

Supplemental Material to Accompany "Geochemistry, Geophysics, and Ritual at the Moorehead Circle," by Kevin C. Nolan, Josh Donaldson, and Robert Riordan: Tables S-1 through S-9

Table S-1. Measurements for Samples.

Sample	PZ PO ₄	Lower PO ₄	PZ LF	Lower LF	PZ HF	Lower HF	PZ FD%	Lower FD%
CF	6.85	6.68	102.87	93.39	92.40	83.78	10.23	10.30
CF3/4	11.08	6.19	***	***	***	***	9.43	11.33
T0-1	1.47	2.45	9.91	14.43	9.62	13.78	2.93	4.48
T0-10	6.03	1.63	14.42	14.76	13.75	13.74	4.65	6.89
T0-11	1.30	3.10	11.65	13.10	11.12	12.45	4.55	4.99
T0-2	3.42	3.91	10.42	14.34	10.03	13.49	3.74	5.93
T0-3	1.47	6.68	14.64	17.15	14.07	16.33	3.92	4.78
T0-4	2.45	1.96	19.42	26.60	18.73	26.12	3.57	1.82
T0-5	2.12	4.73	31.62	29.74	29.32	27.74	7.27	6.72
T0-6	0.98	1.79	44.79	35.52	41.96	33.11	6.33	6.78
T0-7	2.28	4.40	21.88	25.64	20.71	23.58	5.33	8.03
T0-8	2.12	1.79	26.33	29.77	24.75	27.60	6.01	7.29
T0-9	1.96	3.91	24.16	29.70	22.45	27.55	7.09	7.24
T10-1	4.08	9.62	9.87	9.18	9.13	9.13	7.53	0.58
T10-2	2.93	4.08	10.60	8.26	10.21	8.13	3.68	1.49
T10-3	4.08	1.47	11.93	6.94	11.36	6.69	4.72	3.60
T10-4	3.42	2.12	12.80	15.35	12.23	14.72	4.45	4.13
T10-5	3.59	2.77	30.56	12.56	29.09	11.86	4.81	5.57
T10-6	4.08	3.42	26.53	12.71	25.49	12.19	3.91	4.12
T1-1	6.03	3.10	11.55	12.31	11.25	11.74	2.65	4.68
T1-10	2.45	2.28	14.67	19.45	14.03	17.99	4.36	7.51
T1-11	2.93	2.28	10.97	12.95	10.52	12.10	4.13	6.54
T1-12	2.28	1.63	10.42	14.78	10.03	13.85	3.77	6.29
T1-13	4.40	2.77	10.15	12.31	9.61	11.56	5.32	6.09
T1-14	1.96	2.12	10.44	15.84	9.76	14.48	6.48	8.57
T1-15	3.26	2.28	12.27	28.87	11.57	27.20	5.70	5.80
T1-16	2.12	2.28	10.75	11.42	10.05	10.79	6.51	5.52
T1-17	2.45	1.96	10.77	11.02	10.08	10.33	6.44	6.26
T1-18	1.47	0.98	11.36	12.84	10.69	12.03	5.95	6.31
T1-19	2.61	1.96	7.91	11.06	7.73	10.55	2.23	4.61
T1-2	4.24	3.42	20.14	16.73	19.14	15.89	3.69	5.04
T1-20	2.12	2.28	7.62	8.58	7.19	8.32	5.56	3.11
T1-21	5.87	1.47	9.21	9.92	8.63	9.67	6.37	2.52
T1-22	3.75	3.10	12.98	14.71	12.45	13.84	4.08	5.96
T1-23	1.14	2.28	9.07	10.21	8.70	9.82	4.08	3.82
T1-3	4.73	2.12	13.94	16.59	13.31	15.63	4.52	5.77
T1-4	3.75	3.75	16.52	21.37	15.78	19.59	4.48	8.33
T1-5	3.91	3.10	52.13	25.23	49.03	21.79	5.94	13.61
T1-6	5.87	2.93	44.79	36.08	41.94	32.97	6.36	8.62
T1-7	4.08	2.77	60.10	46.41	56.76	42.61	5.56	8.18
T1-8	3.26	3.26	50.24	35.58	47.08	32.57	6.28	8.46
T1-9	1.96	1.79	20.79	20.38	19.72	18.76	5.15	7.95
T2-1	6.52	5.38	15.24	14.49	14.83	13.72	2.67	5.32
T2-10	3.59	1.79	23.16	29.47	21.79	27.11	5.90	8.01
T2-11	5.22	1.30	11.47	13.32	11.22	12.74	2.12	4.33
T2-12	3.26	1.63	9.77	11.67	9.47	11.14	3.04	4.54

Table S-1 continued.

Sample	PZ PO ₄	Lower PO ₄	PZ LF	Lower LF	PZ HF	Lower HF	PZ FD%	Lower FD%
T2-13	2.12	6.19	10.41	14.65	10.00	13.69	3.88	6.60
T2-14	2.93	4.08	9.99	13.09	9.51	12.23	4.77	6.59
T2-15	3.10	1.79	11.66	16.47	11.29	15.15	3.23	8.01
T2-16	2.28	1.96	11.33	14.99	10.91	14.07	3.68	6.12
T2-17	1.96	1.79	12.61	15.29	11.88	14.21	5.79	7.11
T2-18	1.96	2.93	14.92	19.07	14.06	17.43	5.79	8.60
T2-19	2.93	1.96	11.86	12.87	11.68	11.72	1.52	8.91
T2-2	5.71	5.71	13.15	16.25	12.71	15.15	3.32	6.81
T2-20	2.55	1.79	8.32	10.51	7.72	9.80	7.21	6.73
T2-21	4.56	1.79	8.88	8.29	8.12	7.93	8.59	4.40
T2-22	1.79	2.12	11.61	13.87	11.27	12.70	2.90	8.44
T2-23	2.45	1.63	9.58	9.53	9.12	9.07	4.87	4.79
T2-3	3.59	3.26	13.18	12.62	12.56	12.34	4.68	2.27
T2-4	4.24	3.75	25.02	22.14	23.56	20.31	5.84	8.27
T2-5	7.34	6.52	41.69	30.61	38.93	28.06	6.60	8.33
T2-6	12.71	5.05	35.97	26.94	35.51	24.65	1.27	8.51
T2-7	5.71	2.77	70.32	56.24	65.28	51.64	7.18	8.17
T2-8	7.17	2.45	67.68	45.40	62.71	41.46	7.35	8.69
T2-9	4.89	3.75	49.85	42.98	46.71	39.56	6.29	7.96
T3-1	1.79	4.08	14.36	13.06	13.65	12.09	4.94	7.43
T3-10	4.08	2.77	16.68	13.12	16.11	12.15	3.42	7.44
T3-11	3.42	2.77	15.34	22.32	14.65	20.88	4.50	6.45
T3-12	3.59	1.96	14.69	21.74	14.12	19.71	3.90	9.32
T3-13	6.68	5.38	10.71	19.41	10.18	17.73	4.95	8.65
T3-14	2.45	3.42	11.00	16.81	10.28	15.50	6.49	7.77
T3-15	5.22	7.66	13.25	18.48	12.41	17.29	6.29	6.42
T3-16	2.77	2.45	11.62	18.92	11.11	17.55	4.39	7.21
T3-17	4.08	2.12	10.59	17.54	10.08	16.28	4.82	7.20
T3-18	1.96	4.24	10.06	14.58	9.54	13.69	5.14	6.10
T3-19	1.79	4.73	12.01	11.38	11.50	10.72	4.27	5.80
T3-2	3.91	3.59	17.40	15.19	16.24	14.39	6.69	5.27
T3-20	2.12	7.17	11.72	14.95	11.42	14.12	2.52	5.55
T3-21	4.08	3.26	18.80	15.42	18.12	14.38	3.65	6.72
T3-22	2.45	2.45	11.07	10.23	9.90	8.97	10.51	12.35
T3-23	3.59	4.73	10.03	10.12	9.62	9.17	4.09	9.39
T3-24	4.24	2.45	14.90	12.89	13.43	12.40	9.87	3.75
T3-25	2.28	2.45	31.09	19.37	28.74	17.71	7.56	8.55
T3-3	5.05	4.73	28.97	25.90	27.48	23.67	5.15	8.61
T3-4	8.15	3.10	31.17	27.98	29.84	26.12	4.27	6.66
T3-5	6.68	3.26	52.35	48.36	49.49	45.68	5.48	5.54
T3-6	6.19	2.61	80.77	83.90	76.46	80.17	5.34	4.45
T3-7	3.91	5.05	100.80	62.52	96.06	58.81	4.70	5.94
T3-8	7.34	3.59	75.03	68.61	70.82	63.74	5.62	7.10
T3-9	6.03	3.42	34.01	44.85	32.00	41.15	5.93	8.24
T4.5-1	3.91	3.10	11.70	16.21	11.05	15.16	5.58	6.46
T4.5-10	6.36	3.26	78.31	28.43	74.67	26.55	4.65	6.59
T4.5-11	2.93	1.79	14.72	16.70	14.11	15.22	4.10	8.82
T4.5-2	4.08	6.03	19.31	22.95	18.17	21.00	5.94	8.48

Table S-1 continued.

Sample	PZ PO ₄	Lower PO ₄	PZ LF	Lower LF	PZ HF	Lower HF	PZ FD%	Lower FD%
T4.5-3	3.75	3.59	20.55	23.81	19.25	21.58	6.34	9.38
T4.5-4	3.42	1.30	36.52	56.75	34.43	53.68	5.72	5.40
T4.5-5	2.28	1.63	66.74	58.84	62.94	55.46	5.70	5.74
T4.5-6	4.89	2.12	56.87	62.73	54.45	60.11	4.27	4.18
T4.5-7	4.40	1.30	91.10	67.80	86.02	65.76	5.58	3.01
T4.5-8	4.24	1.63	85.87	72.48	81.99	69.02	4.52	4.78
T4-1	6.36	3.42	14.55	13.09	13.91	12.68	4.43	3.13
T4-10	4.08	3.42	27.32	28.94	25.74	25.78	5.76	10.92
T4-11	5.38	7.01	26.62	22.72	25.13	21.11	5.60	7.06
T4-12	5.22	3.42	14.89	22.93	14.11	21.17	5.28	7.67
T4-13	4.24	1.79	13.67	12.26	12.68	11.66	7.29	4.92
T4-14	3.10	7.50	11.51	13.82	10.87	12.73	5.53	7.84
T4-15	4.56	7.01	18.45	30.77	17.39	27.91	5.71	9.29
T4-16	6.52	1.79	14.39	16.60	13.69	15.31	7.77	5.53
T4-17	2.12	3.26	13.63	21.02	12.88	19.31	5.53	8.12
T4-18	3.42	1.30	12.52	17.94	11.87	16.61	5.22	7.41
T4-19	1.14	0.49	13.70	15.39	12.89	14.73	5.91	4.29
T4-2	7.17	12.88	16.84	18.94	15.51	17.26	7.94	8.84
T4-20	2.93	3.26	10.98	12.77	10.57	12.07	3.76	5.48
T4-21	3.91	2.93	14.02	15.70	13.15	14.78	6.16	5.84
T4-22	2.93	3.26	12.41	13.36	12.14	12.30	2.15	7.91
T4-23	2.93	1.79	14.53	13.82	14.08	13.07	3.12	5.40
T4-24	3.10	3.10	21.42	23.98	20.37	21.77	4.92	9.19
T4-25	2.12	2.77	13.71	29.05	12.97	26.17	5.42	9.91
T4-26	3.26	2.61	13.93	18.56	13.25	17.32	4.88	6.65
T4-27	1.79	2.28	9.70	12.31	9.38	11.27	3.30	8.45
T4-28	2.77	3.10	9.43	12.44	9.22	12.32	2.23	0.96
T4-29	2.12	1.96	9.45	12.32	9.30	11.52	1.62	6.47
T4-3	3.75	4.40	24.19	27.77	22.79	26.81	5.79	3.45
T4-30	2.45	1.47	12.97	15.96	12.25	14.64	5.58	8.27
T4-4	5.38	3.42	26.46	33.07	24.58	31.55	7.10	4.59
T4-5	6.68	3.42	49.00	51.95	46.02	49.99	6.08	3.77
T4-6	6.03	3.75	65.39	64.32	61.83	62.02	5.44	3.57
T4-7	3.26	2.77	73.38	63.30	68.90	61.24	6.11	3.26
T4-8	3.59	3.42	81.79	64.31	78.34	61.41	4.21	4.50
T4-9	3.75	7.01	67.64	53.99	63.40	51.15	6.27	5.27
T5-1	5.22	5.22	17.30	15.90	16.18	14.62	6.49	8.09
T5-10	2.45	4.73	21.97	16.22	21.27	15.04	3.19	7.24
T5-11	3.42	4.40	10.71	9.77	10.21	9.22	4.61	5.63
T5-12	1.79	3.75	8.71	11.78	8.20	11.25	5.93	4.50
T5-13	4.89	8.48	8.99	7.20	8.03	6.58	10.67	8.62
T5-14	5.05	4.24	16.91	12.91	15.67	11.68	7.33	9.48
T5-15	2.77	1.79	12.81	16.76	12.62	15.31	1.46	8.69
T5-16	3.59	4.56	25.42	30.20	23.53	27.80	7.46	7.96
T5-17	3.10	2.77	22.03	24.58	20.39	22.17	7.44	9.80
T5-18	3.10	1.79	10.45	15.67	9.37	13.97	10.33	10.85
T5-19	1.63	1.79	10.85	15.60	10.32	14.45	4.86	7.39
T5-2	3.10	7.34	16.91	19.06	16.29	17.36	3.63	8.92

Table S-1 continued.

Sample	PZ PO ₄	Lower PO ₄	PZ LF	Lower LF	PZ HF	Lower HF	PZ FD%	Lower FD%
T5-20	3.10	1.47	12.35	14.11	11.82	13.15	4.27	6.83
T5-21	1.96	4.40	11.34	14.61	11.10	13.34	2.15	8.69
T5-22	2.45	1.30	19.94	23.46	18.89	21.28	5.25	9.29
T5-23	2.28	1.30	34.65	63.57	32.12	57.76	7.29	9.13
T5-24	0.82	0.16	10.39	15.98	9.76	14.88	6.09	6.86
T5-25	2.93	1.79	9.44	14.34	9.15	13.54	3.07	5.53
T5-26	7.01	3.75	12.24	15.72	11.67	14.89	4.66	5.26
T5-27	1.96	1.63	11.58	11.50	11.29	10.63	2.53	7.59
T5-28	1.47	1.30	9.43	10.50	8.78	10.34	6.89	1.56
T5-29	1.96	2.93	28.40	16.03	25.54	14.92	10.06	6.96
T5-3	2.45	4.24	28.96	19.47	27.59	17.99	4.72	7.62
T5-4	3.75	6.19	60.25	52.17	57.66	48.40	4.29	7.23
T5-5	2.45	2.61	67.17	57.73	63.55	54.25	5.40	6.02
T5-6	4.08	8.48	99.25	101.03	93.68	94.24	5.61	6.72
T5-7	2.61	3.59	86.09	84.54	82.84	81.04	3.78	4.14
T5-8	2.93	2.93	89.29	81.81	85.74	79.61	3.98	2.68
T5-9	3.59	3.10	91.14	76.00	82.96	71.11	8.97	6.43
T6-1	4.73	6.36	18.28	24.07	17.07	21.92	6.64	8.92
T6-10	1.96	2.45	59.53	27.58	56.24	25.25	5.53	8.47
T6-11	2.93	4.56	11.22	7.88	10.76	7.54	4.07	4.27
T6-12	2.66	3.26	7.28	7.04	7.21	6.28	0.96	10.80
T6-13	7.66	5.22	8.81	9.61	7.73	9.13	12.26	4.96
T6-14	4.24	2.77	8.68	8.20	8.33	7.87	4.03	4.10
T6-15	1.96	2.12	8.03	8.23	7.51	7.74	6.51	5.95
T6-16	2.12	3.10	14.41	11.06	13.43	10.59	6.82	4.22
T6-17	1.96	1.47	27.23	27.85	25.35	25.29	6.88	9.17
T6-18	1.30	1.14	26.39	20.29	23.84	18.68	9.68	7.93
T6-19	2.28	4.56	17.64	32.85	16.54	29.93	6.20	8.87
T6-2	8.64	8.64	15.90	25.19	14.91	23.06	6.21	8.43
T6-20	2.28	5.22	15.16	13.62	14.47	12.70	4.53	6.75
T6-21	5.22	2.12	13.08	22.35	12.40	20.43	5.25	8.56
T6-22	2.93	3.91	17.28	33.69	16.14	30.86	6.63	8.40
T6-23	1.96	0.98	11.18	18.28	10.75	17.01	3.82	6.93
T6-24	1.96	1.30	10.47	16.14	9.78	15.03	6.59	6.90
T6-25	1.63	6.19	10.00	21.76	9.71	19.57	2.90	10.06
T6-26	3.10	2.45	14.58	24.18	13.60	22.12	6.72	8.52
T6-27	2.77	4.51	15.36	12.78	14.62	11.82	4.78	7.49
T6-28	3.42	1.47	12.30	10.43	11.67	10.15	5.15	2.75
T6-29	2.45	1.47	15.25	13.93	14.35	13.20	5.88	5.26
T6-3	4.40	10.60	24.68	36.29	22.97	32.91	6.92	9.31
T6-4	6.19	4.08	42.98	46.68	40.65	43.82	5.41	6.14
T6-5	4.56	5.54	67.98	51.72	63.85	48.40	6.07	6.41
T6-6	11.25	8.15	130.05	104.68	121.35	96.83	6.69	7.50
T6-7	7.01	2.61	102.65	55.83	98.87	54.94	3.68	1.59
T6-8	4.24	2.45	92.25	47.32	89.35	46.43	3.14	1.89
T6-9	7.66	5.71	92.94	63.31	87.95	60.67	5.37	4.18
T7-1	3.26	9.29	15.59	19.22	14.53	17.51	6.80	8.90
T7-10	2.77	5.05	16.24	11.31	15.71	10.84	3.30	4.15

Table S-1 continued.

Sample	PZ PO ₄	Lower PO ₄	PZ LF	Lower LF	PZ HF	Lower HF	PZ FD%	Lower FD%
T7-11	2.77	4.08	9.44	7.35	8.94	6.86	5.23	6.75
T7-12	4.73	1.30	7.63	6.38	7.00	6.13	8.30	3.87
T7-13	4.56	4.24	9.42	11.90	8.92	11.23	5.27	5.63
T7-14	5.22	3.91	9.74	10.35	9.35	10.01	4.00	3.28
T7-15	3.42	3.10	10.41	8.31	9.91	7.74	4.80	6.82
T7-16	0.98	2.61	24.03	16.96	22.11	15.40	7.96	9.24
T7-17	1.96	0.82	19.47	20.38	17.93	18.83	7.91	7.61
T7-18	1.47	2.28	15.32	22.85	14.49	21.19	5.44	7.27
T7-19	3.26	13.37	19.69	43.54	18.02	39.80	8.48	8.59
T7-2	4.89	6.68	21.73	29.60	20.39	27.17	6.17	8.22
T7-20	2.12	2.77	21.15	41.86	19.56	37.82	7.36	9.65
T7-21	1.63	3.42	15.54	25.26	14.61	23.10	5.98	8.56
T7-22	3.42	2.28	11.12	24.83	9.80	22.90	11.87	7.77
T7-23	2.12	2.28	15.60	27.39	14.60	24.88	6.41	9.19
T7-24	1.96	1.30	13.40	20.55	12.24	19.25	8.65	6.31
T7-25	2.12	1.30	11.76	31.84	11.31	28.64	3.83	10.07
T7-26	2.28	1.14	15.45	27.64	14.87	25.23	3.75	8.72
T7-27	2.28	1.14	22.06	26.13	19.87	23.89	9.91	8.60
T7-28	1.63	1.41	13.97	14.35	13.01	13.51	6.87	5.88
T7-29	2.12	1.30	15.19	12.81	14.17	11.15	6.74	12.93
T7-3	3.42	12.55	29.90	33.55	27.74	30.81	7.24	8.17
T7-4	3.75	4.89	63.64	45.19	59.59	40.97	6.37	9.35
T7-5	4.08	3.59	79.15	43.87	75.33	40.90	4.83	6.77
T7-6	6.36	3.10	95.80	75.35	92.02	73.38	3.95	2.61
T7-7	4.08	2.28	102.66	91.84	97.68	88.74	4.85	3.37
T7-8	5.87	9.45	71.85	44.49	67.88	41.25	5.52	7.30
T7-9	1.63	2.77	69.24	56.77	65.00	52.92	6.11	6.77
T8-1	4.56	4.56	8.99	11.68	8.30	11.20	7.77	4.17
T8-10	5.22	3.91	18.61	9.17	18.10	8.79	2.72	4.18
T8-11	3.10	1.96	10.86	7.64	10.33	7.41	4.85	3.05
T8-2	2.61	4.73	18.73	14.56	17.66	13.21	5.71	9.25
T8-3	7.50	6.19	27.61	32.01	25.43	29.18	7.91	8.84
T8-4	3.42	8.31	27.50	42.31	25.22	38.55	8.30	8.89
T8-5	2.45	3.26	67.19	41.35	63.20	38.29	5.94	7.40
T8-6	5.54	6.68	59.96	57.91	57.46	54.13	4.16	6.53
T8-7	6.19	3.91	61.66	42.92	57.97	40.14	5.99	6.46
T8-8	4.89	33.42	64.23	80.91	59.56	73.45	7.27	9.22
T8-9	2.45	2.61	39.72	23.63	38.13	22.08	4.02	6.57
T9-1	2.93	1.79	12.97	7.50	12.20	7.09	5.96	5.55
T9-10	3.91	3.26	8.96	7.74	8.40	7.25	6.25	6.37
T9-11	2.45	2.12	10.16	14.64	9.34	13.58	8.04	7.22
T9-2	3.42	1.47	14.11	9.76	13.43	9.14	4.82	6.35
T9-3	2.61	2.45	32.46	17.99	29.94	16.11	7.76	10.45
T9-4	4.08	22.33	54.30	49.29	50.78	44.60	6.47	9.51
T9-5	6.52	6.85	56.05	40.31	52.12	36.51	7.01	9.43
T9-6	5.22	7.99	60.53	39.03	56.18	34.97	7.20	10.40
T9-7	6.36	5.54	62.48	41.51	57.75	37.73	7.57	9.11
T9-8	2.77	3.59	31.48	17.30	29.15	16.12	6.24	6.80

Table S-1 continued.

Sample	PZ PO ₄	Lower PO ₄	PZ LF	Lower LF	PZ HF	Lower HF	PZ FD%	Lower FD%
T9-9	1.47	1.96	11.67	9.73	11.01	8.97	5.65	7.75

Table S-2. Paired Central Tendency Comparison Summaries for PO₄ between Plow Zone and Lower Layer, Computed from PAST 3.26.

<i>N</i> : 238	PZ PO ₄	Low PO ₄
<i>t</i> test		
Mean difference:	0.079034	95% conf.: (-0.32512, 0.48319)
<i>t</i> :	-0.38524	<i>p</i> (same mean): 0.7004
Sign test		
<i>r</i> :	139	<i>p</i> (same median): 0.0048325
Wilcoxon test:		
<i>W</i> :	15586	
Normal appr. <i>Z</i> :	1.7731	<i>p</i> (same median): 0.076215
Monte Carlo (<i>n</i> = 99999):		<i>p</i> (same median): 0.07725

Note: For PAST 3.26, see Hammer and colleagues 2001.

Table S-3. Paired Central Tendency Comparison Summaries for LF MS between Plow Zone and Lower Layer, Computed from PAST 3.26.

<i>N</i> : 238	PZ LF	Low LF
<i>t</i> test		
Mean difference:	1.3795	95% conf.: (-0.042045, 2.8011)
<i>t</i> :	1.9118	<i>p</i> (same mean): 0.057113
Sign test		
<i>r</i> :	132	<i>p</i> (same median): 0.10492
Wilcoxon test:		
<i>W</i> :	14590	
Normal appr. <i>Z</i> :	0.34704	<i>p</i> (same median): 0.72856
Monte Carlo (<i>n</i> = 99999):		<i>p</i> (same median): 0.72787

Note: For PAST 3.26, see Hammer and colleagues 2001.

Table S-4. DFA Confusion Matrix for Composite Measures K-means Clusters.

Original	88.24%	5	7	1	2	4	6	3	Total
CF	1	0	0	0	0	0	0	0	1
5	0	52	11	0	0	0	0	0	63
7	0	11	59	1	0	0	0	0	71
1	0	0	2	32	0	0	0	0	34
2	0	0	0	0	16	0	0	0	16
4	0	0	0	0	0	14	0	0	14
6	0	0	0	0	0	0	23	0	23
3	2	0	0	0	0	0	1	13	16
Total	3	63	72	33	16	14	24	13	238

Jackknifed	84.03%	5	7	1	2	4	6	3	Total
CF	0	0	0	0	0	0	0	1	1
5	0	52	11	0	0	0	0	0	63
7	0	11	56	4	0	0	0	0	71
1	0	0	3	30	1	0	0	0	34
2	0	0	0	0	15	1	0	0	16
4	0	0	0	0	0	13	1	0	14
6	0	0	0	0	0	0	22	1	23
3	2	0	0	0	0	0	2	12	16
Total	2	63	70	34	16	14	25	14	238

Log	93.28%	5	7	1	2	4	6	3	Total
CF	1	0	0	0	0	0	0	0	1
5	0	59	4	0	0	0	0	0	63
7	0	1	66	2	2	0	0	0	71
1	0	0	1	32	1	0	0	0	34
2	0	0	0	0	16	0	0	0	16
4	0	0	0	0	0	14	0	0	14
6	0	0	0	0	0	0	20	3	23
3	1	0	0	0	0	0	1	14	16
Total	2	60	71	34	19	14	21	17	238

Jackknifed	90.76%	5	7	1	2	4	6	3	Total
CF	0	0	0	0	0	0	0	1	1
5	0	58	5	0	0	0	0	0	63
7	0	1	66	2	2	0	0	0	71
1	0	0	2	31	1	0	0	0	34
2	0	0	0	0	15	1	0	0	16
4	0	0	0	0	0	13	1	0	14
6	0	0	0	0	0	1	19	3	23
3	1	0	0	0	0	0	1	14	16
Total	1	59	73	33	18	15	21	18	238

Note: Computed with Hammer and colleagues 2001.

Table S-5. DFA Confusion Matrix for Composite Measures PCA Groups.

Original	88.66%	1	2	Total
CF	1	0	0	1
1	0	134	0	134
2	1	26	76	103
Total	2	160	76	238

Log	94.12%	1	2	Total
CF	1	0	0	1
1	0	134	0	134
2	4	10	89	103
Total	5	144	89	238

Jackknifed	86.13%	1	2	Total
CF	0	0	1	1
1	0	133	1	134
2	1	30	72	103
Total	1	163	74	238

Jackknifed	92.86%	1	2	Total
CF	0	0	1	1
1	0	133	1	134
2	5	10	88	103
Total	5	143	90	238

Note: Computed with Hammer et al. 2001.

Table S-6. Summary Statistics for Composite Measures K-means Clusters.

PZ PO4	1 Lower Upper			2 Lower Upper			3 Lower Upper			4 Lower Upper			5 Lower Upper			6 Lower Upper			7 Lower Upper		
<i>N</i>	34	34	34	16	16	16	16	16	16	14	14	14	63	63	63	23	23	23	71	71	71
Min	1.63			0.98			2.61			0.98			1.14			1.63			0.82		
Max	8.64			12.71			11.25			7.34			7.66			7.17			7.17		
Sum	115.6	97.15	131.58	62.12	37.52	81.53	84.13	65.54	99.63	66.01	52	81.01	204.41	182.84	224.84	103.7	90.03	117.55	230.41	205.13	254.39
Mean	3.400	2.857	3.870	3.883	2.345	5.096	5.258	4.096	6.227	4.715	3.714	5.786	3.245	2.902	3.569	4.509	3.914	5.111	3.245	2.889	3.583
Std. error	0.265	0.124	0.340	0.740	0.000	1.008	0.561	0.209	0.730	0.550	0.423	0.685	0.172	0.133	0.201	0.314	0.242	0.377	0.178	0.146	0.206
Var.	2.379	0.527	3.936	8.761	-0.520	16.263	5.044	0.701	8.521	4.235	2.506	6.569	1.864	1.108	2.548	2.261	1.351	3.274	2.257	1.515	3.026
σ	1.542	1.028	2.178	2.960	1.672	4.798	2.246	1.428	3.240	2.058	1.674	2.737	1.365	1.112	1.644	1.504	1.226	1.890	1.502	1.273	1.785
Median	3.180	2.770	4.080	2.690	1.140	3.100	4.320	2.280	4.730	5.380	4.325	7.500	2.930	2.440	3.200	4.240	2.940	4.730	2.930	2.600	3.410
25%	2.240	1.713	2.360	2.160	1.710	3.020	3.670	3.100	4.410	3.015	0.773	4.315	2.120	1.630	2.280	3.750	3.420	5.050	1.960	1.470	1.960
75%	4.080	3.390	4.740	4.848	1.545	6.925	6.848	6.035	9.295	6.560	6.275	7.905	4.240	3.920	5.060	5.870	5.380	7.180	3.910	2.770	4.400
Skew	1.755	1.072	3.261	2.065	1.103	3.978	1.329	0.409	2.773	-0.485	-1.466	0.609	0.885	0.360	1.506	-0.151	-0.823	0.487	0.961	0.543	1.356
Kurtosis	3.792	-0.682	8.718	4.817	-0.866	10.911	1.992	-1.933	5.729	-1.162	-4.177	-0.410	0.736	-1.257	2.345	-0.807	-2.022	-0.150	0.296	-1.238	1.277
Geo. mean	3.135	2.689	3.510	3.145	1.990	3.961	4.876	3.838	5.679	4.142	2.838	5.278	2.978	2.650	3.272	4.233	3.563	4.857	2.933	2.609	3.228
Coeff. var.	45.363	35.024	61.354	76.238	57.649	114.158	42.712	31.974	58.624	43.645	27.124	62.291	42.073	35.525	49.539	33.347	25.136	43.149	46.297	40.671	53.147
LL PO4	1 Lower Upper			2 Lower Upper			3 Lower Upper			4 Lower Upper			5 Lower Upper			6 Lower Upper			7 Lower Upper		
<i>N</i>	34	34	34	16	16	16	16	16	16	14	14	14	63	63	63	23	23	23	71	71	71
Min	1.14			1.14			1.3			1.3			0.98			1.63			0.16		
Max	13.37			7.01			33.42			6.85			9.62			22.33			12.88		
Sum	153.2	115.7	186.2	56.58	45.5	66.53	90.97	23.81	132.39	47.43	34.86	58.35	186	159.8	208.2	115.7	70.43	147.99	235.4	196.3	271
Mean	4.506	3.403	5.475	3.536	2.844	4.158	5.686	1.488	8.274	3.388	2.490	4.168	2.953	2.536	3.305	5.032	3.062	6.434	3.316	2.765	3.817
Std. error	0.543	0.357	0.683	0.346	0.156	0.448	1.920	0.000	2.698	0.438	0.237	0.585	0.199	0.102	0.248	0.897	0.000	1.225	0.267	0.171	0.324
Variance	10.039	4.337	15.838	1.915	0.391	3.216	58.971	-31.955	116.500	2.683	0.786	4.785	2.490	0.659	3.862	18.499	-6.981	34.523	5.064	2.065	7.436
Stand. dev.	3.168	2.369	4.278	1.384	0.913	1.984	7.679	3.115	14.158	1.638	1.136	2.514	1.578	1.077	2.099	4.301	1.970	7.029	2.250	1.661	2.860
Median	3.505	2.450	4.240	3.260	2.280	3.910	3.260	1.470	3.910	3.260	2.770	4.070	2.450	1.800	2.780	3.590	1.640	4.410	2.610	1.960	3.100
25%	2.200	1.265	2.973	2.610	2.120	2.770	2.610	2.040	3.590	2.285	1.310	3.270	1.790	1.460	1.950	2.770	2.280	3.090	1.790	1.460	2.110
75%	6.233	4.073	8.065	4.608	4.165	5.795	5.545	2.610	7.670	3.833	1.063	4.405	3.910	3.580	4.560	6.190	4.390	8.630	4.400	3.420	5.380
Skewness	1.354	0.649	2.125	0.876	-0.187	2.354	3.539	3.233	6.654	1.008	0.125	3.181	1.952	1.397	3.573	3.207	2.567	6.057	1.687	0.964	2.670
Kurtosis	1.439	-2.241	3.641	1.531	-1.805	4.591	13.279	11.446	27.826	1.011	-3.981	3.707	5.713	2.071	12.598	12.339	8.175	25.937	3.899	-0.156	8.247
Geom. mean	3.606	2.703	4.318	3.282	2.593	3.895	3.887	1.964	4.977	3.039	2.185	3.722	2.633	2.301	2.907	4.109	2.926	4.925	2.677	2.217	3.089
Coeff. var.	70.322	57.575	87.568	39.135	27.153	55.043	135.064	113.450	232.153	48.353	35.061	71.354	53.436	41.538	68.082	85.478	63.607	130.830	67.863	55.165	81.506
PZ LF	1 Lower Upper			2 Lower Upper			3 Lower Upper			4 Lower Upper			5 Lower Upper			6 Lower Upper			7 Lower Upper		
<i>N</i>	34	34	34	16	16	16	16	16	16	14	14	14	63	63	63	23	23	23	71	71	71
Min	11.76			24.03			64.23			34.01			7.28			54.3			10		
Max	29.9			39.72			130.05			59.53			18.61			92.25			21.97		
Sum	715	661.5	768.6	479	447.6	508.5	1469.5	1355	1574.6	648.6	593.8	704.2	671.9	637.3	703.1	1544	1463	1615.3	991.6	945.8	1035
Mean	21.030	19.456	22.607	29.937	27.975	31.784	91.841	84.658	98.409	46.327	42.416	50.298	10.664	10.115	11.161	67.134	63.613	70.229	13.966	13.322	14.576
Std. error	0.813	0.657	0.953	1.011	0.518	1.309	3.646	1.129	4.830	2.090	1.469	2.617	0.268	0.180	0.323	1.725	0.674	2.226	0.319	0.255	0.371
Variance	22.474	14.658	30.899	16.362	4.293	27.409	212.713	20.396	373.199	61.180	30.204	95.898	4.521	2.041	6.558	68.466	10.448	113.983	7.244	4.607	9.759
Stand. dev.	4.741	3.978	5.733	4.045	2.758	5.784	14.585	9.044	21.943	7.822	6.044	10.499	2.126	1.606	2.677	8.274	5.302	11.758	2.691	2.239	3.208
Median	21.285	19.410	23.375	29.765	28.050	32.910	91.120	82.990	96.370	46.895	42.495	52.100	10.160	9.460	10.580	67.170	65.100	71.860	13.930	13.280	14.890
25%	17.550	15.410	19.583	26.553	23.745	28.085	82.810	74.520	90.590	40.398	33.623	46.305	9.420	9.140	9.960	60.530	54.320	61.100	11.660	10.520	12.140
75%	24.865	22.478	27.700	31.585	27.200	32.613	100.413	98.165	109.685	52.185	47.450	58.218	11.580	10.860	12.190	70.320	62.330	73.000	15.250	13.820	15.830
Skewness	-0.115	-0.650	0.390	0.844	0.066	2.367	0.759	-0.419	2.836	-0.148	-0.976	0.761	1.319	0.685	2.180	1.277	0.480	2.850	0.808	0.409	1.305
Kurtosis	-0.751	-1.686	-0.188	1.042	-2.039	3.624	2.583	-0.494	6.492	-0.778	-2.921	0.194	2.546	-0.655	5.374	2.730	-0.964	6.424	0.483	-0.908	1.590
Geom. mean	20.478	18.811	22.080	29.692	27.773	31.453	90.787	83.753	97.254	45.692	41.604	49.597	10.477	9.971	10.936	66.680	63.312	69.621	13.725	13.105	14.300
Coeff. var.	22.542	18.282	27.650	13.512	9.640	19.147	15.880	10.089	23.886	16.884	12.695	23.007	19.937	15.736	24.720	12.325	8.401	17.373	19.272	16.428	22.669
LL LF	1 Lower Upper			2 Lower Upper			3 Lower Upper			4 Lower Upper			5 Lower Upper			6 Lower Upper			7 Lower Upper		
<i>N</i>	34	34	34	16	16	16	16	16	16	14	14	14	63	63	63	23	23	23	71	71	71
Min	22.95			12.56			55.83			25.23			6.38			28.43			12.78		
Max	43.54			29.74			104.68			63.57			14.78			64.32			24.83		
Sum	1010	946.3	1066	331.7	291.2	370.3	1234.9	1124	1337.9	586.05	507.6	663.25	680.9	646.1	716.8	1151	1070	1234	1206	1157	1255
Mean	29.697	27.832	31.344	20.733	18.201	23.142	77.183	70.227	83.616	41.861	36.260	47.375	10.809	10.255	11.377	50.040	46.506	53.651	16.992	16.295	17.678
Std. error	0.902	0.595	1.128	1.297	0.943	1.606	3.471	2.359	4.400	2.959	1.960	3.745	0.283	0.246	0.319	1.869	1.265	2.277	0.356	0.299	0.407

Table S-6 continued.

Variance	27.648	12.032	43.255	26.911	14.231	41.245	192.779	89.050	309.733	122.539	53.756	196.375	5.043	3.818	6.398	80.374	36.800	119.221	8.978	6.361	11.744
Stand. dev.	5.258	3.939	7.046	5.188	4.083	6.829	13.884	10.550	19.061	11.070	8.308	15.161	2.246	1.988	2.571	8.965	6.797	11.486	2.996	2.588	3.500
Median	28.995	27.755	30.600	19.880	15.740	22.460	75.675	67.450	83.550	41.645	34.930	47.770	11.060	10.340	12.000	49.290	42.340	54.090	16.210	15.660	16.750
25%	25.545	23.320	27.043	17.045	14.490	21.380	65.183	55.015	67.845	34.293	27.455	41.593	9.170	8.420	10.140	43.870	40.420	46.390	14.710	14.000	15.310
75%	32.220	30.100	34.740	25.333	22.685	30.375	84.380	67.730	92.760	49.258	40.060	56.193	12.620	12.150	13.460	57.730	52.730	63.740	19.060	17.740	20.970
Skewness	1.185	0.648	2.057	0.130	-0.706	0.891	0.544	-0.245	1.479	0.353	-0.506	1.354	-0.126	-0.484	0.240	-0.292	-1.325	0.407	0.774	0.357	1.160
Kurtosis	1.248	-1.642	3.353	-0.802	-2.719	0.022	-0.279	-2.770	0.981	-0.398	-2.751	0.774	-0.933	-1.500	-0.597	-0.077	-1.551	1.416	-0.199	-1.486	0.584
Geom. mean	29.286	27.549	30.798	20.106	17.447	22.471	76.047	69.171	82.165	40.499	34.748	45.744	10.567	9.990	11.137	49.214	45.469	52.959	16.747	16.082	17.389
Coeff. var.	17.706	13.995	23.249	25.021	19.253	33.014	17.989	14.030	24.239	26.444	19.987	35.942	20.777	18.065	24.043	17.916	13.049	23.123	17.634	15.538	20.283
PZ FD	1	Lower	Upper	2	Lower	Upper	3	Lower	Upper	4	Lower	Upper	5	Lower	Upper	6	Lower	Upper	7	Lower	Upper
N	34	34	34	16	16	16	16	16	16	14	14	14	63	63	63	23	23	23	71	71	71
Min	3.57			1.27			3.68			5.41			0.96			3.14			1.46		
Max	9.91			10.06			8.97			7.29			12.26			7.57			11.87		
Sum	215.6	200.5	230.5	96.12	78.15	113.4	84.12	72.36	94.22	86.25	82.1	90.02	323.9	287	357.9	131.6	121.5	142	363.3	332.5	391.8
Mean	6.340	5.896	6.778	6.008	4.884	7.088	5.258	4.523	5.889	6.161	5.864	6.430	5.142	4.556	5.681	5.721	5.281	6.175	5.116	4.683	5.518
Std. error	0.227	0.153	0.279	0.573	0.360	0.724	0.356	0.155	0.469	0.149	0.096	0.191	0.289	0.219	0.341	0.234	0.163	0.287	0.217	0.156	0.257
Variance	1.750	0.794	2.638	5.246	2.073	8.393	2.026	0.384	3.514	0.309	0.128	0.509	5.269	3.031	7.337	1.257	0.609	1.896	3.333	1.721	4.689
Stand. dev.	1.323	1.001	1.717	2.290	1.679	3.132	1.423	0.932	2.113	0.556	0.412	0.781	2.295	1.851	2.802	1.121	0.862	1.456	1.826	1.428	2.245
Median	6.205	5.530	6.510	5.720	3.880	6.730	5.095	4.580	5.980	6.180	6.000	6.640	4.800	4.280	5.330	5.940	5.770	6.440	4.880	4.230	5.260
25%	5.708	5.435	6.248	4.383	3.105	4.855	4.038	3.215	4.295	5.673	5.205	5.883	3.740	3.390	4.550	4.830	3.960	5.390	3.880	3.310	4.340
75%	7.135	6.698	7.640	7.710	5.740	9.580	5.618	3.965	6.018	6.420	5.760	6.698	6.440	5.590	7.320	6.370	5.540	6.750	6.160	5.630	6.740
Skewness	0.153	-0.768	1.107	0.009	-1.180	0.937	1.298	0.419	2.699	0.552	-0.232	1.675	0.839	0.357	1.492	-0.388	-1.142	0.322	0.953	0.327	1.980
Kurtosis	0.996	-0.958	2.583	0.046	-2.021	1.646	1.843	-2.736	5.171	-0.097	-2.874	1.464	0.935	-0.810	2.330	-0.070	-2.133	1.115	2.171	-0.102	4.954
Geom. mean	6.199	5.742	6.649	5.486	4.176	6.714	5.099	4.429	5.655	6.138	5.845	6.399	4.630	4.049	5.151	5.606	5.135	6.083	4.802	4.375	5.192
Coeff. var.	20.866	15.640	27.103	38.125	24.745	52.551	27.076	19.895	38.808	9.022	6.798	12.596	44.642	37.200	53.323	19.598	14.148	25.836	35.683	28.853	43.188
LL FD	1	Lower	Upper	2	Lower	Upper	3	Lower	Upper	4	Lower	Upper	5	Lower	Upper	6	Lower	Upper	7	Lower	Upper
N	34	34	34	16	16	16	16	16	16	14	14	14	63	63	63	23	23	23	71	71	71
Min	1.82			4.12			1.59			3.77			0.58			1.89			4.13		
Max	10.92			10.45			9.22			13.61			12.35			10.4			12.93		
Sum	281.05	262.25	303.47	119.64	108.46	130.85	78.22	62.08	93.37	109.88	92.32	125.63	331.8	297.78	365.75	154.8	135.86	174.93	521.11	495.37	545.67
Mean	8.266	7.713	8.926	7.478	6.779	8.178	4.889	3.880	5.836	7.849	6.594	8.974	5.267	4.727	5.806	6.730	5.907	7.606	7.340	6.977	7.685
Std. error	0.317	0.131	0.417	0.377	0.201	0.485	0.522	0.357	0.651	0.625	0.211	0.825	0.276	0.203	0.327	0.441	0.306	0.548	0.183	0.134	0.214
Variance	3.421	0.586	5.914	2.278	0.643	3.761	4.367	2.034	6.788	5.470	0.624	9.534	4.811	2.601	6.719	4.481	2.147	6.899	2.367	1.271	3.265
Stand. dev.	1.850	1.198	2.736	1.509	1.041	2.127	2.090	1.591	2.784	2.339	1.466	3.492	2.194	1.737	2.683	2.117	1.623	2.797	1.539	1.216	1.865
Median	8.660	8.150	8.930	7.340	6.170	7.960	4.475	2.520	5.580	8.285	7.950	10.410	4.990	4.050	5.500	6.770	6.140	7.520	7.390	7.010	7.890
25%	8.025	7.570	9.170	6.675	6.225	7.780	3.100	1.750	3.590	5.990	3.740	6.988	4.100	3.800	5.070	5.740	4.950	7.910	6.420	6.010	7.070
75%	9.290	8.893	9.690	8.540	7.840	9.460	6.648	5.795	8.795	8.748	7.020	9.165	6.370	5.920	6.790	8.180	7.010	9.590	8.440	8.190	9.040
Skewness	-2.050	-3.366	-0.998	-0.242	-1.590	0.836	0.428	-0.435	1.339	0.683	-0.316	3.005	0.565	-0.068	1.433	-0.480	-1.293	0.202	0.534	-0.139	1.497
Kurtosis	4.690	-3.464	9.046	0.790	-1.415	2.937	-0.428	-2.690	0.758	2.140	-1.183	5.929	1.280	-0.468	2.935	0.071	-2.161	1.306	1.519	-0.327	3.851
Geom. mean	7.930	7.134	8.867	7.321	6.568	8.063	4.449	3.394	5.334	7.522	6.271	8.636	4.726	4.110	5.332	6.320	5.327	7.321	7.181	6.823	7.528
Coeff. var.	22.377	12.316	33.753	20.185	13.102	28.565	42.747	31.774	56.215	29.799	19.151	44.563	41.649	33.449	50.700	31.451	21.247	42.799	20.962	16.856	25.352

Table S-7. Summary Statistics for PlowZone Measures K-means Clusters.

PZ PO4	1	Lower	Upper	2	Lower	Upper	3	Lower	Upper	4	Lower	Upper	5	Lower	Upper
N	34	34	34	59	59	59	17	17	17	98	98	98	29	29	29
Min	0.98			1.47			2.61			0.82			1.63		
Max	12.71			8.64			11.25			7.66			7.34		
Sum	135.81	106.95	160.74	206.42	183.28	228.11	86.58	68.63	101.9	302.42	275.33	328.58	135.15	118.37	152.73
Mean	3.994	3.146	4.728	3.499	3.106	3.866	5.093	4.037	5.994	3.086	2.809	3.353	4.660	4.082	5.267
Std. error	0.417	0.193	0.526	0.200	0.147	0.238	0.523	0.148	0.687	0.138	0.111	0.158	0.305	0.248	0.357
Variance	5.900	1.263	9.407	2.364	1.282	3.344	4.648	0.372	8.017	1.854	1.205	2.456	2.699	1.788	3.693
σ	2.429	1.612	3.311	1.537	1.219	1.899	2.156	1.324	3.181	1.361	1.141	1.604	1.643	1.386	1.980

Table S-7 continued.

Median	3.505	2.77	4.56	3.1	2.61	3.43	4.24	2.12	4.57	2.93	2.76	3.41	4.89	4.07	6.03
25%	2.240	1.710	2.520	2.280	1.950	2.440	3.750	3.340	4.570	2.080	1.880	2.200	3.505	2.930	4.645
75%	5.380	4.283	6.680	4.240	3.260	4.730	6.360	5.060	8.480	3.790	3.180	4.160	6.110	5.540	7.165
Skewness	1.598	0.818	2.958	1.178	0.618	1.809	1.585	0.680	3.143	1.047	0.629	1.533	-0.159	-0.727	0.399
Kurtosis	3.739	-0.269	8.533	1.288	-1.292	3.213	2.992	-1.178	7.589	1.048	-0.631	2.453	-1.008	-1.946	-0.536
Geom. mean	3.388	2.662	3.984	3.211	2.860	3.526	4.745	3.825	5.469	2.815	2.564	3.047	4.336	3.679	4.958
Coeff. var.	60.811	45.886	78.902	43.943	37.070	52.231	42.330	31.287	59.457	44.120	38.547	50.613	35.253	27.360	43.764
PZ LF	1	Lower	Upper	2	Lower	Upper	3	Lower	Upper	4	Lower	Upper	5	Lower	Upper
<i>N</i>	34	34	34	59	59	59	17	17	17	98	98	98	29	29	29
Min	24.03			14.02			78.31			7.28			49		
Max	44.79			23.16			130.05			13.97			75.03		
Sum	1049.22	978.45	1113.54	1015.04	974.66	1054.68	1579.91	1470.7	1669.2	1072.62	1041.56	1103.68	1802.78	1728.16	1881.01
Mean	30.859	28.778	32.751	17.204	16.520	17.876	92.936	86.512	98.188	10.945	10.628	11.262	62.165	59.592	64.862
Std. error	1.040	0.780	1.272	0.345	0.298	0.390	3.013	0.000	3.969	0.163	0.143	0.181	1.358	1.086	1.603
Variance	36.763	20.681	54.995	7.002	5.231	8.960	154.353	-8.369	267.863	2.602	2.007	3.198	53.507	34.176	74.480
σ	6.063	4.857	7.822	2.646	2.330	3.046	12.424	7.041	18.457	1.613	1.438	1.810	7.315	6.095	8.926
Median	28.965	26.45	30.7	16.52	15.64	17.68	91.14	83.03	96.41	10.915	10.43	11.38	62.48	57.79	65
25%	26.443	25.385	27.950	14.900	14.460	15.220	83.830	76.540	88.510	9.763	9.193	10.095	56.460	52.530	60.845
75%	34.170	28.128	37.250	19.420	18.050	21.200	100.025	97.390	108.030	12.068	11.335	12.508	67.660	65.000	70.510
Skewness	1.073	0.395	1.661	0.662	0.172	1.086	1.627	0.907	3.757	-0.044	-0.349	0.252	-0.240	-0.763	0.342
Kurtosis	0.230	-2.760	1.629	-0.880	-2.053	-0.313	4.159	0.911	9.925	-0.591	-1.073	-0.208	-0.838	-2.023	-0.237
Geom. mean	30.336	28.401	32.051	17.014	16.350	17.648	92.228	86.247	97.067	10.824	10.500	11.142	61.737	59.094	64.433
Coeff. var.	19.648	16.554	24.726	15.381	13.833	17.389	13.368	8.471	19.683	14.737	13.069	16.585	11.767	9.668	14.528
PZ FD	1	Lower	Upper	2	Lower	Upper	3	Lower	Upper	4	Lower	Upper	5	Lower	Upper
<i>N</i>	34	34	34	59	59	59	17	17	17	98	98	98	29	29	29
Min	1.27			2.67			3.14			0.96			4.16		
Max	10.06			9.91			8.97			12.26			7.57		
Sum	216.22	197.59	235.26	327.43	302.85	352.31	83.85	72.29	93.49	498.86	456.49	540.56	174.47	165.43	183.72
Mean	6.359	5.811	6.919	5.550	5.133	5.971	4.932	4.252	5.499	5.090	4.658	5.516	6.016	5.704	6.335
Std. error	0.289	0.172	0.357	0.215	0.172	0.249	0.329	0.000	0.439	0.219	0.173	0.255	0.163	0.117	0.200
Variance	2.840	1.005	4.341	2.732	1.743	3.663	1.841	-0.055	3.273	4.693	2.917	6.355	0.768	0.394	1.158
σ	1.685	1.208	2.213	1.653	1.377	1.964	1.357	0.781	2.075	2.166	1.789	2.592	0.876	0.684	1.138
Median	6.345	5.59	6.9	5.71	5.26	6.5	4.7	4.03	5.42	4.855	4.435	5.19	6.07	5.86	6.52
25%	5.553	5.175	6.498	4.360	3.900	5.070	3.965	3.255	4.250	3.768	3.448	4.465	5.525	5.110	6.145
75%	7.333	6.743	7.733	6.640	5.950	7.110	5.475	4.260	6.185	6.130	5.730	6.680	6.420	5.640	6.730
Skewness	-0.464	-1.706	0.552	0.434	-0.003	1.052	1.714	0.847	3.889	0.956	0.560	1.570	-0.306	-1.268	0.172
Kurtosis	1.748	-0.485	4.250	0.061	-0.901	1.161	4.201	-0.150	9.751	1.606	0.042	3.028	0.167	-1.654	1.319
Geom. mean	6.062	5.398	6.799	5.306	4.887	5.714	4.784	4.181	5.281	4.634	4.207	5.042	5.951	5.626	6.278
Coeff. var.	26.499	17.693	35.089	29.784	25.062	35.258	27.507	18.556	41.259	42.559	36.186	49.908	14.568	11.078	19.031

Table S-8. DFA Confusion Matrix for Plow Zone K-means Clusters.

Original	4	2	1	5	3	Total
4	94	4	0	0	0	98
2	8	50	1	0	0	59
1	0	0	34	0	0	34
5	0	0	0	29	0	29
3	0	0	0	0	17	17
Total	102	54	35	29	17	237
94.51%						
Log	4	2	1	5	3	Total
4	90	8	0	0	0	98
2	0	58	1	0	0	59
1	0	0	32	2	0	34
5	0	0	0	29	0	29
3	0	0	0	0	17	17
Total	90	66	33	31	17	237
95.36%						

Note: Computed with Hammer and colleagues 2001.

Table S-9. DFA Confusion Matrix for Lower Level K-means Clusters.

Original	4	6	1	5	2	3	Total
4	57	0	4	9	0	0	70
6	0	31	0	0	0	0	31
1	2	0	37	0	0	0	39
5	7	0	0	42	0	0	49
2	0	0	0	0	29	0	29
3	0	0	0	0	0	19	19
Total	66	31	41	51	29	19	237
90.72%							
Log	4	6	1	5	2	3	Total
4	67	0	2	1	0	0	70
6	0	30	0	0	1	0	31
1	0	0	39	0	0	0	39
5	4	0	0	45	0	0	49
2	0	0	0	0	28	1	29
3	0	0	0	0	0	19	19
Total	71	30	41	46	29	20	237
96.20%							

Note: Computed with Hammer and colleagues 2001.

Jackknifed	4	2	1	5	3	Total
4	91	7	0	0	0	98
2	8	50	1	0	0	59
1	0	1	33	0	0	34
5	0	0	0	29	0	29
3	0	0	0	1	16	17
Total	99	58	34	30	16	237
92.41%						
Jackknifed	4	2	1	5	3	Total
4	89	9	0	0	0	98
2	0	57	2	0	0	59
1	0	0	31	3	0	34
5	0	0	0	29	0	29
3	0	0	0	0	17	17
Total	89	66	33	32	17	237
94.09%						

Jackknifed	4	6	1	5	2	3	Total
4	57	0	4	9	0	0	70
6	0	31	0	0	0	0	31
1	2	0	37	0	0	0	39
5	8	0	0	41	0	0	49
2	0	1	0	0	28	0	29
3	0	0	0	0	1	18	19
Total	67	32	41	50	29	18	237
89.45%							
Jackknifed	4	6	1	5	2	3	Total
4	67	0	2	1	0	0	70
6	0	29	1	0	1	0	31
1	0	2	37	0	0	0	39
5	5	0	0	44	0	0	49
2	0	0	0	0	28	1	29
3	0	0	0	0	0	19	19
Total	72	31	40	45	29	20	237
94.51%							