

TABLE DR1. LITTORAL ¹⁰BE CONCENTRATIONS

Beach	Sample number	Location	Upcell (km)	Quartz sample (g)	Be spike (mg)	AMS ¹⁰ Be/Be' 10 ⁻¹³	[¹⁰ Be] (10 ⁴ atoms g ⁻¹)
Half Moon Bay	SC98HM-1	10S 0548904 UTM 4146845	122.3	22.89	0.2314	1.270 ± 0.03413	8.583 ± 0.231
San Gregorio Beach	SC98SG-1	10S 0552852 UTM 4130747	103.5	19.30	0.5419	0.2724 ± 0.04005	5.956 ± 0.876
Pomponio Beach	SC01-08PO	10S 0552633 UTM 4128182	100.2	25.54	0.2484	1.060 ± 0.05870	6.890 ± 0.382
Pescadero Beach	SC01-09PS	10S 0552156 UTM 4124683	97.5	28.53	0.2464	0.9780 ± 0.05560	5.643 ± 0.321
Bean Hollow Beach	SC01-10BH	10S 0552428 UTM 4119945	92.5	28.98	0.2310	1.510 ± 0.06320	8.042 ± 0.337
Año Nuevo (Cove Beach)	SC98AN-1	10S 0561606 UTM 4107990	72.3	19.79	0.5250	0.5154 ± 0.05074	9.134 ± 0.899
Waddell Beach	SC00-2-WD	10S 0564146 UTM 4105587	68.8	35.01	0.5192	0.8997 ± 0.03474	8.916 ± 0.344
Greyhound Rock	SC98GR-1	10S 0565223 UTM 4103827	66.4	19.30	0.5419	0.4536 ± 0.04154	8.511 ± 0.779
Scott Creek Beach	SC00-3-SC	10S 0568536 UTM 4099483	62.7	35.13	0.5271	0.8344 ± 0.02968	8.365 ± 0.298
Davenport Landing	SC00-4-DL	10S 0569682 UTM 4097861	57.2	35.04	0.4971	1.042 ± 0.03284	9.875 ± 0.311
Bonny Doon Beach	SC00-5-BD	10S 0569682 UTM 5095219	52.9	35.04	0.5060	0.9359 ± 0.03951	9.031 ± 0.381
Yellowbank Beach	SC00-6-YB	10S 0573826 UTM 4094383	51.2	35.09	0.4953	0.9297 ± 0.03164	8.768 ± 0.298
Wilder Beach	SC00-7-WI	10S 0581982 UTM 4090091	39.7	31.27	0.3963	1.320 ± 0.02999	11.177 ± 0.254
Natural Bridges	SC98NB-1	10S 0583886 UTM 4089746	37.6	18.40	0.5219	0.5392 ± 0.04925	10.220 ± 0.933
Seabright Beach	SC01-11SB	10S 0588081 UTM 4091235	32.1	24.17	0.2276	1.020 ± 0.06580	6.419 ± 0.414
Live Oaks	SC01-12LO	10S 0592153 UTM 4090911	27.4	33.29	0.3008	1.280 ± 0.04233	7.731 ± 0.256
Seacliff	SC01-13CL	10S 0596435 UTM 4092396	21.6	31.25	0.2770	1.082 ± 0.03449	6.410 ± 0.204
Manresa Beach	SC01-14MA	10S 0602031 UTM 4086509	13.8	24.90	0.2501	1.199 ± 0.02697	8.050 ± 0.181
Sunset Beach	SC98SS-1	10S 0604315 UTM 4082302	9.0	16.18	0.5136	0.3296 ± 0.04205	6.992 ± 0.892

*Ratio corrected for background counts, process blank, and spurious ¹⁰Boron counts.