

Table I-6 Results of Metals and Physical Parameters (as Percentages of Sediment) Using Student-Newman-Kuels Test

Analyte	Zone	n	Significantly Different Zones	Mean (%)	Minimum (%)	Maximum (%)	Standard Deviation (%)	Coefficient of Variation (%)
Aluminum	0	8	A	7.29	6.17	7.99	0.64	8.77
Aluminum	1	17	A	7.46	6.57	8.16	0.36	4.80
Aluminum	2	17	A	7.48	6.94	7.73	0.23	3.13
Aluminum	3	17	A	7.17	5.64	7.64	0.48	6.72
Calcium	0	8	A	2.68	1.81	4.16	0.92	34.21
Calcium	1	17	B	2.21	1.87	2.63	0.17	7.62
Calcium	2	17	C	1.86	1.55	2.18	0.19	10.31
Calcium	3	17	C	1.75	1.51	1.96	0.13	7.70
Clay	0	8	C	2.45	1.15	4.58	1.17	47.69
Clay	1	17	B	4.06	1.47	8.92	1.66	40.88
Clay	2	17	A	6.15	2.80	16.30	3.03	49.31
Clay	3	17	AB	5.11	2.65	7.57	1.46	28.54
Iron	0	8	B	3.98	2.87	4.93	0.64	15.98
Iron	1	17	B	3.90	3.37	4.40	0.31	7.89
Iron	2	17	A	4.28	3.78	4.57	0.24	5.54
Iron	3	17	A	4.51	4.38	4.67	0.08	1.70
Magnesium	0	8	C	1.51	1.18	1.77	0.17	11.45
Magnesium	1	17	C	1.45	1.21	1.82	0.17	11.76
Magnesium	2	17	B	1.71	1.56	1.83	0.08	4.72
Magnesium	3	17	A	1.85	1.71	1.93	0.07	3.57
Potassium	0	8	B	1.68	1.41	1.97	0.17	10.16
Potassium	1	17	B	1.62	1.34	2.03	0.20	12.23
Potassium	2	17	B	1.68	1.57	1.85	0.07	4.38
Potassium	3	17	A	1.82	1.62	1.96	0.09	5.08
Sand	0	8	A	42.24	5.37	76.83	26.82	63.49
Sand	1	17	A	32.43	2.63	69.70	22.37	68.99
Sand	2	17	B	6.28	0.51	27.20	7.54	119.91
Sand	3	17	B	2.49	0.31	17.70	4.35	174.58
Silt	0	8	B	55.30	21.83	90.08	25.76	46.59
Silt	1	17	B	63.50	28.20	92.40	21.27	33.49
Silt	2	17	A	87.55	68.60	96.40	7.98	9.12
Silt	3	17	A	92.39	79.20	96.30	4.15	4.49
Total Organic Carbon	0	8	B	0.64	0.36	1.18	0.33	52.15
Total Organic Carbon	1	17	B	0.57	0.37	0.94	0.17	29.68
Total Organic Carbon	2	17	A	0.84	0.48	1.04	0.14	16.12
Total Organic Carbon	3	17	A	0.95	0.86	1.16	0.08	8.66