



Table 2: Calculated Total Organic Carbon and Analyzed Trace Elements from Fall Creek Delta Sediments

Sample ID	texture	Fe (wt. %)	TOC (%)	Ba	Ce	Cr	Cu	Ni	Rb	Sr	Y	Zn	Zr	Pb
<i>Surface Samples</i>														
62	silt/clay	2.74	0.16	347	60	55	36	40	87	114	31	96	397	31
76	silt/clay	3.17	1.58	386	61	60	31	41	91	123	31	92	337	32
77	silt/clay	2.86	2.61	344	59	51	37	40	86	117	31	96	370	29
78	silt/clay	2.91	2.52	362	55	57	33	40	83	121	32	96	392	28
79	silt/clay	2.94	3.91	354	61	53	30	40	86	119	31	96	433	37
79R	silt/clay	2.90	3.55	355	55	56	33	39	81	123	32	96	447	29
80	sand		1.12	336	58	52	22	38	81	122	25	70	318	23
81	sand	2.44	0.75	347	52	45	21	34	73	129	26	67	397	21
<i>Core Samples</i>														
<u>64</u>														
0-10 cm	silt/clay	2.55	1.56	336	52	46	28	40	81	112	29	81	396	36
10-20 cm	silt/clay	2.60	0.15	336	60	53	29	38	83	103	33	82	453	37
20-30 cm	silt/clay	2.54	1.93	308	50	46	27	39	76	117	28	80	430	26
<u>71</u>														
0-7 cm	silt/clay	2.90	2.86	369	73	60	42	74	102	95	35	107	418	43
7-14 cm	silt/clay	3.47	0.16	447	76	77	43	62	113	97	38	127	381	46
14-21 cm	silt/clay	3.39	3.15	443	79	85	45	67	118	99	37	128	379	49
<u>73</u>														
10-20 cm	silt/clay	3.74	5.88	496	92	83	37	54	121	100	45	112	328	40
20-30 cm	silt/clay sandy	2.58	4.68	403	74	57	24	39	83	95	35	73	343	21
30-40 cm	silt	1.20	3.65	321	44	31	18	28	53	99	23	43	328	12
40-50 cm	sand	1.02	1.83	364	32	20	11	27	48	130	16	35	223	8
50-60 cm	sand	0.71	1.53	295	37	13	16	21	40	114	15	29	199	10
60-70 cm	sand	1.04	0.04	347	38	19	13	29	51	117	16	33	179	12
70-80 cm	sand	1.03	1.70	358	37	20	15	28	50	126	16	32	197	11
80-90 cm	sand	1.00	0.46	338	36	17	14	27	50	125	15	33	293	10
90-94 cm	sand	0.52	7.77	296	16	11	13	18	35	110	13	26	192	8
<u>74</u>														
0-10 cm	silt/clay	3.94	9.12	508	92	86	58	58	151	109	45	193	346	81
10-20 cm	silt/clay	4.48	6.49	519	93	86	50	58	137	100	43	144	315	69
30-40 cm	sandy silt	1.56	3.82	328	56	30	20	34	62	106	25	50	350	13
40-50 cm	sandy silt	1.40	2.73	351	34	35	13	29	56	118	22	45	365	10
50-60 cm	sand	1.64	0.85	282	43	33	12	34	58	79	21	46	293	10
60-70 cm	sand	1.66	1.02	352	44	49	16	36	62	105	20	48	249	13
<u>FCD1</u>														
0-3 cm	silt/clay	1.95	1.10	284	44	49	15	22	58	142	31	59	415	22
3-6 cm	silt/clay	1.92	0.64	276	38	47	17	21	59	121	31	61	418	20
6-9 cm	silt/clay	1.76	0.29	275	47	42	13	20	57	128	30	57	488	19
9-14 cm	silt/clay	2.18	0.58	327	41	48	21	25	69	117	31	73	394	26
14-19 cm	silt/clay	2.45	1.15	337	57	59	23	27	74	118	36	86	563	38
19-24 cm	silt/clay	2.22	0.29	324	53	57	21	26	73	118	34	89	530	37
24-28 cm	silt/clay	2.15	0.74	300	48	55	16	25	70	115	36	76	686	33
<u>FCD4</u>														
0-3 cm	silt/clay	2.45	1.14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-6 cm	silt/clay	2.67	1.93	313	63	60	25	29	72	136	35	84	449	32
6-9 cm	silt/clay	2.77	1.05	352	52	71	27	31	84	120	35	104	370	44
9-14 cm	silt/clay	2.13	1.02	347	64	67	30	32	87	124	36	100	353	49
14-19 cm	sandy silt	2.38	1.79	305	57	53	17	26	72	151	35	73	404	31
19-24 cm	sandy silt	2.25	2.70	380	52	48	21	27	80	131	33	75	407	33
24-29 cm	silt/clay	1.92	1.44	347	64	58	20	27	78	125	35	67	450	30
29-34 cm	silt/clay	1.87	1.79	313	50	43	14	25	70	126	32	59	418	23
34-38 cm	silt/clay	2.31	1.91	322	36	38	13	22	66	108	31	54	442	20
<u>FCD6</u>														
0-3 cm	silt/clay	2.99	2.61	326	56	53	17	27	77	103	36	64	413	22
3-6 cm	silt/clay	2.96	2.76	365	58	63	31	33	85	144	35	105	295	36
6-9 cm	silt/clay	2.81	2.47	362	59	64	31	33	84	143	34	105	287	36
9-14 cm	silt/clay	2.72	1.57	351	56	62	28	31	81	163	34	101	312	35
14-19 cm	silt/clay		2.12	332	59	59	29	30	78	137	35	96	317	38
19-24 cm	silt/clay	3.07	2.10	379	71	64	37	37	93	122	37	122	335	52
24-29 cm	silt/clay	2.93	1.95	366	69	65	28	35	93	141	36	107	309	49
29-34 cm	silt/clay	2.91	2.45	372	66	63	31	35	93	153	36	108	325	50
34-39 cm	silt/clay	2.96	2.10	383	64	62	30	34	95	150	37	96	300	48
39-44 cm	silt/clay	2.21	1.51	307	49	57	19	26	73	169	32	70	328	37
44-49 cm	silt/clay	3.25	3.12	406	69	71	31	39	102	122	41	97	305	48
49-52 cm	silt/clay	3.47	2.99	411	77	77	33	41	108	119	41	103	288	47
<i>Control Sites</i>														
83	silt/clay		2.56	364	63	56	30	40	81	116	33	89	398	24
<u>CID2</u>														
0-3 cm	silt/clay	2.72	2.08	403	61	58	27	30	84	145	33	92	395	36
3-6 cm	silt/clay	2.26	2.16	346	54	52	20	23	73	155	31	68	337	33

NA = not analyzed