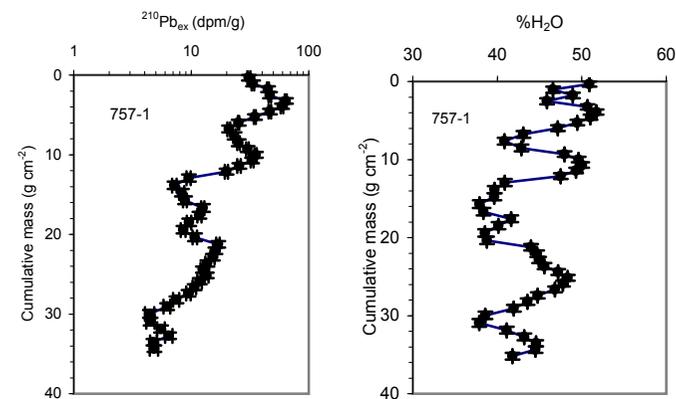


Huh et al. Downcore data on water content, cumulative mass, nuclide activities and sediment chronology

Depth (cm)	Content of water (%)	Cumulative mass* (g cm <sup>-2</sup> )	Mean deposition time (A.D.)**	<sup>210</sup> Pb <sub>ex</sub>	<sup>137</sup> Cs
				(dpm g <sup>-1</sup> )	
<b>757-1 (24°56.74'N, 122°28.32'E; 1484 m; collected on June 28, 2005)</b>					
0-1	50.89	0.335 ± 0.335	2004.6	30.94 ± 0.95	0.038 ± 0.003
1-2	46.58	1.050 ± 0.380	2002.6	33.39 ± 0.86	0.044 ± 0.004
2-3	48.94	1.786 ± 0.355	2000.6	44.89 ± 0.93	0.034 ± 0.002
3-4	45.89	2.529 ± 0.388	1998.5	46.58 ± 1.21	0.063 ± 0.003
4-5	50.68	3.254 ± 0.337	1996.6	63.66 ± 1.19	0.059 ± 0.003
5-6	51.73	3.918 ± 0.326	1994.7	59.10 ± 1.35	0.031 ± 0.003
6-7	51.03	4.578 ± 0.334	1992.9	46.52 ± 1.14	0.032 ± 0.006
7-8	49.45	5.261 ± 0.350	1991.0	34.75 ± 0.73	0.029 ± 0.004
8-9	47.15	5.985 ± 0.374	1989.1	25.24 ± 0.38	0.037 ± 0.003
9-10	43.08	6.779 ± 0.420	<b>1986.9</b>	20.90 ± 0.59	0.043 ± 0.004
10-11	40.84	7.646 ± 0.447	1983.5	23.25 ± 0.60	0.062 ± 0.003
11-12	42.84	8.516 ± 0.423	1980.1	25.30 ± 0.65	0.064 ± 0.004
12-13	47.96	9.304 ± 0.365	1977.0	30.06 ± 0.78	0.061 ± 0.003
13-14	49.60	10.02 ± 0.348	1974.3	35.28 ± 0.86	0.115 ± 0.006
14-15	50.01	10.71 ± 0.344	1971.6	32.93 ± 0.88	0.107 ± 0.006
15-16	49.32	11.40 ± 0.351	1968.8	25.53 ± 0.86	0.157 ± 0.006
16-17	47.49	12.13 ± 0.371	1966.0	19.95 ± 0.60	0.127 ± 0.005
17-18	40.89	12.94 ± 0.446	1962.9	9.50 ± 0.40	0.093 ± 0.004
18-19	39.66	13.85 ± 0.461	<b>1959.3</b>	7.18 ± 0.31	0.068 ± 0.003
19-20	39.63	14.77 ± 0.462	1957.4	8.29 ± 0.42	0.073 ± 0.003
20-21	37.88	15.72 ± 0.484	1955.4	8.82 ± 0.33	0.080 ± 0.004
21-22	38.35	16.68 ± 0.478	1953.4	12.51 ± 0.40	0.050 ± 0.003
22-23	41.64	17.60 ± 0.437	1951.5	11.72 ± 0.46	0.036 ± 0.002
23-24	40.14	18.49 ± 0.455	1949.7	9.58 ± 0.44	0.019 ± 0.003
24-25	38.53	19.42 ± 0.476	<b>1947.7</b>	8.54 ± 0.38	
25-26	38.78	20.37 ± 0.472	1945.7	10.72 ± 0.45	

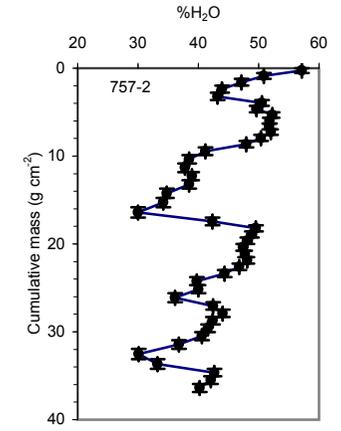
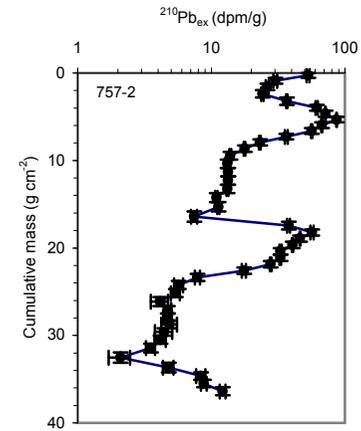


26-27	43.98	21.25 ± 0.410	1943.8	16.89 ± 0.62
27-28	44.71	22.06 ± 0.401	1942.0	15.97 ± 0.63
28-29	44.94	22.86 ± 0.399	1940.2	15.18 ± 0.63
29-30	45.58	23.65 ± 0.392	1938.5	13.68 ± 0.53
30-31	47.19	24.42 ± 0.374	1936.9	12.54 ± 0.53
31-32	48.33	25.15 ± 0.362	1935.3	13.49 ± 0.52
32-33	47.76	25.88 ± 0.368	1933.7	11.76 ± 0.52
33-34	46.83	26.63 ± 0.378	1932.0	10.65 ± 0.37
34-35	44.79	27.40 ± 0.400	1930.4	9.45 ± 0.43
35-36	43.57	28.22 ± 0.414	1928.6	7.45 ± 0.43
36-37	41.95	29.07 ± 0.433	1926.7	6.22 ± 0.42
37-38	38.57	29.98 ± 0.475	1924.8	4.44 ± 0.40
38-39	37.87	30.93 ± 0.484	<b>1922.7</b>	4.49 ± 0.36
39-40	41.12	31.86 ± 0.443		5.53 ± 0.42
40-41	43.18	32.72 ± 0.419		6.46 ± 0.46
41-42	44.57	33.55 ± 0.403		4.76 ± 0.31
42-43	44.51	34.35 ± 0.404		4.83 ± 0.39
43-44	41.79	35.19 ± 0.435		

**757-2 (24°56.74'N, 122°32.82'E; 1503 m; collected on June 28, 2005)**

0-1	57.15	0.274 ± 0.274	2005.1	53.02 ± 1.32	
1-2	50.85	0.884 ± 0.335	2004.3	30.17 ± 0.93	
2-3	47.14	1.594 ± 0.374	2003.3	26.20 ± 0.64	
3-4	43.93	2.378 ± 0.410	<b>2002.2</b>	24.13 ± 0.42	
4-5	43.18	3.207 ± 0.419	2001.2	36.78 ± 0.36	
5-6	50.51	3.965 ± 0.339	2000.2	61.53 ± 1.19	
6-7	49.61	4.652 ± 0.348	1999.3	71.54 ± 0.50	
7-8	52.30	5.321 ± 0.321	1998.4	86.71 ± 0.55	
8-9	51.78	5.968 ± 0.326	1997.6	67.11 ± 0.40	0.033 ± 0.016
9-10	51.73	6.620 ± 0.326	1996.7	56.35 ± 0.62	

10-11	52.03	7.270 ± 0.323	1995.9	36.40 ± 0.89	0.059 ± 0.111
11-12	50.37	7.933 ± 0.340	1995.0	23.09 ± 0.29	0.064 ± 0.020
12-13	47.95	8.639 ± 0.366	1994.1	17.72 ± 0.24	0.086 ± 0.011
13-14	41.17	9.448 ± 0.443	1993.1	13.90 ± 0.23	0.041 ± 0.015
14-15	38.47	10.37 ± 0.476	1991.9	13.20 ± 0.42	
15-16	37.79	11.33 ± 0.485	1990.6	13.37 ± 0.28	
16-17	38.92	12.28 ± 0.471	1989.4	13.38 ± 0.21	0.053 ± 0.003
17-18	38.46	13.23 ± 0.476	1988.2	13.21 ± 0.21	0.064 ± 0.003
18-19	34.78	14.23 ± 0.525	<b>1986.9</b>	10.93 ± 0.19	0.066 ± 0.003
19-20	34.16	15.29 ± 0.534	1985.7	11.29 ± 0.23	0.061 ± 0.012
20-21	30.00	16.42 ± 0.594	1984.4	7.45 ± 0.39	
21-22	42.34	17.44 ± 0.429	1983.2	37.89 ± 0.95	
22-23	49.51	18.22 ± 0.349	1982.4	56.69 ± 1.58	
23-24	48.82	18.92 ± 0.356	1981.6	46.16 ± 0.42	0.196 ± 0.014
24-25	48.08	19.65 ± 0.364	1980.8	40.51 ± 0.42	0.160 ± 0.006
25-26	47.38	20.38 ± 0.372	1979.9	32.99 ± 0.66	0.186 ± 0.007
26-27	47.71	21.12 ± 0.368	1979.1	32.88 ± 0.44	0.157 ± 0.012
27-28	48.12	21.85 ± 0.364	1978.3	27.79 ± 0.38	0.148 ± 0.011
28-29	46.78	22.60 ± 0.378	1977.4	17.54 ± 0.63	0.111 ± 0.023
29-30	44.33	23.38 ± 0.406	1976.5	7.89 ± 0.34	0.100 ± 0.012
30-31	39.75	24.25 ± 0.460	1975.6	5.70 ± 0.43	
31-32	40.02	25.16 ± 0.457	1974.5	5.41 ± 0.42	0.070 ± 0.016
32-33	36.12	26.13 ± 0.507	1973.4	4.13 ± 0.61	0.053 ± 0.025
33-34	42.45	27.06 ± 0.427	1972.4	4.73 ± 0.30	
34-35	44.01	27.90 ± 0.409	1971.4	4.72 ± 0.35	
35-36	42.39	28.73 ± 0.428	1970.5	4.88 ± 0.65	0.074 ± 0.067
36-37	41.59	29.60 ± 0.438	1969.5	4.45 ± 0.66	0.039 ± 0.033
37-38	40.60	30.49 ± 0.450	1968.5	4.16 ± 0.40	0.112 ± 0.028
38-39	36.77	31.44 ± 0.498	1967.4	3.52 ± 0.27	0.104 ± 0.016
39-40	30.12	32.53 ± 0.592	<b>1966.2</b>	2.09 ± 0.38	0.056 ± 0.027



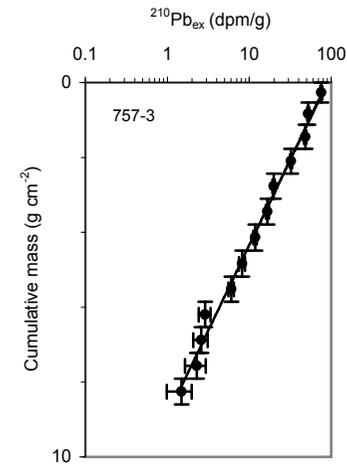
40-41	33.22	33.67 ± 0.547	4.79 ± 0.43	0.116 ± 0.026
41-42	42.63	34.64 ± 0.425	8.38 ± 0.67	0.113 ± 0.027
42-43	42.06	35.49 ± 0.432	8.79 ± 0.43	0.069 ± 0.020
43-44	40.24	36.38 ± 0.454	12.16 ± 0.59	0.120 ± 0.005

**757-3 (24°58.51'N, 122°56.11'E; 1677 m; collected on June 28, 2005)**

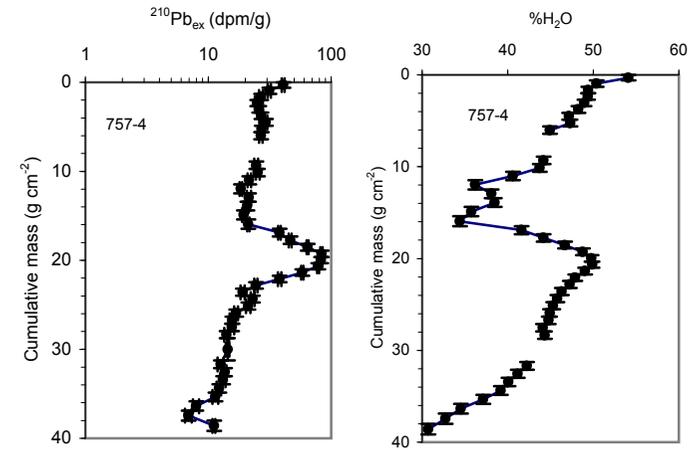
0-1	58.10	0.266 ± 0.266	2001.3	76.02 ± 2.08
1-2	54.54	0.830 ± 0.299	1992.5	52.35 ± 1.46
2-3	52.29	1.450 ± 0.321	1982.8	48.25 ± 1.47
3-4	51.38	2.101 ± 0.330	1972.6	32.41 ± 0.98
4-5	50.59	2.769 ± 0.338	1962.2	19.86 ± 0.60
5-6	50.22	3.448 ± 0.342	1951.5	16.61 ± 0.73
6-7	49.44	4.140 ± 0.350	1940.7	11.78 ± 0.56
7-8	49.70	4.837 ± 0.347	1929.8	8.16 ± 0.69
8-9	50.68	5.521 ± 0.337	1919.1	6.01 ± 0.47
9-10	50.42	6.198 ± 0.340	1908.5	2.88 ± 0.48
10-11	50.29	6.879 ± 0.341		2.59 ± 0.52
11-12	49.70	7.567 ± 0.347		2.29 ± 0.64
12-13	50.00	8.258 ± 0.344		1.49 ± 0.50
13-14	50.86	8.937 ± 0.335		1.77 ± 0.47
14-15	50.33	9.613 ± 0.341		0.97 ± 0.41

**757-4 (24°53.06'N, 122°33.32'E; 1524 m; collected on June 28, 2005)**

0-1	54.10	0.303 ± 0.303	2005.4	40.74 ± 1.11
1-2	50.39	0.946 ± 0.340	2005.3	31.36 ± 1.00
2-3	49.39	1.637 ± 0.350	2005.2	26.88 ± 0.92
3-4	49.37	2.338 ± 0.351	2005.0	25.01 ± 1.03
4-5	48.96	3.043 ± 0.355	2004.9	25.89 ± 0.89
5-6	48.25	3.760 ± 0.362	2004.7	26.94 ± 0.92
6-7	47.18	4.496 ± 0.374	2004.6	29.42 ± 0.88



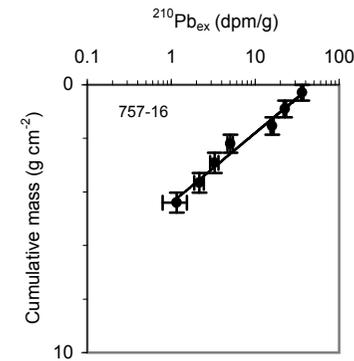
7-8	47.32	5.243 ± 0.372	2004.4	27.21 ± 1.07	
8-9	44.94	6.014 ± 0.399	2004.3	26.76 ± 0.85	
9-10		7.663 ± 1.250	2003.9		
10-11	44.19	9.320 ± 0.407	2003.6	24.54 ± 0.82	
11-12	43.73	10.14 ± 0.413	2003.4	25.29 ± 0.90	
12-13	40.59	11.00 ± 0.450	2003.3	21.56 ± 0.68	
13-14	36.18	11.96 ± 0.506	2003.1	18.41 ± 0.49	
14-15	38.08	12.95 ± 0.481	2002.9	21.40 ± 0.82	
15-16	38.46	13.90 ± 0.477	2002.7	20.75 ± 0.56	
16-17	35.74	14.89 ± 0.512	2002.5	19.37 ± 0.57	
17-18	34.42	15.93 ± 0.530	<b>2002.247</b>	21.17 ± 0.48	0.034 ± 0.012
18-19	41.62	16.90 ± 0.437	2001.6	37.91 ± 0.94	
19-20	44.16	17.75 ± 0.408	2000.9	46.44 ± 1.21	0.040 ± 0.016
20-21	46.67	18.53 ± 0.380	2000.4	64.42 ± 1.15	0.085 ± 0.012
21-22	48.76	19.27 ± 0.357	1999.9	83.42 ± 1.65	
22-23	49.79	19.97 ± 0.346	1999.4	82.60 ± 1.82	
23-24	49.90	20.66 ± 0.345	1998.9	78.39 ± 1.49	0.097 ± 0.011
24-25	49.04	21.36 ± 0.354	1998.4	58.20 ± 1.25	
25-26	47.88	22.08 ± 0.366	1997.8	38.01 ± 1.27	
26-27	47.24	22.82 ± 0.373	1997.3	24.35 ± 0.71	
27-28	46.32	23.58 ± 0.383	1996.778	19.07 ± 0.76	
28-29	45.77	24.35 ± 0.389	1996.2	23.01 ± 0.86	
29-30	45.31	25.14 ± 0.395	1995.7	21.12 ± 0.87	0.097 ± 0.012
30-31	44.93	25.93 ± 0.399	1995.1	16.83 ± 0.64	
31-32	44.77	26.73 ± 0.401	1994.5	15.66 ± 0.71	
32-33	44.12	27.54 ± 0.408	1993.9	15.55 ± 0.68	0.048 ± 0.013
33-34	44.32	28.35 ± 0.406	1993.4	14.09 ± 0.65	
34-35		30.01 ± 1.250	1992.2	14.37 ± 0.47	
35-36	42.25	31.69 ± 0.430	1990.983	12.63 ± 0.71	0.061 ± 0.015
36-37	41.17	32.56 ± 0.443	1990.4	13.64 ± 0.46	



37-38	40.06	33.46 ± 0.456	1989.7	13.14 ± 0.65
38-39	39.17	34.38 ± 0.468	1989.1	12.23 ± 0.51
39-40	37.14	35.35 ± 0.494	1988.4	11.41 ± 0.60
40-41	34.52	36.37 ± 0.529	1987.6	7.98 ± 0.46
41-42	32.71	37.45 ± 0.554	<b>1986.871</b>	6.91 ± 0.43
42-43	30.71	38.59 ± 0.583		11.12 ± 0.32

**757-16 (25°18.99'N, 123°11.98'E; 1305 m; collected on June 27, 2005)**

0-1	55.13	0.293 ± 0.293	1996.1	36.35 ± 1.04
1-2	53.10	0.899 ± 0.313	1976.6	22.55 ± 0.74
2-3	51.99	1.536 ± 0.324	1956.1	15.92 ± 0.73
3-4	50.48	2.199 ± 0.339	1934.8	5.04 ± 0.37
4-5	46.98	2.914 ± 0.376	1911.8	3.28 ± 0.37
5-6	47.81	3.657 ± 0.367		2.16 ± 0.28
6-7	47.02	4.400 ± 0.376		1.16 ± 0.38
7-8	45.78	5.165 ± 0.389		1.86 ± 0.29
8-9	46.36	5.937 ± 0.383		2.76 ± 0.28
9-10	45.17	6.716 ± 0.396		0.57 ± 0.28
10-11	45.51	7.505 ± 0.392		1.18 ± 0.28
11-12	45.42	8.290 ± 0.393		0.52 ± 0.25
12-13	45.49	9.076 ± 0.392		0.59 ± 0.27
13-14	45.68	9.86 ± 0.390		0.05 ± 0.26
14-15	45.70	10.64 ± 0.390		
15-16	45.70	11.42 ± 0.390		
16-17	45.48	12.20 ± 0.393		
17-18	45.47	12.99 ± 0.393		
18-19	44.88	13.78 ± 0.399		
19-20	46.12	14.57 ± 0.386		



\* Cumulative mass is integrated from the core top to the mid-depth of each sampling interval.

\*\* Chronologies are established from  $^{210}\text{Pb}$  decay in hemipelagic sediments and constrained by  $^{137}\text{Cs}$  stratigraphy and turbidites caused by historical earthquakes as time markers.