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C. J. Brown & M. A. Thomas - Major and Trace Element Geochemistry and Background Concentrations for Soils in Connecticut

Appendix 2. Concentrations of selected elements in extractions for C-horizon soil samples collected from 79 sites in Connecticut.

Field identifier	Geologic Province	Rock Group A (GpA)	Rock Group B (GpB)	Unit code	Unit	Surficial Materials Grouped category	Al (%)	Ca (%)	Fe (%)	K (%)	Mg (%)	Na (%)	S (%)	Ti (%)	As	Ba	Be	Bi	Cd	Ce	Co	Cr	Cs	Cu	Ga	Hg	In	La	Li	Mn	Mo	Nb	Ni	P	Pb	Rb	Sb	Sc	Se	Sn	Sr	Th	Tl	U	V	W	Y	Zn
99-C	Eugeosynclinal Sequence	Metam. Rocks undiv.	Pelitic Rocks	OCr?	Rowe Schist	Till	6.8	0.53	2.73	1.85	0.54	1.1	0.03	0.37	2.5	586	2.9	0.42	0.2	89	33	39	17	16	21	0.02	0.07	42	40	1,230	1.0	15.7	18.6	500	43	109	0.21	13	0.9	3.1	121	13.5	0.7	3.2	71	2.2	15.5	65
62-C	Eugeosynclinal Sequence	Metam. Rocks undiv.	Sulfidic Schists	Otfc	Carringtons Pond Member of Trap Falls Fm.	Thick Till	6.4	0.91	3.03	1.67	0.65	1.23	0.03	0.37	3.1	406	2.5	0.17	0.1	100	9.3	39	6	12	15	0.06	0.06	46	28	552	0.98	15	15	600	25	76	0.19	12	0.5	2.6	148	11.3	0.5	2.8	75	1.2	19.2	53
97-C	Avalon	Metam..Rocks.undiv.	Metam. Rocks (other)	Zp, Zsph, and Pn	Plainfield Fm., Potter Hill Granite Gneiss and Narragansett Pier Granite Undiv.	Coarse	5.8	1	2.91	1.34	0.52	1.89	<0.01	0.14	2.0	274	1.8	0.38	0.1	40	8.8	22	<5	24	11	0.03	0.03	19	18	955	0.46	3.5	11.3	280	25	53	<0.05	12	0.3	0.9	106	7.1	0.3	3.2	70	0.7	14.6	43
244-C	Eugeosynclinal Sequence	Metam. Rocks undiv.	Pelitic Rocks	DSw	Wepawaug Schist	Till	6.8	0.17	4.43	2.01	1.52	0.91	<0.01	0.44	1.9	475	2.3	0.27	<0.1	81	21	99	5	36	20	0.04	0.07	38	50	1,110	0.55	13.7	54.2	650	28	107	0.11	18	<0.2	3.3	87.4	11.1	0.7	2.6	113	1.4	16.4	97
11-C	Eugeosynclinal Sequence	Mafic Rocks	Mafic Rocks	Omau	Upper part of Maltby Lakes Metavolcanics	Till	6.0	0.83	2.8	1.3	0.67	1.5	0.02	0.3	3.5	288	1.7	0.19	<0.1	85	13	45	<5	26	13	0.03	0.05	36	22	644	0.69	9.1	16	280	20	63	0.17	14	<0.2	1.7	106	21.2	0.3	3.8	78	0.7	16.9	42
89-C	Grenville Shelf Sequence	Carbonate Rocks	Carbonate Rocks	OCs	Stockbridge Marble	Till	7.6	1.25	4.06	1.96	1.77	1.09	<0.01	0.4	0.9	488	2.9	0.07	0.1	106	16	55	<5	23	21	0.03	0.09	50	47	691	0.63	18.2	24.8	400	20	97	0.06	16	<0.2	2.3	144	11	0.6	2.5	83	0.7	23.2	84
19-C	Avalon	Metam..Rocks.undiv.	Metam. Rocks (other)	Zw	Waterford Group	Till	5.3	0.9	2.1	1.3	0.47	1.5	0.02	0.23	2.8	338	1.8	0.15	<0.1	81	6.8	26	<5	10	12	0.04	0.04	37	15	430	0.64	9.5	11	540	19	52	0.14	11	0.3	1.6	122	11	0.2	3	51	0.8	16.7	33
55-C	Eugeosynclinal Sequence	Granite	Granite (other)	Og	Ordovician? granitic gneiss	Till	6.7	1.13	2.84	2.42	0.83	1.56	0.02	0.31	2.6	478	3.1	0.1	0.1	86	12	35	<5	19	18	0.02	0.06	39	45	659	1.1	18	16	880	24	114	0.09	12	<0.2	2.7	176	10.1	0.8	3.3	64	0.8	20.6	61
78-C	Bronson Hill Sequence	Granite	Granite (other)	Omo	Monson Gneiss	Till	6.3	0.96	2.78	1.43	0.42	1.59	<0.01	0.27	4.5	404	2.4	0.21	<0.1	79	6.4	36	<5	6.5	15	0.01	0.05	39	22	315	1.6	12	8.8	190	22	70	0.38	12	<0.2	2	144	10.5	0.4	3.4	73	1	20.3	33
44-C	Eugeosynclinal Sequence	Metam. Rocks undiv.	Pelitic Rocks	OCr	Rowe Schist	Till	6.9	0.97	3.6	1.9	1.2	1.3	0.02	0.4	7.4	527	2.5	0.13	0.3	94	15	42	<5	12	19	0.04	0.07	40	35	615	1.2	17	19	500	36	96	0.2	15	<0.2	2.7	178	9.9	0.5	3	83	0.8	22.6	90
79-C	Eugeosynclinal Sequence	Metam. Rocks undiv.	Pelitic Rocks	DSt	The Straits Schist	Till	7.3	0.68	3.64	2.01	0.74	1.04	<0.01	0.31	3.4	407	3	0.27	<0.1	79	14	51	5	17	18	0.03	0.07	32	50	810	0.74	11.7	23	350	26	107	0.09	17	0.2	2.9	107	11.4	0.6	3.4	88	1.2	18.4	66
32-C	Mesozoic Basin	Basin Sedim.	Mesozoic Basin Sedim.	Jp	Portland Arkose	Till	5.5	0.33	2.6	1.7	0.36	1.6	0.01	0.23	3.3	431	1.2	0.12	<0.1	70	12	24	<5	28	12	0.02	0.04	33	26	686	0.7	6.1	12	280	23	64	0.19	10	0.5	1.3	98.7	10.6	0.4	1.9	85	0.6	15.2	52
75-C	Eugeosynclinal Sequence	Mafic Rocks	Mafic Rocks	Ohb	Beardsley Member of Harrison Gneiss	Till	5.7	1.33	1.17	1.75	0.24	2.04	<0.01	0.15	3.2	325	3.7	0.39	0.1	28	5.1	6	<5	9.9	12	<0.01	0.03	10	14	480	0.26	7.2	4.4	340	32	81	<0.05	5.7	<0.2	1.5	162	4.7	0.5	1.7	22	0.3	15.5	26
81-C	Eugeosynclinal Sequence	Mafic Rocks	Mafic Rocks	Ob	Brookfield Gneiss	Till	6.4	1.06	3.36	1.5	0.67	1.49	0.01	0.39	2.1	444	2.6	0.15	<0.1	87	14	40	<5	12	16	0.02	0.05	40	20	566	2.3	15.2	13.2	260	20	58	0.15	14	0.2	2.1	199	10.3	0.3	6.1	73	0.8	17	44
12212-C	Avalon	Metam. Rocks undiv.	Metam. Rocks (other)	Zp	Plainfield Fm.	Fine	5.6	0.8	2.41	1.57	0.52	1.16	0.02	0.32	3.7	417	1.7	0.21	<0.1	68	7.3	38	<5	6.6	15	0.05	0.05	26	20	436	0.67	10.8	12.8	270	21	66	0.21	10	0.4	1.9	129	9.3	0.5	2.1	63	0.7	15	41
51-C	Avalon	Metam. Rocks undiv.	Metam. Rocks (other)	Zp	Plainfield Fm.	Till	4.1	0.18	1.1	1.7	0.38	0.29	<0.01	0.12	<0.6	355	0.7	0	<0.1	44	7.4	13	<5	2.1	10	0.02	0.04	21	16	222	0.35	8.1	10	120	13	81	<0.05	6	<0.2	2.1	49.1	8	0.3	0.9	21	0.5	7	47
1524-C	Grenville Belt	Granite	Grenville Granite	Ygr	Pink Granitic Gneiss	Till	6.6	1.57	3.91	1.66	1.02	1.62	0.01	0.49	1.5	560	1.8	0.08	<0.1	98	17	53	<5	20	19	0.01	0.06	48	21	907	0.88	11.7	20.7	700	14	65	0.1	16	<0.2	1.3	268	8.2	0.5	1.4	87	0.5	28.2	64
67-C	Mesozoic Basin	Basin Sedim.	Mesozoic Basin Sedim.	TRnh	New Haven Arkose	Till	5.2	0.26	2.01	1.4	0.41	1.88	<0.01	0.2	2.2	347	1.8	0.29	<0.1	61	9.5	26	<5	18	13	0.02	0.04	27	18	333	0.41	6.8	11	190	20	76	0.17	9.1	<0.2	1.3	70.9	13	0.4	2.1	62	0.6	13.5	34
21-C	Mesozoic Basin	Mafic Rocks	Basalt	Jta	Talcott Basalt	Till	6.6	0.43	5.0	0.7	0.37	1.6	0.02	0.37	2.9	298	1.9	0.36	0.3	63	23	82	6	93	16	0.08	0.07	30	25	1,790	0.65	7.8	30	780	20	51	0.23	18	0.5	1.4	103	7.7	0.3	3.4	157	1.1	26.7	130
53-C	Mesozoic Basin	Basin Sedim.	Mesozoic Basin Sedim.	TRnh	New Haven Arkose	Till	5.4	0.17	2.03	2.3	0.3	1.31	<0.01	0.13	2.7	359	1.8	0.23	<0.1	108	8.1	19	<5	8.7	13	0.02	0.05	52	13	431	0.39	6	8.6	210	23	105	0.1	9.9	<0.2	1.8	72	20.8	0.5	2.1	45	0.5	13.3	38
41-C	NH - ME Sequence	Granite	Granite (other)	Dc	Canterbury Gneiss	Coarse	5.5	1.1	3.6	1.2	0.57	1.2	0.05	0.21	3.5	301	1.9	0.19	0.1	58	7.6	32	<5	16	12	0.03	0.04	29	18	1,620	1.2	6.8	9.9	550	22	53	<0.05	18	0.4	1.5	122	7.7	0.3	2.6	54	6.2	31	38
38-C	Eugeosynclinal Sequence	Metam. Rocks undiv.	Pelitic Rocks	DSt	The Straits Schist	Till	7.2	0.64	3.5	1.8	0.7	1.2	0.03	0.29	1.8	458	3	0.39	<0.1	69	13	48	5	19	16	0.03	0.05	29	64	589	0.57	8.8	26	480	25	94	0.06	14	0.3	2.3	109	11.1	0.3	2.8	86	1	18	64
50-C	Avalon	Granite	Avalon Granite	Zsh	Hope Valley Alaskite Gneiss	Till	6.0	0.89	3.0	1.5	0.71	1.19	0.01	0.29	2.2	438	3.8	0.45	<0.1	99	12	30	6	45	17	0.03	0.06	35	30	570	3.9	17	18	230	26	104	0.16	11	0.5	3.3	113	11.8	0.6	13.5	71	1.1	26.7	76
60-C	Bronson Hill Sequence	Granite	Granite (other)	Omo	Monson Gneiss	Thick Till	5.8	1.14	2.54	0.82	0.56	1.84	<0.01	0.19	1.6	228	3.4	0.55	<0.1	32	8.9	23	<5	17	13	0.03	0.04	14	28	950	0.36	14	12	170	18	52	0.1	12	<0.2	1.5	90	5	0.3	1.7	62	1	15	39
10601-C	Avalon	Metam. Rocks undiv.	Metam. Rocks (other)	Zp	Plainfield Fm.	Thick Till	6.6	2.03	4.23	1.23	1.06	1.39	0.04	0.67	2.6	353	1.4	0.2	0.1	53	13	51	<5	10	17	0.04	0.07	28	13	812	0.66	11	16.5	630	16	50	0.25	18	0.5	1.7	196	6.5	0.4	1.6	135	0.8	26.1	46
52-C	Avalon	Granite	Avalon Granite	Zspp	Porphyritic phase of Potter Hill Granite Gneiss	Till	6.5	0.95	2.82	2	0.48	1.5	<0.01	0.34	3.2	410	2.5	0.22	<0.1	89	10	25	<5	8.3	17	0.03	0.07	35	20	478	1.1	19.2	9.8	410	23	98	0.31	14	0.5	2.8	151	12.9	0.5	4.1	65	1.1	16.1	40
70-C	NH - ME Sequence	Metam. Rocks undiv.	Calcgranofels	SOh	Hebron Gneiss	Till	6.5	1.36	3.69	1.38	1.42	1.1	0.03	0.38	6.5	504	3.2	1.15	<0.1	83	16	97	9	44	20	0.07	0.07	43	43	458	4.5	15	49	360	23	96	0.13	15	0.5	4.1	152	11.5	0.6	3	98	1.6	25.1	64
92-C	Avalon	Granite	Avalon Granite	Zspp	Porphyritic phase of Potter Hill Granite Gneiss	Till	6.1	1.16	2.47	1.86	0.49	1.38	0.01	0.29	1.7	382	3.4	0.51	<0.1	89	8.2	26	8	11	18	0.02	0.07	44	29	427	0.7	15.8	9.2	190	21	120	0.22	13	0.3	2.8	141	14.5	0.8	12.2	70	0.9	29.2	34
86-C	NH - ME Sequence	Metam. Rocks undiv.	Calcgranofels	SOh	Hebron Gneiss	Till	7.2	2.38	3.47	1.14	1.4	1.49	0.02	0.38	15	292	3	0.49	<0.1	77	15	90	7	14	18	0.03	0.06	22	47	575	2.1	13.9	32.5	580	25	71	0.17	15	0.3	2.5	222	7.2	0.4	4.8	90	1.8	23.1	69
8692-C	Eugeosynclinal Sequence	Metam. Rocks undiv.	Pelitic Rocks	Or	Ratlum Mountain Schist	Till	7.6	0.64	4.29	2.41	1.06	1.08	0.02	0.36	2.1	553	3.2	0.4	<0.1	115	18	55	13	45	23	0.04	0.09	47	72	976	1.3	11.5	25.5	310	23	107	0.17	18	0.3	3.2	108	13.1	0.9	3.4	105	1.3	19.7	76
39-C	NH - ME Sequence	Metam. Rocks undiv.	Calcgranofels	SOh	Hebron Gneiss	Coarse	3.9	0.42	2.3	1.0	0.25	1.4	<0.01	0.16	1.7	238	1	0.12	<0.1	43	4.5	17	<5	8.4	7	0.02	<0.02	19	10	651	0.51	4.1	6.4	200	15	32	0.07	8.3	0.3	0.7	75.3	6.5	0.2	2.4	43	0.8	16.5	22
66-C	NH - ME Sequence	Metam. Rocks undiv.	Calcgranofels	SOh	Hebron Gneiss	Till	6.8	2.22	2.83	1.2	1.04	1.44	0.01	0.39	4.6	363	2.1	0.2	<0.1	86	13	54	<5	21	14	0.02	0.04	40	17	598	0.68	10	27	910	19	51	0.15	14	<0.2	1.6	287	11.4	0.3	3.3	95	1.2	22.6	43
57-C	Avalon	Granite	Avalon Granite	Zss	"Scituate" Granite Gneiss	Till	5.2	0.68	1.13	2.76	0.18	1.74	<0.01	0.13	0.6	230	2.8	0.05	<0.1	36	3.6	7	<5	2.9	15	0.02	0.04	14	8	208	0.26	17	3.2	260	22	165	0.08	4.9	<0.2	1.6	83.4	8.7	0.6	5.5	20	0.3	18.3	21
29-C	Grenville Shelf Sequence	Carbonate Rocks	Carbonate Rocks	Owm	Basal marble member of Walloomsac Schist	Till	6.8	1.2	4.7	2.5	1.3	0.9	0.01	0.39	2.9	601	2.3	0.31	0.2	86	16	43	<5	29	17	0.02	0.08	41	38	1,180	1.1	14	23	640	26	102	0.12	14	<0.2	2.3	161	10.7	0.6	2.4	97	0.6	26.3	63
72-C	Mesozoic Basin	Basin Sedim.	Mesozoic Basin Sedim.	Jsm	Shuttle Meadow Fm.	Till	6.5	0.48	3.63	1.66	0.6	1.64	<0.01	0.31	5.4	431	2.3	0.25	<0.1	98	17	44	6	10	17	0.03	0.07	42	36	1,300	0.95	11	17	380	27	92	0.39	15	0.5	2.2	98.6	12.5	0.4	3	110	1.2	16.9	50
17-C	Eugeosynclinal Sequence	Metam. Rocks undiv.	Pelitic Rocks	Or	Ratlum Mountain Schist	Till	5.7	0.83	3.7	1.4	0.6	1.2	0.02	0.36	7.9	370	2	0.1	<0.1	88	10	33	<5	23	14	0.06	0.05	41	22	673	1.4	9.7	14	300	20	55	0.11	12	0.3	1.6	154	7.8	0.4	2.5	66	0.7	19.2	47
68-C	Bronson Hill Sequence	Granite	Granite (other)	Ogl	Glastonbury Gneiss	Till	4.0	0.79	0.63	1.8	0.11	1.25	<0.01	0.06	<0.6	805	1.5	<0.04	<0.1	19	1.8	5	<5	3.2	6	0.02	<0.02	12	6	259	1	4.3	1.8	70	15	50	<0.05	4.6	<0.2	0.6	133	3.2	0.3	3.5	17	0.6	8.9	9
90-C	Mesozoic Basin	Basin Sedim.	Mesozoic Basin Sedim.	TRnh	New Haven Arkose	Coarse	4.2	0.55	1.75	1.11	0.29	1.38	0.01	0.12	1.0	231	1.4	0.09	<0.1	32	5.3	17	<5	8.8	9	0.02	0.02	15	11	567	0.34	3.3	6.5	280	19	47	0.07	7.1	<0.2	0.8	93.2	4.4	0.2	1.2	35	0.3	10.7	27
30-C	Bronson Hill Sequence	Granite	Granite (other)	Omo	Monson Gneiss	Till	6.7	1.1	2.6	2.0	0.61	1.4	0.01	0.29	2.4	747	3.4	0.43	<0.1	77	8.8	39	10	17	16	0.03	0.05	37	45	387	1.7	12	12	320	24	107	0.08	13	<0.2	2.7	153	14.9	0.7	4.2	85	1.5	19	29
3433-C	Avalon	Granite	Granite (other)	Zss	"Scituate" Granite Gneiss	Coarse	4.3	0.62	1.31	2.01	0.17	1.18	<0.01	0.11	1.3	340	1.7	0.11	<0.1	38	3.2	11	<5	3.1	10	0.02	0.02	14	8	233	0.34	8.2	3.7	250	15	89	0.14	4.4	<0.2	1.3	87.4	6.1	0.5	1.3	25	1.6	14.8	21
85-C	Eugeosynclinal Sequence	Metam. Rocks undiv.	Pelitic Rocks	Or	Ratlum Mountain Schist	Coarse	6.8	1.21	3.37	1.81	0.67	1.44	0.02	0.38	1.6	486	2.4	0.11	0.2	72	12	45	<5	19	17	0.04	0.06	30	28	668	1.1	12.7	17.3	1180	26	72	0.14	13	0.6	2.2	174	7.7	0.4	2	74	0.7	14.6	68
46-C	Avalon	Mafic Rocks	Mafic Rocks	Oqb	Black Hill Member of Quinebaug Fm.	Coarse	4.8	1.3	1.6	1.6	0.43	1.4	<0.01	0.2	2.2	312	1.8	0.05	<0.1	44	6.7	24	<5	7.2	10	0.01	0.03	19	8	340	0.39	6.4	11	670	19	65	0.1	8.2	<0.2	1.3	167	5.4	0.3	1.4	39	0.6	15.5	24
48-C	Grenville Belt	Metam. Rocks undiv.	Metam. Rocks (other)	Cd	Dalton Fm.	Till	6.6	0.56	3.3	3.5	0.63	0.66	0.01	0.41	1.6	683	2.9	0.23	<0.1	71	12	38	<5	15	20	0.04	0.08	34	27	477	0.66	17	18	710	18	113	0.1	13	0.2	2.8	118	9.3	0.5	1.9	74	1.1	22.8	51
61-C	Eugeosynclinal Sequence	Metam. Rocks undiv.	Pelitic Rocks	Or	Ratlum Mountain Schist	Till	8.2	0.62	4.36	2.54	1.27	1.1	0.01	0.41	2.5	711	5	0.22	0.1	172	21	65	19	40	23	0.04	0.09	98	160	684	2.7	13	48	400	28	119	0.15	18	0.4	2.8	140	12	0.6	6.1	107	4.2	28.2	106
2409-C	Mesozoic Basin	Basin Sedim.	Mesozoic Basin Sedim.	Jp	Portland Arkose	Coarse	3.7	0.47	1.54	0.81	0.23	1.62	<0.01	0.12	1.3	230	1.1	0.14	<0.1	51	3.1	10	<5	5	7	<0.01	<0.02	23	8	765	0.26	2.9	4.8	400	12	31	0.07	7.3	<0.2	0.6	77.1	10.5	0.2	1.8	29	0.4	17.7	16
22-C	Eugeosynclinal Sequence	Mafic Rocks	Mafic Rocks	Ob	Brookfield Gneiss	Fine	8.1	0.98	4.4	2.8	1.2	1.3	0.01	0.39	2.4	661	3	0.23	0.1	119	18	57	6	27	23	0.02	0.1	58	55	821	3.1	16	26	520	24	124	0.13	19	<0.2	3.4	163	12.3	0.7	6	96	1	23.7	87
98-C	Eugeosynclinal Sequence	Granite	Granite (other)	Dng	Nonewaug Granite	Thick Till	6.2	1.01	2.85	2.18	0.59	1.48	<0.01	0.27	2.8	486	3.3	0.25	0.1	105	11	32	<5	20	18	0.02	0.06	47	29	696	1.0	10.8	17.9	470	23	91	0.07	14	<0.2	3.2	150	11.4	0.5	4.3	66	1	19.2	49
36-C	NH - ME Sequence	Metam. Rocks undiv.	Calcgranofels	Ota	Tatnic Hill Fm.	Till	6.6	0.97	2.6	2.1	0.64	1.3	<0.01	0.39	2.1	552	2	0.14	<0.1	135	9.1	48	<5	12	17	0.02	0.06	65	20	473	1.9	15	16	220	29	97	0.16	15	<0.2	2.1	186	18.6	0.5	4.3	68	1	24.5	44
76-C	Grenville Belt	Metam. Rocks undiv.	Sulfidic Schists	Ygs	Rusty Mica Schist and Gneiss	Till	7.0	1.51	3.81	1.51	0.87	1.69	0.02	0.37	1.5	398	2	0.05	<0.1	164	22	41	<5	56	20	0.05	0.05	76	19	729	1.5	12	23	690	12	94	0.15	14	0.4	1.7	213	18.2	0.6	2.1	88	0.4	32.6	67
82-C	NH - ME Sequence	Metam. Rocks undiv.	Calcgranofels	SOh	Hebron Gneiss	Coarse	5.2	0.93	3.48	1.03	0.51	1.57	<0.01	0.3	4.4	337	2	0.41	<0.1	71	10	29	<5	23	12	0.04	0.05	31	16	761	1.0	6.8	12.8	220	21	49	0.18	14	<0.2	1.4	111	11.1	0.3	3.4	72	1.3	29.8	30
14-C	Eugeosynclinal Sequence	Metam. Rocks undiv.	Pelitic Rocks	Otw	Wildcat Member of Taine Mountain Fm.	Coarse	6.9	1.2	2.7	2.1	0.66	1.7	0.01	0.32	1.2	468	2.5	0.19	<0.1	115	9	33	<5	22	16	0.03	0.06	51	27	571	0.42	11	16	440	22	75	0.1	13	0.2	2	160	12.8	0.4	3.5	66	0.8	22.9	47
40-C	Avalon	Metam. Rocks undiv.	Metam. Rocks (other)	Ota	Tatnic Hill Fm.	Till	5.5	1.1	1.0	2.2	0.27	1.6	<0.01	0.14	3.9	399	2.4	0.14	<0.1	37	3.9	17	<5	5.2	11	0.02	0.02	17	8	283	0.2	7.9	6.8	370	27	80	0.06	6.5	<0.2	1.4	155	5.9	0.3	1.5	20	0.5	14.1	17
83-C	Avalon	Granite	Avalon Granite	Zsp	Ponaganset Gneiss	Thick Till	5.7	0.68	2.33	1.79	0.29	1.1	0.03	0.28	2.6	349	2.2	0.31	0.1	67	5.8	26	6	6.9	15	0.07	0.05	31	22	386	1.2	14.6	6.9	680	23	94	0.19	9.3	0.6	2.7	106	10.5	0.5	2.7	53	1	20.9	44
63-C	Mesozoic Basin	Basin Sedim.	Mesozoic Basin Sedim.	Jeb	East Berlin Fm.	Coarse	6.1	0.33	3.42	1.82	0.87	1.61	<0.01	0.26	5.3	332	2.4	0.46	0.1	73	16	40	5	35	17	0.03	0.06	30	51	555	1.1	12	31	350	24	104	0.48	15	<0.2	2.5	77.9	11.7	0.6	3.2	91	1.6	15.7	64
58-C	Grenville Belt	Metam. Rocks undiv.	Metam. Rocks (other)	Ygh	Hornblende gneiss and amphibolite	Till	7.4	2.42	4.29	1.43	1.62	1.85	0.01	0.41	2.9	387	2.1	0.2	0.1	93	21	53	<5	19	19	0.03	0.07	47	20	841	0.77	12	23	890	14	57	0.13	15	<0.2	2	298	7.8	0.5	1.5	96	0.6	25.4	84
88-C	Eugeosynclinal Sequence	Mafic Rocks	Mafic Rocks	Cma	Amphibolite-bearing unit of Manhattan Schist	Till	6.6	2.25	4.98	1.24	1.35	1.41	0.03	0.61	2.0	334	2	0.17	0.1	72	20	50	<5	41	18	0.07	0.08	32	32	808	0.88	16.5	25.8	1150	16	49	0.22	20	0.8	2.1	196	6	0.3	2.1	130	0.5	24.1	76
12-C	Eugeosynclinal Sequence	Mafic Rocks	Mafic Rocks	Cm	Manhattan Schist	Coarse	7.1	1.3	3.3	1.8	0.72	1.73	0.03	0.34	2.2	503	2	0.08	0.3