

**TABLE 3. DEPTH PROFILE DATA
for Lake Redman, York County
(DEP, 1997)**

Date	Area	Depth (m)	Temperature		DO (ppm)	pH	Conductivity mmhos
			C°	F°			
4/22/1997 *	DAM Ch 93 criteria *temperature : CWF = 52 F° WWF = 58 F° <u>lake DO criteria:</u> CWF = 5 mg/l (any point) WWF = 4 mg/l (epilimnion) <u>pH criterion:</u> 6-9	surface	10.6	51.2	12.71	7.88	190
		1.0	10.6	51.2	12.45	7.97	190
		2.0	10.6	51.1	12.35	8.00	190
		3.0	10.6	51.1	12.28	8.02	190
		4.0	10.5	50.9	12.12	8.00	190
		5.0	10.2	50.4	11.80	7.89	190
		6.0	10.1	50.2	11.40	7.79	190
		7.0	10.0	50.0	11.11	7.69	190
		8.0	10.0	50.0	10.96	7.65	190
		9.0	10.0	49.9	10.82	7.59	190
		10.0	9.9	49.9	10.41	7.53	190
	MID	surface	10.5	51.0	13.90	7.85	190
		1.0	10.5	50.9	12.83	7.98	190
		2.0	10.5	50.8	12.62	8.04	190
		3.0	10.4	50.8	12.43	8.04	190
		4.0	10.2	50.4	12.07	7.99	190
		5.0	10.1	50.2	11.67	7.89	190
		6.0	10.0	50.0	11.25	7.79	190
		7.0	9.8	49.7	10.75	7.70	190
8/5/1997 *	DAM Ch 93 criteria *temperature : CWF = 66 F° WWF = 87 F° <u>epilimnion ?</u>	surface	(25.0)	(77.0)	11.00	(9.10)	200
		1.0	(25.0)	(77.0)	9.70	(9.10)	200
		2.0	(25.0)	(77.0)	9.80	(9.10)	200
		3.0	(25.0)	(77.0)	9.90	(9.10)	200
		4.0	(24.5)	(76.1)	7.70	8.70	200
		5.0	(23.2)	(73.8)	5.20	8.20	200
		6.0	(20.9)	(69.6)	(1.90)	7.90	200
		7.0	17.2	63.0	(1.00)	7.70	200
		8.0	15.1	59.2	(0.70)	7.60	200
		9.0	14.0	57.2	(0.70)	7.50	200
		10.0	12.6	54.7	(0.60)	7.50	200
	MID <u>epilimnion ?</u>	surface	(25.3)	(77.5)	10.40	(9.20)	200
		1.0	(25.3)	(77.5)	10.40	(9.20)	200
		2.0	(25.3)	(77.5)	10.30	(9.20)	200
		3.0	(25.2)	(77.4)	10.20	(9.20)	200
		4.0	(25.1)	(77.2)	9.30	8.40	200
		5.0	(23.3)	(73.9)	(4.10)	8.00	200
		6.0	(21.2)	(70.2)	(1.10)	7.80	200
		7.0	(19.0)	(66.2)	(0.70)	7.60	200
		8.0	15.7	60.3	(0.60)	7.50	200
10/28/1997 *	DAM Ch 93 criteria *temperature : CWF = 50 F° WWF = 66 F°	surface	(13.1)	(55.6)	4.98	7.17	223
		1.0	(13.1)	(55.6)	4.85	7.17	223
		2.0	(13.1)	(55.6)	4.85	7.16	223
		3.0	(13.1)	(55.6)	4.80	7.15	223
		4.0	(13.1)	(55.6)	4.81	7.14	223
		5.0	(13.1)	(55.6)	4.80	7.16	223
		6.0	(13.1)	(55.6)	4.77	7.16	223
		7.0	(13.1)	(55.6)	(3.75)	7.12	226
		8.0	(13.0)	(55.3)	(1.55)	7.07	240
		9.0	(12.6)	(54.7)	(0.40)	6.96	283
		10.0	(11.7)	(53.1)	(0.33)	6.98	415
	MID	surface	(13.1)	(55.5)	6.32	7.31	222
		1.0	(13.1)	(55.5)	6.03	7.31	222
		2.0	(13.0)	(55.5)	5.94	7.26	223
		3.0	(13.0)	(55.5)	5.90	7.25	223
		4.0	(13.0)	(55.5)	5.85	7.29	222
		5.0	(13.0)	(55.4)	5.84	7.24	224
		6.0	(13.0)	(55.4)	5.82	7.28	222
		7.0	(13.0)	(55.4)	5.70	7.27	223

1 - (##.##) parameter values exceeding Chapter 93 criteria shown in left column for date sampled