



English River Watershed Bi-Weekly and Bi-Monthly Water Quality Monitoring Data

Water sampling is occurring every 6 weeks at sites #1 through #20. Water sampling is occurring every other week at sites #8, 9, 10, 11, 14, 20, and 21 (shaded in gray). For more help interpreting the data, see "Interpreting Water Quality Data" on our website.

Total Phosphorus as P standards: EPA standard of 0.075 mg/L E. coli standards: 1 MPN/100mL for drinking water, 235 MPN/100mL for recreational water usage Ortho-Phosphate as P standards: None Nitrate+Nitrogen as N standards: 10mg/L for public drinking water supply						
ERW1	6/7/2017	Sunny & Calm	Not Measured	Total Phosphorus as P	mg/L	0.24
				E.coli	[MPN]/100mL	160
				ortho-Phosphate as P	mg/L	0.02
				Nitrate + nitrogen as N	mg/L	10
ERW1	7/31/2017	Sunny & Calm	19.2	Total Phosphorus as P	mg/L	0.26
				E.coli	[MPN]/100mL	180
				ortho-Phosphate as P	mg/L	0.03
				Nitrate + nitrogen as N	mg/L	< 0.10
ERW2	6/7/2017	Sunny & Calm	34.4	Total Phosphorus as P	mg/L	0.13
				E.coli	[MPN]/100mL	760
				ortho-Phosphate as P	mg/L	0.06
				Nitrate + nitrogen as N	mg/L	16
ERW2	7/31/2017	Sunny & Calm	12.5	Total Phosphorus as P	mg/L	0.26
				E.coli	[MPN]/100mL	2000
				ortho-Phosphate as P	mg/L	0.04
				Nitrate + nitrogen as N	mg/L	1.2
ERW3	6/7/2017	Sunny & Calm	13.0	Total Phosphorus as P	mg/L	0.25
				E.coli	[MPN]/100mL	250
				ortho-Phosphate as P	mg/L	0.1
				Nitrate + nitrogen as N	mg/L	9.4
ERW3	7/31/2017	Sunny & Calm	33.5	Total Phosphorus as P	mg/L	0.22
				E.coli	[MPN]/100mL	130
				ortho-Phosphate as P	mg/L	0.030
				Nitrate + nitrogen as N	mg/L	0.10
ERW4	6/7/2017	Sunny & Calm	25.2	Total Phosphorus as P	mg/L	0.14
				E.coli	[MPN]/100mL	1100
				ortho-Phosphate as P	mg/L	0.06
				Nitrate + nitrogen as N	mg/L	15
ERW4	7/31/2017	Sunny & Calm	47.5	Total Phosphorus as P	mg/L	0.18
				E.coli	[MPN]/100mL	730
				ortho-Phosphate as P	mg/L	0.030
				Nitrate + nitrogen as N	mg/L	1.7
ERW5	6/7/2017	Sunny & Calm	34.8	Total Phosphorus as P	mg/L	0.16
				E.coli	[MPN]/100mL	1200
				ortho-Phosphate as P	mg/L	0.09
				Nitrate + nitrogen as N	mg/L	12
ERW5	7/31/2017	Sunny & Calm	53.2	Total Phosphorus as P	mg/L	0.22
				E.coli	[MPN]/100mL	840
				ortho-Phosphate as P	mg/L	0.070
				Nitrate + nitrogen as N	mg/L	0.46
ERW6	6/7/2017	Sunny & Calm	25.2	Total Phosphorus as P	mg/L	0.24
				E.coli	[MPN]/100mL	550
				ortho-Phosphate as P	mg/L	0.1
				Nitrate + nitrogen as N	mg/L	9.2
ERW6	7/31/2017	Sunny & Calm	20.5	Total Phosphorus as P	mg/L	0.21
				E.coli	[MPN]/100mL	85
				ortho-Phosphate as P	mg/L	0.040
				Nitrate + nitrogen as N	mg/L	<0.10
ERW7	6/7/2017	Sunny & Calm	13.0	Total Phosphorus as P	mg/L	0.23
				E.coli	[MPN]/100mL	810
				ortho-Phosphate as P	mg/L	0.08
				Nitrate + nitrogen as N	mg/L	13
ERW7	7/31/2017	Sunny & Calm	30.0	Total Phosphorus as P	mg/L	0.22
				E.coli	[MPN]/100mL	580
				ortho-Phosphate as P	mg/L	0.050
				Nitrate + nitrogen as N	mg/L	0.12

ERW8	6/7/2017	Sunny & Calm	22.2	Total Phosphorus as P	mg/L	0.21
				E.coli	[MPN]/100mL	610
				ortho-Phosphate as P	mg/L	0.1
				Nitrate + nitrogen as N	mg/L	8.7
ERW8	6/20/2017	Sunny	9.0	Total Phosphorus as P	mg/L	0.4
				E.coli	[MPN]/100mL	6100
				ortho-Phosphate as P	mg/L	0.11
				Nitrate + nitrogen as N	mg/L	8.7
ERW8	7/5/2017	Sunny & Calm	11.5	Total Phosphorus as P	mg/L	0.29
				E.coli	[MPN]/100mL	1300
				ortho-Phosphate as P	mg/L	0.12
				Nitrate + nitrogen as N	mg/L	5.1
ERW8	7/18/2017	Sunny, Calm, Cloudy, Partly Sunny	36.2	Total Phosphorus as P	mg/L	0.16
				E.coli	[MPN]/100mL	370
				ortho-Phosphate as P	mg/L	0.1
				Nitrate + nitrogen as N	mg/L	2.5
ERW8	7/31/2017	Sunny & Calm	> 60.0	Total Phosphorus as P	mg/L	0.16
				E.coli	[MPN]/100mL	160
				ortho-Phosphate as P	mg/L	0.040
				Nitrate + nitrogen as N	mg/L	0.22
ERW8	8/15/2017	Sunny, Cloudy, Mild wind	10.1	Total Phosphorus as P	mg/L	0.25
				E.coli	[MPN]/100mL	>24000
				ortho-Phosphate as P	mg/L	0.06
				Nitrate + nitrogen as N	mg/L	0.54
ERW 8	8/29/2017	Sunny & Calm	43.0	Total Phosphorus as P	mg/L	0.13
				E.coli	[MPN]/100mL	560
				ortho-Phosphate as P	mg/L	0.07
				Nitrate + nitrogen as N	mg/L	0.63
ERW 8	9/12/2017	Calm	52.0	Total Phosphorus as P	mg/L	0.18
				E.coli	[MPN]/100mL	1200
				ortho-Phosphate as P	mg/L	0.040
				Nitrate + nitrogen as N	mg/L	<0.10
ERW 8	9/26/2017	Cloudy, rain/snow, calm	47.2	Total Phosphorus as P	mg/L	0.16
				E.coli	[MPN]/100mL	880
				ortho-Phosphate as P	mg/L	0.06
				Nitrate + nitrogen as N	mg/L	< 0.10
ERW 9	6/7/2017	Sunny & Calm	18.2	Total Phosphorus as P	mg/L	0.23
				E.coli	[MPN]/100mL	640
				ortho-Phosphate as P	mg/L	0.1
				Nitrate + nitrogen as N	mg/L	8.6
ERW 9	6/20/2017	Sunny	7.5	Total Phosphorus as P	mg/L	0.37
				E.coli	[MPN]/100mL	4200
				ortho-Phosphate as P	mg/L	0.1
				Nitrate + nitrogen as N	mg/L	8.8
ERW 9	7/5/2017	Sunny & Calm	12.5	Total Phosphorus as P	mg/L	0.24
				E.coli	[MPN]/100mL	1600
				ortho-Phosphate as P	mg/L	0.11
				Nitrate + nitrogen as N	mg/L	5.7
ERW 9	7/18/2017	Sunny, Calm, Cloudy, Partly Sunny	46.0	Total Phosphorus as P	mg/L	0.14
				E.coli	[MPN]/100mL	480
				ortho-Phosphate as P	mg/L	0.08
				Nitrate + nitrogen as N	mg/L	2.9
ERW9	7/31/2017	Sunny & Calm	> 60.0	Total Phosphorus as P	mg/L	0.18
				E.coli	[MPN]/100mL	530
				ortho-Phosphate as P	mg/L	0.040
				Nitrate + nitrogen as N	mg/L	0.32
ERW9	8/15/2017	Sunny, Cloudy, Mild wind	5.8	Total Phosphorus as P	mg/L	0.46
				E.coli	[MPN]/100mL	17000
				ortho-Phosphate as P	mg/L	0.06
				Nitrate + nitrogen as N	mg/L	0.59
ERW9	8/29/2017	Sunny & Calm	43.0	Total Phosphorus as P	mg/L	0.13
				E.coli	[MPN]/100mL	560
				ortho-Phosphate as P	mg/L	0.07
				Nitrate + nitrogen as N	mg/L	0.67
ERW9	9/12/2017	Calm	45.8	Total Phosphorus as P	mg/L	0.15
				E.coli	[MPN]/100mL	1100
				ortho-Phosphate as P	mg/L	0.040
				Nitrate + nitrogen as N	mg/L	<0.10
ERW9	9/26/2017	Cloudy, rain/snow, calm	54.9	Total Phosphorus as P	mg/L	0.16
				E.coli	[MPN]/100mL	1100
				ortho-Phosphate as P	mg/L	0.05
				Nitrate + nitrogen as N	mg/L	0.11

ERW10	6/7/2017	Sunny & Calm	35.8	Total Phosphorus as P	mg/L	0.13
				E.coli	[MPN]/100mL	680
				ortho-Phosphate as P	mg/L	0.06
				Nitrate + nitrogen as N	mg/L	10
ERW10	6/20/2017	Sunny	10.0	Total Phosphorus as P	mg/L	0.18
				E.coli	[MPN]/100mL	2300
				ortho-Phosphate as P	mg/L	0.08
				Nitrate + nitrogen as N	mg/L	8.6
ERW10	7/5/2017	Sunny & Calm	34.0	Total Phosphorus as P	mg/L	0.12
				E.coli	[MPN]/100mL	3700
				ortho-Phosphate as P	mg/L	0.06
				Nitrate + nitrogen as N	mg/L	4.3
ERW10	7/18/2017	Sunny, Calm, Cloudy, Partly Sunny	28.0	Total Phosphorus as P	mg/L	0.16
				E.coli	[MPN]/100mL	1100
				ortho-Phosphate as P	mg/L	0.05
				Nitrate + nitrogen as N	mg/L	1.8
ERW10	7/31/2017	Sunny & Calm	31.6	Total Phosphorus as P	mg/L	0.21
				E.coli	[MPN]/100mL	1400
				ortho-Phosphate as P	mg/L	0.050
				Nitrate + nitrogen as N	mg/L	0.13
ERW10	8/15/2017	Sunny, Cloudy, Mild wind	5.5	Total Phosphorus as P	mg/L	0.36
				E.coli	[MPN]/100mL	>24000
				ortho-Phosphate as P	mg/L	0.05
				Nitrate + nitrogen as N	mg/L	0.37
ERW10	8/29/2017	Sunny & Calm	38.5	Total Phosphorus as P	mg/L	0.12
				E.coli	[MPN]/100mL	990
				ortho-Phosphate as P	mg/L	0.02
				Nitrate + nitrogen as N	mg/L	<0.10
ERW10	9/12/2017	Calm	27.0	Total Phosphorus as P	mg/L	0.14
				E.coli	[MPN]/100mL	1100
				ortho-Phosphate as P	mg/L	<0.020
				Nitrate + nitrogen as N	mg/L	<0.10
ERW10	9/26/2017	Cloudy, rain/snow, calm	30.0	Total Phosphorus as P	mg/L	0.16
				E.coli	[MPN]/100mL	2900
				ortho-Phosphate as P	mg/L	0.04
				Nitrate + nitrogen as N	mg/L	<0.10
ERW11	6/7/2017	Sunny & Calm	31.0	Total Phosphorus as P	mg/L	0.11
				E.coli	[MPN]/100mL	1200
				ortho-Phosphate as P	mg/L	0.05
				Nitrate + nitrogen as N	mg/L	12
ERW11	6/20/2017	Sunny	15.0	Total Phosphorus as P	mg/L	0.14
				E.coli	[MPN]/100mL	3300
				ortho-Phosphate as P	mg/L	0.06
				Nitrate + nitrogen as N	mg/L	8.3
ERW11	7/5/2017	Sunny & Calm	23.0	Total Phosphorus as P	mg/L	0.12
				E.coli	[MPN]/100mL	1100
				ortho-Phosphate as P	mg/L	0.05
				Nitrate + nitrogen as N	mg/L	4.1
ERW11	7/18/2017	Sunny, Calm, Cloudy, Partly Sunny	23.0	Total Phosphorus as P	mg/L	0.16
				E.coli	[MPN]/100mL	2000
				ortho-Phosphate as P	mg/L	0.04
				Nitrate + nitrogen as N	mg/L	0.68
ERW11	7/31/2017	Sunny & Calm	26.2	Total Phosphorus as P	mg/L	0.23
				E.coli	[MPN]/100mL	1400
				ortho-Phosphate as P	mg/L	0.030
				Nitrate + nitrogen as N	mg/L	0.12
ERW11	8/15/2017	Sunny, Cloudy, Mild wind	5.8	Total Phosphorus as P	mg/L	0.33
				E.coli	[MPN]/100mL	10000
				ortho-Phosphate as P	mg/L	0.03
				Nitrate + nitrogen as N	mg/L	0.13
ERW11	8/29/2017	Sunny & Calm	21.0	Total Phosphorus as P	mg/L	0.15
				E.coli	[MPN]/100mL	2800
				ortho-Phosphate as P	mg/L	0.03
				Nitrate + nitrogen as N	mg/L	<0.10
ERW11	9/12/2017	Calm	18.5	Total Phosphorus as P	mg/L	0.17
				E.coli	[MPN]/100mL	210
				ortho-Phosphate as P	mg/L	0.030
				Nitrate + nitrogen as N	mg/L	<0.10
ERW11	9/26/2017	Cloudy, rain/snow, calm	19.4	Total Phosphorus as P	mg/L	0.19
				E.coli	[MPN]/100mL	2300
				ortho-Phosphate as P	mg/L	0.04
				Nitrate + nitrogen as N	mg/L	0.14

ERW12	6/7/2017	Sunny & Calm	15.2	Total Phosphorus as P	mg/L	0.2
				E.coli	[MPN]/100mL	680
				ortho-Phosphate as P	mg/L	0.08
				Nitrate + nitrogen as N	mg/L	14
ERW12	7/31/2017	Sunny & Calm	20.6	Total Phosphorus as P	mg/L	0.25
				E.coli	[MPN]/100mL	810
				ortho-Phosphate as P	mg/L	<0.020
				Nitrate + nitrogen as N	mg/L	<0.10
ERW13	6/7/2017	Sunny & Calm	34.6	Total Phosphorus as P	mg/L	0.1
				E.coli	[MPN]/100mL	490
				ortho-Phosphate as P	mg/L	0.05
				Nitrate + nitrogen as N	mg/L	5.7
ERW13	7/31/2017	Sunny & Calm	> 60.0	Total Phosphorus as P	mg/L	0.13
				E.coli	[MPN]/100mL	630
				ortho-Phosphate as P	mg/L	0.040
				Nitrate + nitrogen as N	mg/L	1.1
ERW14	6/7/2017	Sunny & Calm	22.2	Total Phosphorus as P	mg/L	0.19
				E.coli	[MPN]/100mL	680
				ortho-Phosphate as P	mg/L	0.09
				Nitrate + nitrogen as N	mg/L	9.3
ERW14	6/20/2017	Sunny	8.0	Total Phosphorus as P	mg/L	0.32
				E.coli	[MPN]/100mL	4100
				ortho-Phosphate as P	mg/L	0.09
				Nitrate + nitrogen as N	mg/L	9.4
ERW14	7/5/2017	Sunny & Calm	31.0	Total Phosphorus as P	mg/L	0.2
				E.coli	[MPN]/100mL	2800
				ortho-Phosphate as P	mg/L	0.1
				Nitrate + nitrogen as N	mg/L	6
ERW14	7/18/2017	Sunny, Calm, Cloudy, Partly Sunny	54.0	Total Phosphorus as P	mg/L	0.15
				E.coli	[MPN]/100mL	400
				ortho-Phosphate as P	mg/L	0.07
				Nitrate + nitrogen as N	mg/L	3.3
ERW14	7/31/2017	Sunny & Calm	> 60.0	Total Phosphorus as P	mg/L	0.11
				E.coli	[MPN]/100mL	270
				ortho-Phosphate as P	mg/L	0.020
				Nitrate + nitrogen as N	mg/L	0.34
ERW14	8/15/2017	Sunny, Cloudy, Mild wind	4.8	Total Phosphorus as P	mg/L	0.51
				E.coli	[MPN]/100mL	>24000
				ortho-Phosphate as P	mg/L	0.06
				Nitrate + nitrogen as N	mg/L	1
ERW14	8/29/2017	Sunny & Calm	54.0	Total Phosphorus as P	mg/L	0.12
				E.coli	[MPN]/100mL	840
				ortho-Phosphate as P	mg/L	0.06
				Nitrate + nitrogen as N	mg/L	0.82
ERW14	9/12/2017	Calm	56.0	Total Phosphorus as P	mg/L	0.17
				E.coli	[MPN]/100mL	930
				ortho-Phosphate as P	mg/L	0.030
				Nitrate + nitrogen as N	mg/L	<0.10
ERW14	9/26/2017	Cloudy, rain/snow, calm	59.4	Total Phosphorus as P	mg/L	0.18
				E.coli	[MPN]/100mL	1100
				ortho-Phosphate as P	mg/L	0.04
				Nitrate + nitrogen as N	mg/L	0.14
ERW15	6/7/2017	Sunny & Calm	24.8	Total Phosphorus as P	mg/L	0.14
				E.coli	[MPN]/100mL	460
				ortho-Phosphate as P	mg/L	0.07
				Nitrate + nitrogen as N	mg/L	9.9
ERW15	7/31/2017	Sunny & Calm	> 60.0	Total Phosphorus as P	mg/L	0.12
				E.coli	[MPN]/100mL	350
				ortho-Phosphate as P	mg/L	0.020
				Nitrate + nitrogen as N	mg/L	1.3

ERW16	6/7/2017	Sunny & Calm	24.8	Total Phosphorus as P	mg/L	0.14
				E.coli	[MPN]/100mL	690
				ortho-Phosphate as P	mg/L	0.06
				Nitrate + nitrogen as N	mg/L	11
ERW16	7/31/2017	Sunny & Calm	> 60.0	Total Phosphorus as P	mg/L	0.13
				E.coli	[MPN]/100mL	860
				ortho-Phosphate as P	mg/L	<0.020
				Nitrate + nitrogen as N	mg/L	0.34
ERW17	6/7/2017	Sunny & Calm	21.8	Total Phosphorus as P	mg/L	0.13
				E.coli	[MPN]/100mL	330
				ortho-Phosphate as P	mg/L	0.05
				Nitrate + nitrogen as N	mg/L	15
ERW17	7/31/2017	Sunny & Calm	28.5	Total Phosphorus as P	mg/L	0.16
				E.coli	[MPN]/100mL	550
				ortho-Phosphate as P	mg/L	0.040
				Nitrate + nitrogen as N	mg/L	1.2
ERW18	6/7/2017	Sunny & Calm	15.2	Total Phosphorus as P	mg/L	0.14
				E.coli	[MPN]/100mL	360
				ortho-Phosphate as P	mg/L	0.05
				Nitrate + nitrogen as N	mg/L	14
ERW18	7/31/2017	Sunny & Calm	16.8	Total Phosphorus as P	mg/L	0.20
				E.coli	[MPN]/100mL	1000
				ortho-Phosphate as P	mg/L	<0.020
				Nitrate + nitrogen as N	mg/L	<0.10
ERW19	6/7/2017	Sunny & Calm	25.8	Total Phosphorus as P	mg/L	0.14
				E.coli	[MPN]/100mL	510
				ortho-Phosphate as P	mg/L	0.07
				Nitrate + nitrogen as N	mg/L	11
ERW19	7/31/2017	Sunny & Calm	> 60.0	Total Phosphorus as P	mg/L	0.12
				E.coli	[MPN]/100mL	300
				ortho-Phosphate as P	mg/L	0.020
				Nitrate + nitrogen as N	mg/L	1.7
ERW20	6/7/2017	Sunny & Calm	29.6	Total Phosphorus as P	mg/L	0.12
				E.coli	[MPN]/100mL	430
				ortho-Phosphate as P	mg/L	0.06
				Nitrate + nitrogen as N	mg/L	12
ERW20	6/20/2017	Sunny	14.0	Total Phosphorus as P	mg/L	0.19
				E.coli	[MPN]/100mL	1900
				ortho-Phosphate as P	mg/L	0.07
				Nitrate + nitrogen as N	mg/L	11
ERW20	7/5/2017	Sunny & Calm	22.0	Total Phosphorus as P	mg/L	0.11
				E.coli	[MPN]/100mL	1800
				ortho-Phosphate as P	mg/L	0.06
				Nitrate + nitrogen as N	mg/L	7.8
ERW20	7/18/2017	Sunny, Calm, Cloudy, Partly Sunny	> 60	Total Phosphorus as P	mg/L	0.06
				E.coli	[MPN]/100mL	1200
				ortho-Phosphate as P	mg/L	0.03
				Nitrate + nitrogen as N	mg/L	4.9
ERW20	7/31/2017	Sunny & Calm	> 60	Total Phosphorus as P	mg/L	0.11
				E.coli	[MPN]/100mL	430
				ortho-Phosphate as P	mg/L	< 0.020
				Nitrate + nitrogen as N	mg/L	2.4
ERW20	8/15/2017	Sunny, Cloudy, Mild wind	7.0	Total Phosphorus as P	mg/L	0.4
				E.coli	[MPN]/100mL	>24000
				ortho-Phosphate as P	mg/L	0.11
				Nitrate + nitrogen as N	mg/L	2
ERW20	8/29/2017	Sunny & Calm	30.3	Total Phosphorus as P	mg/L	0.12
				E.coli	[MPN]/100mL	1600
				ortho-Phosphate as P	mg/L	0.05
				Nitrate + nitrogen as N	mg/L	2.4
ERW20	9/12/2017	Calm	0.1	Total Phosphorus as P	mg/L	0.050
				E.coli	[MPN]/100mL	910
				ortho-Phosphate as P	mg/L	<0.020
				Nitrate + nitrogen as N	mg/L	1.5
ERW20	9/26/2017	Cloudy, rain/snow, calm	25.4	Total Phosphorus as P	mg/L	0.17
				E.coli	[MPN]/100mL	2300
				ortho-Phosphate as P	mg/L	0.04
				Nitrate + nitrogen as N	mg/L	1.1

ERW21	6/20/2017	Sunny	35.0	Total Phosphorus as P	mg/L	0.29
				E.coli	[MPN]/100mL	5200
				ortho-Phosphate as P	mg/L	0.17
				Nitrate + nitrogen as N	mg/L	9.3
ERW21	7/5/2017	Sunny & Calm	26.0	Total Phosphorus as P	mg/L	0.26
				E.coli	[MPN]/100mL	450
				ortho-Phosphate as P	mg/L	0.17
				Nitrate + nitrogen as N	mg/L	5
ERW21	7/18/2017	Sunny, Calm, Cloudy, Partly Sunny	25.0	Total Phosphorus as P	mg/L	0.33
				E.coli	[MPN]/100mL	2400
				ortho-Phosphate as P	mg/L	0.1
				Nitrate + nitrogen as N	mg/L	1.1
ERW21	8/15/2017	Sunny, Cloudy, Mild wind	9.0	Total Phosphorus as P	mg/L	0.63
				E.coli	[MPN]/100mL	9800
				ortho-Phosphate as P	mg/L	0.32
				Nitrate + nitrogen as N	mg/L	1.8
ERW21	8/29/2017	Sunny & Calm	13.0	Total Phosphorus as P	mg/L	0.30
				E.coli	[MPN]/100mL	300
				ortho-Phosphate as P	mg/L	0.17
				Nitrate + nitrogen as N	mg/L	0.16
ERW21	9/12/2017	Calm	6.0	Total Phosphorus as P	mg/L	1.1
				E.coli	[MPN]/100mL	590
				ortho-Phosphate as P	mg/L	0.060
				Nitrate + nitrogen as N	mg/L	<0.10
ERW21	9/26/2017	Cloudy, rain/snow, calm	15.3	Total Phosphorus as P	mg/L	0.31
				E.coli	[MPN]/100mL	860
				ortho-Phosphate as P	mg/L	0.13
				Nitrate + nitrogen as N	mg/L	<0.10