--	--

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Core number	Latitude	Longitude	Length of core recovered (feet)	Amount of compaction in core (feet)	Sediment interval (wet)	Sediment description (wet)	Sediment color (wet)	Comments
M-42	254446	0802851	1.83	0.42	0-0.25	Peat-rich marl	--	--
					0.25-0.5	Mud-rich peat	--	--
					0.5-0.83	Marl with <i>Planorbella</i>	--	--
					0.83-1.08	Marl with <i>Planorbella</i>	--	--
					1.08-1.67	Mud-rich peat	--	--
					1.67-1.83	Peat-rich marl with <i>Planorbella</i>	--	--
M-43	254418	0802848	1.75	0.25	0-0.33	Peat-rich mud	--	--
					0.33-0.42	Peat-rich marl	--	--
					0.42-0.67	Peat-rich marl with <i>Planorbella</i>	--	--
					0.67-0.75	Marl with <i>Planorbella</i>	--	--
					0.75-0.92	Marl	--	--
					0.92-1.08	Marl with small <i>Planorbella</i>	--	--
M-44	254354	0802848	1.0	0.17	1.08-1.75	Peat with plant roots	--	--
					0-0.25	Peat with plant roots	--	--
					0.25-0.83	Mud-rich peat with <i>Planorbella</i>	--	--
M-45	254326	0802847	1.0	0.08	0.83-1.0	Marl(?) with <i>Planorbella</i>	--	--
					0-0.17	Plant debris	--	--
M-46	254301	0802847	--	--	0.17-0.67	Marl-rich peat	--	--
					0.67-1.0	Marl with <i>Planorbella</i>	--	--
M-47	254226	0802846	--	--	--	--	Probed, limestone(?) under 0.5 ft of water	
M-48	254207	0802845	--	--	--	--	Old road pavement, nowhere to core	
M-49	254541	0802658	1.67	0.25	--	--	--	No core recovered
					0-0.17	Mud with plant roots and <i>Planorbella</i>	--	--
					0.17-0.78	Mud-rich peat	--	--
					0.78-1.0	Marl with <i>Planorbella</i>	--	--
					1.0-1.08	Peat with <i>Planorbella</i>	--	--
M-50	254541	0802603	1.08	0.08	1.08-1.67	Peat	--	--
M-51	254701	0802855	--	--	0-1.08	Mud-rich peat	--	--
M-52	254729	0802856	2.83	0.29	--	--	--	Probed and found no peat; 0.25 ft mud on top of bedrock
					0-0.17	Marl with <i>Planorbella</i>	Light olive gray, 5Y 6/1	--
					0.17-1.08	Peat with plant roots	Brownish black, 5YR 2/1	--
M-53	254756	0802858	2.63	0.5	1.08-2.83	Peat	Dusky brown, 5YR 2/2	--
					0-2.63	Peat	Dusky yellowish brown, 10YR 2/2	--

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Core number	Latitude	Longitude	Length of core recovered (feet)	Amount of compaction in core (feet)	Sediment interval (wet)	Sediment description (wet)	Sediment color (wet)	Comments
M-54	254823	0802857	2.42	0.42	0-0.78	Peat with <i>Planorbella</i>	Medium gray, N5, to dark gray, N3	--
					0.78-2.42	Peat with plant roots	Dusky yellowish brown, 10YR 2/2	--
M-55	254847	0802855	2.42	0.75	0-0.25	Saw grass debris	--	--
					0.25-2.42	Peat	Dusky yellowish brown, 10YR 2/2	--
M-56	254916	0802858	2.92	0.25	0-0.17	Mud	Medium gray, N5	--
					0.17-2.46	Peat	Dusky yellowish brown, 10YR 2/2	--
					2.46-2.58	Peat with <i>Planorbella</i>	Dusky yellowish brown, 10YR 2/2	--
M-57	254942	0802901	1.92	2.0	2.58-2.92	Marl with <i>Planorbella</i>	Light olive gray, 5Y 6/1	--
					0-1.92	Peat	Dusky yellowish brown, 10YR 2/2	--
M-58	255010	0802860	2.08	0.54	0-2.08	Peat	Dusky yellowish brown, 10YR 2/2	--
M-59	254844	0802611	1.58	0.33	--	Marl-rich peat with <i>Planorbella</i>	Dark yellowish brown, 10YR 4/2	--
M-60	254839	0802554	1.25	0.42	0-1.58	Reddish fibrous peat	--	--
M-61	255528	0802715	0.42	0.63	0-1.25	Peat	--	--
					0-0.29	Peat	Dusky yellowish brown, 10YR 2/2	--
M-62	255504	0802713	0.92	0.46	0.29-0.42	Marl	Olive black, 5Y 2/1	--
					0-0.29	Mud-rich peat	Dusky yellowish brown, 10YR 2/2	--
					0.29-0.46	Marl	Light olive gray, 5Y 6/1	--
					0.46-0.67	Marl-rich peat with <i>Planorbella</i>	Dusky yellowish brown, 10YR 2/2	--
M-63	255439	0802712	1.5	0.33	0.67-0.92	Peat-rich marl with <i>Planorbella</i>	Dark yellowish brown, 10YR 4/2	--
					0-0.46	Marl	Dusky yellowish brown, 10YR 2/2	--
M-64	255408	0802710	1.75	0.5	0.46-1.5	Dark, mud-rich, hard peat with plant roots	Brownish black, 5YR 2/1	--
					0-0.54	Dark mud-rich peat	Brownish black, 5YR 2/1	--
M-65	--	--	--	--	0.54-1.75	Reddish, fibrous peat	Moderate brown, 5YR 3/4	--
					--	--	--	2.0 miles south of M-61, west side of levee
M-66	--	--	--	--	--	--	--	End of Dade-Broward levee road, at intersection of Pennsuco

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Core number	Latitude	Longitude	Length of core recovered (feet)	Amount of compaction in core (feet)	Sediment interval (wet)	Sediment description (wet)	Sediment color (wet)	Comments
M-67	255332	0802706	2.0	0.25	0-0.17	Loose mud	Brownish black, 5YR 2/1	--
					0.17-1.54	Hard mud-rich peat	Brownish black, 5YR 2/1	--
					1.54-1.71	Fibrous, reddish peat	Moderate brown, 5YR 3/4	--
					1.71-1.8	Marl with <i>Planorbella</i>	--	--
					1.8-2.0	Peat-rich, fibrous marl	Dusky yellowish brown, 10YR 2/2	--
M-68	255329	0802636	3.08	0.5	0-0.21	Peat-rich marl with shells and plant roots	Dark gray, N3	Area densely covered with young melaleucas
					0.21-0.5	Muck-rich peat	Brownish black, 5YR 2/1	--
					0.5-1.25	Light marl with <i>Planorbella</i>	Yellowish gray, 5Y 8/1	--
					1.25-1.75	Muck-rich, fibrous peat	Grayish black, N2	--
					1.75-2.5	Muck-rich, fibrous peat	Brownish black, 5YR 2/1	--
M-69	255327	0802613	1.83	0.25	2.5-3.08	Mud-rich marl	Dark gray, N3	--
					0-0.33	Loose gray mud	Medium dark gray, N4	--
					0.33-0.5	Marl with <i>Planorbella</i>	Medium gray, N5	--
					0.5-0.83	Muck-rich peat with <i>Planorbella</i>	Dusky yellowish brown, 10YR 2/2	--
M-70	255329	0802541	2.0	0.42	0.83-1.83	Mud-rich, fibrous peat	Grayish brown, 5YR 3/2, to dusky yellowish brown, 10YR 2/2	--
					0-0.67	Marl with <i>Planorbella</i>	Yellowish gray, 5Y 8/1	--
M-71	255328	0802443	--	--	0.67-2.0	Fibrous peat	Brownish black, 5YR 2/1	--
					--	--	--	Thick with melaleucas and fern leaves: no core taken
M-72	254902	0802601	0.5	1.6	0-0.5	Fibrous reddish peat	Brownish black, 5YR 2/1	--
M-73	254928	0802602	2.33	0.29	0-0.08	Periphyton	--	--
					0.08-0.25	Muck-rich peat	Grayish black, N2	--
					0.25-2.33	Fibrous reddish peat	Moderate brown, 5YR 3/4	--
M-74	254956	0802602	2.0	0.79	0-0.17	Muck-rich peat	Brownish black, 5YR 2/1	--
					0.17-2.0	Fibrous reddish peat	Moderate brown, 5YR 3/4	--
M-75	255022	0802600	1.92	0.13	0-0.17	Muck-rich peat	Brownish black, 5YR 2/1	--
					0.17-0.92	Fibrous reddish peat	Moderate brown, 5YR 3/4	--
					0.92-1.17	Marl with <i>Planorbella</i>	Yellowish gray, 5Y 7/2	--
					1.17-1.92	Fibrous reddish peat	Brownish black, 5YR 2/1	--
M-76	255048	0802604	2.5	0.08	0-0.08	Periphyton	--	--
					0.08-0.25	Muck-rich peat	Grayish black, N2	--
					0.25-2.33	Fibrous reddish peat	Moderate brown, 5YR 3/4	--
M-77	255116	0802605	--	--	2.33-2.5	Muck-rich, mud-rich fibrous material	Dark gray, N3	--
					--	--	--	Core stuck

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M-78	255032	0802901	2.17	0.83	0-0.25	Mud-rich, loose peat with algae	Brownish black, 5YR 2/1	--
					0.25-2.17	Peat	Brownish black, 5YR 2/1	--
M-79	255058	0802901	2.17	0.83	0-0.17	Loose peat and mud	Brownish black, 5YR 2/1	--
					0.17-0.25	Marl with small <i>Planorbella</i>	Yellowish gray, 5Y 7/2	--
					0.25-2.08	Mud-rich peat (large plant roots)	Brownish black, 5YR 2/1	--
					2.08-2.17	Marl with <i>Planorbella</i>	Yellowish gray, 5Y 7/2	--
					0-0.08	Plant and algae material	--	--
					0.08-0.5	Marl	Yellowish gray, 5Y 7/2	--
					0.5-0.67	Sand-rich peat	Yellowish gray, 5Y 7/2, to brownish black, 5YR 2/1	--
					0.67-0.75	Quartz sand	--	--
					0.75-0.92	Peat, moderately mud-rich	Brownish black, 5YR 2/1	--
M-80	255124	0802902	2.75	0.5	0.92-1.0	Marl with <i>Planorbella</i>	Light olive gray, 5Y 5/2	--
					1.0-1.17	Peat	Brownish black, 5YR 2/1	--
					1.17-1.42	Marl with small <i>Planorbella</i>	Yellowish gray, 5Y 7/2	--
					1.42-1.58	Peat	Brownish black, 5YR 2/1	--
					1.58-1.83	Peat-rich marl with <i>Planorbella</i>	Brownish black, 5YR 2/1, to yellowish gray, 5Y 7/2	--
					1.83-2.42	Peat with minor mud	Brownish black, 5YR 2/1	--
					2.42-2.75	Peat-rich marl with <i>Planorbella</i>	Light olive gray, 5Y 5/2, to brownish black, 5YR 2/1	--
					0-0.42	Peat with plant roots, muddy	Dark grayish black, N2	--
					0.42-1.42	Light marl with <i>Planorbella</i>	Yellowish gray, 5Y 7/2	--
M-81	255150	0802902	2.33	0.33	1.42-1.58	Peat, moderately mud-rich	Brownish black, 5YR 2/1	--
					1.58-2.08	Marl with small shells	Yellowish gray, 5Y 7/2	--
					2.08-2.25	Fibrous peat	Grayish black, N2	--
					2.25-2.33	Marl with very small shells, slightly fibrous	Yellowish gray, 5Y 7/2	--
					--	--	--	--
M-82	255218	0802904	--	--	0-0.33	Marl	Yellowish gray, 5Y 8/1	--
					0.33-0.5	Peat-rich marl with <i>Planorbella</i>	Olive black, 5Y 2/1	--
					0.5-0.96	Marl with abundant <i>Planorbella</i>	Yellowish gray, 5Y 8/1	--
					0.96-1.21	Marl with small minor shells	Yellowish gray, 5Y 8/1	--
					1.21-1.42	Marl-rich peat with a few shells	Brownish black, 5YR 2/1, to olive black, 5Y 2/1	--
					1.42-1.72	Marl with shells	Yellowish gray, 5Y 8/1	--
					1.92-2.17	Peat	Brownish black, 5YR 2/1	--

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M-84	255308	0802904	2.5	0.78	0-0.46	Mud-rich soil with plant roots	Brownish black, 5YR 2/1	--
					0.46-1.17	Marl with minor small gastropods	Yellowish gray, 5Y 8/1, to medium gray, N5	--
					1.17-1.75	Fibrous reddish peat	Moderate brown, 5YR 3/4	--
					1.75-2.21	Marl with minor small gastropods	Yellowish gray, 5Y 8/1	--
					2.21-2.5	Muck-rich and mud-rich fibrous material	Dark gray, N3	--
M-85	255337	0802902	--	--	--	--	Abundant loose limestone rocks on surface; could not core	
M-86	255356	0802842	2.0	0.17	0-0.25	Loose marl	Yellowish gray, 5Y 8/1	--
					0.25-0.79	Marl with shells	Yellowish gray, 5Y 8/1	--
					0.79-1.21	Interlaminated peat and marl layers with minor shells	Brownish black, 5YR 2/1, to yellowish gray, 5Y 8/1	--
					1.21-1.42	Muck-rich peat	Blackish gray, N2	--
					1.42-2.0	Marl	Yellowish gray, 5Y 8/1	--
M-87	255415	0802825	2.25	0.17	0-0.42	Peat, roots	Brownish black, 5YR 2/1	--
					0.42-1.08	Marl with gastropods	Yellowish gray, 5Y 8/1	--
					1.08-1.38	Marl with some very small gastropods	Yellowish gray, 5Y 8/1	--
					1.38-1.8	Reddish fibrous peat	Brownish black, 5YR 2/1	--
					1.8-2.25	Peat-rich marl with very minor shells and <i>Pomacea</i>	Yellowish gray, 5Y 8/1	--
M-88	255435	0802805	--	--	--	--	Area covered with limestone boulders; could not core	
M-89	255538	0802709	2.0	0.08	0-0.46	Mud-rich, peaty marl with some small gastropods	Light olive gray, 5Y 6/1	--
					0.46-0.71	Very shelly marl	Brownish gray, 5YR 4/1, to olive gray, 5Y 4/1	--
					0.71-0.92	Marl-rich, shell-rich peat	Dark yellowish brown, 10Y 4/2	--
					0.92-1.21	Muck-rich peat	Brownish black, 5YR 2/1	--
					1.21-1.25	Marl with shells	Yellowish gray, 5Y 8/1	--
					1.25-1.42	Peat-rich, fibrous marl	Moderate brown, 5YR 3/4	--
					1.42-1.58	Fibrous marl with minor small shells	Moderate brown, 5YR 3/4, to yellowish gray, 5Y 8/1	--
					1.58-2.0	Muck-rich and mud-rich fibrous material	Dark gray, N3	--
M-90	255556	0802653	1.5	0.17	0-0.17	Fibrous mud	Medium light gray, N6	--
					0.17-0.42	Muck-rich peat	Grayish black, N2	--
					0.42-0.78	Marl with some shells	Yellowish gray, 5Y 8/1	--
					0.78-1.25	Reddish fibrous peat	Brownish black, 5YR 2/1	--
					1.25-1.5	Muck-rich and mud-rich fibrous material	Dark gray, N3	--

Appendix V. Peat and marl push-core sample descriptions (Continued)

[Latitudes and longitudes referenced to North American Datum of 1983. --, no data or not applicable]

Core number	Latitude	Longitude	Length of core recovered (feet)	Amount of compaction in core (feet)	Sediment interval (wet)	Sediment description (wet)	Sediment color (wet)	Comments
M-91	255619	0802626	1.63	0.08	0-0.17	Mud-rich top soil with plant roots	Olive black, 5Y 2/1	--
					0.17-0.42	Marl with shells	Yellowish gray, 5Y 8/1	--
					0.42-1.17	Reddish fibrous peat	Moderate brown, 5YR 3/4	--
					1.17-1.63	Muck-rich and mud-rich fibrous material	Light olive gray, 5Y 6/1	--
M-92	255642	0802612	1.67	0.04	0-0.17	Marl with minor shells	Medium dark gray, N4	--
					0.17-0.78	Muck-rich peat	Black, N1	--
					0.78-1.33	Reddish fibrous peat	Moderate brown, 5YR 3/4	--
					1.33-1.5	Marl-rich peat with shells	Light brown, 5YR 6/4	--
M-93	255140	0802603	1.75	0.0	1.5-1.67	Reddish fibrous peat	Moderate brown, 5YR 3/4	--
					0-0.17	Peat with abundant plant roots	Grayish black, N2	--
					0.17-0.46	Muck-rich peat	Grayish black, N2	--
					0.46-1.42	Reddish fibrous peat	Brownish black, 5YR 2/1	--
M-94	255207	0802606	2.83	0.42	1.42-1.75	Muck-rich and mud-rich fibrous material	Dark gray, N3	--
					0-0.42	Muck-rich peat	Grayish black, N2	--
					0.42-2.58	Reddish fibrous peat	Brownish black, 5YR 2/1	--
M-95	255235	0802606	1.83	0.25	2.58-2.83	Muck-rich and mud-rich fibrous material	Dark gray, N3	--
					0-0.08	Muck-rich marl with minor shells	Light gray, N7	--
					0.08-0.42	Muck-rich peat	Grayish black, N2	--
M-96	255302	0802608	1.67	0.25	0.42-1.83	Reddish fibrous peat	Brownish black, 5YR 2/1	--
					0-0.5	Muck-rich peat with abundant plant roots	Grayish black, N2	--
					0.5-1.67	Reddish fibrous peat	Brownish black, 5YR 2/1	--
M-97	255359	0802612	1.17	0.08	0-0.42	Muck-rich and mud-rich, marl with shells, and abundant plant roots	Medium dark gray, N4	--
					0.42-0.78	Marl with no shells	Light gray, N7	--
					0.78-0.83	Marl with shells	Yellowish gray, 5Y 8/1	--
					0.83-1.17	Reddish fibrous peat	Brownish black, 5YR 2/1	--
M-98	255427	0802613	1.83	0.13	0-0.78	Muck-rich peat	Grayish black, N2	--
					0.78-1.83	Reddish fibrous peat	Brownish black, 5YR 2/1	--
M-99	255451	0802603	1.17	1.17	0-0.83	Muck-rich peat	Grayish black, N2	--
					0.83-1.17	Reddish fibrous peat	Brownish black, 5YR 2/1	--
M-100	255543	0802606	0.83	0.33	0-0.25	Muck	Dark gray, N4	--
					0.25-0.42	Marl with shells	Yellowish gray, 5Y 8/1	--
					0.42-0.83	Muck	Medium dark gray, N4	--
M-101	255726	0802620	2.58	0.25	0-0.13	Muck-rich peat with abundant plant roots	Grayish black, N2	--
					0.13-0.33	Marl with shells	Light olive gray, 5Y 6/1	--
					0.33-0.92	Reddish fibrous peat	Brownish black, 5YR 2/1	--
					0.92-1.83	Fibrous peat	Grayish black, N2	--
					1.83-2.58	Muck-rich and mud-rich fibrous material	Dark gray, N3	--

Appendix V. Peat and marl push-core sample descriptions (Continued)

[Latitudes and longitudes referenced to North American Datum of 1983. --, no data or not applicable]

Core number	Latitude	Longitude	Length of core recovered (feet)	Amount of compaction in core (feet)	Sediment interval (wet)	Sediment description (wet)	Sediment color (wet)	Comments
M-102	255821	0802621	1.33	0.42	0-0.5	Muck-rich peat	Grayish black, N2	--
					0.5-1.08	Fibrous peat	Brownish black, 5YR 2/1	--
					1.08-1.33	Muck-rich and mud-rich fibrous material	Dark gray, N3	--
M-103	255914	0802623	2.08	0.25	0-0.33	Muck-rich peat	Grayish black, N2	--
					0.33-1.5	Reddish fibrous peat	Brownish black, 5YR 2/1	--
					1.5-2.08	Muck-rich and mud-rich fibrous material	Dark gray, N3	--
M-104	260007	0802625	1.83	0.08	0-0.17	Muck	Dark gray, N3	--
					0.17-0.42	Muck-rich peat	Grayish black, N2	--
					0.42-1.17	Reddish fibrous peat	Moderate brown, 5YR 3/4	--
					1.17-1.67	Marl with shells	Light olive gray, 5Y 6/1	--
M-105	260104	0802626	1.5	0.17	1.67-1.83	Muck-rich and mud-rich fibrous material	Dark gray, N3	--
					0-0.08	Periphyton	Medium gray, N5	--
					0.08-0.42	Muck-rich peat	Grayish black, N2	--
M-106	260157	0802627	1.5	0.08	0.42-1.5	Reddish fibrous peat	Brownish black, 5YR 2/1	--
					0-0.5	Muck-rich peat	Grayish black, N2	--
M-107	260224	0802627	--	--	0.5-1.5	Reddish fibrous peat	Brownish black, 5YR 2/1	--
					--	--	--	Area covered with top soil (6 inches) and bushes, ferns, and grasses; limestone bedrock very near surface
M-108	260318	0802628	1.63	0.17	0-0.33	Muck-rich peat	Grayish black, N2	--
					0.33-1.17	Reddish fibrous peat	Brownish black, 5YR 2/1	--
					1.17-1.63	Quartz sand mixed with mud-rich fibrous material	Dark gray, N3	--
M-109	255723	0802546	1.13	0.04	0-0.42	Muck-rich peat	Grayish black, N2	--
					0.42-1.13	Reddish peat with abundant plant roots	Brownish black, 5YR 2/1	--
M-110	255723	0802415	1.75	0.25	0-0.67	Muck-rich peat	Grayish black, N2	--
					0.67-1.75	Muck-rich and mud-rich fibrous material	Grayish black, N2, to light olive gray, 5Y 6/1	--
M-111	255723	0802308	1.17	0.17	0-0.33	Muck-rich peat	Grayish black, N2	--
					0.33-1.17	Reddish fibrous peat	Brownish black, 5YR 2/1	--
M-112	255724	0802156	1.08	0.00	0-0.17	Muck-rich peat with quartz sand	Grayish black, N2	--
					0.17-1.08	Muck-rich peat with plant roots	Grayish black, N2	--
M-113	255721	0802056	1.88	0.83	0-0.33	Pine needles and muck-rich peat	Grayish black, N2	--
					0.33-1.67	Reddish fibrous peat	Brownish black, 5YR 2/1	--
					1.67-1.88	Fibrous peat, with quartz sand	Brownish black, 5YR 2/1	--
M-114	255654	0802113	1.83	0.25	0-0.5	Muck-rich peat	Grayish black, N2	--
					0.5-0.92	Reddish fibrous peat	Brownish black, 5YR 2/1	--
					0.92-1.25	Fibrous peat with quartz sand	Brownish black, 5YR 2/1	--
					1.25-1.83	Quartz sand	Yellowish gray 5Y 8/1	--

Appendix V. Peat and marl push-core sample descriptions (Continued)

[Latitudes and longitudes referenced to North American Datum of 1983. --, no data or not applicable]

Core number	Latitude	Longitude	Length of core recovered (feet)	Amount of compaction in core (feet)	Sediment interval (wet)	Sediment description (wet)	Sediment color (wet)	Comments
M-115	255633	0802137	1.54	0.00	0-0.25	Muck-rich peat	Grayish black, N2	--
					0.25-1.54	Quartz sand	Brownish black, 5YR 2/1, to light olive gray, 5Y 6/1	--
M-116	255728	0802430	1.33	0.08	0-0.33	Muck-rich peat	Grayish black, N2	--
					0.33-0.83	Reddish fibrous peat	Brownish black, 5YR 2/1	--
					0.83-1.33	Muck-rich and mud-rich fibrous material	Dark gray N3	--
M-117	255822	0802433	0.67	0.04	0-0.25	Muck-rich peat	Grayish black, N2	--
					0.25-0.67	Reddish fibrous peat	Brownish black, 5YR 2/1	--
M-118	255907	0802432	1.00	0.04	0-0.25	Muck-rich peat	Grayish black, N2	--
					0.25-0.75	Reddish fibrous peat	Brownish black, 5YR 2/1	--
					0.75-1.00	Muck-rich and mud-rich fibrous material	Dark gray, N3	--
M-119	260001	0802427	0.92	1.33	0-0.92	Muck-rich peat and soil	Black, N1	--