

**Table 10.** Results of analyses of selected physical properties for bottom-sediment cores collected in May 1998 from Kirwin Reservoir, Webster Reservoir, and Waconda Lake

[ft, feet; lb/ft<sup>3</sup>, pounds per cubic foot]

Core-sample identification	Sample interval (ft)	Percentage of silt and clay	Percentage of sand	Bulk density (lb/ft <sup>3</sup> )	Percentage of moisture
<b>Kirwin Reservoir bottom-sediment cores (fig. 2A)</b>					
KIR 1.4	6.5–7.9 (top)	98.9	1.1	27.5	65.5
	5.9–6.5	97.7	2.3	38.1	60.0
	5.5–5.9	98.8	1.2	38.2	58.5
	4.7–5.5	99.7	.3	34.7	61.4
	4.2–4.7	98.8	1.2	44.2	54.2
	3.9–4.2	99.7	.3	41.7	56.1
	3.5–3.9	100.0	0	42.6	54.3
	2.7–3.5	99.9	.1	45.4	52.0
	2.2–2.7	99.8	.2	44.2	52.6
	0.92–2.2	100.0	0	44.5	46.9
	0.46–0.92	100.0	0	43.5	49.6
0–0.46 (bottom)	99.9	.1	42.7	53.0	
KIR 2.1	2.7–3.2 (top)	99.4	.6	30.9	63.1
	2.5–2.7	99.8	.2	37.0	57.3
	2.2–2.5	98.9	1.1	34.1	58.8
	1.9–2.2	98.9	1.1	33.0	60.3
	1.5–1.9	99.6	.4	35.8	59.3
	1.3–1.5	99.7	.3	40.2	54.5
	1.0–1.3	99.9	.1	35.4	57.6
	0.5–1.0	99.9	.1	42.8	54.1
	0–0.5 (bottom)	99.3	.7	50.4	46.8
<b>Webster Reservoir bottom-sediment cores (fig. 2B)</b>					
WEB 1.1	5.6–6.7 (top)	99.2	.8	27.3	63.7
	5.2–5.6	99.2	.8	31.8	61.7
	4.6–5.2	99.4	.6	35.1	57.1
	3.9–4.6	100.0	0	40.9	57.0
	3.2–3.9	99.8	.2	32.0	61.9
	2.7–3.2	100.0	0	35.4	57.0
	2.2–2.7	100.0	0	31.7	58.0
	1.9–2.2	100.0	0	34.2	56.1
	1.7–1.9	100.0	0	33.9	57.8
	0.71–1.7	99.8	.2	38.0	54.3
	0.42–0.71	100.0	0	35.3	56.3
	0.21–0.42 (bottom)	99.9	.1	48.6	46.6
WEB 2.1	6.7–7.2 (top)	98.9	1.1	21.1	72.9
	6.0–6.7	99.3	.7	29.4	66.6

**Table 10.** Results of analyses of selected physical properties for bottom-sediment cores collected in May 1998 from Kirwin Reservoir, Webster Reservoir, and Waconda Lake—Continued

Core-sample identification	Sample interval (ft)	Percentage of silt and clay	Percentage of sand	Bulk density (lb/ft <sup>3</sup> )	Percentage of moisture
Webster Reservoir bottom-sediment cores (fig. 2B)—Continued					
WEB 2.1	5.5–6.0	99.8	0.2	25.6	65.6
	4.5–5.5	99.8	.2	35.0	61.6
	4.2–4.5	100.0	0	34.1	60.9
	3.2–4.2	99.9	.1	37.5	60.4
	3.0–3.2	100.0	0	37.5	55.9
	2.8–3.0	99.9	.1	36.0	63.8
	2.2–2.8	100.0	0	45.4	53.6
	2.0–2.2	100.0	0	35.1	61.8
	1.4–2.0	100.0	0	39.8	55.3
	0–1.4 (bottom)	100.0	0	41.1	56.2
WEB 3.3	1.8–2.8 (top)	99.2	.8	25.1	67.8
	1.1–1.8	99.8	.2	33.7	62.1
	0.8–1.1	83.9	16.1	48.0	50.8
	0.3–0.8	41.8	58.2	101.9	20.6
	0–0.3* (bottom)	4.0	96.0	115.0	13.9
WEB 4.1	2.7–2.9 (top)	10.2	89.8	92.7	10.2
	2.0–2.7	3.9	96.1	120.2	10.6
	1.2–2.0	1.0	99.0	141.8	15.3
	0.6–1.2	1.9	98.1	129.2	14.3
	0–0.6* (bottom)	33.0	67.0	95.2	19.6
WEB 5.2	3.5–4.4 (top)	99.5	.5	75.9	44.3
	2.5–3.5	88.7	11.3	63.5	45.6
	1.4–2.5	100.0	0	51.7	53.8
	0.5–1.4	100.0	0	43.7	55.8
	0–0.5 (bottom)	100.0	0	40.6	56.5
WEB 6.1	2.2–2.8 (top)	6.9	93.1	133.3	15.0
	1.7–2.2	4.6	95.4	125.2	15.1
	1.2–1.7	5.8	94.2	121.6	16.1
	0.6–1.2	21.3	78.7	110.6	19.0
	0–0.6 (bottom)	21.9	78.1	97.1	17.8
WEB 7.2	1.2–1.8 (top)	98.6	1.4	46.0	42.9
	0.8–1.2	98.4	1.6	60.7	33.7
	0.3–0.8	95.0	5.0	63.8	33.6
	0.2–0.3	26.9	73.1	82.1	28.2
	0–0.2 (bottom)	93.5	6.5	72.8	26.9
WEB 10.1	1.0–1.6 (top)	32.4	67.6	93.1	23.7

**Table 10.** Results of analyses of selected physical properties for bottom-sediment cores collected in May 1998 from Kirwin Reservoir, Webster Reservoir, and Waconda Lake—Continued

Core-sample identification	Sample interval (ft)	Percentage of silt and clay	Percentage of sand	Bulk density (lb/ft <sup>3</sup> )	Percentage of moisture
Webster Reservoir bottom-sediment cores (fig. 2B)—Continued					
WEB 10.1	0.5–1.0	46.8	53.2	94.8	23.7
	0–0.5 (bottom)	57.1	42.9	96.1	22.6
WEB 11.3	0.8–1.4 (top)	70.7	29.3	76.3	26.9
	0–0.8* (bottom)	89.4	10.6	75.7	27.7
Waconda Lake bottom-sediment cores (fig. 2C)					
WAC 1.1	5.8–6.1 (top)	99.8	.2	27.3	62.4
	5.4–5.8	99.8	.2	29.8	62.5
	4.9–5.4	99.8	.2	27.1	63.4
	4.1–4.9	99.9	.1	26.8	65.5
	3.4–4.1	99.8	.2	29.3	62.7
	2.9–3.5	99.9	.1	27.7	64.3
	2.4–2.9	99.9	.1	29.7	65.8
	2.1–2.4	99.8	.2	29.9	60.7
	1.7–2.1	99.9	.1	32.0	59.9
	1.0–1.7	99.8	.2	41.4	53.6
	0.71–1.0	99.8	.2	42.5	52.9
	0–0.71 (bottom)	99.1	.9	47.0	45.1
	WAC 3.2	6.4–7.0 (top)	99.9	0.1	21.6
5.8–6.4		99.9	.1	25.0	68.6
5.1–5.8		99.8	.2	29.2	67.0
4.7–5.1		100.0	0	27.8	67.5
4.1–4.7		100.0	0	22.0	67.7
3.6–4.1		99.9	.1	30.0	66.9
3.0–3.6		99.9	.1	33.6	63.5
2.4–3.0		100.0	0	28.9	67.2
1.8–2.4		99.9	.1	22.0	64.5
1.2–1.8		99.9	.1	35.9	59.3
0.92–1.2		99.9	.1	30.1	57.3
0–0.92 (bottom)		100.0	0	43.7	46.3

\*Sample intervals containing original channel-bed or soil-surface material.