APPENDIX B
SALMON FALLS-PISCATAQUA RIVERS
(HUC 8: 01060003)

I. WATERSHED DESCRIPTION AND MAPS

The Salmon Falls-Piscataqua Rivers Watershed covers an area of approximately 944 square miles situated on the Maine-New Hampshire border in the southeast corner of the state. This watershed includes the coast land area but does not include sites listed in Appendix O. There are 44 towns located at least partially within the Salmon Falls-Piscataqua River watershed. As shown in Figure 1, the primary watercourses in the region are the Salmon Falls and Piscataqua Rivers. The Salmon Falls River flows south from Great East Lake along the Maine-New Hampshire border until it joins the Piscataqua River at the mouth of Great Bay. The Piscataqua River carries the outflow from Great Bay to the Atlantic Ocean. The watershed has few small mountain ridges, namely the Moose Mountains and the Blue Hills Range. Much of the watershed is at low elevations supporting large estuaries in the coastal areas. There are three lakes of notable size which are Great East Lake, Lovell Lake, and Bow Lake all located in the western portion of the watershed.

The watershed consists of 63% forested land cover, a small portion of which is conserved and protected as part of state parks and wildlife management areas. Scattered areas of development and disturbed land identified on the land cover maps (Figure 2) are found along the Salmon Falls River and in urban areas of Rochester, Portsmouth, and Raymond, NH. Developed and agriculture land covers 14% of watershed area.

Based on the 2010 303(d) list, twenty two assessment units (AUs) in this watershed are listed as being impaired for bacteria. One of the AUIDs, Upper Sagamore Creek, is listed as being impaired for more than one type of bacteria (Fecal coliform and Enterococcus). The location of the bacteria impaired surface water AUs are shown on Figure 1 and are highlighted in red. Items B1 through B22 present the percent reduction needed to meet each water quality criterion (and TMDL). For Fecal coliform impairments, the percent reduction is based on selecting the highest 90th percentile value calculated from all current samples within an impaired segment then calculate the % reduction in bacteria levels needed to meet the appropriate 90th percentile water quality criteria. For E coli and Enterococcus impairments, the percent reduction is based on the highest recorded bacteria measurement that exceeds the criterion for the AU, as well as the bacteria data collected in the impaired AUID that was used to list the AU as impaired on the 2010 303(d) list then calculate the % reduction in bacteria levels needed to meet the appropriate water quality criteria.

FIGURE 1:

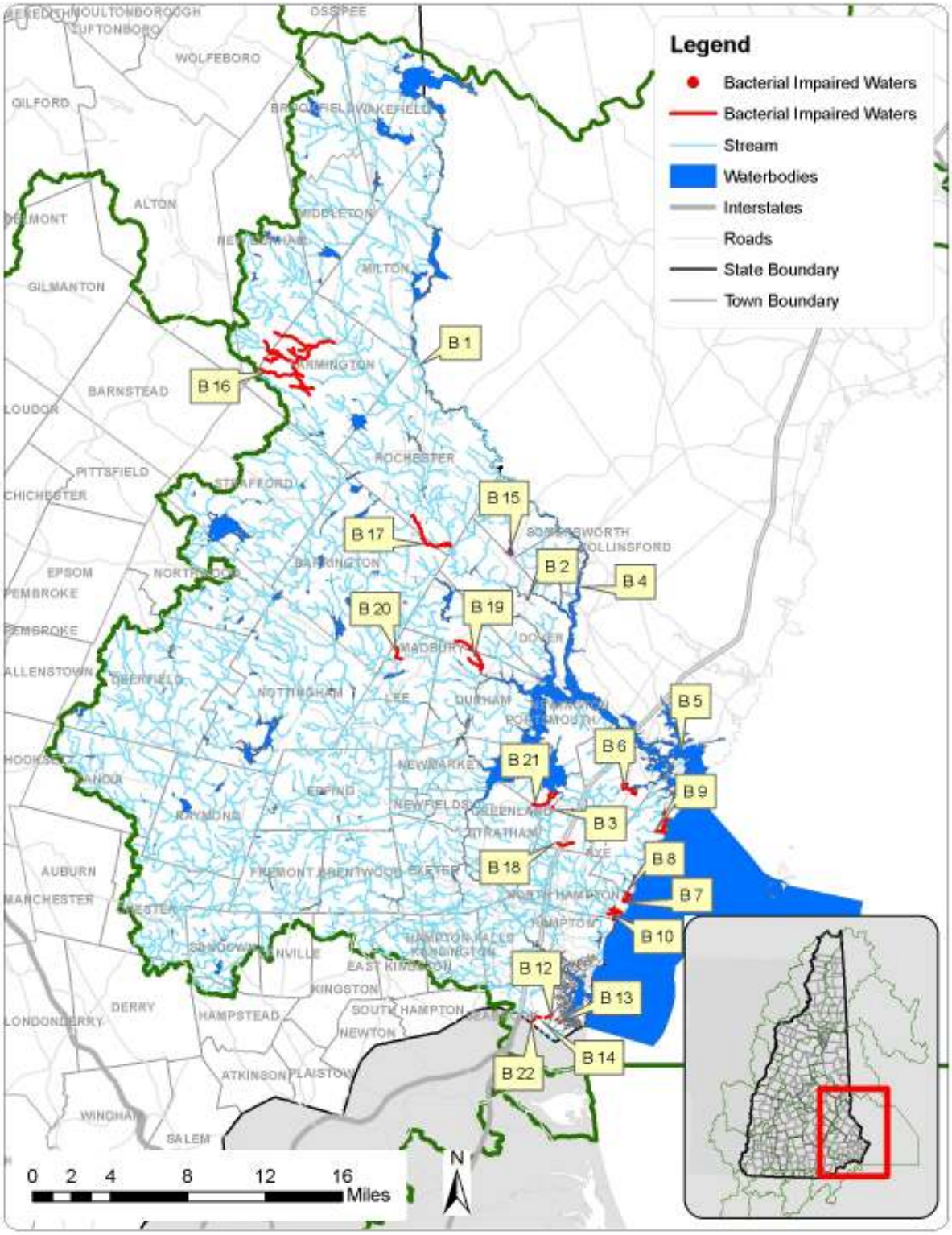
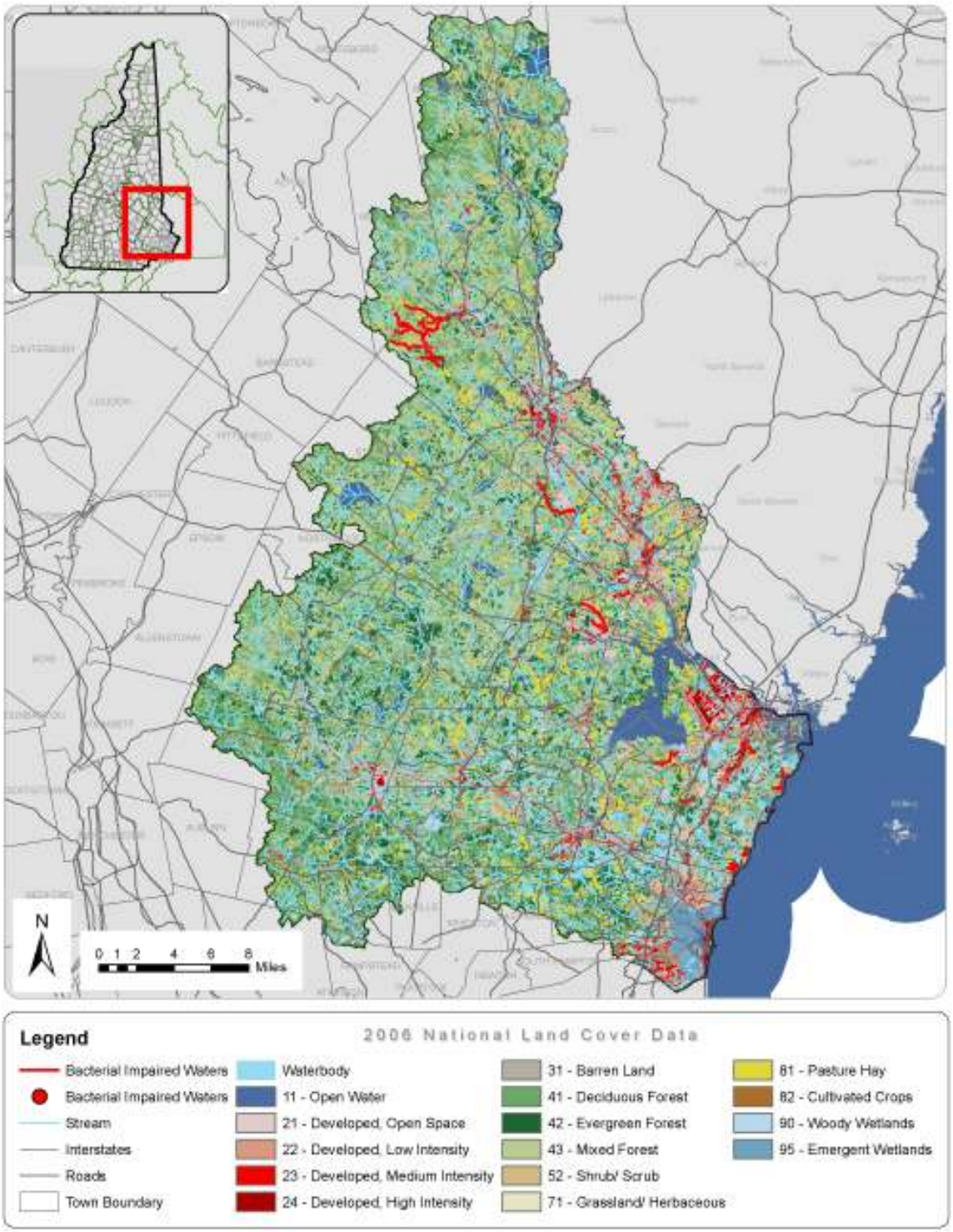

Legend
Bacterial Impaired Waters
Bacterial Impaired Waters
Stream
Waterbodies
Interstates
Roads
State Boundary
Town Boundary
B 1
B 2
B 3
B 4
B 5
B 6
B 7
B 8
B 9
B 10
B 12
B 13
B 14
B 15
B 16
B 17
B 18
B 19
B 20
B 21
B 22
WOLFEBORO
GILFORD
ALTON
MIDDLETON
MILTON
GILMANTON
BARNSTEAD
ROCHESTER
PITTSFIELD
CHICHESTER
EPSOM
DOVER
DURHAM
NEWMARKET
EPPING
RAYMOND
AUBURN
MANCHESTER
KINGSTON
DERRY
HAMPSTEAD
NEWTON
ATKINSON
PLAISTOW
SALEM
0 2 4 8 12 16
Miles
N

FIGURE 2:


N
0 1 2 4 6 8
Miles
Legend
2006 National Land Cover Data
Bacterial Impaired Waters
Bacterial Impaired Waters
Stream
Interstates
Roads
Town Boundary
Waterbody
11 - Open Water
21 - Developed, Open Space
22 - Developed, Low Intensity
23 - Developed, Medium Intensity
24 - Developed, High Intensity
31 - Barren Land
41 - Deciduous Forest
42 - Evergreen Forest
43 - Mixed Forest
52 - Shrub/ Scrub
71 - Grassland/ Herbaceous
81 - Pasture Hay
82 - Cultivated Crops
90 - Woody Wetlands
95 - Emergent Wetlands

II. WATER QUALITY DATA TABLES

TABLE OF CONTENTS

==========

B1: Salmon Falls River…….…….5
B2: Cocheco River…….……7
B3: Winnicut River……....9
B4: Upper Piscataqua –NH-North……11
B5: Upper Piscataqua –NH-South……13
B6: Upper Sagamore Creek……...……...16
B7: Chapel Brook…….……19
B8: Unnamed Brook to Bass Beach…….20
B9: Parson Creek……..21
B10: Little River…….22
B11: Upper Sagamore Creek……..23
B12: Mill Creek……..24
B13: Blackwater River……...……25
B14: Cains Brook – Noyes Pond……26
B15: Willand Pond…….27
B16: Mad River……..28
B17: Isinglass River……29
B18: Norton Brook…….30
B19: Littlehole Creek…….31
B20: Wendy's Brook……..32
B21: Foss Brook…….33
B22: Unnamed Brook to Cains Mill Pond…….34

B1: Salmon Falls River

AUID NHEST600030406-01
Characteristics: class B designation, primary contact recreation.
Impairment: *Fecal coliform*
Water Quality Criteria & TMDL for Fecal coliform
Single sample: 43 CTS/100mL
Geometric mean: 14 CTS/100mL
Percent reduction to meet TMDL:
90th Percentile: 81%
Geomteric mean: 46%
Data: 2007 - 2010 (inclusive) from NH DES, 2010 TMDL cycle

Single sample *Enterococcus* results (CTS/100ML)

Station Name	Station ID	Date	Result
SALMON FALLS RIVER	GB22	4/11/2007	2
SALMON FALLS RIVER	GB22	5/1/2007	31
SALMON FALLS RIVER	GB22	5/8/2007	17
SALMON FALLS RIVER	GB22	6/6/2007	1600
SALMON FALLS RIVER	GB22	6/20/2007	46
SALMON FALLS RIVER	GB22	7/9/2007	22
SALMON FALLS RIVER	GB22	8/1/2007	79
SALMON FALLS RIVER	GB22	9/6/2007	2
SALMON FALLS RIVER	GB22	10/3/2007	13
SALMON FALLS RIVER	GB22	10/18/2007	79
SALMON FALLS RIVER	GB22	11/6/2007	79
SALMON FALLS RIVER	GB22	12/12/2007	11
SALMON FALLS RIVER	GB22	1/8/2008	9.3
SALMON FALLS RIVER	GB22	3/4/2008	4.5
SALMON FALLS RIVER	GB22	3/24/2008	2
SALMON FALLS RIVER	GB22	4/1/2008	23
SALMON FALLS RIVER	GB22	5/5/2008	49
SALMON FALLS RIVER	GB22	5/28/2008	9.3
SALMON FALLS RIVER	GB22	6/2/2008	17
SALMON FALLS RIVER	GB22	7/9/2008	1.8
SALMON FALLS RIVER	GB22	9/9/2008	920
SALMON FALLS RIVER	GB22	10/6/2008	13
SALMON FALLS RIVER	GB22	10/16/2008	17
SALMON FALLS RIVER	GB22	11/3/2008	13
SALMON FALLS RIVER	GB22	11/10/2008	170
SALMON FALLS RIVER	GB22	11/17/2008	49
SALMON FALLS RIVER	GB22	12/3/2008	46
SALMON FALLS RIVER	GB22	2/3/2009	13
SALMON FALLS RIVER	GB22	3/10/2009	6.8
SALMON FALLS RIVER	GB22	4/14/2009	<2
SALMON FALLS RIVER	GB22	5/20/2009	17
SALMON FALLS RIVER	GB22	6/15/2009	920
SALMON FALLS RIVER	GB22	7/20/2009	33
SALMON FALLS RIVER	GB22	8/12/2009	1600
SALMON FALLS RIVER	GB22	9/1/2009	350
SALMON FALLS RIVER	GB22	9/14/2009	110

SALMON FALLS RIVER	GB22	10/12/2009	22
SALMON FALLS RIVER	GB22	11/3/2009	23
SALMON FALLS RIVER	GB22	12/15/2009	34
SALMON FALLS RIVER	GB22	3/11/2010	2
SALMON FALLS RIVER	GB22	4/12/2010	130
SALMON FALLS RIVER	GB22	5/10/2010	13
SALMON FALLS RIVER	GB22	6/14/2010	49
SALMON FALLS RIVER	GB22	7/7/2010	4.5
SALMON FALLS RIVER	GB22	8/16/2010	22
SALMON FALLS RIVER	GB22	9/7/2010	13
SALMON FALLS RIVER	GB22	10/7/2010	130
SALMON FALLS RIVER	GB22	11/30/2010	7.8
SALMON FALLS RIVER	GB22	12/1/2010	10

Shaded cells indicate exceedance of water quality criteria

B2: Cocheco River

AUID NHEST600030608-01
Characteristics: class B designation, primary contact recreation.
Impairment: *Fecal coliform*
Water Quality Criteria & TMDL for Fecal coliform
Single sample: 43 CTS/100mL
Geometric mean: 14 CTS/100mL
Percent reduction to meet TMDL:
90th Percentile: 81%
Geomteric mean: 62%
Data: 2007 - 2010 (inclusive) from NH DES, 2010 TMDL cycle

Single sample *Enterococcus* results (CTS/100ML)

Station Name	Station ID	Date	Result
COCHECO RIVER	GB21	4/11/2007	13
COCHECO RIVER	GB21	5/1/2007	49
COCHECO RIVER	GB21	5/8/2007	11
COCHECO RIVER	GB21	6/6/2007	>1600
COCHECO RIVER	GB21	6/20/2007	33
COCHECO RIVER	GB21	7/9/2007	33
COCHECO RIVER	GB21	8/1/2007	79
COCHECO RIVER	GB21	9/6/2007	4.5
COCHECO RIVER	GB21	10/3/2007	110
COCHECO RIVER	GB21	10/18/2007	79
COCHECO RIVER	GB21	11/6/2007	130
COCHECO RIVER	GB21	12/12/2007	23
COCHECO RIVER	GB21	1/8/2008	7.8
COCHECO RIVER	GB21	3/4/2008	17
COCHECO RIVER	GB21	3/24/2008	1.8
COCHECO RIVER	GB21	4/1/2008	7.8
COCHECO RIVER	GB21	5/5/2008	33
COCHECO RIVER	GB21	5/28/2008	23
COCHECO RIVER	GB21	6/2/2008	13
COCHECO RIVER	GB21	7/9/2008	79
COCHECO RIVER	GB21	9/9/2008	920
COCHECO RIVER	GB21	10/6/2008	49
COCHECO RIVER	GB21	10/16/2008	17
COCHECO RIVER	GB21	11/3/2008	13
COCHECO RIVER	GB21	11/10/2008	79
COCHECO RIVER	GB21	11/17/2008	110
COCHECO RIVER	GB21	12/3/2008	79
COCHECO RIVER	GB21	3/10/2009	17
COCHECO RIVER	GB21	4/14/2009	7.8
COCHECO RIVER	GB21	5/20/2009	7.8
COCHECO RIVER	GB21	6/15/2009	540
COCHECO RIVER	GB21	7/20/2009	17
COCHECO RIVER	GB21	8/12/2009	920
COCHECO RIVER	GB21	9/1/2009	170
COCHECO RIVER	GB21	9/14/2009	220
COCHECO RIVER	GB21	10/12/2009	79

COCHECO RIVER	GB21	11/3/2009	13
COCHECO RIVER	GB21	12/15/2009	17
COCHECO RIVER	GB21	3/11/2010	13
COCHECO RIVER	GB21	4/12/2010	33
COCHECO RIVER	GB21	5/10/2010	13
COCHECO RIVER	GB21	6/14/2010	49
COCHECO RIVER	GB21	7/7/2010	33
COCHECO RIVER	GB21	8/16/2010	49
COCHECO RIVER	GB21	9/7/2010	17
COCHECO RIVER	GB21	10/7/2010	240
COCHECO RIVER	GB21	11/30/2010	12
COCHECO RIVER	GB21	12/1/2010	13

Shaded cells indicate exceedance of water quality criteria

B3: Winnicut River

AUID NHEST600030904-01
Characteristics: class B designation, primary contact recreation.
Impairment: *Fecal coliform*
Water Quality Criteria & TMDL for Fecal coliform
Single sample: 43 CTS/100mL
Geometric mean: 14 CTS/100mL
Percent reduction to meet TMDL:
90th Percentile: 27%
Geometric mean: in compliance
Data: 2007 - 2010 (inclusive) from NH DES, 2010 TMDL cycle

Single sample *Enterococcus* results (CTS/100ML)

Station Name	Station ID	Date	Result
WINNICUT RIVER	GB82	4/11/2007	13
WINNICUT RIVER	GB82	5/1/2007	33
WINNICUT RIVER	GB82	5/8/2007	<2
WINNICUT RIVER	GB82	6/20/2007	4.5
WINNICUT RIVER	GB82	7/9/2007	4
WINNICUT RIVER	GB82	8/1/2007	49
WINNICUT RIVER	GB82	9/6/2007	<2
WINNICUT RIVER	GB82	10/3/2007	2
WINNICUT RIVER	GB82	11/6/2007	240
WINNICUT RIVER	GB82	12/12/2007	<2
WINNICUT RIVER	GB82	1/8/2008	17
WINNICUT RIVER	GB82	2/7/2008	70
WINNICUT RIVER	GB82	3/4/2008	17
WINNICUT RIVER	GB82	3/24/2008	<2
WINNICUT RIVER	GB82	4/1/2008	7.8
WINNICUT RIVER	GB82	5/5/2008	1.8
WINNICUT RIVER	GB82	5/28/2008	<2
WINNICUT RIVER	GB82	6/2/2008	14
WINNICUT RIVER	GB82	7/9/2008	<2
WINNICUT RIVER	GB82	8/6/2008	17
WINNICUT RIVER	GB82	9/9/2008	540
WINNICUT RIVER	GB82	10/6/2008	7.8
WINNICUT RIVER	GB82	10/16/2008	7.8
WINNICUT RIVER	GB82	11/3/2008	7.8
WINNICUT RIVER	GB82	11/10/2008	11
WINNICUT RIVER	GB82	11/17/2008	33
WINNICUT RIVER	GB82	12/3/2008	14
WINNICUT RIVER	GB82	4/14/2009	2
WINNICUT RIVER	GB82	5/20/2009	<2
WINNICUT RIVER	GB82	6/15/2009	23
WINNICUT RIVER	GB82	7/20/2009	23
WINNICUT RIVER	GB82	8/12/2009	280
WINNICUT RIVER	GB82	9/14/2009	13
WINNICUT RIVER	GB82	10/12/2009	7.8
WINNICUT RIVER	GB82	11/3/2009	6.8
WINNICUT RIVER	GB82	12/15/2009	22

WINNICUT RIVER	GB82	3/11/2010	13
WINNICUT RIVER	GB82	5/10/2010	13
WINNICUT RIVER	GB82	6/14/2010	17
WINNICUT RIVER	GB82	7/7/2010	<2
WINNICUT RIVER	GB82	8/16/2010	<2
WINNICUT RIVER	GB82	9/7/2010	2
WINNICUT RIVER	GB82	10/14/2010	2
WINNICUT RIVER	GB82	11/30/2010	4
WINNICUT RIVER	GB82	12/1/2010	33

Shaded cells indicate exceedance of water quality criteria

B4: Upper Piscataqua River North

AUID NHEST600031001-01-01
Characteristics: class B designation, primary contact recreation.
Impairment: *Fecal coliform*
Water Quality Criteria & TMDL for Fecal coliform
Single sample: 43 CTS/100mL
Geometric mean: 14 CTS/100mL
Percent reduction to meet TMDL:
90th Percentile: 81%
Geometric mean: 62%
Data: 2007 - 2010 (inclusive) from NH DES, 2010 TMDL cycle

Cocheco River data is used for this site. This site is Prohibited/Unclassified Closed

Single sample *Enterococcus* results (CTS/100ML)

Station Name	Station ID	Date	Result
COCHECO RIVER	GB21	4/11/2007	13
COCHECO RIVER	GB21	5/1/2007	49
COCHECO RIVER	GB21	5/8/2007	11
COCHECO RIVER	GB21	6/6/2007	>1600
COCHECO RIVER	GB21	6/20/2007	33
COCHECO RIVER	GB21	7/9/2007	33
COCHECO RIVER	GB21	8/1/2007	79
COCHECO RIVER	GB21	9/6/2007	4.5
COCHECO RIVER	GB21	10/3/2007	110
COCHECO RIVER	GB21	10/18/2007	79
COCHECO RIVER	GB21	11/6/2007	130
COCHECO RIVER	GB21	12/12/2007	23
COCHECO RIVER	GB21	1/8/2008	7.8
COCHECO RIVER	GB21	3/4/2008	17
COCHECO RIVER	GB21	3/24/2008	1.8
COCHECO RIVER	GB21	4/1/2008	7.8
COCHECO RIVER	GB21	5/5/2008	33
COCHECO RIVER	GB21	5/28/2008	23
COCHECO RIVER	GB21	6/2/2008	13
COCHECO RIVER	GB21	7/9/2008	79
COCHECO RIVER	GB21	9/9/2008	920
COCHECO RIVER	GB21	10/6/2008	49
COCHECO RIVER	GB21	10/16/2008	17
COCHECO RIVER	GB21	11/3/2008	13
COCHECO RIVER	GB21	11/10/2008	79
COCHECO RIVER	GB21	11/17/2008	110
COCHECO RIVER	GB21	12/3/2008	79
COCHECO RIVER	GB21	3/10/2009	17
COCHECO RIVER	GB21	4/14/2009	7.8
COCHECO RIVER	GB21	5/20/2009	7.8
COCHECO RIVER	GB21	6/15/2009	540
COCHECO RIVER	GB21	7/20/2009	17
COCHECO RIVER	GB21	8/12/2009	920
COCHECO RIVER	GB21	9/1/2009	170

COCHECO RIVER	GB21	9/14/2009	220
COCHECO RIVER	GB21	10/12/2009	79
COCHECO RIVER	GB21	11/3/2009	13
COCHECO RIVER	GB21	12/15/2009	17
COCHECO RIVER	GB21	3/11/2010	13
COCHECO RIVER	GB21	4/12/2010	33
COCHECO RIVER	GB21	5/10/2010	13
COCHECO RIVER	GB21	6/14/2010	49
COCHECO RIVER	GB21	7/7/2010	33
COCHECO RIVER	GB21	8/16/2010	49
COCHECO RIVER	GB21	9/7/2010	17
COCHECO RIVER	GB21	10/7/2010	240
COCHECO RIVER	GB21	11/30/2010	12
COCHECO RIVER	GB21	12/1/2010	13

B5: Upper Piscataqua River South

AUID NHEST600031001-01-03
Characteristics: class B designation, primary contact recreation.
Impairment: *Fecal coliform*
Water Quality Criteria & TMDL for Fecal coliform
Single sample: 43 CTS/100mL
Geometric mean: 14 CTS/100mL
Percent reduction to meet TMDL:
90th Percentile: 11%
Geometric mean: 70%
Data: 2007 - 2010 (inclusive) from NH DES, 2010 TMDL cycle

Single sample *Enterococcus* results (CTS/100ML)

Station Name	Station ID	Date	Result
UPPER PISCATAQUA RIVER SOUTH	GBA10	1/31/2007	17
UPPER PISCATAQUA RIVER SOUTH	GBA10	3/1/2007	22
UPPER PISCATAQUA RIVER SOUTH	GBA10	3/15/2007	4.5
UPPER PISCATAQUA RIVER SOUTH	GBA10	4/11/2007	2
UPPER PISCATAQUA RIVER SOUTH	GBA10	5/1/2007	13
UPPER PISCATAQUA RIVER SOUTH	GBA10	5/8/2007	4.5
UPPER PISCATAQUA RIVER SOUTH	GBA10	6/6/2007	>1600
UPPER PISCATAQUA RIVER SOUTH	GBA10	6/20/2007	17
UPPER PISCATAQUA RIVER SOUTH	GBA10	7/9/2007	4
UPPER PISCATAQUA RIVER SOUTH	GBA10	8/1/2007	79
UPPER PISCATAQUA RIVER SOUTH	GBA10	9/6/2007	49
UPPER PISCATAQUA RIVER SOUTH	GBA10	10/3/2007	2
UPPER PISCATAQUA RIVER SOUTH	GBA10	10/18/2007	23
UPPER PISCATAQUA RIVER SOUTH	GBA10	11/6/2007	11
UPPER PISCATAQUA RIVER SOUTH	GBA10	12/12/2007	7.8
UPPER PISCATAQUA RIVER SOUTH	GBA10	1/8/2008	33
UPPER PISCATAQUA RIVER SOUTH	GBA10	3/4/2008	2
UPPER PISCATAQUA RIVER SOUTH	GBA10	3/24/2008	7.8
UPPER PISCATAQUA RIVER SOUTH	GBA10	4/1/2008	2
UPPER PISCATAQUA RIVER SOUTH	GBA10	5/5/2008	17
UPPER PISCATAQUA RIVER SOUTH	GBA10	5/28/2008	4.5
UPPER PISCATAQUA RIVER SOUTH	GBA10	6/2/2008	4.5
UPPER PISCATAQUA RIVER SOUTH	GBA10	7/9/2008	6.8
UPPER PISCATAQUA RIVER SOUTH	GBA10	8/6/2008	110
UPPER PISCATAQUA RIVER SOUTH	GBA10	9/9/2008	1600
UPPER PISCATAQUA RIVER SOUTH	GBA10	10/6/2008	33
UPPER PISCATAQUA RIVER SOUTH	GBA10	10/16/2008	14
UPPER PISCATAQUA RIVER SOUTH	GBA10	11/3/2008	7.8
UPPER PISCATAQUA RIVER SOUTH	GBA10	11/10/2008	46
UPPER PISCATAQUA RIVER SOUTH	GBA10	11/17/2008	140
UPPER PISCATAQUA RIVER SOUTH	GBA10	12/3/2008	110
UPPER PISCATAQUA RIVER SOUTH	GBA10	2/3/2009	4.5
UPPER PISCATAQUA RIVER SOUTH	GBA10	3/10/2009	7.8
UPPER PISCATAQUA RIVER SOUTH	GBA10	4/14/2009	7.8
UPPER PISCATAQUA RIVER SOUTH	GBA10	5/20/2009	2
UPPER PISCATAQUA RIVER SOUTH	GBA10	6/15/2009	350

UPPER PISCATAQUA RIVER SOUTH	GBA10	7/20/2009	33
UPPER PISCATAQUA RIVER SOUTH	GBA10	8/12/2009	540
UPPER PISCATAQUA RIVER SOUTH	GBA10	9/1/2009	540
UPPER PISCATAQUA RIVER SOUTH	GBA10	9/14/2009	70
UPPER PISCATAQUA RIVER SOUTH	GBA10	10/12/2009	9.3
UPPER PISCATAQUA RIVER SOUTH	GBA10	11/3/2009	2
UPPER PISCATAQUA RIVER SOUTH	GBA10	12/15/2009	33
UPPER PISCATAQUA RIVER SOUTH	GBA10	1/6/2010	14
UPPER PISCATAQUA RIVER SOUTH	GBA10	2/10/2010	4.5
UPPER PISCATAQUA RIVER SOUTH	GBA10	3/11/2010	4.5
UPPER PISCATAQUA RIVER SOUTH	GBA10	4/12/2010	9
UPPER PISCATAQUA RIVER SOUTH	GBA10	5/10/2010	2
UPPER PISCATAQUA RIVER SOUTH	GBA10	6/14/2010	4.5
UPPER PISCATAQUA RIVER SOUTH	GBA10	7/7/2010	2
UPPER PISCATAQUA RIVER SOUTH	GBA10	8/16/2010	2
UPPER PISCATAQUA RIVER SOUTH	GBA10	9/7/2010	4.5
UPPER PISCATAQUA RIVER SOUTH	GBA10	10/7/2010	49
UPPER PISCATAQUA RIVER SOUTH	GBA10	11/30/2010	13
UPPER PISCATAQUA RIVER SOUTH	GBA10	12/1/2010	79

UPPER PISCATAQUA RIVER SOUTH	GBA11.5	1/31/2007	6.8
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	3/1/2007	4.5
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	3/15/2007	11
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	4/11/2007	<2
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	5/1/2007	49
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	5/8/2007	7.8
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	6/6/2007	920
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	6/20/2007	6.8
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	7/9/2007	2
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	8/1/2007	23
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	9/6/2007	170
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	10/3/2007	4
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	10/18/2007	33
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	11/6/2007	33
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	12/12/2007	33
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	1/8/2008	22
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	3/4/2008	4.5
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	3/24/2008	2
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	4/1/2008	2
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	5/5/2008	13
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	5/28/2008	2
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	6/2/2008	2
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	7/9/2008	2
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	8/6/2008	33
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	9/9/2008	1600
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	10/6/2008	49
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	10/16/2008	22
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	11/3/2008	6.8
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	11/10/2008	23
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	11/17/2008	49
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	12/3/2008	79

UPPER PISCATAQUA RIVER SOUTH	GBA11.5	1/20/2009	33
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	2/3/2009	23
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	3/10/2009	13
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	4/14/2009	14
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	5/20/2009	<2
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	6/15/2009	240
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	7/20/2009	2
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	8/12/2009	49
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	9/1/2009	23
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	9/14/2009	23
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	10/12/2009	13
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	11/3/2009	7.8
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	12/15/2009	17
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	1/6/2010	64
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	2/10/2010	4.5
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	3/11/2010	2
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	4/12/2010	14
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	5/10/2010	4
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	6/14/2010	2
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	7/7/2010	7.8
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	8/16/2010	<2
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	9/7/2010	4
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	10/7/2010	13
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	11/30/2010	33
UPPER PISCATAQUA RIVER SOUTH	GBA11.5	12/1/2010	79

Shaded cells indicate exceedance of water quality criteria

B6: Upper Sagamore Creek

AUID NHEST600031001-03
Characteristics: class B designation, primary contact recreation.
Impairment: *Fecal coliform*
Water Quality Criteria & TMDL for Fecal coliform
Single sample: 43 CTS/100mL
Geometric mean: 14 CTS/100mL
Percent reduction to meet TMDL:
90th Percentile: 69%
Geometric mean: 22%
Data: 2007 - 2010 (inclusive) from NH DES, 2010 TMDL cycle

Single sample *Enterococcus* results (CTS/100ML)

Station Name	Station ID	Date	Result
UPPER SAGAMORE CREEK	LHB18	3/5/2007	7.8
UPPER SAGAMORE CREEK	LHB18	3/13/2007	2
UPPER SAGAMORE CREEK	LHB18	4/2/2007	4.5
UPPER SAGAMORE CREEK	LHB18	5/2/2007	17
UPPER SAGAMORE CREEK	LHB18	6/27/2007	4.5
UPPER SAGAMORE CREEK	LHB18	7/30/2007	49
UPPER SAGAMORE CREEK	LHB18	8/7/2007	130
UPPER SAGAMORE CREEK	LHB18	9/24/2007	2
UPPER SAGAMORE CREEK	LHB18	10/8/2007	33
UPPER SAGAMORE CREEK	LHB18	11/14/2007	14
UPPER SAGAMORE CREEK	LHB18	12/5/2007	17
UPPER SAGAMORE CREEK	LHB18	1/8/2008	4
UPPER SAGAMORE CREEK	LHB18	2/4/2008	4.5
UPPER SAGAMORE CREEK	LHB18	3/10/2008	23
UPPER SAGAMORE CREEK	LHB18	3/18/2008	7.8
UPPER SAGAMORE CREEK	LHB18	4/8/2008	49
UPPER SAGAMORE CREEK	LHB18	5/13/2008	13
UPPER SAGAMORE CREEK	LHB18	6/16/2008	350
UPPER SAGAMORE CREEK	LHB18	7/1/2008	22
UPPER SAGAMORE CREEK	LHB18	8/13/2008	49
UPPER SAGAMORE CREEK	LHB18	9/16/2008	17
UPPER SAGAMORE CREEK	LHB18	10/1/2008	79
UPPER SAGAMORE CREEK	LHB18	11/3/2008	33
UPPER SAGAMORE CREEK	LHB18	12/1/2008	33
UPPER SAGAMORE CREEK	LHB18	12/4/2008	17
UPPER SAGAMORE CREEK	LHB18	1/27/2009	13
UPPER SAGAMORE CREEK	LHB18	2/10/2009	2
UPPER SAGAMORE CREEK	LHB18	3/10/2009	4.5
UPPER SAGAMORE CREEK	LHB18	4/6/2009	1.8
UPPER SAGAMORE CREEK	LHB18	4/13/2009	4.5
UPPER SAGAMORE CREEK	LHB18	5/4/2009	<2
UPPER SAGAMORE CREEK	LHB18	6/10/2009	26
UPPER SAGAMORE CREEK	LHB18	7/27/2009	280
UPPER SAGAMORE CREEK	LHB18	8/3/2009	13
UPPER SAGAMORE CREEK	LHB18	9/14/2009	23
UPPER SAGAMORE CREEK	LHB18	10/5/2009	4.5

UPPER SAGAMORE CREEK	LHB18	11/9/2009	13
UPPER SAGAMORE CREEK	LHB18	12/10/2009	540
UPPER SAGAMORE CREEK	LHB18	1/6/2010	4.5
UPPER SAGAMORE CREEK	LHB18	2/22/2010	7.8
UPPER SAGAMORE CREEK	LHB18	3/31/2010	540
UPPER SAGAMORE CREEK	LHB18	4/5/2010	4.5
UPPER SAGAMORE CREEK	LHB18	4/14/2010	<2
UPPER SAGAMORE CREEK	LHB18	5/20/2010	350
UPPER SAGAMORE CREEK	LHB18	6/2/2010	33
UPPER SAGAMORE CREEK	LHB18	8/3/2010	4.5
UPPER SAGAMORE CREEK	LHB18	9/9/2010	17
UPPER SAGAMORE CREEK	LHB18	10/26/2010	33
UPPER SAGAMORE CREEK	LHB18	11/1/2010	23
UPPER SAGAMORE CREEK	LHB18	11/23/2010	7.8
UPPER SAGAMORE CREEK	LHB18	12/6/2010	49
UPPER SAGAMORE CREEK	LHB20	4/2/2007	4
UPPER SAGAMORE CREEK	LHB20	5/2/2007	33
UPPER SAGAMORE CREEK	LHB20	6/27/2007	2
UPPER SAGAMORE CREEK	LHB20	7/30/2007	17
UPPER SAGAMORE CREEK	LHB20	8/7/2007	350
UPPER SAGAMORE CREEK	LHB20	9/24/2007	7.8
UPPER SAGAMORE CREEK	LHB20	10/8/2007	79
UPPER SAGAMORE CREEK	LHB20	11/14/2007	9.3
UPPER SAGAMORE CREEK	LHB20	12/5/2007	9.3
UPPER SAGAMORE CREEK	LHB20	1/8/2008	23
UPPER SAGAMORE CREEK	LHB20	2/4/2008	7.8
UPPER SAGAMORE CREEK	LHB20	3/10/2008	6.8
UPPER SAGAMORE CREEK	LHB20	3/18/2008	2
UPPER SAGAMORE CREEK	LHB20	4/8/2008	79
UPPER SAGAMORE CREEK	LHB20	5/13/2008	2
UPPER SAGAMORE CREEK	LHB20	6/16/2008	49
UPPER SAGAMORE CREEK	LHB20	7/1/2008	33
UPPER SAGAMORE CREEK	LHB20	8/13/2008	46
UPPER SAGAMORE CREEK	LHB20	9/16/2008	49
UPPER SAGAMORE CREEK	LHB20	10/1/2008	33
UPPER SAGAMORE CREEK	LHB20	11/3/2008	33
UPPER SAGAMORE CREEK	LHB20	12/1/2008	90
UPPER SAGAMORE CREEK	LHB20	12/4/2008	17
UPPER SAGAMORE CREEK	LHB20	1/27/2009	13
UPPER SAGAMORE CREEK	LHB20	2/10/2009	2
UPPER SAGAMORE CREEK	LHB20	3/10/2009	4.5
UPPER SAGAMORE CREEK	LHB20	4/6/2009	<2
UPPER SAGAMORE CREEK	LHB20	4/13/2009	4.5
UPPER SAGAMORE CREEK	LHB20	5/4/2009	2
UPPER SAGAMORE CREEK	LHB20	6/10/2009	130
UPPER SAGAMORE CREEK	LHB20	7/27/2009	350
UPPER SAGAMORE CREEK	LHB20	8/3/2009	33
UPPER SAGAMORE CREEK	LHB20	9/14/2009	23
UPPER SAGAMORE CREEK	LHB20	10/5/2009	7.8
UPPER SAGAMORE CREEK	LHB20	11/9/2009	17

UPPER SAGAMORE CREEK	LHB20	12/10/2009	110
UPPER SAGAMORE CREEK	LHB20	1/6/2010	7.8
UPPER SAGAMORE CREEK	LHB20	2/22/2010	4.5
UPPER SAGAMORE CREEK	LHB20	3/31/2010	1600
UPPER SAGAMORE CREEK	LHB20	4/5/2010	2
UPPER SAGAMORE CREEK	LHB20	4/14/2010	<2
UPPER SAGAMORE CREEK	LHB20	5/20/2010	350
UPPER SAGAMORE CREEK	LHB20	6/2/2010	23
UPPER SAGAMORE CREEK	LHB20	8/3/2010	11
UPPER SAGAMORE CREEK	LHB20	9/9/2010	27
UPPER SAGAMORE CREEK	LHB20	10/26/2010	17
UPPER SAGAMORE CREEK	LHB20	11/1/2010	49
UPPER SAGAMORE CREEK	LHB20	11/23/2010	17
UPPER SAGAMORE CREEK	LHB20	12/6/2010	49

Shaded cells indicate exceedance of water quality criteria

B7: Chapel Brook

AUID NHEST600031002-03
Characteristics: class B designation, primary contact recreation.
Impairment: *Fecal coliform*
Water Quality Criteria & TMDL for Fecal Coliform
Single sample: 43 CTS/100mL
Geometric mean: 14 CTS/100mL
Percent reduction to meet TMDL:
90th Percentile: 7%
Geometric mean: no data
Data: 2008 - 2009 (inclusive) from NH DES, 2010 TMDL cycle

Single sample *Enterococcus* results (CTS/100ML)

Station Name	Station ID	Date	Result
CHAPEL BROOK	ACPS011	9/23/2008	49
CHAPEL BROOK	ACPS011	4/22/2009	23
CHAPEL BROOK	ACPS011	5/4/2009	<2
CHAPEL BROOK	ACPS011	5/4/2009	<2
CHAPEL BROOK	ACPS011	5/4/2009	<2
CHAPEL BROOK	ACPS011	5/6/2009	90
CHAPEL BROOK	ACPS011	5/20/2009	2
CHAPEL BROOK	ACPS011	6/2/2009	7.8
CHAPEL BROOK	ACPS011	6/2/2009	9.3
CHAPEL BROOK	ACPS011	6/2/2009	4.5

Shaded cells indicate exceedance of water quality criteria

B8: Unnamed Brook to Bass Beach

AUID NHEST600031002-04
Characteristics: class B designation, primary contact recreation.
Impairment: *Fecal coliform*
Water Quality Criteria & TMDL for Fecal coliform
Single sample: 43 CTS/100mL
Geometric mean: 14 CTS/100mL
Percent reduction to meet TMDL:
90th Percentile: 85%
Geomteric mean: no data
Data: 2008 - 2009 (inclusive) from NH DES, 2010 TMDL cycle

Single sample *Enterococcus* results (CTS/100ML)

Station Name	Station ID	Date	Result
UNAMED BROOK TO BASS BEACH	ACPS010	9/23/2008	70
UNAMED BROOK TO BASS BEACH	ACPS010	4/22/2009	130
UNAMED BROOK TO BASS BEACH	ACPS010	4/22/2009	130
UNAMED BROOK TO BASS BEACH	ACPS010	5/4/2009	6.8
UNAMED BROOK TO BASS BEACH	ACPS010	5/4/2009	33
UNAMED BROOK TO BASS BEACH	ACPS010	5/4/2009	18
UNAMED BROOK TO BASS BEACH	ACPS010	5/6/2009	79
UNAMED BROOK TO BASS BEACH	ACPS010	5/6/2009	79
UNAMED BROOK TO BASS BEACH	ACPS010	5/20/2009	23
UNAMED BROOK TO BASS BEACH	ACPS010	5/20/2009	23
UNAMED BROOK TO BASS BEACH	ACPS010	6/2/2009	110
UNAMED BROOK TO BASS BEACH	ACPS010	6/2/2009	540
UNAMED BROOK TO BASS BEACH	ACPS010	6/2/2009	220

Shaded cells indicate exceedance of water quality criteria

B9: Parsons Creek

AUID NHEST600031002-05
Characteristics: class B designation, primary contact recreation.
Impairment: *Fecal coliform*
Water Quality Criteria & TMDL for Fecal coliform
Single sample: 43 CTS/100mL
Geometric mean: 14 CTS/100mL
Percent reduction to meet TMDL:
90th Percentile: 80%
Geometric mean: no data
Data: 2008 - 2009 (inclusive) from NH DES, 2010 TMDL cycle

Single sample *Enterococcus* results (CTS/100ML)

Station Name	Station ID	Date	Result
PARSONS CREEK	ACPS005	9/23/2008	13
PARSONS CREEK	ACPS005	4/21/2009	2
PARSONS CREEK	ACPS005	4/21/2009	110
PARSONS CREEK	ACPS005	4/21/2009	70
PARSONS CREEK	ACPS005	4/21/2009	220
PARSONS CREEK	ACPS005	4/22/2009	23
PARSONS CREEK	ACPS005	4/22/2009	23
PARSONS CREEK	ACPS005	5/6/2009	130
PARSONS CREEK	ACPS005	5/6/2009	130
PARSONS CREEK	ACPS005	5/20/2009	4.5
PARSONS CREEK	ACPS005	5/20/2009	4.5
PARSONS CREEK	ACPS005	6/3/2009	79
PARSONS CREEK	ACPS005	6/3/2009	23
PARSONS CREEK	ACPS005	6/3/2009	95

Shaded cells indicate exceedance of water quality criteria

B10: Little River

AUID NHEST600031002-05
Characteristics: class B designation, primary contact recreation.
Impairment: *Fecal coliform*
Water Quality Criteria & TMDL for Fecal coliform
Single sample: 43 CTS/100mL
Geometric mean: 14 CTS/100mL
Percent reduction to meet TMDL:
90th Percentile: 91%
Geometric mean: no data
Data: 2008 - 2009 (inclusive) from NH DES, 2010 TMDL cycle

Single sample *Enterococcus* results (CTS/100ML)

Station Name	Station ID	Date	Result
LITTLE RIVER	ACPS012	9/23/2008	130
LITTLE RIVER	ACPS012	4/22/2009	220
LITTLE RIVER	ACPS012	5/6/2009	23
LITTLE RIVER	ACPS012	5/6/2009	1600
LITTLE RIVER	ACPS012	5/6/2009	350
LITTLE RIVER	ACPS012	5/19/2009	110
LITTLE RIVER	ACPS012	5/19/2009	110
LITTLE RIVER	ACPS012	5/19/2009	46
LITTLE RIVER	ACPS012	5/19/2009	110
LITTLE RIVER	ACPS012	5/19/2009	110
LITTLE RIVER	ACPS012	5/19/2009	46
LITTLE RIVER	ACPS012	5/20/2009	140

Shaded cells indicate exceedance of water quality criteria

B11: Upper Sagamore Creek

AUID NHEST600031001-03
Characteristics: class B designation, primary contact recreation.
Impairment: *Enterococcus*
Water Quality Criteria & TMDL for Enterococcus
Single sample: 104 CTS/100mL
Geometric mean: 35 CTS/100mL
Percent reduction to meet TMDL:
Single sample: 100%
Geometric mean: no data
Data: 2004 - 2008 (inclusive) from NH DES, 2010 TMDL cycle

Single sample *Enterococcus* results (CTS/100ML)

Station Name	Station ID	Date	Result
UPPER SAGAMORE CREEK	04-SAG	6/29/2004	570.0
UPPER SAGAMORE CREEK	NH04-0221A	9/27/2004	2.8
UPPER SAGAMORE CREEK	NH06-0039A	8/22/2006	2.0
UPPER SAGAMORE CREEK	NH08-0537	8/6/2008	41,200.0
UPPER SAGAMORE CREEK	T18	6/29/2004	5.0

Shaded cells indicate exceedance of water quality criteria

B12: Mill Creek

AUID NHEST600031004-07
Characteristics: class B designation, primary contact recreation.
Impairment: *Enterococcus*
Water Quality Criteria & TMDL for Enterococcus
Single sample: 104 CTS/100mL
Geometric mean: 35 CTS/100mL
Percent reduction to meet TMDL:
Single sample: 65%
Geometric mean: 55%
Data: 2004 - 2008 (inclusive) from NH DES, 2010 TMDL cycle

Single sample *Enterococcus* results (CTS/100ML)

Station Name	Station ID	Date	Result
MILL CREEK	HHPS095	8/5/2008	120.0
MILL CREEK	HHPS095	8/11/2008	100.0
MILL CREEK	HHPS095	8/18/2008	170.0
MILL CREEK	HHPS095	8/18/2008	171.0
MILL CREEK	HHPS095	8/27/2008	60.0
MILL CREEK	HHPS095	9/11/2008	10.0
MILL CREEK	HHPS095	9/19/2008	20.0
MILL CREEK	HHPS095	9/25/2008	10.0
MILL CREEK	NH04-0202A	10/14/2004	0.5
MILL CREEK	NH07-0016A	8/7/2007	298.0

Geometric mean *Enterococcus* results (CTS/100ML)

Station Name	Date	Result
MILL CREEK	9/11/2008	77.1
MILL CREEK	9/16/2008	54.9

Shaded cells indicate exceedance of water quality criteria

B13 : Blackwater River

AUID NHEST600031004-08-04
Characteristics: class B designation, primary contact recreation.
Impairment: *Enterococcus*
Water Quality Criteria & TMDL for Enterococcus
Single sample: 104 CTS/100mL
Geometric mean: 35 CTS/100mL
Percent reduction to meet TMDL:
Single sample: 29%
Geometric mean: in compliance
Data: 2004 - 2008 (inclusive) from NH DES, 2010 TMDL cycle

Single sample *Enterococcus* results (CTS/100ML)

Station Name	Station ID	Date	Result
BLACKWATER RIVER	HHT1	8/5/2008	120.0
BLACKWATER RIVER	HHT1	8/11/2008	5.0
BLACKWATER RIVER	HHT1	8/18/2008	130.0
BLACKWATER RIVER	HHT1	8/18/2008	146.0
BLACKWATER RIVER	HHT1	8/27/2008	10.0
BLACKWATER RIVER	HHT1	9/11/2008	5.0
BLACKWATER RIVER	HHT1	9/19/2008	50.0
BLACKWATER RIVER	HHT1	9/25/2008	5.0
BLACKWATER RIVER	NH02-0200A	11/3/2004	9.5
BLACKWATER RIVER	NH03-0201A	8/17/2005	11.8
BLACKWATER RIVER	NH05-0203A	8/17/2005	2.0
BLACKWATER RIVER	NH08-0503	7/29/2008	89.0

Shaded cells indicate exceedance of water quality criteria

Geometric mean *Enterococcus* results (CTS/100ML)

Station Name	Date	Result
BLACKWATER RIVER	9/11/2008	33.8
BLACKWATER RIVER	9/16/2008	29.5

B14 : Cains Brook - Noyes Pond

AUID NHIMP600031004-06
Characteristics: freshwater, class B designation, primary contact recreation.
Impairment: *E coli*
Water Quality Criteria & TMDL for E coli
Single sample: 406 CTS/100Ml
Geometric mean: 126 CTS/100mL
Percent reduction to meet TMDL:
Single sample: 37%
Geometric mean: 5%
Data: 2007 - 2009 (inclusive) from NH DES, 2010 TMDL cycle

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

Station Name	Station ID	Date	Result
CAINS BROOK – NOYES POND	02-CNS	6/27/2007	200.0
CAINS BROOK – NOYES POND	02-CNS	7/26/2007	40.0
CAINS BROOK – NOYES POND	02-CNS	8/22/2007	90.0
CAINS BROOK – NOYES POND	02-CNS	6/25/2008	370.0
CAINS BROOK – NOYES POND	02-CNS	7/30/2008	20.0
CAINS BROOK – NOYES POND	02-CNS	8/27/2008	30.0
CAINS BROOK – NOYES POND	02-CNS	7/8/2009	640.0
CAINS BROOK – NOYES POND	02-CNS	8/5/2009	90.0
CAINS BROOK – NOYES POND	02-CNS	8/26/2009	40.0
CAINS BROOK – NOYES POND	02-CNS	9/24/2008	20.0

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

Station Name	Date	Result
CAINS BROOK – NOYES POND	8/22/2007	89.6
CAINS BROOK – NOYES POND	8/26/2009	132.1
CAINS BROOK – NOYES POND	9/16/2008	22.9

Shaded cells indicate exceedance of water quality criteria

A15: Willand Pond

AUID NHLAK600030405-03
Characteristics: freshwater, class A designation, primary contact recreation.
Impairment: *E coli*
Water Quality Criteria & TMDL for E coli
Single sample: 153 CTS/100mL
Geometric mean: 47 CTS/100mL
Percent reduction to meet TMDL:
Single sample: 98%
Geometric mean: 34%
Data: 2009(inclusive) from NH DES, 2010 TMDL cycle

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

Station Name	Station ID	Date	Result
WILLAND POND	WILLAND-BL	6/3/2009	9.0
WILLAND POND	WILLAND-BL	6/8/2009	9.0
WILLAND POND	WILLAND-PIPE	6/3/2009	6,400.0
WILLAND POND	WILLAND-PIPE	6/8/2009	50.0

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

Station Name	Date	Result
WILLAND POND	6/8/2009	71.4

Shaded cells indicate exceedance of water quality criteria

B16 : Mad River

AUID NHRIV600030601-08
Characteristics: freshwater, class B designation, primary contact recreation.
Impairment: *E coli*
Water Quality Criteria & TMDL for E coli
Single sample: 406 CTS/100Ml
Geometric mean: 126 CTS/100mL
Percent reduction to meet TMDL:
Single sample: 31%
Geometric mean: in compliance
Data: 2004 - 2007 (inclusive) from NH DES, 2010 TMDL cycle

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

Station Name	Station ID	Date	Result
MAD RIVER	00-MAR	6/5/2006	10.0
MAD RIVER	00-MAR	7/5/2006	60.0
MAD RIVER	01-MAR	7/12/2004	200.0
MAD RIVER	01-MAR	8/9/2004	400.0
MAD RIVER	01-MAR	6/5/2006	40.0
MAD RIVER	01-MAR	7/5/2006	320.0
MAD RIVER	01-MAR	7/19/2006	120.0
MAD RIVER	01-MAR	9/27/2004	590.0
MAD RIVER	01-MAR	9/24/2007	570.0
MAD RIVER	02-MAR	6/5/2006	40.0
MAD RIVER	02-MAR	7/5/2006	30.0
MAD RIVER	02-MAR	7/27/2006	20.0
MAD RIVER	02-MAR	9/27/2004	10.0
MAD RIVER	03-MAR	6/5/2006	0.0
MAD RIVER	03-MAR	7/5/2006	30.0
MAD RIVER	03-MAR	7/27/2006	50.0
MAD RIVER	03-MAR	9/27/2004	20.0

Shaded cells indicate exceedance of water quality criteria

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

Station Name	Date	Result
MAD RIVER	7/27/2006	36.8
MAD RIVER	9/16/2004	82.9

B17 : Isinglass River

AUID NHRIV600030607-10
Characteristics: freshwater, class B designation, primary contact recreation.
Impairment: *E coli*
Water Quality Criteria & TMDL for E coli
Single sample: 406 CTS/100Ml
Geometric mean: 126 CTS/100mL
Percent reduction to meet TMDL:
Single sample: 30%
Geometric mean: 41%
Data: 2004 - 2009 (inclusive) from NH DES, 2010 TMDL cycle

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

Station Name	Station ID	Date	Result
ISINGLASS RIVER	02-ISG	8/30/2004	330.0
ISINGLASS RIVER	02-ISG	6/22/2007	130.0
ISINGLASS RIVER	02-ISG	7/24/2007	40.0
ISINGLASS RIVER	02-ISG	8/14/2007	90.0
ISINGLASS RIVER	02-ISG	6/6/2008	110.0
ISINGLASS RIVER	02-ISG	7/9/2008	90.0
ISINGLASS RIVER	02-ISG	8/1/2008	580.0
ISINGLASS RIVER	02-ISG	6/25/2009	110.0
ISINGLASS RIVER	02-ISG	7/23/2009	130.0
ISINGLASS RIVER	02-ISG	8/20/2009	150.0
ISINGLASS RIVER	03-ISG	8/30/2004	530.0
ISINGLASS RIVER	03-ISG	6/22/2007	50.0
ISINGLASS RIVER	03-ISG	7/24/2007	100.0
ISINGLASS RIVER	03-ISG	8/14/2007	180.0
ISINGLASS RIVER	03-ISG	6/6/2008	170.0
ISINGLASS RIVER	03-ISG	7/9/2008	200.0
ISINGLASS RIVER	03-ISG	8/1/2008	470.0
ISINGLASS RIVER	03-ISG	6/25/2009	160.0
ISINGLASS RIVER	03-ISG	7/23/2009	180.0
ISINGLASS RIVER	03-ISG	8/20/2009	200.0

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

Station Name	Date	Result
ISINGLASS RIVER	8/14/2007	86.6
ISINGLASS RIVER	8/1/2008	212.4
ISINGLASS RIVER	8/20/2009	152.0

Shaded cells indicate exceedance of water quality criteria

B18 : Norton Brook

AUID NHRIV600030901-06
Characteristics: freshwater, class B designation, primary contact recreation.
Impairment: *E coli*
Water Quality Criteria & TMDL for E coli
Single sample: 406 CTS/100Ml
Geometric mean: 126 CTS/100mL
Percent reduction to meet TMDL:
Single sample: 83%
Geometric mean: no data
Data: 2006 (inclusive) from NH DES, 2010 TMDL cycle

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

Station Name	Station ID	Date	Result
NORTON BROOK	200201268NB1	7/12/2006	2,400.0
NORTON BROOK	200201268NB1	8/4/2006	2,400.0
NORTON BROOK	200201268NB1	9/12/2006	230.0
NORTON BROOK	200201268NB1	10/17/2006	180.0

Shaded cells indicate exceedance of water quality criteria

B19 : Littlehole Creek

AUID NHRIV600030902-11
Characteristics: freshwater, class B designation, primary contact recreation.
Impairment: *E coli*
Water Quality Criteria & TMDL for E coli
Single sample: 406 CTS/100Ml
Geometric mean: 126 CTS/100mL
Percent reduction to meet TMDL:
Single sample: 42%
Geometric mean: 60%
Data: 2008 - 2009 (inclusive) from NH DES, 2010 TMDL cycle

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

Station Name	Station ID	Date	Result
LITTLEHOLE CREEK	02G-BRD	6/24/2008	700.0
LITTLEHOLE CREEK	02G-BRD	7/22/2008	500.0
LITTLEHOLE CREEK	02G-BRD	8/19/2008	90.0
LITTLEHOLE CREEK	02G-BRD	6/25/2009	100.0
LITTLEHOLE CREEK	02G-BRD	7/22/2009	150.0
LITTLEHOLE CREEK	02G-BRD	8/17/2009	160.0
LITTLEHOLE CREEK	02G-BRD	9/15/2009	60.0
LITTLEHOLE CREEK	02G-BRD	9/16/2008	100.0
LITTLEHOLE CREEK	02G-BRD	10/14/2008	60.0
LITTLEHOLE CREEK	02G-BRD	10/13/2009	90.0

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

Station Name	Date	Result
LITTLEHOLE CREEK	8/19/2008	315.8
LITTLEHOLE CREEK	8/17/2009	133.9
LITTLEHOLE CREEK	9/15/2009	112.9
LITTLEHOLE CREEK	9/16/2008	165.1
LITTLEHOLE CREEK	9/16/2008	81.4
LITTLEHOLE CREEK	9/16/2009	95.2

Shaded cells indicate exceedance of water quality criteria

B20 : Wendys Brook

AUID NHRIV600030902-16
Characteristics: freshwater, class A designation, primary contact recreation.
Impairment: *E coli*
Water Quality Criteria & TMDL for E coli
Single sample: 153 CTS/100Ml
Geometric mean: 47 CTS/100mL
Percent reduction to meet TMDL:
Single sample: 99%
Geometric mean: 98%
Data: 2008 - 2009 (inclusive) from NH DES, 2010 TMDL cycle

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

Station Name	Station ID	Date	Result
WENDYS BROOK	01-WDY	6/24/08	2,000.0
WENDYS BROOK	01-WDY	7/22/08	5,400.0
WENDYS BROOK	01-WDY	8/19/08	1,700.0
WENDYS BROOK	01-WDY	6/4/09	1,120.0
WENDYS BROOK	01-WDY	6/25/09	9,300.0
WENDYS BROOK	01-WDY	7/22/09	11,500.0
WENDYS BROOK	01-WDY	8/17/09	12,000.0
WENDYS BROOK	01-WDY	9/15/09	11,000.0
WENDYS BROOK	01-WDY	9/16/08	560.0
WENDYS BROOK	01-WDY	10/14/08	20.0
WENDYS BROOK	01-WDY	10/13/09	3,500.0
WENDYS BROOK	04-WDY	6/4/09	2,000.0
WENDYS BROOK	04-WDY	7/29/09	2,000.0
WENDYS BROOK	04-WDY	9/22/09	11,000.0
WENDYS BROOK	04K-WDY	9/22/09	5.0
WENDYS BROOK	04P-WDY	9/22/09	9.0
WENDYS BROOK	05-WDY	7/29/09	90.0
WENDYS BROOK	05-WDY	9/22/09	5.0
WENDYS BROOK	06-WDY	7/29/09	60.0
WENDYS BROOK	06T-WDY	7/29/09	50.0
WENDYS BROOK	06X-WDY	7/29/09	40.0
WENDYS BROOK	07-WDY	6/4/09	110.0

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

Station Name	Date	Result
WENDYS BROOK	8/19/08	2,638.1
WENDYS BROOK	7/29/09	473.7
WENDYS BROOK	8/17/09	638.8
WENDYS BROOK	9/15/09	652.3
WENDYS BROOK	9/16/08	1,725.9
WENDYS BROOK	9/16/08	267.0
WENDYS BROOK	9/16/09	181.5
WENDYS BROOK	9/16/09	380.0

Shaded cells indicate exceedance of water quality criteria

B21 : Foss Brook

AUID NHRIV600030904-05
Characteristics: freshwater, class B designation, primary contact recreation.
Impairment: *E coli*
Water Quality Criteria & TMDL for E coli
Single sample: 406 CTS/100Ml
Geometric mean: 126 CTS/100mL
Percent reduction to meet TMDL:
Single sample: 95%
Geometric mean: no data
Data: 2008 (inclusive) from NH DES, 2010 TMDL cycle

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

Station Name	Station ID	Date	Result
FOSS BROOK	GBPS063	6/10/2008	8,900.0
FOSS BROOK	GBPS063B	6/10/2008	2,200.0
FOSS BROOK	GBPS063C	6/10/2008	350.0
FOSS BROOK	GBPS065	6/10/2008	520.0

Shaded cells indicate exceedance of water quality criteria

B22 : Unnamed Brook to Cains Mill Pond

AUID NHRIV600031004-21
Characteristics: freshwater, class B designation, primary contact recreation.
Impairment: *E coli*
Water Quality Criteria & TMDL for E coli
Single sample: 406 CTS/100Ml
Geometric mean: 126 CTS/100mL
Percent reduction to meet TMDL:
Single sample: 97%
Geometric mean: 92%
Data: 2004 - 2006 (inclusive) from NH DES, 2010 TMDL cycle

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

Station Name	Station ID	Date	Result
UNNAMED BROOK TO CAINS MILL POND	CB10	6/1/2004	4.0
UNNAMED BROOK TO CAINS MILL POND	CB10	6/3/2004	20.0
UNNAMED BROOK TO CAINS MILL POND	CB10	6/9/2004	4.0
UNNAMED BROOK TO CAINS MILL POND	CB10	6/23/2004	4.0
UNNAMED BROOK TO CAINS MILL POND	CB10	6/29/2004	160.0
UNNAMED BROOK TO CAINS MILL POND	CB10	7/7/2004	16.0
UNNAMED BROOK TO CAINS MILL POND	CB10	7/15/2004	310.0
UNNAMED BROOK TO CAINS MILL POND	CB10	7/21/2004	150.0
UNNAMED BROOK TO CAINS MILL POND	CB10	8/3/2004	200.0
UNNAMED BROOK TO CAINS MILL POND	CB10	8/24/2004	90.0
UNNAMED BROOK TO CAINS MILL POND	CB10	9/7/2004	460.0
UNNAMED BROOK TO CAINS MILL POND	CB10	9/16/2004	12,120.0
UNNAMED BROOK TO CAINS MILL POND	CB10	11/3/2004	810.0
UNNAMED BROOK TO CAINS MILL POND	CB10	11/23/2004	910.0
UNNAMED BROOK TO CAINS MILL POND	CB10	11/30/2004	20.0
UNNAMED BROOK TO CAINS MILL POND	SB6000	6/6/2005	5.0
UNNAMED BROOK TO CAINS MILL POND	SB6000	7/14/2005	5.0
UNNAMED BROOK TO CAINS MILL POND	SB6000	6/14/2006	20.0
UNNAMED BROOK TO CAINS MILL POND	SB6000	6/21/2006	9.0

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

Station Name	Date	Result
UNNAMED BROOK TO CAINS MILL POND	7/21/2004	25.0
UNNAMED BROOK TO CAINS MILL POND	8/3/2004	45.1
UNNAMED BROOK TO CAINS MILL POND	8/24/2004	113.5
UNNAMED BROOK TO CAINS MILL POND	9/7/2004	207.5
UNNAMED BROOK TO CAINS MILL POND	9/16/2004	432.0
UNNAMED BROOK TO CAINS MILL POND	9/16/2004	1652.9
UNNAMED BROOK TO CAINS MILL POND	11/16/2004	245.2

Shaded cells indicate exceedance of water quality criteria