

TABLE A. SUPPLEMENTAL TERRACE DATA

Terrace	Name [*]	Inner Edge Elevation [†] (m)	Mean Density [§] (g cm ⁻³)	P ₀ [#] (Be ¹⁰) atoms g ⁻¹ yr ⁻¹
1	Highway 1	31	1.90	5.03
2	Western	87	1.85	5.22
3	Wilder	132	1.70	5.34
4	Blackrock	170	1.75	5.44
5	Quarry	230	1.60	5.57

^{*}Bradley and Griggs, 1976.[†]Bradley and Griggs, 1976; Anderson and Menking, 1994.[§]Averaged between dry parent material density (modern littoral sediments, 2.0 g cm⁻³) and mean dry density of modern profile.[#]Long-term, sea-level, high-latitude P₀ 5.55; P₀ for 37 latitude and mean elevation using Lal (1991, Earth and Planet. Sci. Lett., v. 104, p. 424-439).

TABLE B. DEPTH PROFILE COSMOGENIC RADIONUCLIDE DATA

Sample number	Start dept h (cm)	End dept (cm)	Mean depth (cm)	^{10}Be concentration ($10^5 \text{ atoms g}^{-1}$)	Numeric integral* ($10^7 \text{ }^{10}\text{Be atoms cm}^{-1}$)	Age† (ka)	Inheritan ce§ ($10^5 \text{ }^{10}\text{Be atoms g}^{-1}$)	Interpretation (bioturbated or undisturbed)
Terrace 1								
HWY00A-0	0	10	5	2.369 ± 0.058	0.119	0.0	2.369	bioturb
HWY00A-1	10	19	14.5	2.374 ± 0.056	0.344	- 0.8	2.408	bioturb
HWY00A-5	43	53	48	2.551 ± 0.079	1.169	- 11.8	2.886	bioturb
HWY00A-9	73	80	76.5	2.476 ± 0.064	1.885	- 94.9	2.496	bioturb
HWY00A-14	114	123	118.5	2.156 ± 0.063	2.858	17.4	1.942	bioturb
HWY00A-17	143	153	148	1.491 ± 0.039	3.396	53.5	1.027	bioturb(?)
HWY00A-20	178	188	183	1.402 ± 0.036	3.902	49.4	1.117	bioturb(?)
HWY00A-22	198	210	204	1.050 ± 0.029	4.160	68.4	0.745	undist
HWY00A-25	232	243	237.5	1.046 ± 0.031	4.511	61.9	0.861	undist
HWY00A-28	266	268	267	0.936 ± 0.029	4.803	65.9	0.797	undist
Terrace 2								
WE98B-0	0	9	4.5	4.729 ± 0.190	0.213	0.0	4.729	bioturb(?)
WE98B-1	9	30	19.5	4.912 ± 0.115	0.936	- 22.2	5.837	bioturb(?)
WE98B-3	42	52	47	3.912 ± 0.096	2.149	66.3	1.900	undist(?)
WE98B-6	70	78	74	3.268 ± 0.080	3.118	73.4	1.640	undist(?)
WE98B-8	89	101	95	2.416 ± 0.064	3.715	104.7	0.594	undist(?)
WE98B-11	119	128	123.5	1.613 ± 0.051	4.289	121.8	0.088	undist(?)
Terrace 3**								
WI00A-0B	0	8	4	5.835 ± 0.118	0.233	0.0	5.835	bioturb
WI00A-1	8	19	13.5	5.942 ± 0.114	0.793	- 19.8	6.858	bioturb
WI00A-4	40	51	45.5	5.813 ± 0.098	2.674	6.7	5.592	bioturb
WI00A-7	73	80	76.5	4.968 ± 0.058	4.345	55.3	3.659	bioturb
WI00A-11	109	120	114.5	2.692 ± 0.050	5.504	140.3	0.473	undist
WI00A-14	140	149	144.5	2.127 ± 0.040	6.227	138.2	0.537	undist
WI00A-17	169	180	174.5	1.770 ± 0.021	6.811	133.9	0.650	undist
Terrace 4								
WI98A-0	0	7	3.5	6.067 ± 0.210	0.212	0.0	6.067	bioturb
WI98A-1	7	20	13.5	6.840 ± 0.162	0.858	-133.6	13.118	bioturb
WI98A-2	20	30	25	6.599 ± 0.143	1.630	-124.4	7.114	bioturb
WI98A-3	30	37	33.5	6.603 ± 0.154	2.192	- 7.8	6.897	bioturb
WI98A-4	37	46	41.5	5.508 ± 0.528	2.676	102.5	1.968	bioturb
WI98A-5	46	52	49	4.350 ± 0.165	3.046	181.4	-1.426	bioturb(?)
WI98A-7	61	68	64.5	3.693 ± 0.194	3.669	164.1	-0.715	bioturb(?)
WI98A-9	74	84	79	3.181 ± 0.202	4.167	155.1	-0.376	undist(?)
WI98A-14	119	124	121.5	2.153 ± 0.169	5.301	140.8	0.125	undist
WI98A-19	156	165	160.5	1.742 ± 0.199	6.060	125.3	0.564	undist
WI98A-22	187	196	191.5	1.138 ± 0.187	6.507	140.6	0.197	undist
BK00A-22	318	324	321	0.755 ± 0.021	7.732	123.4	0.554	undist
BK00A-27	409	419	414	0.331 ± 0.017	8.237	146.8	0.245	undist

TABLE B. (continued)

Sample number	Star dept t h (cm)	End depth dept (cm)	Mean depth (cm)	^{10}Be concentration (10^5 atoms g $^{-1}$)	Numeric integral* (10^7 10Be atoms cm g $^{-1}$)	Age † (ka)	Inheritan ce ‡ $(10^5$ ^{10}Be atoms g $^{-1}$)	Interpretati on (bioturbated or undisturbed)
Terrace 5								
BL98-0	0	3	1.5	9.006 ± 0.216	0.135	0.0	9.006	bioturb
BL98-1	3	16	9.5	8.989 ± 0.216	0.855	4.0	8.788	bioturb
BL98-3	26	34	30	9.571 ± 0.281	2.757	- 55.4	11.858	bioturb
BL98-5	48	57	52.5	9.969 ± 0.239	4.956	- 51.0	11.650	bioturb
BL98-7	65	74	69.5	9.854 ± 0.302	6.641	- 24.3	10.529	bioturb
BL98-9	82	90	86	8.872 ± 0.161	8.185	46.9	7.767	bioturb
BL98-10	90	99	94.5	7.727 ± 0.186	8.891	116.9	5.196	bioturb
BL98-11	99	107	103	7.798 ± 0.142	9.551	99.0	5.829	bioturb
BL98-13	116	124	120	6.047 ± 0.112	10.738	184.7	2.947	undist(?)
BL98-15	133	140	136.5	4.722 ± 0.117	11.616	234.4	1.388	undist
BL98-19	175	184	179.5	3.460 ± 0.086	13.375	240.1	1.238	undist
BL98-22	208	223	215.5	2.685 ± 0.068	14.481	246.1	1.096	undist
BL98-25	240	251	245.5	2.620 ± 0.066	15.277	225.8	1.540	undist

Note: Samples used in calculating mean cosmogenic radionuclide (CRN) inventory age (equation 4) and inheritance (equation 5) in Table 1 are indicated by a dashed box for each terrace profile.

*Trapezoidal numeric integration.

† Using CRN inventory method (equation 4).

‡ Using CRN inventory method (equation 5).

** Due to sparse data at the disturbed-undisturbed boundary, numeric integration includes extrapolated exponential to 85 cm (^{10}Be concentration of 3.2×10^5 atoms g $^{-1}$).