

APPENDIX H

CONNECTICUT RIVER WHITE

RIVER TO BELLOWS FALLS WATERSHED

(HUC8: 01080106)

I. WATERSHED DESCRIPTION AND MAPS

This section of the Connecticut River Watershed covers an area of approximately 733 square miles in the lower half of the state along the Vermont-New Hampshire border. There are 27 towns located at least partially within the watershed. The upper reaches of the watershed are in Lyme and Dorchester and extend to the lower reaches in Walpole, NH. As shown in Figure 1, the primary watercourse in the region is the Connecticut River which flows south along the VT-NH border. Notable mountains in the area are the Moose Mountains along the northwestern border, the Sunapee Mountains to the south, and many independent mountains. Lakes that dot this watershed include Lake Sunapee, Mascoma Lake, and Goose Pond.

The watershed consists of 79% forested land cover. A large portion of the forest is conserved and protected as part of the Springfield Town Forest, Enfield Wildlife Management Area, Cardigan State Park, Corban Park, Mount Sunapee State Park, and numerous others. Developed and disturbed land identified on the following land cover map (Figure 2) is concentrated in 4 urban areas located in the watershed and along major roadways. Highway 89 passes through the middle of the watershed from northwest to southeast. Development accounts for 5% of watershed area while agriculture accounts for 7%, concentrated along the southwestern state border.

Based on the 2010 303(d) list, one assessment unit (AU) in this watershed is listed as being impaired for bacteria. The location of the bacteria impaired surface water AU is shown on Figure 1 as a red line. Item H1 presents 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 2010 303(d) list.

FIGURE 1:

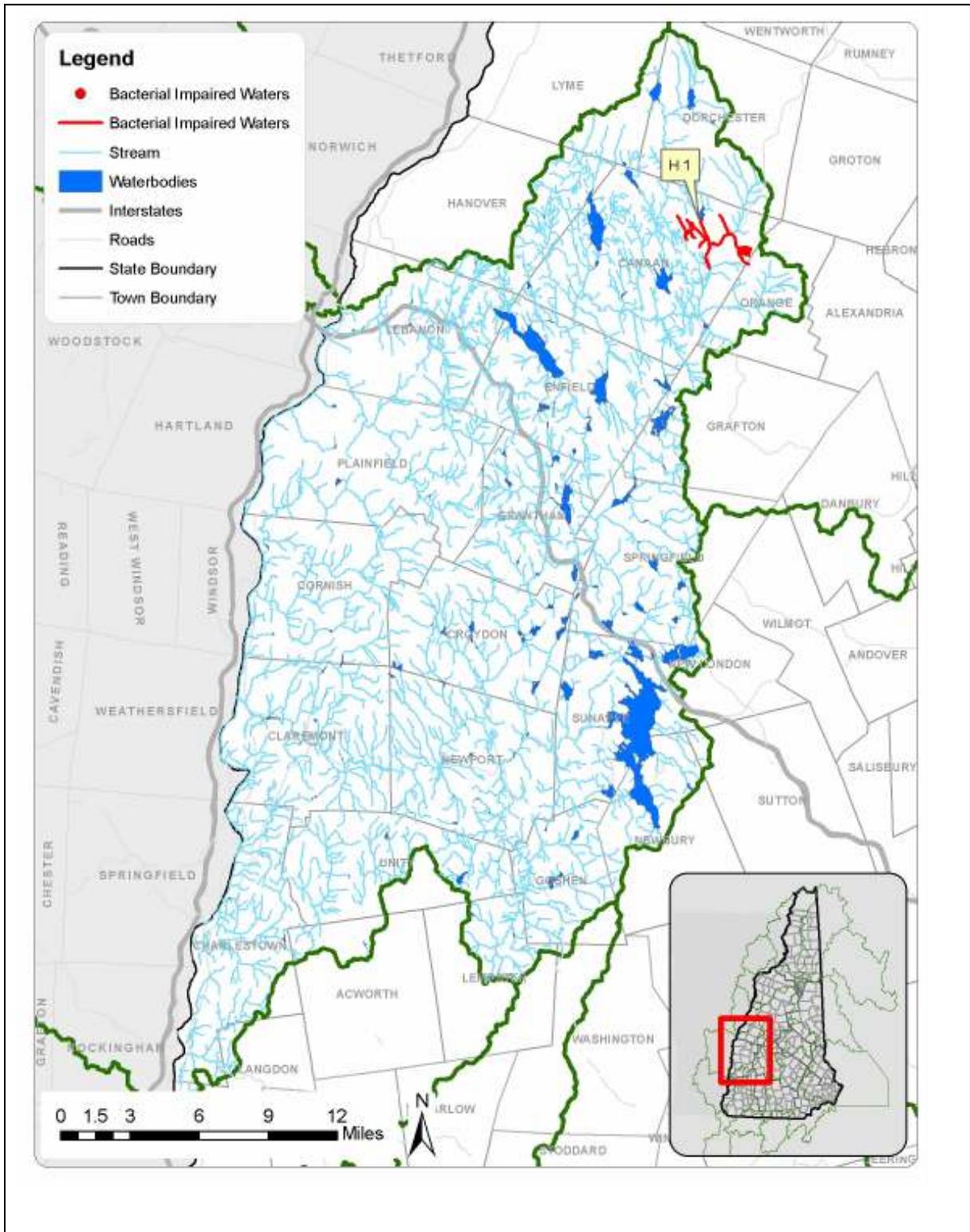
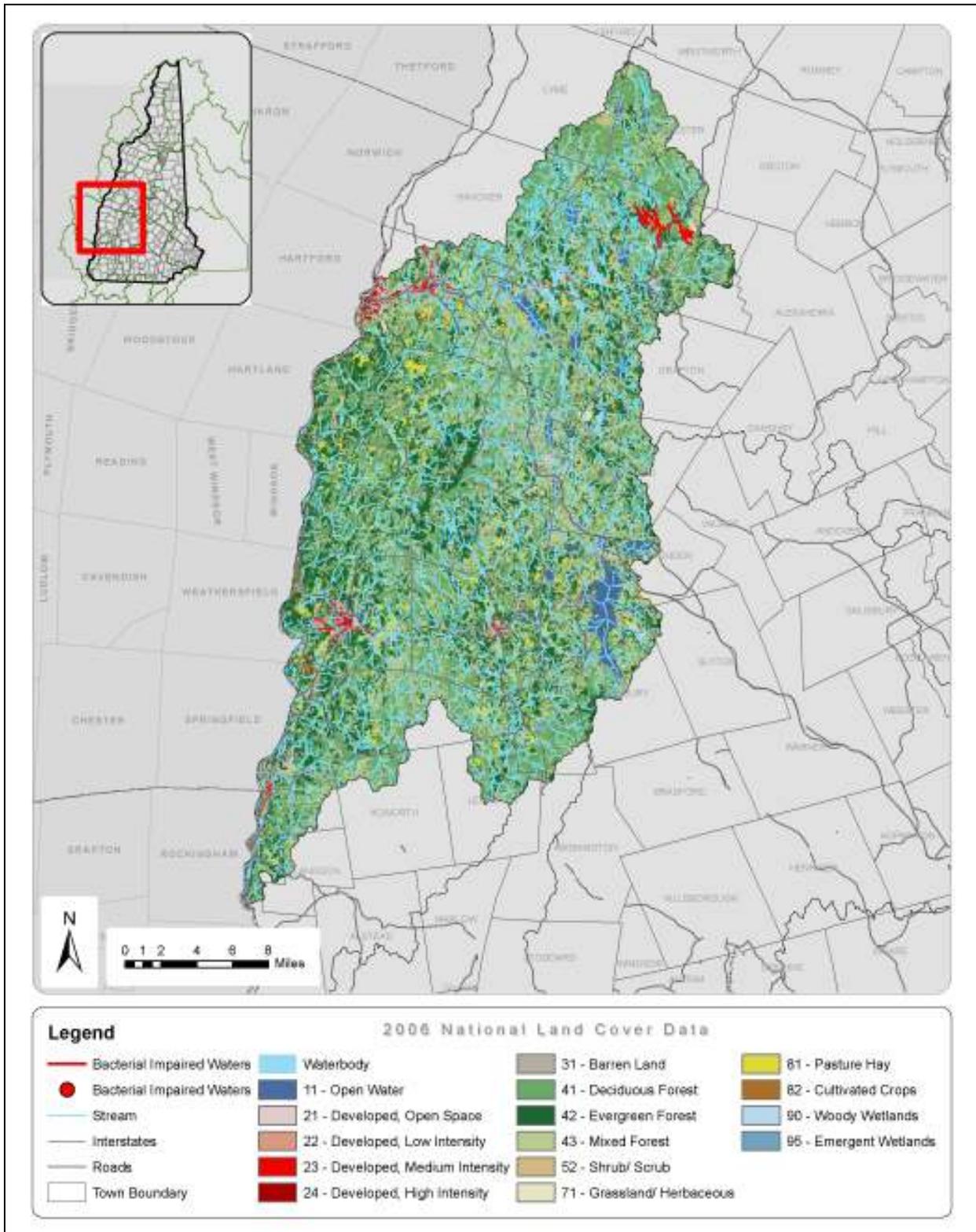


FIGURE 2:



II. WATER QUALITY DATA TABLES

TABLE OF CONTENTS

H1: Indian River – Unnamed Brook.....	5
---------------------------------------	---

H1: Indian River – Unnamed Brook

AUID NHRIV801060102-03

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

Impairment: *E coli*

Water Quality Criteria & TMDL for *E coli*

Single sample: 406 CTS/100MI

Geometric mean: 126 CTS/100mL

Percent reduction to meet TMDL:

Single sample: 70%

Geometric mean: 33%

Data: 2009 (inclusive) from NH DES, 2010 TMDL cycle

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

Station Name	Station ID	Date	Result
INDIAN RIVER – UNNAMED BROOK	08-INR	6/29/2009	1,360.0
INDIAN RIVER – UNNAMED BROOK	08-INR	7/27/2009	50.0
INDIAN RIVER – UNNAMED BROOK	08-INR	8/24/2009	100.0

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

Station Name	Date	Result
INDIAN RIVER – UNNAMED BROOK	8/24/2009	189.5

Shaded cells indicate exceedance of water quality criteria