

FACE Composite Soils (Enon series)

Kevin Harrison collection of soils from each tower excavation: 1996 prior to CO2 treatments.

Dan Richter's lab composited and analyzed samples.

Ref. #	Ring	Depth cm	Avg. depth cm	pHw (2:1) )1M CaCl2	pHs	Bicarb. Extr. P (ug/g)	NH4OAc Exch. Ca cmol(+)/kg	NH4OAc Exch. Mg cmol(+)/kg	NH4OAc Exch. K cmol(+)/kg	NH4OAc Exch. Na cmol(+)/kg	KCl Exch. Ac. cmol(+)/kg	ECEC	BS (%)	% clay (<2 um)	% silt (2-50 um)	% sand (>50 um)	Total C (%)	Total N (%)
1.1	1	0-7.5	3.75	5.44	4.87	3.90	2.371	0.639	0.090	0.028	0.118	3.246	96.4	3.89	39.16	56.95	1.903	0.0953
2.1	2	0-7.5	3.75	5.57	5.12	3.76	4.195	0.906	0.138	0.023	0.094	5.355	98.2	2.98	36.42	60.60	2.655	0.1300
3.1	3	0-7.5	3.75	6.63	6.32	5.27	10.107	0.850	0.110	0.020	0.008	11.094	99.9	3.32	45.34	51.34	2.784	0.1593
4.1	4	0-7.5	3.75	5.53	4.97	4.86	3.626	0.927	0.089	0.042	0.101	4.785	97.9	2.70	37.74	59.55	2.633	0.1360
5.1	5	0-7.5	3.75	5.85	5.36	4.44	5.283	0.851	0.126	0.020	0.053	6.334	99.2	2.75	41.29	55.96	2.927	0.1584
6.1	6	0-7.5	3.75	5.27	4.78	4.44	3.445	0.644	0.089	0.033	0.159	4.370	96.4	3.15	43.79	53.06	2.855	0.1399
1.2	1	7.5-15	11.25	5.64	4.85	1.15	1.270	0.396	0.033	0.018	0.095	1.811	94.8	5.92	39.78	54.30	0.663	0.0442
2.2	2	7.5-15	11.25	5.77	5.08	1.29	1.938	0.535	0.054	0.018	0.080	2.626	96.9	4.75	33.19	62.06	0.769	0.0508
3.2	3	7.5-15	11.25	6.17	5.43	1.43	2.464	0.447	0.044	0.016	0.043	3.014	98.6	3.16	37.71	59.13	1.255	0.0753
4.2	4	7.5-15	11.25	5.6	4.74	1.56	1.650	0.522	0.037	0.026	0.103	2.338	95.6	4.12	34.62	61.26	1.040	0.0647
5.2	5	7.5-15	11.25	5.28	5.33	1.70	1.901	0.347	0.047	0.015	0.051	2.362	97.9	3.38	36.66	59.96	1.019	0.0666
6.2	6	7.5-15	11.25	5.76	4.87	1.29	1.508	0.336	0.042	0.026	0.138	2.050	93.3	4.51	42.26	53.22	0.967	0.0543
1.3	1	15-35	25	5.92	5.01	0.33	2.657	0.962	0.039	0.031	0.060	3.748	98.4	13.99	35.74	50.26	0.428	0.0324
2.3	2	15-35	25	5.74	5.04	0.47	2.958	1.154	0.073	0.032	0.082	4.299	98.1	15.02	37.69	47.29	0.408	0.0317
3.3	3	15-35	25	5.76	5.03	0.19	1.532	0.800	0.032	0.023	0.160	2.546	93.7	12.23	32.76	55.01	0.427	0.0283
4.3	4	15-35	25	5.61	4.67	0.47	1.783	0.897	0.025	0.044	0.166	2.915	94.3	11.07	31.46	57.47	0.496	0.0330
5.3	5	15-35	25	5.55	5.02	0.60	1.304	0.377	0.034	0.016	0.068	1.800	96.2	7.10	30.54	62.37	0.471	0.0310
6.3	6	15-35	25	5.49	4.5	0.33	1.331	0.500	0.033	0.031	0.311	2.206	85.9	9.14	39.80	51.06	0.411	0.0259
1.4	1	35-60	47.5	5.91	5.08	0.05	7.559	3.370	0.115	0.085	0.069	11.199	99.4	34.20	32.06	33.74	0.296	0.0241
2.4	2	35-60	47.5	5.66	4.98	0.05	8.529	3.803	0.183	0.087	0.114	12.715	99.1	31.53	34.19	34.28	0.327	0.0247
3.4	3	35-60	47.5	5.51	4.67	-0.08	3.299	2.621	0.041	0.090	0.206	6.257	96.7	29.84	28.63	41.53	0.330	0.0228
4.4	4	35-60	47.5	5.63	4.7	0.05	6.622	5.316	0.076	0.248	0.299	12.561	97.6	36.51	29.38	34.11	0.317	0.0252
5.4	5	35-60	47.5	5.39	4.62	-0.08	3.698	1.678	0.059	0.042	0.186	5.662	96.7	27.18	29.10	43.72	0.288	0.0209
6.4	6	35-60	47.5	4.98	4.11	0.05	3.846	2.234	0.061	0.113	1.603	7.857	79.6	24.76	40.98	34.26	0.276	0.0234
1.5	1	60-90	75	5.87	5.05	-0.08	13.608	6.532	0.170	0.151	0.180	20.640	99.1	32.33	37.86	29.82	0.205	0.0167
2.5	2	60-90	75	5.63	5.07	-0.22	15.275	7.185	0.263	0.158	0.280	23.161	98.8	30.20	45.56	24.24	0.195	0.0168
3.5	3	60-90	75	5.91	5.29	-0.22	7.695	6.040	0.096	0.264	0.004	14.098	100.0	48.66	26.07	25.27	0.210	0.0178
4.5	4	60-90	75	6.13	5.12	0.05	12.357	11.036	0.183	0.649	0.276	24.501	98.9	37.46	33.61	28.94	0.172	0.0141
5.5	5	60-90	75	5.31	4.56	-0.22	9.699	5.357	0.121	0.117	0.336	15.629	97.9	48.92	32.86	18.22	0.166	0.0156
6.5	6	60-90	75	5.03	4.07	-0.22	7.453	4.726	0.111	0.297	2.590	15.178	82.9	22.18	45.74	32.07	0.187	0.0173