

APPENDIX J

CONNECTICUT RIVER- JOHNS RIVER TO WAITS RIVER WATERSHED

(HUC8: 01080103)

I. WATERSHED DESCRIPTION AND MAPS

This section of the Connecticut River Watershed covers an area of approximately 751 square miles located along the Vermont-New Hampshire border. There are 29 towns located at least partially within the watershed. As shown in Figure 1, the primary watercourse in the region is the Connecticut River which flows south from Dalton to Piermont, NH along the VT-NH border. Notable mountains in the area are the Dartmouth Range and the Blue Ridge Mountains along the eastern border, and the Gardner Mountains in the west. Numerous reservoirs are located along the course of the Connecticut River and are the only waterbodies of notable size in the watershed.

The watershed consists of 79% forested land cover. A large portion of the forest is conserved and protected as part of the White Mountain National Forest and smaller state parks. Development and disturbed land identified on the following land cover map (Figure 2) are concentrated in the urban area of Littleton and along major roadways. Development accounts for 3% of watershed area while agriculture accounts for 5%.

To facilitate management of the State's water resources, surface waters in New Hampshire have been divided into over 5,200 smaller segments called Assessment Units (AUs) that each has a unique identification number or AUID. Due to resource constraints it is not possible to sample all AUs. Of the AUs sampled in this watershed, 7 have been assessed as impaired for bacteria. The location of each bacteria impaired surface water AU is shown on Figure 1 as either a dark blue circle or line. A majority of the impaired streams are located in the southwestern corner of the watershed and around Littleton, NH. Section II presents all bacteria data collected in these impaired reaches over the past 10 years by NH DES, with exceedances of the state's water quality standards for bacteria noted. Applicable bacteria water quality criteria for each AU as well as an estimate of the percent reduction needed to meet each water quality criterion (and TMDL), based on the highest recorded bacteria measurement that exceeds the criterion, are also provided.

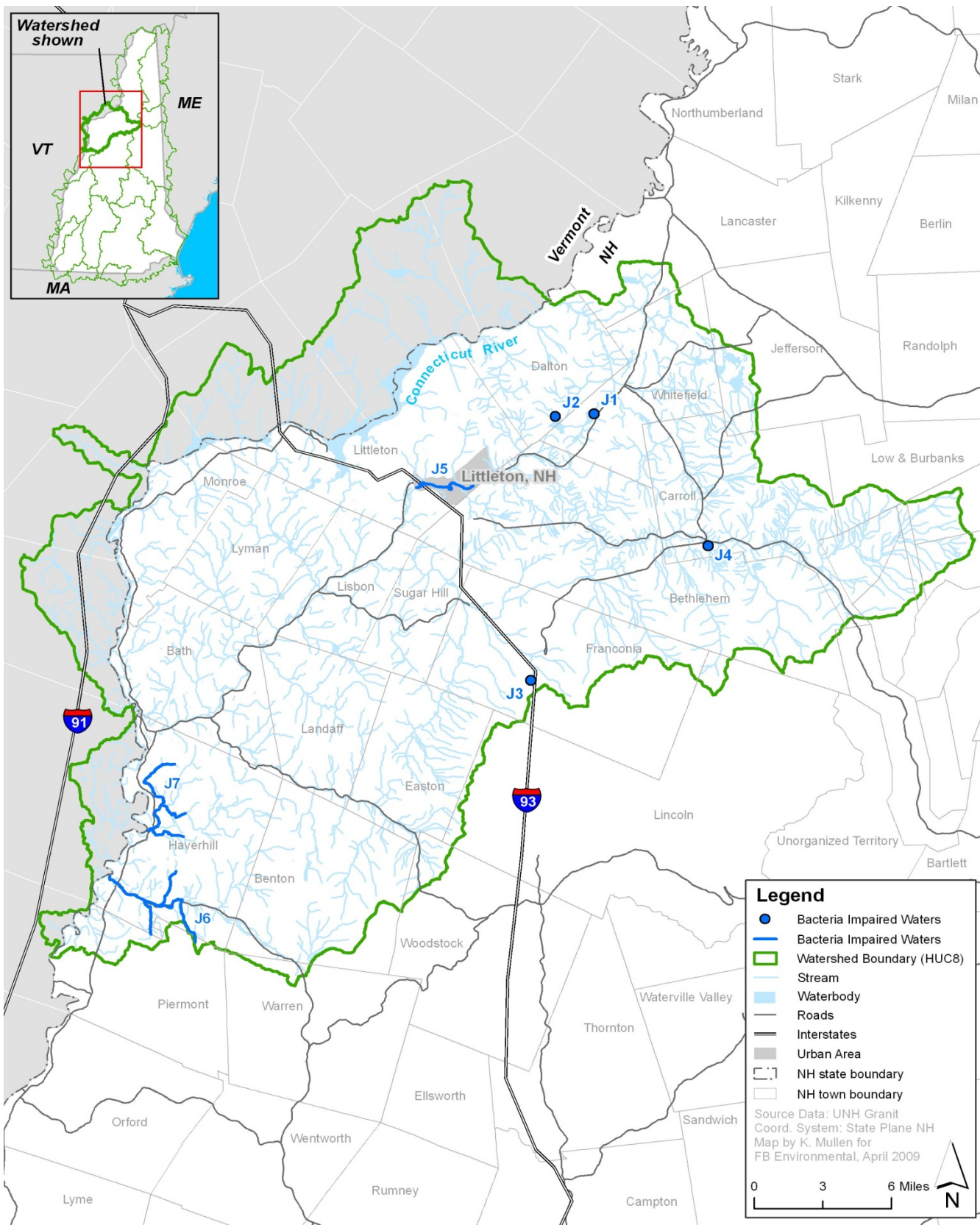


Figure 1. Bacteria-impaired waters in Connecticut River-Johns River to Waits River Watershed (segments labeled by table number)

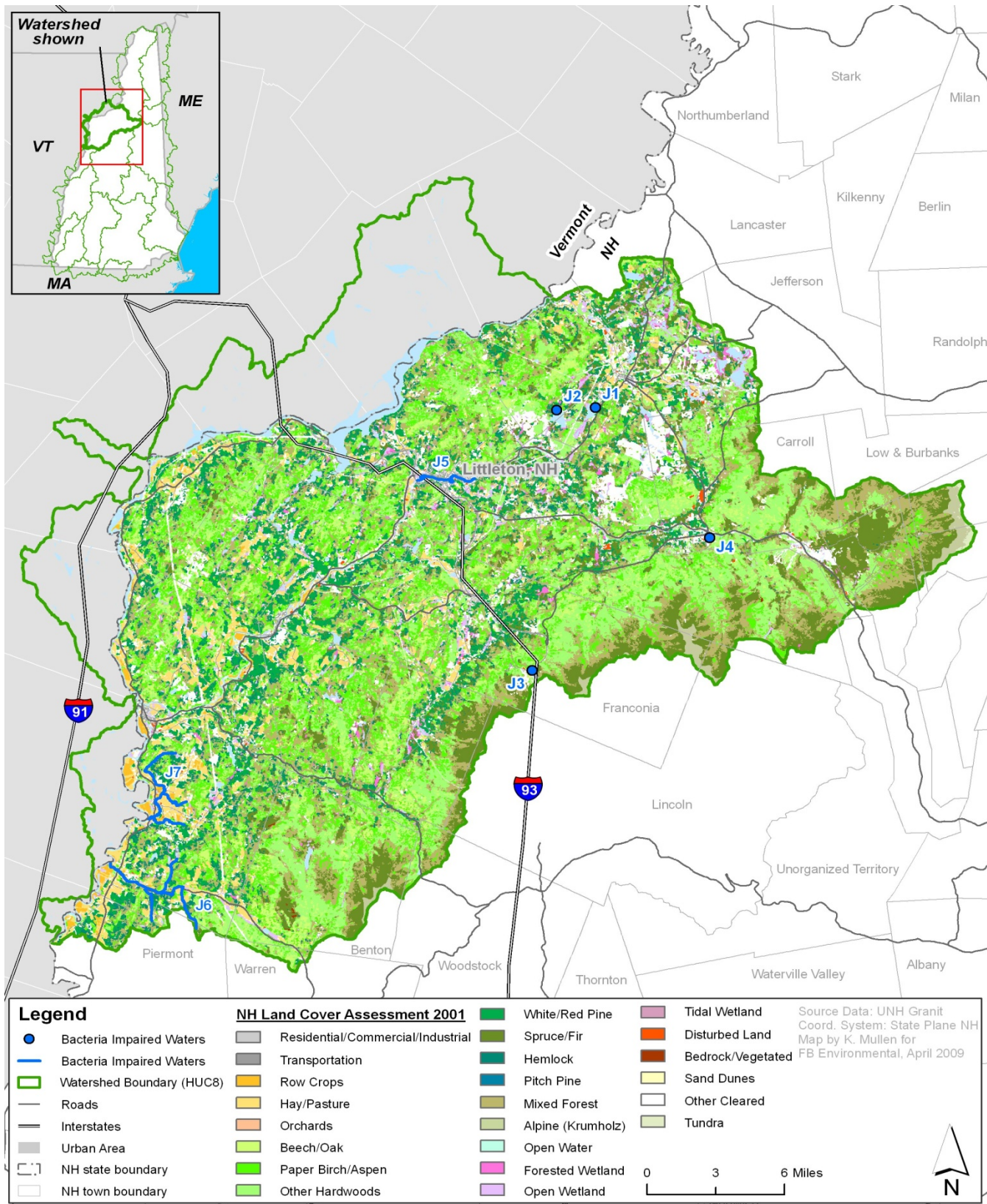


Figure 2. Land cover in Connecticut River-Johns River to Waits River Watershed with noted bacteria impaired water (segments labeled by table number)

II. WATER QUALITY DATA TABLES

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J 1: BURNS POND – PUBLIC BEACH

AUID: NHLAK801030101-01-02

Characteristics: freshwater, class B designation, designated beach, primary contact recreation.

Impairment: *E. coli*

Water Quality Criteria & TMDL for *E. coli*:

Geometric mean: 47 CTS/100mL

Single sample: 88 CTS/100mL

Percent reduction to meet TMDL:

Geometric mean: 44%

Single sample: 78%

Data: 1998 - 2007 (inclusive) from NH DES, 2008 TMDL cycle

Single sample <i>E. coli</i> results (CTS/100ML)						Geometric mean <i>E. coli</i> results (CTS/100ML)	
Station ID	Station Name	Date	Result	Wet/dry		Date	Result
BCHPUBWHILF	BURNS POND PB-LEFT	7/30/98	* 1	no data		8/4/03	3.94
BCHPUBWHIRT	BURNS POND PB-RIGHT	7/30/98	* 1	no data		8/3/04	9.46
BCHPUBWHILF	BURNS POND PB-LEFT	8/5/99	* 10	no data		8/31/05	4.51
BCHPUBWHIRT	BURNS POND PB-RIGHT	8/5/99	* 9	no data		8/4/06	84.0
BCHPUBWHILF	BURNS POND PB-LEFT	7/28/00	* 3	no data		8/21/07	22.1
BCHPUBWHIRT	BURNS POND PB-RIGHT	7/28/00	* 6	no data			
BCHPUBWHILF	BURNS POND PB-LEFT	7/27/01	* 2	no data			
BCHPUBWHIRT	BURNS POND PB-RIGHT	7/27/01	* 0	no data			
BCHPUBWHILF	BURNS POND PB-LEFT	7/22/02	* 18	no data			
BCHPUBWHIRT	BURNS POND PB-RIGHT	7/22/02	* 26	no data			
BCHPUBWHILF	BURNS POND PB-LEFT	7/1/03	* 12	no data			
BCHPUBWHIRT	BURNS POND PB-RIGHT	7/1/03	* 10	no data			
BCHPUBWHILF	BURNS POND PB-LEFT	8/4/03	* 2	no data			
BCHPUBWHIRT	BURNS POND PB-RIGHT	8/4/03	* 1	no data			
BCHPUBWHILF	BURNS POND PB-LEFT	7/13/04	* 25	no data			
BCHPUBWHIRT	BURNS POND PB-RIGHT	7/13/04	* 10	no data			
BCHPUBWHILF	BURNS POND PB-LEFT	8/3/04	* 8	no data			
BCHPUBWHIRT	BURNS POND PB-RIGHT	8/3/04	* 4	no data			
BCHPUBWHILF	BURNS POND PB-LEFT	7/20/05	* 1	no data			
BCHPUBWHIRT	BURNS POND PB-RIGHT	7/20/05	* 10	no data			
BCHPUBWHILF	BURNS POND PB-LEFT	8/9/05	* 1	no data			
BCHPUBWHIRT	BURNS POND PB-RIGHT	8/9/05	* 1	no data			
BCHPUBWHILF	BURNS POND PB-LEFT	8/31/05	* 28	no data			
BCHPUBWHIRT	BURNS POND PB-RIGHT	8/31/05	* 30	no data			
BCHPUBWHILF	BURNS POND PB-LEFT	6/26/06	* 54	no data			
BCHPUBWHILF	BURNS POND PB-LEFT	7/21/06	* 170	no data			
BCHPUBWHIRT	BURNS POND PB-RIGHT	7/21/06	* 288	no data			
BCHPUBWHILF	BURNS POND PB-LEFT	7/26/06	* 8	no data			
BCHPUBWHIRT	BURNS POND PB-RIGHT	7/26/06	* 24	no data			
BCHPUBWHILF	BURNS POND PB-LEFT	8/2/06	* 234	no data			
BCHPUBWHIRT	BURNS POND PB-RIGHT	8/2/06	* 400	no data			

continued...

Shaded cells indicate exceedance of water quality criteria

* During "critical period" defined as May 24 to Sept 15 (2008 NH CALM)

J 1: BURNS POND – PUBLIC BEACH (CONTINUED)

AUID: NHLAK801030101-01-02

Characteristics: freshwater, class B designation, designated beach, primary contact recreation.

Impairment: *E. coli*

Water Quality Criteria & TMDL for *E. coli*:

Geometric mean: 47 CTS/100mL

Single sample: 88 CTS/100mL

Percent reduction to meet TMDL:

Geometric mean: 44%

Single sample: 78%

Data: 1998 - 2007 (inclusive) from NH DES, 2008 TMDL cycle

Single sample *E. coli* results (CTS/100ML)

Station ID	Station Name	Date	Result	Wet/dry
BCHPUBWHILF	BURNS POND PB-LEFT	8/4/06 *	50	no data
BCHPUBWHIRT	BURNS POND PB-RIGHT	8/4/06 *	88	no data
BCHPUBWHILF	BURNS POND PB-LEFT	7/5/07 *	54	no data
BCHPUBWHIRT	BURNS POND PB-RIGHT	7/5/07 *	160	no data
BCHPUBWHILF	BURNS POND PB-LEFT	7/11/07 *	20	no data
BCHPUBWHIRT	BURNS POND PB-RIGHT	7/11/07 *	30	no data
BCHPUBWHILF	BURNS POND PB-LEFT	8/1/07 *	18	no data
BCHPUBWHIRT	BURNS POND PB-RIGHT	8/1/07 *	19	no data
BCHPUBWHILF	BURNS POND PB-LEFT	8/21/07 *	8	no data
BCHPUBWHIRT	BURNS POND PB-RIGHT	8/21/07 *	4	no data

Shaded cells indicate exceedance of water quality criteria

* During "critical period" defined as May 24 to Sept 15 (2008 NH CALM)

J 2: FOREST LAKE – FOREST LAKE STATE PARK

AUID: NHLAK801030101-02-02

Characteristics: freshwater, class B designation, designated beach, primary contact recreation.

Impairment: *E. coli*

Water Quality Criteria & TMDL for *E. coli*:

Geometric mean: 47 CTS/100mL

Single sample: 88 CTS/100mL

Percent reduction to meet TMDL:

Geometric mean: 31%

Single sample: 56%

Data: 1998 - 2007 (inclusive) from NH DES, 2008 TMDL cycle

Single sample *E. coli* results (CTS/100ML)

Station ID	Station Name	Date	Result	Wet/dry
BCHFSPWHILF	FOREST LAKE SP-LEFT	7/30/98	* 0	no data
BCHFSPWHIRT	FOREST LAKE SP-RIGHT	7/30/98	* 0	no data
BCHFSPWHILF	FOREST LAKE SP-LEFT	8/5/99	* 0	no data
BCHFSPWHIRT	FOREST LAKE SP-RIGHT	8/5/99	* 1	no data
BCHFSPWHILF	FOREST LAKE SP-LEFT	7/28/00	* 1	no data
BCHFSPWHIRT	FOREST LAKE SP-RIGHT	7/28/00	* 0	no data
BCHFSPWHILF	FOREST LAKE SP-LEFT	7/27/01	* 200	no data
BCHFSPWHIRT	FOREST LAKE SP-RIGHT	7/27/01	* 200	no data
BCHFSPWHICR	FOREST LAKE SP-CENTER	7/30/01	* 8	no data
BCHFSPWHILF	FOREST LAKE SP-LEFT	7/22/02	* 2	no data
BCHFSPWHIRT	FOREST LAKE SP-RIGHT	7/22/02	* 3	no data
BCHFSPWHICR	FOREST LAKE SP-CENTER	7/1/03	* 45	no data
BCHFSPWHILF	FOREST LAKE SP-LEFT	7/1/03	* 5	no data
BCHFSPWHIRT	FOREST LAKE SP-RIGHT	7/1/03	* 123	no data
BCHFSPWHICR	FOREST LAKE SP-CENTER	7/9/03	* 6	no data
BCHFSPWHILF	FOREST LAKE SP-LEFT	7/9/03	* 6	no data
BCHFSPWHIRT	FOREST LAKE SP-RIGHT	7/9/03	* 8	no data
BCHFSPWHILF	FOREST LAKE SP-LEFT	8/4/03	* 1	no data
BCHFSPWHIRT	FOREST LAKE SP-RIGHT	8/4/03	* 1	no data
BCHFSPWHILF	FOREST LAKE SP-LEFT	7/13/04	* 4	no data
BCHFSPWHIRT	FOREST LAKE SP-RIGHT	7/13/04	* 14	no data
BCHFSPWHILF	FOREST LAKE SP-LEFT	8/3/04	* 52	no data
BCHFSPWHIRT	FOREST LAKE SP-RIGHT	8/3/04	* 32	no data
BCHFSPWHILF	FOREST LAKE SP-LEFT	7/20/05	* 12	no data
BCHFSPWHIRT	FOREST LAKE SP-RIGHT	7/20/05	* 7	no data
BCHFSPWHILF	FOREST LAKE SP-LEFT	8/9/05	* 6	no data
BCHFSPWHIRT	FOREST LAKE SP-RIGHT	8/9/05	* 14	no data
BCHFSPWHILF	FOREST LAKE SP-LEFT	8/31/05	* 4	no data
BCHFSPWHIRT	FOREST LAKE SP-RIGHT	8/31/05	* 10	no data
BCHFSPWHILF	FOREST LAKE SP-LEFT	6/26/06	* 4	no data
BCHFSPWHICR	FOREST LAKE SP-CENTER	6/26/06	* 2	no data

continued...

Geometric mean *E. coli* results (CTS/100ML)

Date	Result
7/30/01	68.4
8/4/03	7.29
8/3/04	17.5
8/31/05	8.10
8/4/06	7.71
8/21/07	5.22

Shaded cells indicate exceedance of water quality criteria

* During "critical period" defined as May 24 to Sept 15 (2008 NH CALM)

J 2: FOREST LAKE – FOREST LAKE STATE PARK (CONTINUED)

AUID: NHLAK801030101-02-02

Characteristics: freshwater, class B designation, designated beach, primary contact recreation.

Impairment: *E. coli*

Water Quality Criteria & TMDL for *E. coli*:

Geometric mean: 47 CTS/100mL

Single sample: 88 CTS/100mL

Percent reduction to meet TMDL:

Geometric mean: 31%

Single sample: 56%

Data: 1998 - 2007 (inclusive) from NH DES, 2008 TMDL cycle

Single sample *E. coli* results (CTS/100ML)

Station ID	Station Name	Date	Result	Wet/dry
BCHFSPWHIRT	FOREST LAKE SP-RIGHT	6/26/06	* 1	no data
BCHFSPWHILF	FOREST LAKE SP-LEFT	7/21/06	* 6	no data
BCHFSPWHICR	FOREST LAKE SP-CENTER	7/21/06	* 2	no data
BCHFSPWHIRT	FOREST LAKE SP-RIGHT	7/21/06	* 4	no data
BCHFSPWHILF	FOREST LAKE SP-LEFT	8/2/06	* 120	no data
BCHFSPWHICR	FOREST LAKE SP-CENTER	8/2/06	* 150	no data
BCHFSPWHIRT	FOREST LAKE SP-RIGHT	8/2/06	* 160	no data
BCHFSPWHILF	FOREST LAKE SP-LEFT	8/4/06	* 5	no data
BCHFSPWHICR	FOREST LAKE SP-CENTER	8/4/06	* 2	no data
BCHFSPWHIRT	FOREST LAKE SP-RIGHT	8/4/06	* 4	no data
BCHFSPWHILF	FOREST LAKE SP-LEFT	7/5/07	* 16	no data
BCHFSPWHICR	FOREST LAKE SP-CENTER	7/5/07	* 16	no data
BCHFSPWHIRT	FOREST LAKE SP-RIGHT	7/5/07	* 14	no data
BCHFSPWHILF	FOREST LAKE SP-LEFT	8/1/07	* 10	no data
BCHFSPWHICR	FOREST LAKE SP-CENTER	8/1/07	* 10	no data
BCHFSPWHIRT	FOREST LAKE SP-RIGHT	8/1/07	* 4	no data
BCHFSPWHILF	FOREST LAKE SP-LEFT	8/21/07	* 2	no data
BCHFSPWHICR	FOREST LAKE SP-CENTER	8/21/07	* 1	no data
BCHFSPWHIRT	FOREST LAKE SP-RIGHT	8/21/07	* 1	no data

Shaded cells indicate exceedance of water quality criteria

* During "critical period" defined as May 24 to Sept 15 (2008 NH CALM)

J 3: ECHO LAKE – FRANCONIA STATE PARK BEACH

AUID: NHLAK801030302-01-02

Characteristics: freshwater, class B designation, designated beach, primary contact recreation.

Impairment: *E. coli*

Water Quality Criteria & TMDL for *E. coli*:

Geometric mean: 47 CTS/100mL

Single sample: 88 CTS/100mL

Percent reduction to meet TMDL:

Geometric mean: *in compliance*

Single sample: 83%

Data: 1998 - 2007 (inclusive) from NH DES, 2008 TMDL cycle

Single sample <i>E. coli</i> results (CTS/100ML)						Geometric mean <i>E. coli</i> results (CTS/100ML)	
Station ID	Station Name	Date	Result	Wet/dry		Date	Result
BCHFSPFRNLF	FRANCONIA SP-LEFT	7/30/98	* 0	dry		8/4/03	1.59
BCHFSPFRNRT	FRANCONIA SP-RIGHT	7/30/98	* 0	dry		8/3/04	5.99
BCHFSPFRNLF	FRANCONIA SP-LEFT	8/5/99	* 5	wet		9/2/05	8.77
BCHFSPFRNCR	FRANCONIA SP-CENTER	8/5/99	* 2	wet		8/2/06	22.8
BCHFSPFRNRT	FRANCONIA SP-RIGHT	8/5/99	* 14	wet		8/21/07	1.47
BCHFSPFRNLF	FRANCONIA SP-LEFT	7/28/00	* 5	dry			
BCHFSPFRNCR	FRANCONIA SP-CENTER	7/28/00	* 0	dry			
BCHFSPFRNRT	FRANCONIA SP-RIGHT	7/28/00	* 3	dry			
BCHFSPFRNLF	FRANCONIA SP-LEFT	7/27/01	* 24	no data			
BCHFSPFRNCR	FRANCONIA SP-CENTER	7/27/01	* 0	no data			
BCHFSPFRNRT	FRANCONIA SP-RIGHT	7/27/01	* 0	no data			
BCHFSPFRNLF	FRANCONIA SP-LEFT	7/22/02	* 1	dry			
BCHFSPFRNCR	FRANCONIA SP-CENTER	7/22/02	* 4	dry			
BCHFSPFRNRT	FRANCONIA SP-RIGHT	7/22/02	* 0	dry			
BCHFSPFRNCR	FRANCONIA SP-CENTER	7/1/03	* 2	wet			
BCHFSPFRNLF	FRANCONIA SP-LEFT	7/1/03	* 2	wet			
BCHFSPFRNRT	FRANCONIA SP-RIGHT	7/1/03	* 2	wet			
BCHFSPFRNCR	FRANCONIA SP-CENTER	8/4/03	* 2	no data			
BCHFSPFRNLF	FRANCONIA SP-LEFT	8/4/03	* 1	no data			
BCHFSPFRNRT	FRANCONIA SP-RIGHT	8/4/03	* 1	no data			
BCHFSPFRNCR	FRANCONIA SP-CENTER	7/13/04	* 6	dry			
BCHFSPFRNLF	FRANCONIA SP-LEFT	7/13/04	* 6	dry			
BCHFSPFRNRT	FRANCONIA SP-RIGHT	7/13/04	* 8	dry			
BCHFSPFRNCR	FRANCONIA SP-CENTER	8/3/04	* 10	no data			
BCHFSPFRNLF	FRANCONIA SP-LEFT	8/3/04	* 8	no data			
BCHFSPFRNRT	FRANCONIA SP-RIGHT	8/3/04	* 2	no data			
BCHFSPFRNCR	FRANCONIA SP-CENTER	7/20/05	* 1	wet			
BCHFSPFRNLF	FRANCONIA SP-LEFT	7/20/05	* 1	wet			
BCHFSPFRNRT	FRANCONIA SP-RIGHT	7/20/05	* 1	wet			
BCHFSPFRNCR	FRANCONIA SP-CENTER	8/9/05	* 2	no data			
BCHFSPFRNLF	FRANCONIA SP-LEFT	8/9/05	* 1	no data			

continued...

Shaded cells indicate exceedence of water quality criteria

* During "critical period" defined as May 24 to Sept 15 (2008 NH CALM)

J 3: ECHO LAKE – FRANCONIA STATE PARK BEACH (CONTINUED)

AUID: NHLAK801030302-01-02

Characteristics: freshwater, class B designation, designated beach, primary contact recreation.

Impairment: *E. coli*

Water Quality Criteria & TMDL for *E. coli*:

Geometric mean: 47 CTS/100mL

Single sample: 88 CTS/100mL

Percent reduction to meet TMDL:

Geometric mean: *in compliance*

Single sample: 83%

Data: 1998 - 2007 (inclusive) from NH DES, 2008 TMDL cycle

Single sample *E. coli* results (CTS/100ML)

Station ID	Station Name	Date	Result	Wet/dry
BCHFSPFRNRT	FRANCONIA SP-RIGHT	8/9/05	* 6	no data
BCHFSPFRNCR	FRANCONIA SP-CENTER	8/31/05	* 338	no data
BCHFSPFRNLF	FRANCONIA SP-LEFT	8/31/05	* 200	no data
BCHFSPFRNRT	FRANCONIA SP-RIGHT	8/31/05	* 530	no data
BCHFSPFRNCR	FRANCONIA SP-CENTER	9/2/05	* 6	no data
BCHFSPFRNLF	FRANCONIA SP-LEFT	9/2/05	* 16	no data
BCHFSPFRNRT	FRANCONIA SP-RIGHT	9/2/05	* 5	no data
BCHFSPFRNLF	FRANCONIA SP-LEFT	6/26/06	* 20	no data
BCHFSPFRNCR	FRANCONIA SP-CENTER	6/26/06	* 44	no data
BCHFSPFRNRT	FRANCONIA SP-RIGHT	6/26/06	* 27	no data
BCHFSPFRNLF	FRANCONIA SP-LEFT	7/18/06	* 4	wet
BCHFSPFRNCR	FRANCONIA SP-CENTER	7/18/06	* 12	wet
BCHFSPFRNRT	FRANCONIA SP-RIGHT	7/18/06	* 31	wet
BCHFSPFRNLF	FRANCONIA SP-LEFT	8/2/06	* 32	wet
BCHFSPFRNCR	FRANCONIA SP-CENTER	8/2/06	* 36	wet
BCHFSPFRNRT	FRANCONIA SP-RIGHT	8/2/06	* 41	wet
BCHFSPFRNLF	FRANCONIA SP-LEFT	7/5/07	* 1	dry
BCHFSPFRNCR	FRANCONIA SP-CENTER	7/5/07	* 1	dry
BCHFSPFRNRT	FRANCONIA SP-RIGHT	7/5/07	* 2	dry
BCHFSPFRNLF	FRANCONIA SP-LEFT	8/1/07	* 2	dry
BCHFSPFRNCR	FRANCONIA SP-CENTER	8/1/07	* 4	dry
BCHFSPFRNRT	FRANCONIA SP-RIGHT	8/1/07	* 1	dry
BCHFSPFRNLF	FRANCONIA SP-LEFT	8/21/07	* 2	no data
BCHFSPFRNCR	FRANCONIA SP-CENTER	8/21/07	* 1	no data
BCHFSPFRNRT	FRANCONIA SP-RIGHT	8/21/07	* 1	no data

Shaded cells indicate exceedence of water quality criteria

* During "critical period" defined as May 24 to Sept 15 (2008 NH CALM)

J 4: TUTTLE BROOK – TWIN MTN REC AREA BEACH

AUID: NHRIV801030402-07-02

Characteristics: freshwater, class B designation, designated beach, primary contact recreation.

Impairment: *E. coli*

Water Quality Criteria & TMDL for *E. coli*:

Geometric mean: 47 CTS/100mL

Single sample: 88 CTS/100mL

Percent reduction to meet TMDL:

Geometric mean: *in compliance*

Single sample: 54%

Data: 2002-2007 (inclusive) from NH DES, 2008 TMDL cycle

Single sample <i>E. coli</i> results (CTS/100ML)							Geometric mean <i>E. coli</i> results (CTS/100ML)	
Station ID	Station Name	Date	Result	Wet/dry	Date	Result		
BCHTMTCARLF	TUTTLE BROOK TWIN MTN REC AREA-LEFT	7/22/02	* 60	no data	8/4/03	4.74		
BCHTMTCARRT	TUTTLE BROOK TWIN MTN REC AREA-RIGHT	7/22/02	* 50	no data	8/3/04	5.42		
BCHTMTCARLF	TUTTLE BROOK TWIN MTN REC AREA-LEFT	7/1/03	* 23	no data	9/2/05	23.4		
BCHTMTCARRT	TUTTLE BROOK TWIN MTN REC AREA-RIGHT	7/1/03	* 22	no data	8/2/06	18.0		
BCHTMTCARLF	TUTTLE BROOK TWIN MTN REC AREA-LEFT	8/4/03	* 1	no data	8/21/07	2.70		
BCHTMTCARRT	TUTTLE BROOK TWIN MTN REC AREA-RIGHT	8/4/03	* 1	no data				
BCHTMTCARLF	TUTTLE BROOK TWIN MTN REC AREA-LEFT	7/13/04	* 2	no data				
BCHTMTCARRT	TUTTLE BROOK TWIN MTN REC AREA-RIGHT	7/13/04	* 12	no data				
BCHTMTCARLF	TUTTLE BROOK TWIN MTN REC AREA-LEFT	8/3/04	* 6	no data				
BCHTMTCARRT	TUTTLE BROOK TWIN MTN REC AREA-RIGHT	8/3/04	* 6	no data				
BCHTMTCARLF	TUTTLE BROOK TWIN MTN REC AREA-LEFT	7/20/05	* 30	no data				
BCHTMTCARRT	TUTTLE BROOK TWIN MTN REC AREA-RIGHT	7/20/05	* 42	no data				
BCHTMTCARLF	TUTTLE BROOK TWIN MTN REC AREA-LEFT	8/9/05	* 1	no data				
BCHTMTCARRT	TUTTLE BROOK TWIN MTN REC AREA-RIGHT	8/9/05	* 1	no data				
BCHTMTCARLF	TUTTLE BROOK TWIN MTN REC AREA-LEFT	8/31/05	* 130	no data				
BCHTMTCARRT	TUTTLE BROOK TWIN MTN REC AREA-RIGHT	8/31/05	* 190	no data				
BCHTMTCARLF	TUTTLE BROOK TWIN MTN REC AREA-LEFT	9/2/05	* 66	no data				
BCHTMTCARRT	TUTTLE BROOK TWIN MTN REC AREA-RIGHT	9/2/05	* 44	no data				
BCHTMTCARLF	TUTTLE BROOK TWIN MTN REC AREA-LEFT	6/26/06	* 4	no data				
BCHTMTCARRT	TUTTLE BROOK TWIN MTN REC AREA-RIGHT	6/26/06	* 8	no data				
BCHTMTCARLF	TUTTLE BROOK TWIN MTN REC AREA-LEFT	7/18/06	* 2	no data				
BCHTMTCARRT	TUTTLE BROOK TWIN MTN REC AREA-RIGHT	7/18/06	* 2	no data				
BCHTMTCARLF	TUTTLE BROOK TWIN MTN REC AREA-LEFT	8/2/06	* 78	no data				
BCHTMTCARRT	TUTTLE BROOK TWIN MTN REC AREA-RIGHT	8/2/06	* 80	no data				
BCHTMTCARLF	TUTTLE BROOK TWIN MTN REC AREA-LEFT	8/2/06	* 160	no data				
BCHTMTCARRT	TUTTLE BROOK TWIN MTN REC AREA-RIGHT	8/2/06	* 88	no data				
BCHTMTCARLF	TUTTLE BROOK TWIN MTN REC AREA-LEFT	7/5/07	* 12	no data				
BCHTMTCARRT	TUTTLE BROOK TWIN MTN REC AREA-RIGHT	7/5/07	* 1	no data				
BCHTMTCARLF	TUTTLE BROOK TWIN MTN REC AREA-LEFT	8/1/07	* 1	no data				
BCHTMTCARRT	TUTTLE BROOK TWIN MTN REC AREA-RIGHT	8/1/07	* 2	no data				
BCHTMTCARLF	TUTTLE BROOK TWIN MTN REC AREA-LEFT	8/21/07	* 4	no data				
BCHTMTCARRT	TUTTLE BROOK TWIN MTN REC AREA-RIGHT	8/21/07	* 4	no data				

Shaded cells indicate exceedence of water quality criteria

* During "critical period" defined as May 24 to Sept 15 (2008 NH CALM)

J 5: AMMONOOSUC RIVER

AUID: NHRIV801030403-11

Characteristics: freshwater, class B designation, not designated beach, primary contact recreation.

Impairment: *E. coli*

Water Quality Criteria & TMDL for *E. coli*:

Geometric mean: 126 CTS/100mL

Single sample: 406 CTS/100mL

Percent reduction to meet TMDL:

Geometric mean: *in compliance*

Single sample: 33%

Data: 2000 (inclusive) from NH DES

Geometric mean data: 2008 TMDL cycle

Single sample data: 2006 TMDL cycle

Single sample *E. coli* results (CTS/100ML)

Station ID	Station Name	Date	Result	Wet/dry
15-AMM	BRIDGE ST BRIDGE	6/22/00 *	170	no data
15-AMM	BRIDGE ST BRIDGE	8/4/00 *	610	wet
15-AMM	BRIDGE ST BRIDGE	8/23/00 *	10	no data

**Geometric mean
E. coli results
(CTS/100ML)**

Date	Result
8/24/05	57.4

Shaded cells indicate exceedance of water quality criteria

* During "critical period" defined as May 24 to Sept 15 (2008 NH CALM)

J 6: OLIVERIAN BROOK – MORRIS BROOK

AUID: NHRIV801030701-05

Characteristics: freshwater, class B designation, not designated beach, primary contact recreation.

Impairment: *E. coli*

Water Quality Criteria & TMDL for *E. coli*:

Geometric mean: 126 CTS/100mL

Single sample: 406 CTS/100mL

Percent reduction to meet TMDL:

Geometric mean: 84%

Single sample: 80%

Data: 2000-2002 (inclusive) from NH DES

Geometric mean data: 2006 TMDL cycle

Single sample data: 2008 TMDL cycle

Single sample *E. coli* results (CTS/100ML)

Station ID	Station Name	Date	Result	Wet/dry
01-MRB	UNMAINTAINED HWY	7/11/02	* 2000	dry

**Geometric mean
E. coli results
(CTS/100ML)**

Date	Result
8/22/00	52.9
7/13/01	804

Shaded cells indicate exceedance of water quality criteria

* During "critical period" defined as May 24 to Sept 15 (2008 NH CALM)

J 7: CLARK BROOK

AUID: NHRIV801030703-02

Characteristics: freshwater, class B designation, not designated beach, primary contact recreation.

Impairment: *E. coli*

Water Quality Criteria & TMDL for *E. coli*:

Geometric mean: 126 CTS/100mL

Single sample: 406 CTS/100mL

Percent reduction to meet TMDL:

Geometric mean: 70%

Single sample: 65%

Data: 2003-2005 (inclusive) from NH DES, 2008 TMDL cycle

Single sample *E. coli* results (CTS/100ML)

Station ID	Station Name	Date	Result	Wet/dry
02-CKB	BENTON RD BRIDGE	6/10/03	* 210	no data
02-CKB	BENTON RD BRIDGE	7/9/03	* 1170	no data
02-CKB	BENTON RD BRIDGE	7/29/03	* 290	no data
NH_HEX_17.03	CLARK BROOK	6/9/05	* 20	no data
NH_HEX_17.03	CLARK BROOK	7/12/05	* 30	no data
NH_HEX_17.03	CLARK BROOK	8/8/05	* 2.5	no data

Geometric mean *E. coli* results (CTS/100ML)

Date	Result
7/29/03	415
8/8/05	11.4

Shaded cells indicate exceedance of water quality criteria

* During "critical period" defined as May 24 to Sept 15 (2008 NH CALM)