

Table 7. Monitoring station data, total sediments

Sample #	Date	Easting	Northing	SiO ₂ weight%	TiO ₂ weight%	Al ₂ O ₃ weight%	Fe ₂ O ₃ ^T weight%	MnO weight%	MgO weight%	CaO weight%	Na ₂ O weight%	K ₂ O weight%	H ₂ O ⁺ weight%	CO ₃ ^T weight%	CO ₂ weight%	C weight%	P ₂ O ₅ weight%	ST weight%	Total weight%	LOI weight%	F ppm	Cl ppm
MON1002-300797	7/30/97	691664	5269253	52.40	1.45	12.70	7.85	0.42	3.07	2.46	2.01	1.21					0.23	0.00	84.00	16.3	410	180
MON1003-170797	7/17/97	686679	5252275	60.10	1.78	9.90	5.40	0.20	1.52	1.36	1.70	1.67	10.40	22.30	-0.10	6.10	0.18	0.07	100.40	16.2	288	180
MON1004-060797	7/6/97	681345	5261923	36.10	0.49	8.20	27.90	3.31	0.95	0.90	0.80	1.25	14.00	16.80	0.60	4.40	0.30	0.05	99.50	20.2	231	120
MON1004-100797	7/10/97	681345	5261923	32.20	0.45	7.50	30.80	3.92	0.90	0.91	0.70	1.15	14.70	16.90	0.80	4.40	0.30	0.06	99.10	20.9	229	155
MON1004-140797	7/14/97	681345	5261923	32.70	0.45	7.60	30.70	3.79	0.91	0.92	0.70	1.14	15.30	19.10	0.80	5.00	0.29	0.06	100.60	20.7	231	173
MON1004-170797	7/17/97	681345	5261923	33.10	0.45	7.70	30.30	3.79	0.91	0.91	0.70	1.15	15.50	17.20	0.80	4.50	0.30	0.06	100.40	20.8	263	177
MON1004-220797	7/22/97	681345	5261923	31.20	0.42	7.30	30.90	4.13	0.88	0.97	0.70	1.09	16.40	19.10	1.00	4.90	0.31	0.08	100.60	22.2	306	179
MON1004-250797	7/25/97	681345	5261923	33.90	0.45	7.90	28.60	3.57	0.94	0.94	0.70	1.21	15.10	18.60	0.70	4.90	0.31	0.06	99.60	21.6	319	170
MON1004-300797	7/30/97	681345	5261923	32.50	0.45	7.80	28.30	3.62	0.94	0.98	0.70	1.18	16.60	21.00	0.70	5.50	0.32	0.07	100.00	23.1	233	172
MON1004-040897	8/4/97	681345	5261923	32.20	0.46	8.00	27.40	3.25	0.97	1.06	0.80	1.21	16.60	23.30	0.70	6.20	0.33	0.08	99.50	24.2	265	126
MON1004-080897	8/8/97	681345	5261923	34.10	0.47	8.00	28.30	3.29	0.95	0.96	0.70	1.21	15.10	19.00	0.80	5.00	0.31	0.07	99.50	21.8	315	200
MON1004-120897	8/12/97	681345	5261923	25.20	0.35	6.60	34.60	5.43	0.81	1.01	0.50	0.94	16.70	18.70	0.90	4.90	0.30	0.07	98.80	23.4	192	126
MON1004-180897	8/18/97	681345	5261923	27.10	0.38	7.00	33.70	4.88	0.83	1.01	0.60	0.99	16.40	18.50	1.20	4.70	0.32	0.07	99.40	23.2	213	219
MON1005-060797	7/6/97	689907	5264222	57.70	1.03	14.40	5.92	0.09	1.32	0.63	1.10	2.89	0.00	0.00	0.00	0.00	0.20	0.00	85.50	13.8	569	247
MON1005-100797	7/10/97	689907	5264222	55.80	0.93	14.60	6.00	0.10	1.31	0.69	1.10	2.98	11.20	20.70	-0.10	5.60	0.22	0.08	100.90	16.5	577	164
MON1005-140797	7/14/97	689907	5264222	57.10	0.94	14.30	6.22	0.09	1.29	0.67	1.10	2.87					0.21	0.00	85.00	15.2	544	182
MON1005-170797	7/17/97	689907	5264222	53.70	0.96	15.10	6.40	0.11	1.37	0.76	1.00	3.08	12.50	21.50	0.10	5.80	0.23	0.07	101.30	17.5	409	156
MON1005-220797	7/22/97	689907	5264222	54.50	0.95	13.70	5.75	0.09	1.24	0.80	1.01	2.71					0.23	0.00	81.20	17.9	500	225
MON1005-250797	7/25/97	689907	5264222	59.70	0.99	14.90	6.57	0.09	1.35	0.60	1.23	2.94					0.19	0.00	88.70	12.5	556	226
MON1005-300797	7/30/97	689907	5264222	56.90	0.99	14.20	5.97	0.09	1.26	0.71	1.10	2.81					0.21	0.00	84.40	15.2	505	210
MON1005-040897	8/4/97	689907	5264222	56.10	1.02	14.60	5.90	0.12	1.30	0.71	1.20	3.03	11.60	20.10	-0.10	5.50	0.23	0.07	101.50	16.4	437	186
MON1005-080897	8/8/97	689907	5264222	55.30	1.00	14.70	5.90	0.10	1.32	0.73	1.00	3.04	11.40	20.60	-0.10	5.60	0.22	0.06	100.60	16.6	565	151
MON1005-120897	8/12/97	689907	5264222	54.30	0.95	14.50	5.80	0.10	1.30	0.78	1.00	2.97	12.50	23.80	0.10	6.50	0.23	0.07	101.20	18.5	430	141
MON1005-180897	8/18/97	689907	5264222	56.70	0.96	15.00	5.83	0.10	1.32	0.74	1.10	2.91					0.21	0.00	85.10	16.7	499	216
MON1005-250897	8/25/97	689907	5264222	55.90	0.98	15.00	6.10	0.10	1.37	0.72	1.11	3.05					0.21	0.00	84.70	16.6	638	248

blank = no data; negative values are less than detection.

See Figure 2 for monitoring station locations

UTMs are n NAD27, Zone 19.

Fe2O3T = total Fe

Sample #	ST ppm	Ag ppm	Ba ppm	Be ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Ga ppm	Hf ppm	In ppm	Mo ppm	Nb ppm	Ni ppm	Pb ppm	Rb ppm	Sc ppm	Sn ppm	Sr ppm	Ta ppm
MON1002-300797	788	0.4	460	1.3	0.25	0.3	36	170	2.6	33	16	5	0.14	1.4	18	85	20	51	22	5.4	120	1.1
MON1003-170797	731	0.1	278	1.8	0.25	0.3	30	120	2.7	11	12	9.3	0.03	2.1	22	41	24	66	13	15	75	1.4
MON1004-060797	575	0.3	2033	2	0.25	3.6	130	100	11	53	10	3.9	0.03	38	7.1	490	35	60	11	2	58	0.5
MON1004-100797	576	0.4	2486	2	0.25	4.4	150	90	10	59	10	4	0.03	41	5.8	570	37	56	11	5.8	59	0.4
MON1004-140797	532	0.3	2339	1.9	0.25	4.3	140	95	10	58	10	3.8	0.03	40	6.7	550	36	55	11	3.4	58	0.5
MON1004-170797	563	0.3	2325	2	0.25	4.2	150	97	10	58	9.7	3.7	0.03	38	6.1	550	36	57	11	3.6	58	0.4
MON1004-220797	603	0.3	2522	1.9	0.25	4.7	150	99	10	56	10	3.5	0.03	40	6.2	610	39	56	11	2.7	57	0.4
MON1004-250797	589	0.5	2196	1.9	0.25	4	140	110	10	53	9.8	3.9	0.03	38	6.8	520	33	58	11	1.2	58	0.4
MON1004-300797	629	0.3	2193	1.8	0.25	3.9	140	94	11	54	10	3.8	0.03	36	6.5	530	39	60	11	2	57	0.5
MON1004-040897	673	0.4	2101	2	0.25	3.7	130	97	11	57	10	4	0.03	36	6.6	500	39	61	12	2.1	59	0.4
MON1004-080897	593	0.5	2058	1.9	0.25	3.8	130	95	11	52	10	4.1	0.03	37	7.1	480	37	60	11	2.1	58	0.5
MON1004-120897	639	0.5	3255	2	0.6	5.9	180	91	9.1	68	9.1	3.1	0.03	43	5.3	750	38	47	10	11	55	0.4
MON1004-180897	606	0.9	2911	2	0.25	5.8	180	91	9.6	65	9.3	3.3	0.03	43	5.8	700	42	50	11	6.9	56	0.4
MON1005-060797	469	0.1	530	2.5	0.25	0.5	19	92	4.8	17	18	8.9	0.03	1.7	17	34	31	140	14	5.8	68	1.2
MON1005-100797	594	0.1	524	2.4	0.25	0.4	20	100	5.4	18	19	8.1	0.03	2.4	16	39	31	120	13	7.6	67	1
MON1005-140797	559	0.1	520	2.5	0.25	0.4	22	110	5	19	18	8.5	0.07	1.9	18	41	30	140	14	12	67	1.3
MON1005-170797	639	0.1	515	2.6	0.25	0.5	25	88	5.4	21	18	8.1	0.03	1.9	15	40	34	130	14	4.8	71	1
MON1005-220797	660	0.2	520	2.3	0.25	0.7	21	98	5.4	19	18	9.1	0.03	1.7	19	34	40	150	13	16	70	1.3
MON1005-250797	411	0.1	540	2.5	0.25	0.4	21	120	5.1	18	18	8.8	0.07	1.8	19	41	29	140	14	9.9	66	1.3
MON1005-300797	518	0.1	520	2.4	0.25	0.5	20	92	5.2	18	18	8.6	0.09	1.7	14	37	31	140	13	7.6	67	1
MON1005-040897	564	0.1	530	2.4	0.25	0.4	21	99	5.4	19	19	9.1	0.07	2.1	20	38	33	130	14	11	70	1.4
MON1005-080897	587	0.1	557	2.4	0.25	0.4	21	93	5.2	18	18	9.1	0.06	4.9	17	35	33	120	14	4.1	70	1.2
MON1005-120897	641	0.1	513	2.3	0.25	0.4	20	100	5.3	19	17	9.3	0.06	1.9	19	35	32	120	14	5.5	71	1.3
MON1005-180897	614	0.1	560	2.4	0.25	0.8	23	97	5.5	19	20	9.1	0.06	1.7	20	38	32	150	13	8.8	68	1.3
MON1005-250897	603	0.2	550	2.5	0.25	0.6	19	95	5.2	19	18	8.9	0.07	2.1	20	37	34	140	14	7.6	69	1.4

Sample #	Th ppm	Tl ppm	U ppm	V ppm	Y ppm	Zn ppm	Zr ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm
MON1002-300797	5.3	0.44	2.3	170	40	220	200	36	59	10	42	8.30	2.00	8.20	1.20	6.90	1.30	3.20	0.49	3.10	0.49
MON1003-170797	6.8	0.53	4.9	100	40	130	361	29	59	7.80	31	6.50	1.10	5.90	0.94	5.80	1.10	3.40	0.53	3.70	0.57
MON1004-060797	5.6	3.70	9.4	83	49	1200	169	31	62	11	46	9.70	1.80	9.20	1.40	7.80	1.60	4.20	0.60	3.70	0.58
MON1004-100797	5.2	4.40	10	78	50	1400	161	32	62	10	48	10	2.00	9.90	1.50	8.30	1.60	4.00	0.60	4.00	0.59
MON1004-140797	5.2	4.50	10	79	49	1400	157	31	63	11	47	10	1.70	9.60	1.40	8.00	1.60	4.20	0.59	3.70	0.57
MON1004-170797	5.1	4.30	10	80	51	1400	166	33	64	11	45	10	2.00	10	1.50	8.20	1.60	4.10	0.61	3.80	0.59
MON1004-220797	5.3	4.60	11	76	51	1500	156	34	65	11	46	11	2.00	11	1.60	8.70	1.60	4.30	0.62	3.80	0.61
MON1004-250797	5.5	4.00	9.3	81	49	1300	165	33	63	10	46	10	1.90	9.70	1.50	7.80	1.60	4.10	0.60	3.80	0.61
MON1004-300797	5.6	4.10	9.7	80	49	1300	163	33	65	10	46	10	2.00	11	1.60	8.70	1.60	4.30	0.62	4.00	0.60
MON1004-040897	5.8	3.80	11	82	55	1200	163	34	61	11	50	11	2.10	10	1.60	8.90	1.70	4.70	0.67	4.20	0.66
MON1004-080897	6	3.80	10	81	51	1200	164	32	62	11	46	10	1.90	9.50	1.40	8.40	1.60	4.10	0.61	3.80	0.63
MON1004-120897	4.8	5.60	11	69	51	1700	132	35	65	11	52	11	1.90	11	1.60	8.90	1.70	4.30	0.64	4.00	0.68
MON1004-180897	5.1	5.50	11	73	52	1600	143	36	69	12	50	12	2.10	11	1.70	8.90	1.80	4.60	0.68	4.10	0.63
MON1005-060797	22	0.97	5	94	58	280	370	87	170	22	84	18	3.10	15	2.20	11	2.10	5.60	0.86	5.20	0.78
MON1005-100797	17	0.93	5	88	65	270	311	69	140	18	70	15	2.50	13	1.90	10	2.00	5.60	0.86	5.30	0.80
MON1005-140797	17	0.88	4.7	92	59	290	360	71	140	19	72	14	2.40	12	1.80	9.90	1.90	5.50	0.82	5.30	0.79
MON1005-170797	17	0.98	5.5	93	67	280	305	73	140	19	75	16	2.70	14	2.10	12	2.20	5.90	0.92	5.90	0.91
MON1005-220797	17	0.90	5	87	67	300	370	80	160	21	81	15	2.50	13	2.00	11	2.00	5.60	0.84	5.20	0.82
MON1005-250797	18	0.90	4.4	94	60	250	370	77	160	21	78	15	2.50	13	1.90	10	2.00	5.20	0.81	5.30	0.78
MON1005-300797	18	0.88	4.8	89	68	320	350	82	160	21	80	15	2.70	14	2.10	11	2.20	6.00	0.90	5.50	0.86
MON1005-040897	19	1.00	5.3	93	70	270	335	83	160	22	83	16	2.80	15	2.10	12	2.30	6.20	0.94	6.00	0.90
MON1005-080897	20	1.10	5.2	91	67	290	340	84	160	21	80	17	3.10	15	2.30	12	2.40	6.60	1.00	6.00	0.92
MON1005-120897	18	0.97	5.3	89	61	300	317	73	140	20	77	15	2.70	14	2.20	11	2.20	5.90	0.90	5.60	0.90
MON1005-180897	17	0.91	5.2	89	69	300	360	74	150	20	75	14	2.40	13	2.00	10	2.20	6.10	0.91	5.80	0.87
MON1005-250897	16	0.94	4.8	91	62	270	370	71	140	20	75	14	2.40	13	1.80	9.90	1.90	5.20	0.83	5.10	0.81