

Taunton River Water Quality Monitoring Program Report Card 2014 - 2016

River	Location	Town	Nitrogen			Phosphorus			Bacteria		
			2014	2015	2016	2014	2015	2016	2014	2015	2016
Matfield River	High Street	Bridgewater			1.56			0.061			
Town River	Haywood St.	Bridgewater			4.62			0.089			
Cotley River	Middleboro Ave.	Taunton	0.14	0.16	0.19	0.046	0.07	0.026			
Furnace Brook	River St.	Taunton	0.36	0.38	0.43	0.08	0.203	0.028			
Tomson Brook	Highstone St.	Taunton	0.03	0.1	0.09	0.063	0.067	0.042			
Forge River	Route 44	Raynham		0.41	0.59		0.128	0.04			
Mill River	Whittendon St.	Taunton	0.08	0.12	0.14	0	0.054	0.02			
Mill River	Washington St.	Taunton	0.18	0.2	0.25	0.017	0.052	0.028			
Mill River	Ingell Street	Taunton	0.23	0.46	0.73	0.05	0.066	0.039			
Taunton River	Cherry Street	Bridgewater	1.35	1.53	1.63	0.098	0.11	0.062			
Taunton River	Route 18	Bridgewater	0.8	1.27	1.96	0.084	0.103	0.041			
Taunton River	Plain Street	Taunton	1.11	0.96	1.22	0.092	0.142	0.053			
Taunton River	Center Street	Berkley	1.37	0.81	1.01	0.182	0.158	0.081			
Three Mile River	Crane Street	Norton		0.32	0.49		0.077	0.029			
Three Mile River	Cohannet St.	Taunton	0.38	2.33	4.59	0.024	0.045	0.023			
Three Mile River	Somerset Ave.	Dighton	2.19	1.23	2.19	0.038	0.188	0.104			
Segregansett River	Brook St.	Dighton		0.15	0.26		0.097	0.064			
Chuckamucksett Brk	Berkley St.	Berkley	1.15	1.22	1.33	0.095	0.095	0.082			
Assonet River	Rt. 79 Bridge	Assonet	0.02	0.09	0.09	0.074	0.076	0.028			

Indicator	Excellent	Good	Fair	Poor	No Data
Nitrate as N	<.25 mg/l	.25-.34	.34-.45	>.45	
Total P	<.025 mg/l	.025-<.05	.05-.1	>.1	
Temperature	<24° C	24°-<27°C	27°-28°C	>28°C	
Dissolved Oxygen	≥6 mg/l	>5-6 mg/l	4-5 mg/l	<4 mg/l	
Bacteria (fecal)			>400 colonies/100ml		

Nitrate - annual average May through October

Total Phosphorus - annual average May through October

Temperature - determined by the highest temperature record during the season

Dissolved oxygen - determined by the lowest oxygen record during the season

Bacteria - determined by the number of exceedances. One exceedance = fair, two or more exceedances = poor

Dissolved Oxygen

Temperature

2014

2015

2016

2014

2015

2016

Dissolved Oxygen			Temperature		
2014	2015	2016	2014	2015	2016
Grey	Grey	Light Green	Grey	Grey	Light Green
Grey	Grey	Pink	Grey	Grey	Light Green
Light Green	Yellow	Yellow	Light Green	Light Green	Light Green
Light Green	Yellow	Light Green	Light Green	Light Green	Light Green
Pink	Pink	Pink	Light Green	Light Green	Light Green
Grey	Light Green	Light Green	Grey	Light Green	Light Green
Light Green	Light Green	Light Green	Yellow	Pink	Light Green
Light Green	Light Green	Light Green	Orange	Light Green	Light Green
Light Green	Light Green	Yellow	Yellow	Yellow	Yellow
Light Green	Light Green	Yellow	Light Green	Light Green	Yellow
Light Green	Light Green	Light Green	Light Green	Yellow	Yellow
Light Green	Light Green	Light Green	Yellow	Yellow	Light Green
Orange	Light Green	Yellow	Yellow	Orange	Yellow
Grey	Pink	Light Green	Grey	Yellow	Light Green
Yellow	Light Green	Yellow	Yellow	Light Green	Light Green
Yellow	Light Green	Light Green	Yellow	Yellow	Yellow
Grey	Yellow	Yellow	Grey	Yellow	Light Green
Light Green	Light Green	Light Green	Light Green	Light Green	Light Green
Light Green	Light Green	Light Green	Yellow	Yellow	Light Green