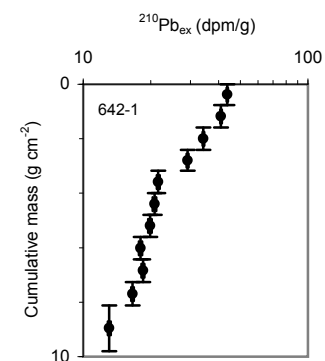


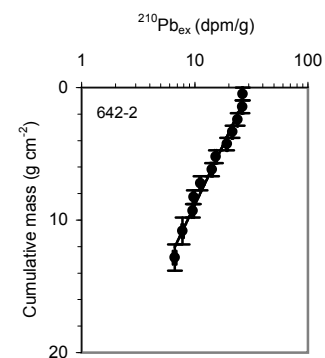
Huh et al. Downcore data on water content, cumulative mass, nuclide activities and sediment chronology

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>642-1 (25°00.69'N, 122°19.81'E; 1128 m; collected on April 25, 2002)</b>					
0-1	46.47	0.382 ± 0.382	1999.7	43.79 ± 0.25	0.046 ± 0.008
1-2	43.79	1.175 ± 0.412	1994.2	41.01 ± 0.32	0.108 ± 0.010
2-3	44.03	1.996 ± 0.409	1988.5	34.25 ± 0.29	0.061 ± 0.013
3-4	46.02	2.792 ± 0.387	1983.0	29.15 ± 0.29	0.083 ± 0.013
4-5	43.94	3.589 ± 0.410	1977.4	21.58 ± 0.31	0.150 ± 0.015
5-6	45.07	4.396 ± 0.397	1971.8	20.76 ± 0.36	0.199 ± 0.015
6-7	44.44	5.198 ± 0.404	1966.3	19.83 ± 0.35	0.211 ± 0.019
7-8	43.95	6.012 ± 0.410	1960.6	18.00 ± 0.31	0.161 ± 0.011
8-9	43.00	6.843 ± 0.421	1954.9	18.44 ± 0.27	0.147 ± 0.007
9-10	42.49	7.691 ± 0.427	1949.0	16.59 ± 0.22	0.059 ± 0.012
10-12	43.04	8.959 ± 0.841	1940.2	13.06 ± 0.20	0.039 ± 0.006



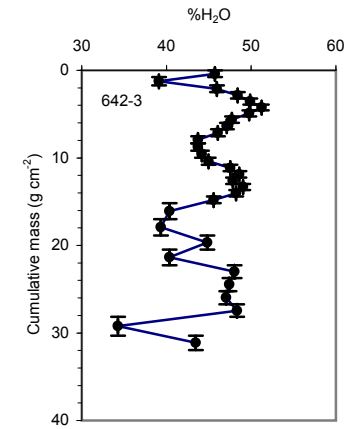
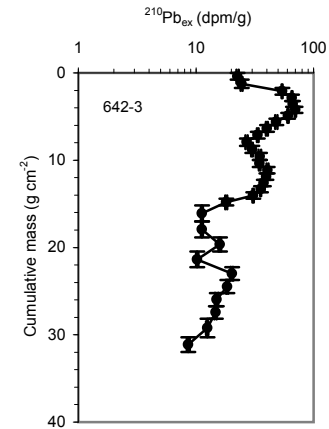
**642-2 (25°10.26'N, 122°25.09'E; 836 m; collected on April 25, 2002)**

0-1	37.97	0.48 ± 0.483	2000.3	26.42 ± 0.22	0.071 ± 0.009
1-2	37.59	1.45 ± 0.488	1996.4	26.25 ± 0.30	0.069 ± 0.008
2-3	39.29	2.41 ± 0.466	1992.4	23.89 ± 0.20	0.070 ± 0.006
3-4	39.78	3.33 ± 0.460	1988.6	21.51 ± 0.24	0.125 ± 0.005
4-5	38.98	4.26 ± 0.470	1984.8	19.26 ± 0.22	0.152 ± 0.006
5-6	38.27	5.21 ± 0.479	1980.9	15.35 ± 0.29	0.174 ± 0.011
6-7	36.41	6.19 ± 0.503	1976.9	14.17 ± 0.24	0.232 ± 0.011
7-8	34.93	7.22 ± 0.523	1972.7	11.17 ± 0.21	0.110 ± 0.010
8-9	34.81	8.27 ± 0.525	1968.4	9.79 ± 0.19	0.134 ± 0.009
9-10	36.34	9.30 ± 0.504	1964.2	9.61 ± 0.22	0.078 ± 0.005
10-12	36.13	10.81 ± 1.014	1957.9	7.79 ± 0.18	0.044 ± 0.004
12-14	36.98	12.82 ± 0.991	1949.7	6.65 ± 0.25	0.022 ± 0.007



**642-3 (25°00.02'N, 122°30.00'E; 1465 m; collected on April 28, 2002)**

0-1	45.73	0.39 ± 0.390	2001.6	22.58 ± 0.47	0.083 ± 0.010
1-2	39.12	1.25 ± 0.468	1999.9	24.41 ± 0.40	0.080 ± 0.010
2-3	45.95	2.10 ± 0.387	1998.2	53.96 ± 0.58	0.081 ± 0.007
3-4	48.39	2.85 ± 0.361	1996.8	65.51 ± 0.71	0.103 ± 0.010
4-5	49.88	3.56 ± 0.345	1995.4	66.71 ± 0.72	0.082 ± 0.010
5-6	51.24	4.23 ± 0.331	1994.1	70.11 ± 0.81	0.106 ± 0.013
6-7	49.78	4.91 ± 0.346	1992.8	60.65 ± 0.79	0.114 ± 0.008
7-8	47.74	5.63 ± 0.368	1991.4	48.13 ± 1.00	0.079 ± 0.014
8-9	47.11	6.37 ± 0.375	1989.9	40.07 ± 0.64	0.133 ± 0.008
9-10	46.07	7.13 ± 0.386	1988.4	33.49 ± 0.60	0.096 ± 0.008
10-11	43.71	7.93 ± 0.413	<b>1986.9</b>	26.93 ± 0.55	0.124 ± 0.009
11-12	43.73	8.75 ± 0.413	1983.8	30.00 ± 0.50	0.103 ± 0.010
12-13	44.16	9.57 ± 0.408	1980.8	34.92 ± 0.83	0.110 ± 0.005
13-14	44.97	10.38 ± 0.398	1977.9	34.79 ± 0.56	0.127 ± 0.009
14-15	47.55	11.15 ± 0.370	1975.1	40.55 ± 0.74	0.138 ± 0.008
15-16	48.58	11.88 ± 0.359	1972.4	39.60 ± 0.53	0.177 ± 0.013
16-17	47.83	12.60 ± 0.367	1969.7	37.66 ± 0.74	0.164 ± 0.009
17-18	49.04	13.32 ± 0.354	1967.1	35.46 ± 0.44	0.193 ± 0.010
18-19	48.21	14.04 ± 0.363	1964.5	30.58 ± 0.41	0.200 ± 0.012
19-20	45.55	14.80 ± 0.392	1961.7	18.06 ± 0.31	0.132 ± 0.011
20-22	40.36	16.09 ± 0.905	1958.9	11.21 ± 0.21	0.121 ± 0.006
22-24	39.35	17.93 ± 0.931	1955.0	11.25 ± 0.21	0.134 ± 0.011
24-26	44.80	19.66 ± 0.801	1951.3	15.96 ± 0.42	0.139 ± 0.015
26-28	40.34	21.37 ± 0.906	<b>1947.7</b>	10.25 ± 0.24	0.087 ± 0.008
28-30	48.01	23.00 ± 0.730	1942.3	20.19 ± 0.45	0.045 ± 0.005
30-32	47.43	24.48 ± 0.743	1937.4	18.40 ± 0.38	0.034 ± 0.004
32-34	47.05	25.97 ± 0.751	1932.4	14.96 ± 0.47	
34-36	48.32	27.44 ± 0.723	1927.4	14.66 ± 0.35	
36-38	34.25	29.23 ± 1.065	1921.4	12.45 ± 0.29	



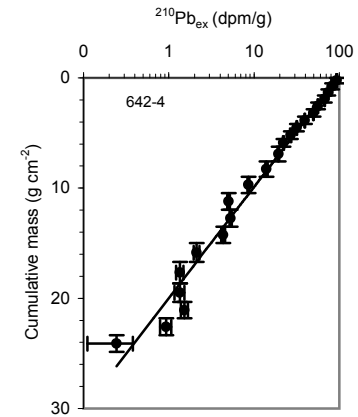
38-40      43.47      31.13 ± 0.831      1915.1      8.59 ± 0.24

**642-4 (25°00.10'N, 122°40.07'E; 1474 m; collected on April 26, 2002)**

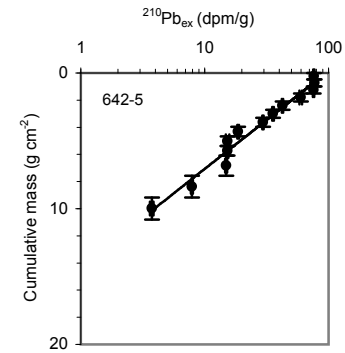
0-1	60.87	0.241 ± 0.241	2000.5	93.06 ± 0.82	0.153 ± 0.007
1-2	56.82	0.760 ± 0.277	1996.6	81.88 ± 1.08	0.161 ± 0.008
2-3	55.99	1.323 ± 0.285	1992.3	73.67 ± 0.66	0.161 ± 0.008
3-4	52.67	1.925 ± 0.317	1987.8	67.21 ± 0.70	0.205 ± 0.011
4-5	53.75	2.548 ± 0.307	1983.1	55.84 ± 0.45	0.240 ± 0.015
5-6	51.49	3.184 ± 0.329	1978.3	49.66 ± 0.44	0.267 ± 0.013
6-7	50.74	3.849 ± 0.336	1973.3	39.22 ± 0.34	0.338 ± 0.011
7-8	50.67	4.522 ± 0.337	1968.2	31.72 ± 0.30	0.353 ± 0.012
8-9	49.64	5.207 ± 0.348	1963.0	26.92 ± 0.41	0.323 ± 0.016
9-10	50.66	5.892 ± 0.337	1957.8	22.11 ± 0.35	0.157 ± 0.011
10-12	50.41	6.909 ± 0.680	1950.1	19.28 ± 0.37	0.082 ± 0.009
12-14	50.02	8.277 ± 0.688	1939.8	13.96 ± 0.42	0.041 ± 0.007
14-16	47.46	9.706 ± 0.742	1929.0	8.60 ± 0.20	0.028 ± 0.015
16-18	46.70	11.21 ± 0.758	1917.7	5.03 ± 0.19	
18-20	46.10	12.74 ± 0.771	1906.1	5.31 ± 0.15	
20-22	47.52	14.25 ± 0.741		4.34 ± 0.22	
22-24	42.49	15.84 ± 0.854		2.12 ± 0.17	
24-26	37.72	17.67 ± 0.972		1.35 ± 0.13	
26-28	43.18	19.48 ± 0.838		1.35 ± 0.18	
28-30	46.88	21.07 ± 0.754		1.53 ± 0.14	
30-32	46.61	22.58 ± 0.760		0.93 ± 0.14	
32-34	46.61	24.11 ± 0.760		0.24 ± 0.13	

**642-5 (25°10.24'N, 122°50.08'E; 1575 m; collected on April 26, 2002)**

0-1	62.00	0.232 ± 0.232	1999.9	76.03 ± 0.99	0.196 ± 0.015
1-2	58.84	0.722 ± 0.259	1994.9	76.96 ± 0.85	0.189 ± 0.012
2-3	58.22	1.246 ± 0.265	1989.5	75.56 ± 0.78	0.225 ± 0.012

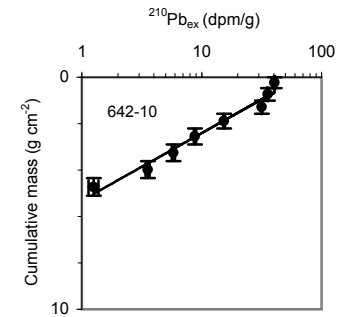


3-4	55.15	1.804 ± 0.293	1983.8	59.56 ± 1.30	0.252 ± 0.009
4-5	54.22	2.399 ± 0.302	1977.7	42.40 ± 0.52	0.456 ± 0.014
5-6	53.91	3.006 ± 0.305	1971.5	35.61 ± 0.47	0.353 ± 0.014
6-7	51.86	3.636 ± 0.325	1965.0	29.55 ± 0.40	0.176 ± 0.011
7-8	48.97	4.316 ± 0.355	1958.0	18.61 ± 0.28	0.111 ± 0.007
8-9	49.56	5.019 ± 0.349	1950.8	15.30 ± 0.51	0.086 ± 0.007
9-10	48.94	5.723 ± 0.355	1943.6	15.28 ± 0.23	0.079 ± 0.007
10-12	47.28	6.823 ± 0.746	1932.3	14.91 ± 0.24	0.042 ± 0.005
12-14	44.88	8.368 ± 0.799	1916.4	7.88 ± 0.15	0.038 ± 0.008
14-16	44.05	9.984 ± 0.818	1899.8	3.74 ± 0.12	0.036 ± 0.010



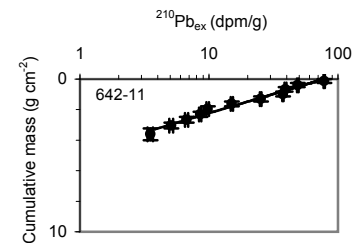
**642-10 (24°49.92'N, 123°20.26'E; 1861 m; collected on April 27, 2002)**

0-1	61.78	0.233 ± 0.233	1996.4	40.58 ± 0.54	0.154 ± 0.009
1-2	57.88	0.735 ± 0.268	1983.6	35.53 ± 0.51	0.248 ± 0.010
2-3	55.96	1.288 ± 0.285	1969.5	31.68 ± 0.44	0.145 ± 0.015
3-4	52.82	1.889 ± 0.316	1954.3	15.38 ± 0.24	0.083 ± 0.008
4-5	49.87	2.550 ± 0.345	1937.4	8.79 ± 0.18	0.053 ± 0.008
5-6	48.48	3.255 ± 0.360	1919.5	5.82 ± 0.17	0.051 ± 0.016
6-7	47.81	3.982 ± 0.367	1901.0	3.54 ± 0.14	0.074 ± 0.009
7-8	46.82	4.727 ± 0.378	1882.0	1.26 ± 0.12	0.041 ± 0.021



**642-11 (24°39.89'N, 123°20.08'E; 1314 m; collected on April 27, 2002)**

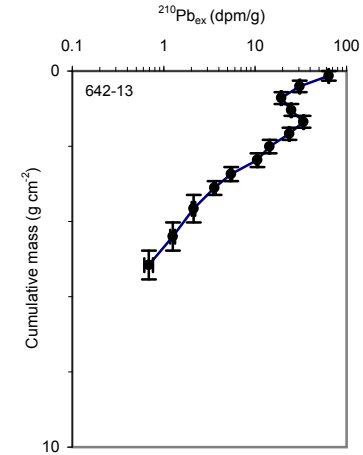
0-0.5	59.91	0.125 ± 0.125	1998.6	78.23 ± 0.72	0.194 ± 0.016
0.5-1	56.66	0.389 ± 0.139	1990.8	48.76 ± 0.65	0.164 ± 0.016
1-1.5	54.49	0.678 ± 0.150	1982.3	39.17 ± 0.61	0.192 ± 0.012
1.5-2	53.23	0.984 ± 0.156	1973.3	37.40 ± 0.47	0.136 ± 0.011
2-2.5	52.50	1.299 ± 0.159	1964.0	25.18 ± 0.37	0.105 ± 0.011
2.5-3	51.48	1.623 ± 0.164	1954.5	15.03 ± 0.30	0.091 ± 0.007
3-3.5	50.15	1.958 ± 0.171	1944.6	9.77 ± 0.20	
3.5-4	49.32	2.305 ± 0.176	1934.3	8.55 ± 0.19	



4-4.5	47.65	2.665 ± 0.184	1923.7	6.71 ± 0.19
4.5-5	47.57	3.034 ± 0.185	1912.8	5.10 ± 0.18
5-6	45.58	3.611 ± 0.392	1895.8	3.51 ± 0.18

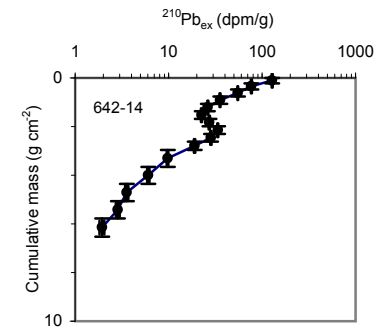
**642-13 (24°50.09'N, 123°09.88'E; 1699 m; collected on April 27, 2002)**

0-0.5	58.98	0.129 ± 0.129	1999.5	63.55 ± 0.62	0.158 ± 0.022
0.5-1	54.39	0.408 ± 0.150	1993.5	30.60 ± 0.38	0.120 ± 0.035
1-1.5	52.48	0.718 ± 0.159	<b>1986.9</b>	19.36 ± 0.31	0.047 ± 0.025
1.5-2	52.62	1.036 ± 0.159	1978.2	24.81 ± 0.36	0.105 ± 0.025
2-2.5	53.16	1.351 ± 0.156	1969.5	33.73 ± 0.44	
2.5-3	51.80	1.670 ± 0.163	1960.8	23.67 ± 0.33	
3-3.5	49.01	2.010 ± 0.177	1951.5	14.39 ± 0.22	
3.5-4	47.98	2.370 ± 0.183	1941.6	10.58 ± 0.20	
4-4.5	47.42	2.738 ± 0.186	1931.5	5.45 ± 0.13	
4.5-5	47.63	3.108 ± 0.185	1921.4	3.59 ± 0.10	
5-6	47.84	3.659 ± 0.367	1906.3	2.12 ± 0.10	
6-7	47.07	4.401 ± 0.375	1886.0	1.25 ± 0.07	
7-8	46.49	5.158 ± 0.381	1865.2	0.69 ± 0.08	



**642-14 (24°59.99'N, 123°10.01'E; 1821 m; collected on April 27, 2002)**

0-0.5	63.21	0.111 ± 0.111	1999.9	127.97 ± 1.34	0.188 ± 0.012
0.5-1	59.57	0.348 ± 0.126	1994.8	76.65 ± 0.95	0.260 ± 0.019
1-1.5	56.11	0.616 ± 0.142	1989.0	54.94 ± 0.63	0.236 ± 0.017
1.5-2	54.21	0.909 ± 0.151	1982.6	35.52 ± 0.46	0.148 ± 0.014
2-2.5	53.69	1.214 ± 0.154	1976.1	26.27 ± 0.34	0.187 ± 0.013
2.5-3	53.23	1.523 ± 0.156	1969.4	22.44 ± 0.32	0.143 ± 0.012
3-3.5	53.83	1.832 ± 0.153	1962.7	27.24 ± 0.36	0.159 ± 0.010
3.5-4	53.18	2.140 ± 0.156	1956.0	33.61 ± 0.43	0.058 ± 0.012
4-4.5	52.17	2.457 ± 0.161	1949.1	28.32 ± 0.41	0.240 ± 0.009
4.5-5	50.56	2.788 ± 0.169	1942.0	18.99 ± 0.31	0.110 ± 0.011



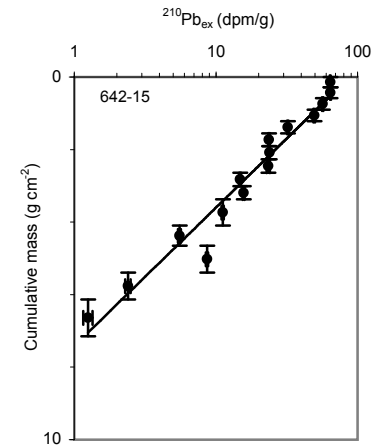
5-6	49.50	3.306 ± 0.349	1930.8	9.73 ± 0.22	0.064 ± 0.006
6-7	49.61	4.003 ± 0.348	1915.7	6.06 ± 0.17	0.057 ± 0.008
7-8	48.95	4.706 ± 0.355	1900.5	3.57 ± 0.14	
8-9	48.66	5.419 ± 0.358	1885.0	2.86 ± 0.13	
9-10	47.40	6.149 ± 0.372	1869.2	1.93 ± 0.12	

**642-15 (25°00.02'N, 123°00.02'E; 1602 m; collected on April 28, 2002)**

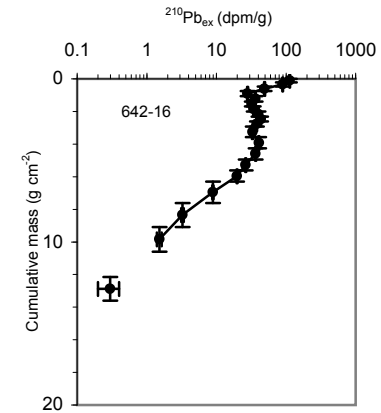
0-0.5	56.41	0.141 ± 0.141	1999.6	64.13 ± 0.46	0.254 ± 0.011
0.5-1	54.17	0.432 ± 0.151	1993.9	64.42 ± 0.52	0.283 ± 0.014
1-1.5	53.04	0.740 ± 0.157	1987.9	56.74 ± 0.49	0.208 ± 0.013
1.5-2	52.60	1.056 ± 0.159	1981.8	49.43 ± 0.56	0.161 ± 0.013
2-2.5	50.59	1.384 ± 0.169	1975.5	32.21 ± 0.31	0.108 ± 0.010
2.5-3	49.20	1.729 ± 0.176	1968.8	23.70 ± 0.28	0.128 ± 0.011
3-3.5	48.38	2.086 ± 0.181	1961.8	23.85 ± 0.23	0.094 ± 0.011
3.5-4	47.63	2.451 ± 0.185	1954.7	23.44 ± 0.60	0.090 ± 0.007
4-4.5	47.39	2.821 ± 0.186	1947.5	14.82 ± 0.22	
4.5-5	47.64	3.191 ± 0.184	1940.4	15.69 ± 0.23	
5-6	48.31	3.738 ± 0.362	1929.7	11.16 ± 0.19	
6-7	56.83	4.377 ± 0.277	1917.3	5.53 ± 0.12	
7-8	47.67	5.023 ± 0.369	1904.8	8.66 ± 0.17	
8-9	47.48	5.762 ± 0.371	1890.4	2.40 ± 0.10	
9-10	36.12	6.640 ± 0.507	1873.4	1.25 ± 0.09	

**642-16 (24°49.96'N, 123°00.03'E; 1651 m; collected on April 28, 2002)**

0-0.5	64.05	0.107 ± 0.107	2000.5	112.86 ± 1.14	0.141 ± 0.006
0.5-1	59.96	0.339 ± 0.125	1996.5	89.12 ± 1.03	0.154 ± 0.009
1-1.5	56.11	0.606 ± 0.142	1992.0	49.16 ± 0.67	0.064 ± 0.011
1.5-2	52.52	0.907 ± 0.159	<b>1986.9</b>	28.04 ± 0.44	0.140 ± 0.007
2-2.5	52.39	1.226 ± 0.160	1984.1	36.43 ± 0.52	0.117 ± 0.008
2.5-3	55.07	1.533 ± 0.147	1981.3	32.06 ± 0.47	0.147 ± 0.007

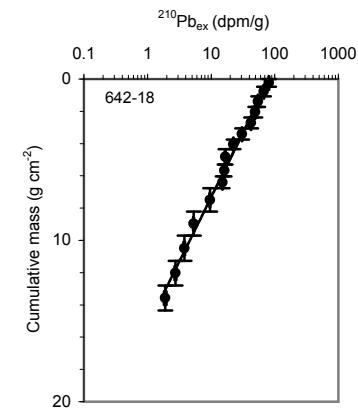


3-3.5	52.90	1.837 ± 0.157	1978.7	34.23 ± 0.51	0.088 ± 0.008
3.5-4	52.62	2.153 ± 0.159	1975.9	39.99 ± 0.59	0.154 ± 0.008
4-4.5	53.99	2.464 ± 0.152	1973.1	43.46 ± 0.51	0.222 ± 0.013
4.5-5	53.97	2.769 ± 0.152	1970.4	37.91 ± 0.47	0.249 ± 0.017
5-6	51.59	3.249 ± 0.328	<b>1966.2</b>	33.16 ± 0.65	0.258 ± 0.015
6-7	50.15	3.919 ± 0.342	1952.4	40.82 ± 0.64	0.218 ± 0.013
7-8	50.52	4.600 ± 0.339	1938.5	36.46 ± 0.58	0.205 ± 0.021
8-9	50.22	5.280 ± 0.342	1924.5	26.33 ± 0.46	0.186 ± 0.016
9-10	50.29	5.963 ± 0.341	1910.5	19.78 ± 0.38	0.071 ± 0.010
10-12	51.78	6.956 ± 0.652	1890.1	8.90 ± 0.22	0.015 ± 0.009
12-14	47.59	8.347 ± 0.739	1861.5	3.26 ± 0.12	
14-16	46.98	9.838 ± 0.752	1830.9	1.52 ± 0.11	
16-18	45.61	11.372 ± 0.782	1799.4		
18-20	48.46	12.875 ± 0.720	1768.5	0.30 ± 0.10	



**642-18 (24°40.09'N, 122°50.29'E; 1128 m; collected on April 28, 2002)**

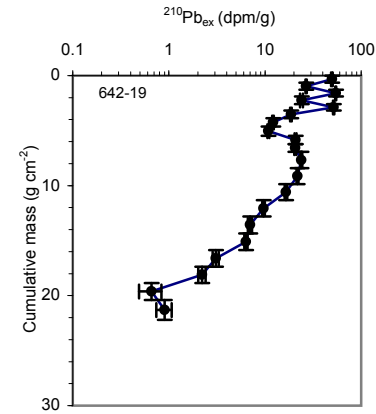
0-1	60.87	0.240 ± 0.240	2000.1	81.10 ± 0.67
1-2	56.82	0.773 ± 0.292	1995.1	67.23 ± 0.59
2-3	55.99	1.392 ± 0.326	1989.4	54.72 ± 0.60
3-4	52.67	2.052 ± 0.334	1983.3	48.91 ± 0.53
4-5	53.75	2.723 ± 0.337	1977.0	42.39 ± 0.46
5-6	51.49	3.408 ± 0.348	1970.6	30.44 ± 0.33
6-7	50.74	4.050 ± 0.294	1964.7	22.30 ± 0.29
7-8	50.67	4.821 ± 0.477	1957.5	16.66 ± 0.27
8-9	49.64	5.669 ± 0.371	1949.6	16.22 ± 0.22
9-10	50.66	6.404 ± 0.365	1942.8	15.14 ± 0.20
10-12	50.41	7.496 ± 0.727	1932.7	9.55 ± 0.15
12-14	50.02	8.966 ± 0.743	1919.0	5.29 ± 0.10
14-16	47.46	10.489 ± 0.780	1904.8	3.79 ± 0.10
16-18	46.70	12.03 ± 0.764	1890.5	2.76 ± 0.09



18-20 46.10 13.57 ± 0.772 1876.2 1.90 ± 0.08

**642-19 (24°50.03'N, 122°49.97'E; 1623 m; collected on April 28, 2002)**

0-1	53.03	0.313 ± 0.313	2000.1	49.66 ± 0.90	0.094 ± 0.015
1-2	50.98	0.961 ± 0.334	1995.4	26.72 ± 0.46	0.089 ± 0.008
2-3	53.96	1.599 ± 0.304	1990.9	54.36 ± 0.82	0.179 ± 0.016
3-4	50.79	2.240 ± 0.336	1986.3	23.98 ± 0.85	0.120 ± 0.012
4-5	53.96	2.880 ± 0.304	1981.7	51.68 ± 0.86	0.236 ± 0.016
5-6	49.62	3.532 ± 0.348	1977.0	18.62 ± 0.35	0.205 ± 0.018
6-7	47.00	4.256 ± 0.376	1971.9	12.11 ± 0.24	0.168 ± 0.012
7-8	43.66	5.046 ± 0.413	<b>1966.2</b>	10.83 ± 0.25	0.208 ± 0.017
8-9	46.74	5.838 ± 0.379	1959.6	20.82 ± 0.45	0.283 ± 0.013
9-10	48.82	6.573 ± 0.356	1953.5	20.63 ± 0.42	0.206 ± 0.013
10-12	47.27	7.675 ± 0.746	1944.3	23.84 ± 0.50	0.106 ± 0.008
12-14	48.61	9.138 ± 0.717	1932.2	21.76 ± 0.48	0.062 ± 0.008
14-16	47.59	10.59 ± 0.739	1920.0	16.49 ± 0.47	0.019 ± 0.012
16-18	47.46	12.07 ± 0.742	1907.7	9.66 ± 0.29	
18-20	46.73	13.57 ± 0.758	1895.2	6.97 ± 0.34	
20-22	46.52	15.09 ± 0.762	1882.6	6.32 ± 0.24	
22-24	46.69	16.61 ± 0.759	1869.9	3.07 ± 0.23	
24-26	47.70	18.11 ± 0.736	1857.5	2.22 ± 0.20	
26-28	46.19	19.62 ± 0.769	1845.0	0.66 ± 0.17	
28-30	40.18	21.29 ± 0.910	1831.0	0.91 ± 0.17	



**642-21 (24°55.09'N, 122°35.08'E; 1520 m; collected on April 28, 2002)**

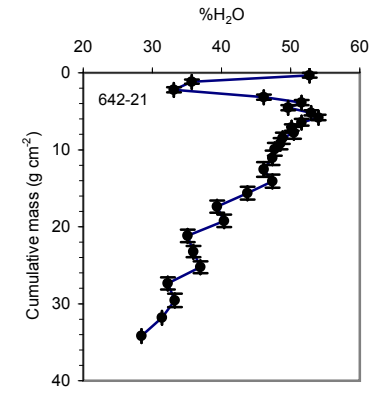
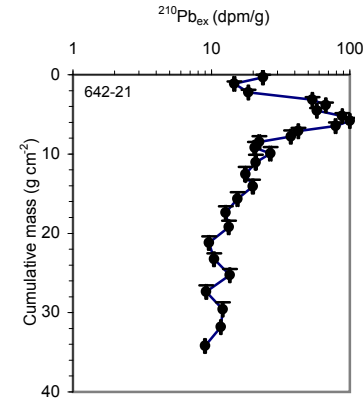
0-1	52.75	0.316 ± 0.316	2001.9	23.56 ± 0.37	0.024 ± 0.005
1-2	35.68	1.145 ± 0.513	2000.7	14.64 ± 0.23	0.094 ± 0.006
2-3	33.10	2.207 ± 0.548	1999.2	18.51 ± 0.22	0.079 ± 0.005
3-4	46.13	3.141 ± 0.385	1997.9	53.64 ± 0.50	0.130 ± 0.009
4-5	51.56	3.854 ± 0.328	1996.9	66.91 ± 0.71	0.134 ± 0.008



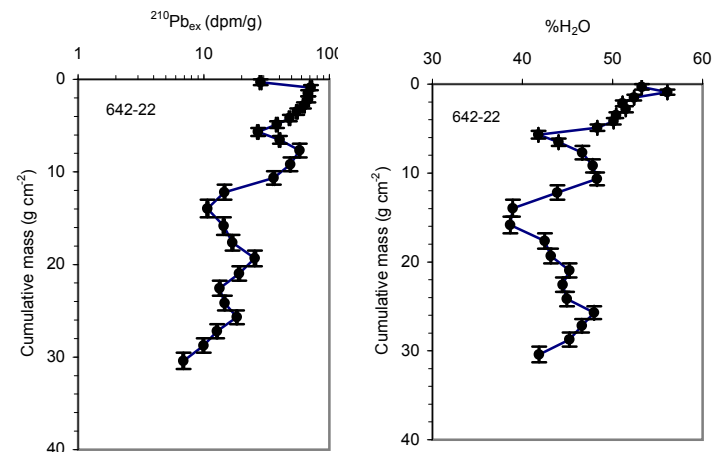
5-6	49.62	4.530 ± 0.348	1996.0	57.84 ± 0.57	0.154 ± 0.009
6-7	52.97	5.192 ± 0.314	1995.1	88.23 ± 0.91	0.139 ± 0.014
7-8	54.03	5.810 ± 0.304	1994.2	99.97 ± 0.93	0.162 ± 0.008
8-9	51.59	6.442 ± 0.328	1993.3	78.93 ± 0.86	0.195 ± 0.009
9-10	50.13	7.112 ± 0.343	1992.4	42.52 ± 0.44	0.186 ± 0.011
10-11	50.44	7.794 ± 0.339	1991.4	37.51 ± 0.49	0.177 ± 0.008
11-12	48.84	8.490 ± 0.356	1990.4	22.14 ± 0.38	0.153 ± 0.009
12-13	48.50	9.21 ± 0.360	1989.4	20.59 ± 0.41	0.155 ± 0.008
13-14	47.67	9.93 ± 0.369	1988.4	26.65 ± 0.50	0.151 ± 0.006
14-16	47.36	11.05 ± 0.744	1986.9	20.91 ± 0.33	0.147 ± 0.009
16-18	46.13	12.56 ± 0.771	1984.4	17.59 ± 0.32	0.148 ± 0.007
18-20	47.38	14.08 ± 0.743	1982.0	19.97 ± 0.31	0.154 ± 0.008
20-22	43.77	15.64 ± 0.824	1979.4	15.45 ± 0.22	0.116 ± 0.006
22-24	39.37	17.40 ± 0.930	1976.6	12.67 ± 0.16	0.101 ± 0.006
24-26	40.38	19.23 ± 0.905	1973.6	13.35 ± 0.16	0.092 ± 0.005
26-28	35.11	21.18 ± 1.041	1970.4	9.60 ± 0.13	0.078 ± 0.006
28-30	35.94	23.24 ± 1.019	1967.1	10.46 ± 0.14	0.077 ± 0.007
30-32	36.94	25.25 ± 0.992	1963.8	13.58 ± 0.15	0.070 ± 0.006
32-34	32.23	27.36 ± 1.122	1960.4	9.17 ± 0.11	0.059 ± 0.007
34-36	33.26	29.58 ± 1.092	1956.8	12.09 ± 0.15	0.065 ± 0.006
36-38	31.41	31.82 ± 1.145	1953.1	11.70 ± 0.14	0.060 ± 0.006
38-40	28.41	34.20 ± 1.236	1949.3	9.01 ± 0.12	0.046 ± 0.005

**642-22 (24°55.02'N, 122°25.11'E; 1445 m; collected on April 28, 2002)**

0-1	53.26	0.311 ± 0.311	2001.5	28.33 ± 0.49	0.055 ± 0.010
1-2	56.08	0.907 ± 0.284	1999.9	71.22 ± 1.47	0.107 ± 0.012
2-3	52.40	1.511 ± 0.320	1998.2	67.60 ± 1.07	0.123 ± 0.008
3-4	51.12	2.163 ± 0.333	1996.4	67.71 ± 0.93	0.134 ± 0.009
4-5	51.46	2.825 ± 0.329	1994.6	62.52 ± 1.03	0.139 ± 0.010
5-6	50.42	3.493 ± 0.340	1992.8	55.16 ± 0.90	0.107 ± 0.010



6-7	50.11	4.176 ± 0.343	1991.0	48.28 ± 0.70	0.144 ± 0.009
7-8	48.32	4.881 ± 0.362	1989.0	38.19 ± 0.61	0.137 ± 0.011
8-9	41.76	5.678 ± 0.436	<b>1986.9</b>	26.96 ± 0.36	0.129 ± 0.007
9-10	43.99	6.523 ± 0.410	1984.1	40.19 ± 0.52	0.171 ± 0.010
10-12	46.65	7.692 ± 0.759	1980.2	57.91 ± 0.77	0.107 ± 0.022
12-14	47.80	9.186 ± 0.734	1975.2	48.86 ± 0.60	0.157 ± 0.017
14-16	48.25	10.65 ± 0.725	1970.3	36.03 ± 0.65	0.183 ± 0.014
16-18	43.87	12.19 ± 0.822	1965.2	14.61 ± 0.21	0.128 ± 0.010
18-20	38.92	13.96 ± 0.941	<b>1959.3</b>	10.70 ± 0.20	0.123 ± 0.018
20-22	38.63	15.84 ± 0.949	1956.8	14.43 ± 0.29	0.121 ± 0.006
22-24	42.49	17.65 ± 0.854	1954.4	16.91 ± 0.28	0.145 ± 0.024
24-26	43.13	19.34 ± 0.839	1952.1	25.54 ± 0.56	0.062 ± 0.012
26-28	45.23	20.97 ± 0.791	1949.9	19.12 ± 0.32	0.033 ± 0.005
28-30	44.46	22.57 ± 0.808	1947.7	13.40 ± 0.17	
30-32	44.95	24.18 ± 0.797	1945.6	14.65 ± 0.17	
32-34	47.96	25.70 ± 0.731	1943.5	18.32 ± 0.20	
34-36	46.61	27.20 ± 0.760	1941.5	12.75 ± 0.16	
36-38	45.20	28.75 ± 0.792	1939.4	9.96 ± 0.13	
38-40	41.83	30.41 ± 0.870	1937.2	6.88 ± 0.11	



\* 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.