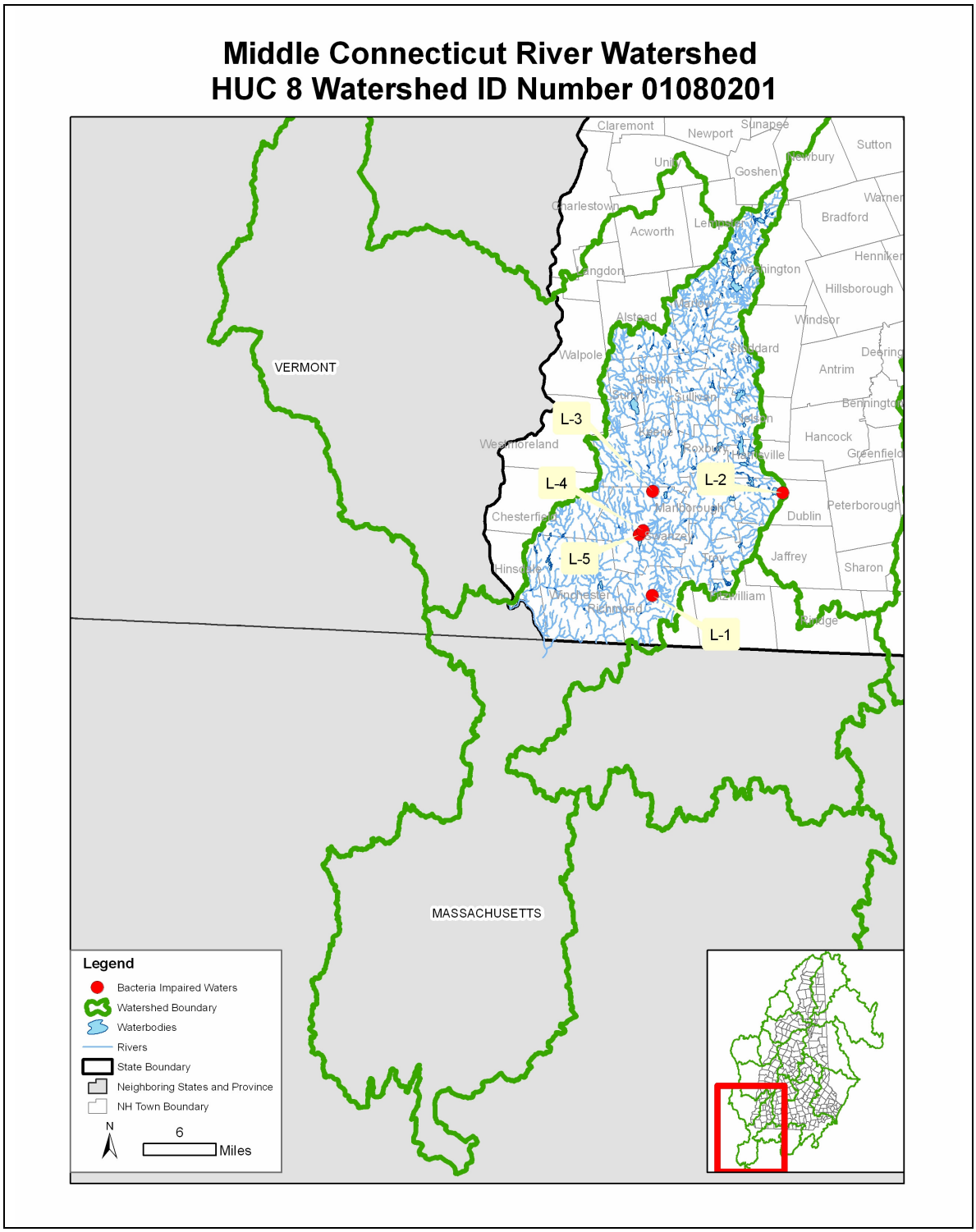
APPENDIX L
MIDDLE CONNECTICUT RIVER WATERSHED
(HUC8: 01080201)

I. WATERSHED DESCRIPTION AND MAPS

This section of the Connecticut River Watershed covers an area of approximately 480 square miles in the southwest corner of New Hampshire. The watershed extends into Vermont and Massachusetts as well. There are 25 New Hampshire towns located at least partially within the watershed which stretches from Goshen, NH to Gill, MA. As shown in Figure 1, the primary watercourse in the region is the Ashuelot River which flows southwest through Keene, NH before bending west to join the Connecticut River on the Vermont border in Hinsdale. Franconia Mountain Range is located in this watershed along with many independent mountains. Aquatic features in this watershed are Silver Lake, Surry Mountain Lake, and Ashuelot Pond.

Based on the 2012 303(d) list, five assessment units (AUs) in this watershed are listed as being impaired for bacteria. The location of the bacteria impaired surface water AUs are shown on Figure 1 as red circles. Items L1 through L5 present the percent reduction needed to meet each water quality criterion (and TMDL), 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 2012 303(d) list.

FIGURE 1:


Middle Connecticut River Watershed
HUC 8 Watershed ID Number 01080201
VERMONT
MASSACHUSETTS
L-1
L-2
L-3
L-4
L-5
Claremont
Newport
Sunapee
Sutton
Newbury
Goshen
Charlestown
Acworth
Bradford
Warner
Henniker
Hillsborough
Windsor
Deering
Antrim
Hancock
Greenfield
Peterborough
Dublin
Jaffrey
Sharon
Walpole
Alstead
Chesterfield
Winchester
Richmond
Legend
Bacteria Impaired Waters
Watershed Boundary
Waterbodies
Rivers
State Boundary
Neighboring States and Province
NH Town Boundary
N
6
Miles

II. WATER QUALITY DATA TABLES

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L1: Camp Wiyaka Beach

AUID NHLAK802010402-01-01
Characteristics: freshwater, class B, designated beach, primary contact recreation.
Impairment: *E coli*
Water Quality Criteria & TMDL for E coli
Single sample: 88 CTS/100Ml
Geometric mean: 47 CTS/100mL
Percent reduction to meet TMDL:
Single sample: 78%
Geometric mean: complies
Data: NHDES EMD, 2012 303(d)

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

Station Name	Station ID	Date	Result
CAMP WIYAKA BEACH	BCHWIYRICLF	7/30/01	2
CAMP WIYAKA BEACH	BCHWIYRICLF	7/25/02	5
CAMP WIYAKA BEACH	BCHWIYRICLF	6/28/04	1
CAMP WIYAKA BEACH	BCHWIYRICLF	7/25/05	4
CAMP WIYAKA BEACH	BCHWIYRICLF	7/5/06	2
CAMP WIYAKA BEACH	BCHWIYRICLF	7/31/07	48
CAMP WIYAKA BEACH	BCHWIYRICLF	8/6/07	1
CAMP WIYAKA BEACH	BCHWIYRICLF	7/10/08	2
CAMP WIYAKA BEACH	BCHWIYRICLF	8/3/10	1
CAMP WIYAKA BEACH	BCHWIYRICLF	8/1/11	1
CAMP WIYAKA BEACH	BCHWIYRICLF	8/3/11	6
CAMP WIYAKA BEACH	BCHWIYRICRT	7/30/01	2
CAMP WIYAKA BEACH	BCHWIYRICRT	7/25/02	1
CAMP WIYAKA BEACH	BCHWIYRICRT	6/28/04	1
CAMP WIYAKA BEACH	BCHWIYRICRT	7/25/05	4
CAMP WIYAKA BEACH	BCHWIYRICRT	7/5/06	1
CAMP WIYAKA BEACH	BCHWIYRICRT	7/31/07	250
CAMP WIYAKA BEACH	BCHWIYRICRT	8/6/07	1
CAMP WIYAKA BEACH	BCHWIYRICRT	7/10/08	4
CAMP WIYAKA BEACH	BCHWIYRICRT	8/3/09	7
CAMP WIYAKA BEACH	BCHWIYRICRT	8/3/10	1
CAMP WIYAKA BEACH	BCHWIYRICRT	8/1/11	400
CAMP WIYAKA BEACH	BCHWIYRICRT	8/3/11	4

Shaded cells indicate exceedance of water quality criteria

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

Station Name	Date	Result
CAMP WIYAKA BEACH	8/6/07	10.47
CAMP WIYAKA BEACH	8/3/11	9.90

Shaded cells indicate exceedance of water quality criteria

L2: Aldridge

AUID NHRIV802010202-44
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: 65%
Geometric mean: no data%
Data: NHDES EMD, 2012 303(d)

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

Station Name	Station ID	Date	Result
ALDRIDGE	DUBDUBAL	6/15/07	20
ALDRIDGE	DUBDUBAL	9/11/07	1150
ALDRIDGE	DUBDUBAL	7/3/08	70
ALDRIDGE	DUBDUBAL	9/11/08	20
ALDRIDGE	DUBDUBAL	6/2/09	5
ALDRIDGE	DUBDUBAL	9/10/09	10
ALDRIDGE	DUBDUBAL	6/3/10	670
ALDRIDGE	DUBDUBAL	6/14/10	20
ALDRIDGE	DUBDUBAL	6/8/11	30
ALDRIDGE	DUBDUBAL	9/15/11	10
ALDRIDGE	DUBDUBAL	10/12/10	10

Shaded cells indicate exceedance of water quality criteria

L3: Ashuelot River

AUID NHRIV802010301-11
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: 41%
Geometric mean: complies
Data: NHDES EMD, 2012 303(d)

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

Station Name	Station ID	Date	Result
ASHUELOT RIVER	16D-ASH	6/23/09	109
ASHUELOT RIVER	16D-ASH	7/21/09	70
ASHUELOT RIVER	16D-ASH	8/18/09	130
ASHUELOT RIVER	16D-ASH	10/1/09	53
ASHUELOT RIVER	16D-ASH	8/17/10	435
ASHUELOT RIVER	16D-ASH	9/14/10	219
ASHUELOT RIVER	16D-ASH	8/16/11	687
ASHUELOT RIVER	16D-ASH	9/13/11	27

Shaded cells indicate exceedance of water quality criteria

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

Station Name	Date	Result
ASHUELOT RIVER	8/18/09	99.73
ASHUELOT RIVER	9/15/09	78.42

L4: Unnamed Brook – Pine Inlet B

AUID NHRIV802010302-06
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: 22%
Geometric mean: no data%
Data: NHDES EMD, 2012 303(d)

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

Station Name	Station ID	Date	Result
UNNAMED BROOK – PINE INLET B	SWASWAIB	6/1/06	10
UNNAMED BROOK – PINE INLET B	SWASWAIB	7/12/10	20
UNNAMED BROOK – PINE INLET B	SWASWAIB	8/2/10	10
UNNAMED BROOK – PINE INLET B	SWASWAIB	6/22/11	480
UNNAMED BROOK – PINE INLET B	SWASWAIB	8/15/11	520
UNNAMED BROOK – PINE INLET B	SWASWAIB	9/16/09	20

Shaded cells indicate exceedance of water quality criteria

L5: Pine Inlet A

AUID NHRIV802010302-07
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: 78%
Geometric mean: no data%
Data: NHDES EMD, 2012 303(d)

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

Station Name	Station ID	Date	Result
PINE INLET A	SWASWAIA	06/01/06	10
PINE INLET A	SWASWAIA	07/01/09	510
PINE INLET A	SWASWAIA	07/12/10	20
PINE INLET A	SWASWAIA	08/02/10	180
PINE INLET A	SWASWAIA	06/22/11	1880
PINE INLET A	SWASWAIA	08/15/11	440
PINE INLET A	SWASWAIA	09/16/09	20

Shaded cells indicate exceedance of water quality criteria