

Appendix 3

Particle size of selected sediment samples from cores collected in the Otsego City impoundment on the Kalamazoo River at Otsego, Mich.

Appendix 3. Particle size of selected sediment samples from cores collected in the Otsego City impoundment on the Kalamazoo River at Otsego, Mich.

[Particle sizes are tallied both greater than and less than or equal to; mm, millimeters; --, no data.]

Sedi- ment core number (fig. 2b)	Depth of sample interval below streambed (feet)	Percentage of sample within sieve size fraction, in mm								
		>16 (pebble)	≤16 and >4 (medium to coarse gravel)	≤4 and >2 (fine gravel)	≤2 and >1 (very coarse sand)	≤1 and >0.5 (coarse sand)	≤0.5 and >0.25 (medium sand)	≤0.25 and >0.125 (fine sand)	≤0.125 and >0.063 (very fine sand)	≤0.063 (silt/ clay)
SC-A4-1	0-0.9	0.00	6.52	0.00	3.34	2.47	4.28	13.54	25.44	44.41
SC-A7-1	0-2.5	.00	.00	4.99	5.23	7.63	19.44	35.64	11.92	15.15
SC-A8-1	0-0.6	21.44	8.25	10.57	9.09	6.78	11.67	25.06	5.83	1.31
SC-A9-1	0-0.5	.00	1.61	.22	1.16	4.66	31.00	24.87	4.93	31.54
SC-A10-1	0-1.5	.00	2.44	.42	2.65	4.54	22.61	38.10	12.84	16.40
SC-A10-2	1.5-2.0	--	--	--	--	--	--	--	--	--
SC-A11-1	0-1.0	.00	.00	.00	.09	3.58	67.50	27.90	.80	.13
SC-A11-2	1.0-2.0	.00	11.59	5.44	8.31	17.45	34.80	18.47	3.34	.60
SC-A11-3	2.0-4.0	.00	2.86	12.02	16.18	22.13	36.91	8.98	.59	.33
SC-A12-1	0-4.8	.00	.00	.79	2.75	5.10	8.15	21.10	17.03	45.09
SC-A12-2	4.8-6.4	--	--	--	--	--	--	--	--	--
SC-A13-1	0-3.0	.00	.35	4.33	16.06	38.49	34.53	6.01	.20	.03
SC-A13-2	3.0-4.5	.00	.00	3.44	2.65	3.09	4.32	2.65	2.56	81.29
SC-A13-3	4.5-7.0	.00	.02	.20	1.04	9.15	71.54	17.00	.70	.34
SC-B1-1	0-3.0	1.47	14.25	29.81	18.85	12.69	14.30	7.27	1.20	.15
SC-B1-2	3.0-9.5	.00	.00	31.16	12.50	11.18	15.54	12.65	2.58	14.38
SC-B2-1	0-0.7	.00	32.17	10.94	7.74	7.36	12.65	12.65	5.73	10.77
SC-B2-2	0.7-1.3	.00	.00	2.62	3.16	9.20	29.23	25.56	6.99	23.23
SC-B3-1	0-1.4	.00	.00	.41	2.27	3.98	17.81	27.22	14.69	33.63
SC-B3-2	1.4-2.0	--	--	--	--	--	--	--	--	--
SC-B4-1	0-4.5	.00	11.57	5.25	4.14	6.99	17.16	11.68	6.43	36.78
SC-B6-1	0-2.2	.00	.00	.60	2.17	2.68	13.44	25.95	13.27	41.90
SC-C4-1	0-1.5	.00	.00	.43	1.00	1.92	4.63	13.96	10.97	67.09
SC-C5-1	0-1.1	.00	3.13	3.07	4.81	9.84	21.13	18.65	7.76	31.62

Appendix 3. Particle size of selected sediment samples from cores collected in the Otsego City impoundment on the Kalamazoo River at Otsego, Mich.--Continued

[Particle sizes are tallied b] than; ≤ less than or equal to; mm, millimeters; --, no data.]

Sedi- ment core number (fig. 2b)	Depth of sample interval below streambed (feet)	Percentage of sample within sieve size fraction, in mm								
		>16 (pebble)	≤16 and >4 (medium to coarse gravel)	≤4 and >2 (fine gravel)	≤2 and >1 (very coarse sand)	≤1 and >0.5 (coarse sand)	≤0.5 and >0.25 (medium sand)	≤0.25 and >0.125 (fine sand)	≤0.125 and >0.063 (very fine sand)	≤0.063 (silt/ clay)
SC-C6-1	0-1.5	0.00	0.00	5.55	3.66	5.84	15.92	17.39	5.88	45.76
SC-C7-1	0-1.0	.00	.00	.44	.95	1.69	9.18	14.83	11.38	61.53
SC-C9-1	0-1.0	.00	7.85	5.70	13.40	18.30	21.94	15.66	4.52	12.63
SC-C9-2	1.0-1.5	.00	.00	6.58	11.01	13.64	25.23	15.93	3.60	24.01
SC-C10-1	0-0.5	5.92	40.64	14.47	5.51	4.69	21.01	7.04	.45	.28
SC-C10-2	0.5-1.5	.00	.00	1.31	.51	.56	1.16	2.12	5.26	89.09
SC-C11-1	0-2.0	.00	.00	.66	.73	1.12	1.52	2.11	3.63	90.22
SC-C11-2	2.0-4.1	.00	19.56	12.37	13.00	14.48	20.23	16.03	2.43	1.90
SC-C12-1	0-4.3	.00	2.90	2.57	1.74	3.31	29.25	37.37	6.84	16.03
SC-C13-1	0-1.6	.00	1.43	4.41	6.33	8.24	24.02	46.66	5.87	3.04
SC-C13-2	1.6-4.4	.00	5.12	5.59	4.78	3.48	20.23	54.04	5.57	1.19
SC-D2-1	0-0.5	.00	9.75	16.06	9.98	7.38	15.26	31.57	8.72	1.28
SC-D2-2	0.5-4.6	--	--	--	--	--	--	--	--	--
SC-D4-1	0-0.9	.00	41.13	25.62	6.78	4.21	15.17	6.15	.64	.30
SC-D4-2	0.9-4.8	.00	12.11	12.16	7.90	13.15	44.06	9.60	.62	.41
SC-D5-1	0-0.1	1.02	8.76	15.77	23.36	14.92	20.26	14.47	1.36	.06
SC-D5-2	0.1-4.2	.00	.00	6.94	28.02	13.65	6.07	7.89	4.17	33.26
SC-D7-1	0-3.6	.00	.93	.71	1.42	3.39	25.05	33.73	7.08	27.69
SC-E1-1	0-3.5	.00	1.10	3.10	2.27	9.30	19.24	15.76	5.63	43.61
SC-E1-2	3.5-6.3	.00	2.26	8.17	13.62	26.33	38.11	8.60	1.61	1.31
SC-E2-1	0-3.5	.00	.51	2.17	3.09	11.10	44.23	32.87	4.52	1.50
SC-E3-1	0-4.5	.00	.00	.00	4.98	5.90	13.11	8.78	7.99	59.24
SC-F1-1	0-3.6	.00	.00	7.00	15.31	11.59	4.84	1.86	4.13	55.26
SC-F1-2	3.6-7.1	.00	.00	3.39	4.30	3.14	8.24	50.99	8.35	21.60

Appendix 3. Particle size of selected sediment samples from cores collected in the Otsego City impoundment on the Kalamazoo River at Otsego, Mich.--Continued

[Particle sizes are tallied below
than; ≤ less than or equal to; mm, millimeters; --, no data.]

Sedi- ment core number (fig. 2b)	Depth of sample interval below streambed (feet)	Percentage of sample within sieve size fraction, in mm								
		>16 (pebble)	≤16 and >4 (medium to coarse gravel)	≤4 and >2 (fine gravel)	≤2 and >1 (very coarse sand)	≤1 and >0.5 (coarse sand)	≤0.5 and >0.25 (medium sand)	≤0.25 and >0.125 (fine sand)	≤0.125 and >0.063 (very fine sand)	≤0.063 (silt/ clay)
SC-F2-1	0-1.7	0.00	0.00	3.03	3.03	3.74	9.03	7.76	3.63	69.77
SC-F2-2	1.7-3.4	.00	1.18	4.87	11.97	31.70	41.95	7.30	.55	.48
SC-F3-1	0-4.9	.00	.00	2.17	3.26	6.68	23.89	32.14	6.19	25.68
SC-F3-2	4.9-7.9	.00	.00	6.00	7.06	5.41	7.06	19.42	16.01	39.02
SC-F4-1	0-2.8	.00	.38	5.24	20.23	28.20	36.41	9.25	.21	.08
SC-F4-2	2.8-3.8	.00	.00	1.93	6.00	8.84	19.77	35.21	6.16	22.08
SC-F4-3	3.8-5.5	.00	.00	1.56	6.23	11.19	24.22	29.04	4.91	22.85
SC-F5-1	0-0.9	.00	7.00	33.24	34.16	15.51	7.72	1.70	.50	.17
SC-F5-2	0.9-5.4	.00	.49	13.41	23.66	11.22	12.73	12.29	3.61	22.59
SC-F6-1	0-0.5	.00	1.71	5.59	9.33	19.94	40.95	20.40	1.59	.50
SC-F6-2	0.5-2.9	.00	.00	.86	3.85	7.20	11.41	21.68	14.62	40.37
SC-F6-3	2.9-3.7	.00	.00	31.44	9.67	8.19	20.62	14.09	3.86	12.13
SC-F7-1	0-1.2	.00	11.41	14.89	12.35	6.42	9.08	6.34	.82	38.69
SC-F7-2	1.2-4.4	.00	.00	14.96	7.46	4.99	5.11	10.02	12.37	45.09
SC-F7-3	4.4-6.0	.00	.00	19.77	12.55	14.55	24.23	6.67	2.56	19.67
SC-F8-1	0-0.5	.00	.00	3.61	3.57	9.84	17.70	31.78	11.56	21.94
SC-F8-2	0.5-2.3	.00	.00	13.59	5.15	4.44	7.59	30.26	12.96	26.00
SC-F8-3	2.3-3.7	.00	.00	8.85	8.33	13.04	28.50	21.41	4.23	15.64
SC-F9-1	0-3.0	.00	17.55	45.73	23.58	6.06	3.87	2.38	.57	.26
SC-F9-2	3.0-4.1	.00	.00	23.00	12.57	5.71	4.71	18.93	11.36	23.71
SC-F10-1	0-1.9	.00	.00	2.34	2.91	1.85	5.18	20.10	7.95	59.66
SC-F10-2	1.9-3.0	.00	.00	14.34	11.00	5.50	9.06	26.68	6.15	27.28
SC-F11-1	0-2.1	.00	14.46	29.92	25.83	14.72	11.73	3.11	.15	.08
SC-F11-2	2.1-4.6	.00	.05	1.57	8.08	33.49	49.44	7.00	.24	.12

Appendix 3. Particle size of selected sediment samples from cores collected in the Otsego City impoundment on the Kalamazoo River at Otsego, Mich.--Continued

[Particle sizes are tallied b]l
 than; ≤ less than or equal to; mm, millimeters; --, no data.]

Sedi- ment core number (fig. 2b)	Depth of sample interval below streambed (feet)	Percentage of sample within sieve size fraction, in mm								
		>16 (pebble)	≤16 and >4 (medium to coarse gravel)	≤4 and >2 (fine gravel)	≤2 and >1 (very coarse sand)	≤1 and >0.5 (coarse sand)	≤0.5 and >0.25 (medium sand)	≤0.25 and >0.125 (fine sand)	≤0.125 and >0.063 (very fine sand)	≤0.063 (silt/ clay)
SC-F11-3	4.6-7.1	0.00	2.16	3.54	3.67	18.37	37.92	12.17	1.33	20.84
SC-F12-1	0-1.0	.00	4.88	35.41	36.12	14.63	6.17	1.95	.74	.10
SC-F12-2	1.0-3.8	.00	.00	28.88	26.93	4.44	4.34	4.93	.63	29.85
SC-F13-1	0-1.0	.00	4.58	19.42	38.63	26.25	9.91	.92	.17	.12
SC-F13-2	1.0-5.8	.00	.00	12.04	24.19	22.44	6.56	.62	.23	33.92
SC-G1-1	0-0.5	.00	2.36	9.16	10.93	17.25	46.19	12.00	1.45	.65
SC-G1-2	0.5-7.5	.00	.39	3.10	3.25	5.65	18.13	9.30	1.47	58.71
SC-G2-1	0-0.5	.00	11.03	30.88	25.31	16.16	14.12	2.35	.09	.04
SC-G2-2	0.5-5.5	.00	.56	2.07	13.60	38.72	36.37	7.85	.62	.22
SC-G2-3	5.5-7.5	.00	.00	2.31	3.03	4.09	14.90	34.01	8.11	33.55
SC-G3-1	0-1.0	.00	.28	1.44	2.96	7.06	46.15	38.71	2.79	.63
SC-G3-2	1.0-4.0	.00	.43	5.10	4.01	3.64	8.20	12.08	9.11	57.44
SC-G3-3	4.0-6.0	.00	.00	.59	1.55	6.98	46.83	28.77	2.40	12.89
SC-G4-1	0-0.5	.55	6.16	17.50	22.06	19.47	21.93	11.81	.43	.08
SC-G4-2	0.5-4.0	.00	.48	4.55	27.18	39.19	24.45	2.46	1.35	.34
SC-G4-3	4.0-5.0	.00	2.14	2.55	9.31	9.56	7.83	3.54	4.70	60.38
SC-G5-1	0-1.0	.00	6.22	22.80	21.71	21.55	24.63	2.69	.23	.17
SC-G5-2	1.0-4.0	.81	3.43	11.95	10.87	18.26	48.46	6.01	.12	.10
SC-G5-3	4.0-6.0	.00	.74	6.86	8.53	9.09	9.93	1.86	1.21	61.78
SC-G6-1	0-1.0	.00	15.34	20.66	27.42	12.91	16.82	6.17	.45	.23
SC-G6-2	1.0-2.5	.00	.00	.00	2.10	3.41	15.86	43.83	8.41	26.38
SC-G6-3	2.5-3.5	.00	4.78	5.49	4.07	2.75	9.74	31.18	7.17	34.81
SC-G7-1	0-1.0	.00	4.59	14.79	20.41	24.63	24.63	9.06	1.46	.43
SC-G7-2	1.0-2.5	.00	.00	3.73	5.62	9.47	14.59	26.95	11.14	28.51

Appendix 3. Particle size of selected sediment samples from cores collected in the Otsego City impoundment on the Kalamazoo River at Otsego, Mich.--Continued

[Particle sizes are tallied below
than; ≤ less than or equal to; mm, millimeters; --, no data.]

Sedi- ment core number (fig. 2b)	Depth of sample interval below streambed (feet)	Percentage of sample within sieve size fraction, in mm								
		>16 (pebble)	≤16 and >4 (medium to coarse gravel)	≤4 and >2 (fine gravel)	≤2 and >1 (very coarse sand)	≤1 and >0.5 (coarse sand)	≤0.5 and >0.25 (medium sand)	≤0.25 and >0.125 (fine sand)	≤0.125 and >0.063 (very fine sand)	≤0.063 (silt/ clay)
SC-G7-3	2.5-3.5	0.00	0.00	9.74	4.02	5.04	14.44	28.34	6.20	32.22
SC-G8-1	0-2.5	.00	17.89	25.16	15.41	7.68	8.41	19.78	4.95	.72
SC-G8-2	2.5-7.0	.00	2.32	12.01	8.08	5.58	15.89	32.86	6.83	16.43
SC-G8-3	7.0-8.0	.00	.64	8.52	11.03	7.02	19.87	30.69	6.53	15.69
SC-G9-1	0-1.0	19.83	40.64	12.74	4.22	1.89	3.23	12.46	3.49	1.50
SC-G9-2	1.0-7.0	.00	.00	.16	1.38	1.06	3.53	18.55	16.61	58.71
SC-G9-3	7.0-8.0	.00	.00	3.14	2.43	6.74	27.22	25.02	8.36	27.09
SC-G10-1	0-4.0	.00	.00	.92	10.16	2.31	10.03	52.20	13.13	11.25
SC-G10-2	4.0-7.5	.00	.00	1.59	1.88	4.27	30.21	29.36	4.41	28.28
SC-H1-1	0-5.6	.00	.00	.07	1.10	5.38	58.86	29.30	2.72	2.57
SC-H1-2	5.6-6.6	.00	.00	10.67	4.47	4.52	6.99	10.40	9.72	53.23
SC-H2-1	0-0.6	.00	.28	.51	2.52	23.38	59.39	13.48	.40	.04
SC-H2-2	0.6-7.6	.00	.00	.53	1.27	1.17	1.48	1.80	3.87	89.88
SC-H2-3	7.6-8.9	.00	1.86	2.46	8.26	23.96	38.02	7.01	1.39	17.04
SC-H3-1	0-1.0	.00	.31	.79	4.00	17.13	65.98	11.58	.17	.03
SC-H3-2	1.0-2.7	.00	2.19	7.26	18.53	36.78	30.18	4.91	.10	.05
SC-H3-3	2.7-7.2	.00	.17	2.93	7.65	16.02	24.85	17.29	6.63	24.47
SC-H4-1	0-0.5	.00	.57	1.38	2.85	10.98	65.30	17.20	1.32	.39
SC-H4-2	0.5-3.6	.00	5.21	6.28	7.43	15.49	49.51	13.94	1.54	.59
SC-H4-3	3.6-3.8	.00	.00	1.32	2.84	13.86	45.23	19.38	2.48	14.90
SC-H5-1	0-0.5	.00	3.05	9.86	10.78	11.51	35.51	27.51	1.49	.29
SC-H5-2	0.5-4.1	.00	1.86	14.75	12.76	16.98	25.53	16.36	7.56	4.21
SC-H5-3	4.1-4.8	.00	6.47	7.08	5.35	9.72	30.05	23.09	1.85	16.38
SC-I1-1	0-0.1	24.84	46.20	16.20	6.54	2.86	2.19	.97	.12	.08

Appendix 3. Particle size of selected sediment samples from cores collected in the Otsego City impoundment on the Kalamazoo River at Otsego, Mich.--Continued

[Particle sizes are tallied b]l
 than; ≤ less than or equal to; mm, millimeters; --, no data.]

Sedi- ment core number (fig. 2b)	Depth of sample interval below streambed (feet)	Percentage of sample within sieve size fraction, in mm								
		>16 (pebble)	≤16 and >4 (medium to coarse gravel)	≤4 and >2 (fine gravel)	≤2 and >1 (very coarse sand)	≤1 and >0.5 (coarse sand)	≤0.5 and >0.25 (medium sand)	≤0.25 and >0.125 (fine sand)	≤0.125 and >0.063 (very fine sand)	≤0.063 (silt/ clay)
SC-I1-2	0.1-6.5	0.00	12.27	9.57	3.69	1.70	1.28	2.62	4.54	64.33
SC-I1-3	6.5-7.5	.00	4.71	11.35	7.38	5.45	6.30	17.48	12.88	34.45
SC-I2-1	0-2.7	.00	.00	.00	1.45	2.68	7.52	29.65	11.42	47.29
SC-I2-2	2.7-5.7	.00	.00	4.75	1.39	1.39	7.76	44.15	9.56	31.00
SC-I3-1	0-2.2	.00	.00	.00	4.56	.77	25.70	23.62	8.88	36.47
SC-I3-2	2.2-4.7	.00	.35	5.96	22.08	26.59	19.35	6.66	5.96	13.04
SC-I4-1	0-1.5	.00	.00	3.59	2.27	4.15	12.37	36.83	8.22	32.58
SC-I4-2	1.5-2.8	.00	1.96	2.74	6.12	20.42	33.73	15.56	3.63	15.84
SC-I5-1	0-0.9	.00	20.86	39.57	16.46	8.98	8.28	4.95	.63	.29
SC-I5-2	0.9-1.7	.00	3.66	6.95	5.47	5.74	17.09	23.07	9.87	28.16
SC-I5-3	1.7-3.1	.00	11.64	11.05	8.17	8.17	20.75	15.78	4.58	19.88
SC-I6-1	0-0.2	.00	19.58	33.83	15.07	10.51	13.14	6.41	.97	.49
SC-I6-2	0.2-2.3	.00	.00	2.60	2.03	3.56	9.79	14.11	9.41	58.51
SC-I6-3	2.3-3.6	.00	.00	3.43	2.52	6.66	32.38	24.73	4.26	26.01
SC-I7-1	0-0.2	.00	34.90	23.14	7.39	3.51	2.50	5.34	4.89	18.33
SC-I7-2	0.2-3.4	.00	3.40	4.98	2.69	4.14	9.87	23.64	10.44	40.82
SC-I8-1	0-5.1	.00	.00	3.32	3.32	4.14	9.96	21.24	27.19	30.83
SC-I8-2	5.1-6.3	.00	5.49	8.14	7.28	7.57	9.46	18.40	16.27	27.39
SC-I9-1	0-0.5	.00	1.20	13.38	26.06	26.61	19.87	11.24	1.23	.41
SC-I9-2	0.5-4.4	.00	.00	3.69	9.54	11.48	10.83	9.43	4.45	50.59
SC-I9-3	4.4-7.4	.00	.23	4.35	14.79	29.86	39.45	9.23	1.05	1.04
SC-I10-1	0-2.5	.00	6.03	16.12	18.87	16.89	21.19	18.20	2.19	.50
SC-I10-2	2.5-7.5	.00	1.06	6.14	7.00	3.73	3.22	18.63	17.62	42.60
SC-I10-3	7.5-8.5	.00	.00	2.35	4.55	4.15	5.64	16.38	14.97	51.96

Appendix 3. Particle size of selected sediment samples from cores collected in the Otsego City impoundment on the Kalamazoo River at Otsego, Mich.--Continued

[Particle sizes are tallied b]
 than; ≤ less than or equal to; mm, millimeters; --, no data.]

Sedi- ment core number (fig. 2b)	Depth of sample interval below streambed (feet)	Percentage of sample within sieve size fraction, in mm								
		>16 (pebble)	≤16 and >4 (medium to coarse gravel)	≤4 and >2 (fine gravel)	≤2 and >1 (very coarse sand)	≤1 and >0.5 (coarse sand)	≤0.5 and >0.25 (medium sand)	≤0.25 and >0.125 (fine sand)	≤0.125 and >0.063 (very fine sand)	≤0.063 (silt/ clay)
SC-I11-1	0-8.3	--	--	--	--	--	--	--	--	--
SC-I11-2	8.3-11.0	0.00	0.00	6.56	6.73	9.25	13.46	11.94	7.15	44.91
SC-I12-1	0-5.9	--	--	--	--	--	--	--	--	--
SC-I12-2	5.9-7.0	.00	1.09	10.66	6.74	7.32	7.14	9.97	6.57	50.52
SC-I13-1	0-4.4	.00	1.29	4.79	2.93	2.62	4.79	38.42	22.94	22.23
SC-I13-2	4.4-5.5	.00	1.39	5.00	10.85	18.39	43.95	12.71	1.57	6.14
SC-I14-1	0-1.3	.00	.00	.40	.57	1.08	13.28	55.05	9.36	20.26
SC-I14-2	1.3-3.1	.00	.00	1.43	1.28	2.26	13.61	41.73	7.97	31.73
SC-I15-1	0-1.0	.00	5.96	27.68	19.22	14.06	15.43	14.83	2.09	.73
SC-I15-2	1.0-1.9	.00	.00	2.64	2.00	1.82	8.56	51.43	7.42	26.13
SC-I15-3	1.9-2.8	.00	.00	1.15	.92	.92	7.66	49.90	10.64	28.81
SC-I16-1	0-1.0	.00	.97	4.48	11.12	19.31	31.40	28.81	3.13	.77
SC-I16-2	1.0-4.0	.00	.00	.20	.84	1.88	12.86	36.46	13.42	34.33
SC-I16-3	4.0-7.1	.00	.00	2.78	3.19	4.28	12.48	42.12	6.15	29.01
SC-J1-1	0-3.2	.00	.00	.00	2.67	1.98	1.98	3.01	4.99	85.37
SC-J1-2	3.2-7.5	.00	.00	4.54	1.42	1.38	19.03	38.59	7.69	27.35
SC-J2-1	0-8.5	.00	.69	1.63	1.75	1.19	2.00	4.19	5.26	83.29
SC-J2-2	8.5-9.3	.00	20.82	19.07	16.85	9.78	7.30	6.74	1.52	17.91
SC-J3-1	0-6.0	.00	.00	1.16	2.39	1.89	.94	1.52	3.55	88.54
SC-J3-2	6.0-7.5	.00	16.21	22.54	18.58	17.84	11.34	1.00	.39	12.10