

2013 BAKER RIVER WATERSHED VRAP DATA

	Measurements not meeting New Hampshire surface water quality standards
	Measurements not meeting NHDES quality assurance/quality control standards

^A Specific conductance > 835 $\mu\text{S}/\text{cm}$ indicate exceedance of chronic chloride standard of 230 mg/L

11-BKR, Baker River, Mooselauke Bridge, Warren

Date	Time of Sample	Specific Conductance ($\mu\text{S}/\text{cm}$)	<i>E. coli</i> (CTS/100mL)	<i>E. coli</i> Geometric Mean
Standard	NA	835 $\mu\text{S}/\text{cm}$ ^A	<406	<126
06/19/2013	5:58	36.1	<10	
07/08/2013	7:14	33.2	<10	
08/06/2013	7:19	32.2	<10	5
09/03/2013	6:37	32.7	90	13

10-BKR, Baker River, Batchelder Bridge Warren

Date	Time of Sample	Specific Conductance (uS/cm)	<i>E. coli</i> (CTS/100mL)	<i>E.coli</i> Geometric Mean
Standard	NA	835 μ S/cm ^A	<406	<126
06/19/2013	6:09	40.5	<10	
07/08/2013	7:27	38.3	<10	
08/06/2013	7:28	25.8	<10	5
09/03/2013	6:48	33.9	130	15

08-BKR, Baker River, Bixby Bridge, Warren

Date	Time of Sample	Specific Conductance (uS/cm)	<i>E. coli</i> (CTS/100mL)	<i>E.coli</i> Geometric Mean
Standard	NA	835 μ S/cm ^A	<406	<126
06/19/2013	6:18	53.4	<10	
07/08/2013	7:37	53.0	<10	
08/06/2013	7:38	54.5	<10	5
09/03/2013	6:58	46.5	90	13

07A-BKR, Baker River, Town Park, Wentworth

Date	Time of Sample	Specific Conductance (uS/cm)	<i>E. coli</i> (CTS/100mL)	<i>E.coli</i> Geometric Mean
Standard	NA	835 μ S/cm ^A	<406	<126
06/19/2013	7:10	51.2	<10	
07/08/2013	7:15	53.5	<10	
08/06/2013	7:20	60.4	<10	5
09/03/2013	7:10	59.3	220	18

07-BKR, Baker River, Wentworth Town Beach, Wentworth

Date	Time of Sample	Specific Conductance (uS/cm)	<i>E. coli</i> (CTS/100mL)	<i>E.coli</i> Geometric Mean
Standard	NA	835 μ S/cm ^A	<406	<126
06/19/2013	7:20	52.5	<10	
07/08/2013	7:20	53.1	<10	
08/06/2013	7:25	60.2	<10	5
09/03/2013	7:20	59.1	120	14

06A-BKR, Baker River, Silver Bridge, Saunders Hill Road, Wentworth

Date	Time of Sample	Specific Conductance (uS/cm)	<i>E. coli</i> (CTS/100mL)	<i>E.coli</i> Geometric Mean
Standard	NA	835 μ S/cm ^A	<406	<126
06/19/2013	7:30	53.0	<10	
07/08/2013	7:30	51.7	<10	
08/06/2013	7:35	61.6	<10	5
09/03/2013	7:25	64.2	260	19

05-BKR, Baker River, Sandhill Bridge, Rumney

Date	Time of Sample	Specific Conductance (uS/cm)	<i>E. coli</i> (CTS/100mL)	<i>E.coli</i> Geometric Mean
Standard	NA	835 μ S/cm ^A	<406	<126
06/19/2013	7:20	47.6	<10	
07/08/2013	7:02	48.0	<10	
08/06/2013	6:48	58.9	<10	5
09/03/2013	6:56	43.3	1780	35

04G-BKR, Baker River, USGS Gage Station, Rumney

Date	Time of Sample	Specific Conductance (uS/cm)	<i>E. coli</i> (CTS/100mL)	<i>E. coli</i> Geometric Mean
Standard	NA	835 μ S/cm ^A	<406	<126
06/19/2013	8:05	49.6	<10	
07/08/2013	7:40	49.5	<10	
08/06/2013	6:58	61.2	<10	5
09/03/2013	7:13	45.9	1480	33

04-BKR, Baker River, Stinson Lake Road Bridge/New Town Bridge, Rumney

Date	Time of Sample	Specific Conductance (uS/cm)	<i>E. coli</i> (CTS/100mL)	<i>E. coli</i> Geometric Mean
Standard	NA	835 μ S/cm ^A	<406	<126
06/19/2013	7:35	51.1	<10	
07/08/2013	7:15	50.9	<10	
08/06/2013	7:05	65.4	<10	5
09/03/2013	7:21	46.1	1240	31

03-BKR, Baker River, Route 25 D/S of School Street & Gravel Pit, Rumney

Date	Time of Sample	Specific Conductance (uS/cm)	<i>E. coli</i> (CTS/100mL)	<i>E. coli</i> Geometric Mean
Standard	NA	835 μ S/cm ^A	<406	<126
06/19/2013	7:50	50.3	<10	
07/08/2013	7:27	50.6	<10	
08/06/2013	7:16	66.1	<10	5
09/03/2013	7:35	42.9	940	29

02-BKR, Baker River, Covered Bridge/Smith Bridge Road, Plymouth

Date	Time of Sample	Specific Conductance (uS/cm)	<i>E. coli</i> (CTS/100mL)	<i>E. coli</i> Geometric Mean
Standard	NA	835 μ S/cm ^A	<406	<126
06/19/2013	6:32	52.3	<10	
07/08/2013	7:11	53.0	<10	
08/06/2013	7:10	70.0	<10	5
09/03/2013	7:10	47.1	710	26

01A-BKR, Baker River, Tenney Mountain Highway Bridge, Plymouth

Date	Time of Sample	Specific Conductance (uS/cm)	<i>E. coli</i> (CTS/100mL)	<i>E.coli</i> Geometric Mean
Standard	NA	835 μ S/cm ^A	<406	<126
06/19/2013	6:40	54.8	10	
07/08/2013	7:25	54.1	<10	
08/06/2013	7:25	72.3	20	10
09/03/2013	7:22	45.9	700	41

01-BKR, Baker River, Green Bridge (Route 3/25 Bridge), Plymouth

Date	Time of Sample	Specific Conductance (uS/cm)	<i>E. coli</i> (CTS/100mL)	<i>E.coli</i> Geometric Mean
Standard	NA	835 μ S/cm ^A	<406	<126
06/19/2013	6:55	57.8	<10	
07/08/2013	7:38	58.0	<10	
08/06/2013	7:38	79.7	10	6
09/03/2013	7:33	45.8	710	33

06-SBR, South Branch Baker River, Wentworth

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance ($\mu\text{S}/\text{cm}$)	Water Temp. ($^{\circ}\text{C}$)	Chloride (mg/L)	<i>E. coli</i> (CTS/100m L)	<i>E. coli</i> Geometric Mean
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	936 $\mu\text{S}/\text{cm}^{\text{A}}$	NA	<230 mg/L ^B	<406	<126
06/13/2013	10:30	10.47	101.9	6	1.33	30.0	14.2	3.4	50	
07/09/2013	9:30	8.87	99.0	6	0.94	36.7	20.7	3.5	20	
08/06/2013	9:30	9.80	98.7	7	1.00	51.5	15.7	7.1	<10	
10/10/2013	9:40	11.27	97.4	7	1.02	44.4	9.0	6	<10	

Date	Time of Sample	Total Phosphorus	Nitrite (NO ₂) + Nitrate (NO ₃) (mg/L)	Total Kjeldahl Nitrogen (TKN) (mg/L)	Total Nitrogen (mg/L)
Standard	NA	NA	NA	NA	NA
06/13/2013	10:30	0	ND	ND	0.15
07/09/2013	9:30	0	ND	0.29	0.32
08/06/2013	9:30	0	0.61	ND	0.74
10/10/2013	9:40	0	ND	ND	0.15