

APPENDIX E-2  
NEW HAMPSHIRE NATURAL HERITAGE BUREAU  
THREATENED AND ENDANGERED SPECIES ROLFE CANAL PROJECT REVIEW  
DTD MAY 23, 2012

# Memo



NH NATURAL HERITAGE BUREAU  
NHB DATACHECK RESULTS LETTER

**To:** Stephen Hickey, Hydro Management Group  
c/o Essex Hydro Associates, L.L.C.  
55 Union Street, 4th Floor  
Boston, MA 02108

**From:** Melissa Coppola, NH Natural Heritage Bureau

**Date:** 5/23/2012 (valid for one year from this date)

**Re:** Review by NH Natural Heritage Bureau

NHB File ID: NHB12-1172

Town: Boscawen

Location: Tax Maps: map 144P, lot 40-1

Description: The Rolfe Canal hydroelectric project is an existing run of the river hydroelectric project located on the Contoocook river in the Village of Boscawen, City of Concord, NH. The hydroelectric project was constructed in 1984 at the site of the existing York Dam, a state-owned dam constructed in 1925. Briar Hydro Associates, the owner and operator of the Rolf Canal project is submitting an application to the Low Impact Hydropower institute for the low impact certification of the Rolfe Canal project. No new land disturbance is associated with the application. As a requirement of the application, Briar Hydro Associates needs confirmation from your agency of any state and /or federal listed threatened or endangered species found within the project boundary as well as confirmation that the project's run of the river operations are not negatively affecting species.

cc: Kim Tuttle

As requested, I have searched our database for records of rare species and exemplary natural communities, with the following results.

## Comments:

### Plant species

long-leaved pondweed (*Potamogeton nodosus*)\*

State<sup>1</sup>

Federal

Notes

T

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Threats to aquatic species include changes in water quality, e.g., due to pollution and stormwater runoff, and significant changes in water level.

### Vertebrate species

Wood Turtle (*Glyptemys insculpta*)

State<sup>1</sup>

Federal

Notes

SC

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Contact the NH Fish & Game Dept (see below).

<sup>1</sup>Codes: "E" = Endangered, "T" = Threatened, "--" = an exemplary natural community, or a rare species tracked by NH Natural Heritage that has not yet been added to the official state list. An asterisk (\*) indicates that the most recent report for that occurrence was more than 20 years ago.

Contact for all animal reviews: Kim Tuttle, NH F&G, (603) 271-6544.

A negative result (no record in our database) does not mean that a sensitive species is not present. Our data can only tell you of known occurrences, based on information gathered by qualified biologists and reported to our office. However, many areas have never been surveyed, or have only been surveyed for certain species. An on-site survey would provide better information on what species and communities are indeed present.

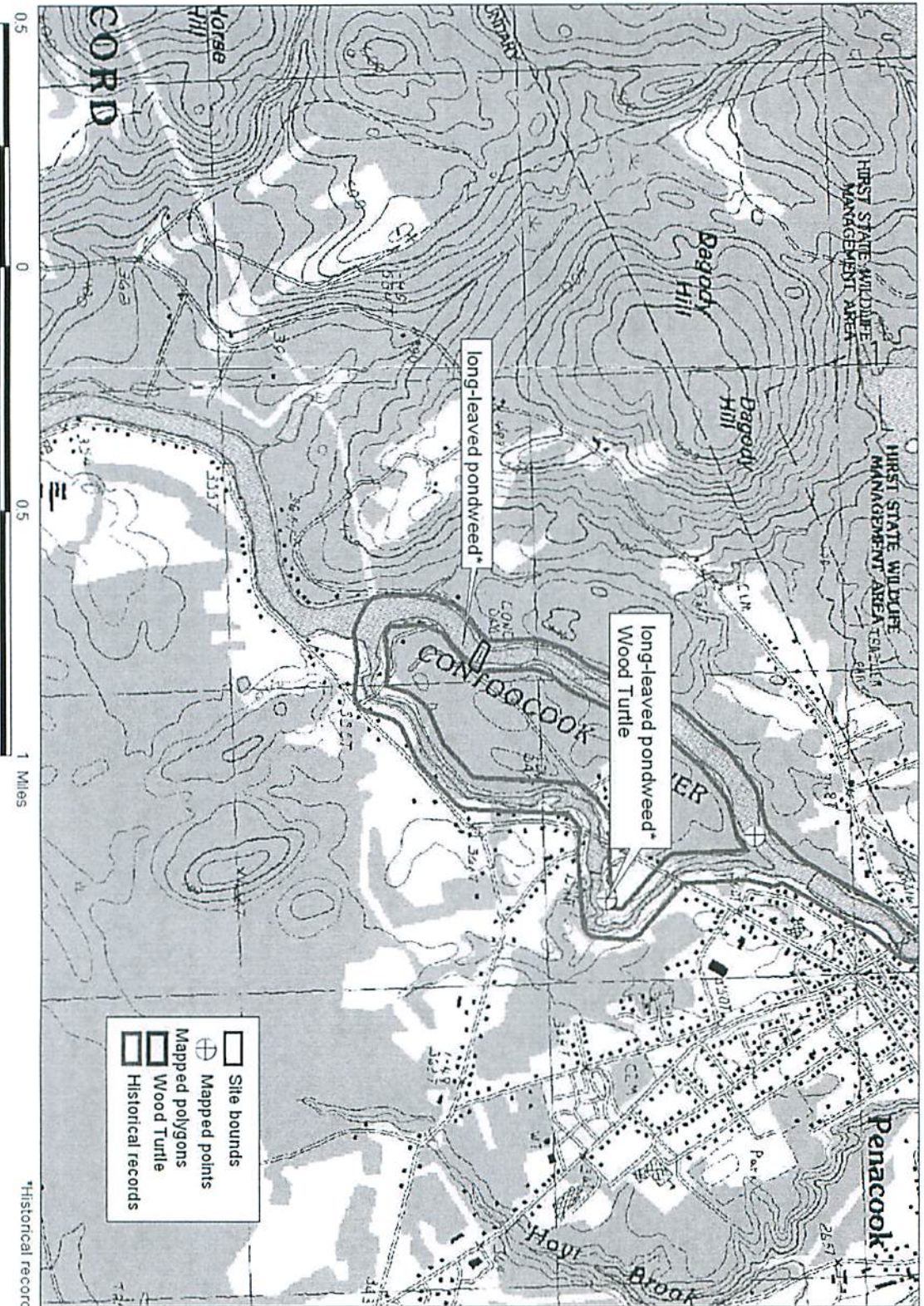




# NH NATURAL HERITAGE BUREAU

## Known locations of rare species and exemplary natural communities

Note: Mapped locations are not always exact. Occurrences that are not in the vicinity of the project are not shown.



## New Hampshire Natural Heritage Bureau - Plant Record

**long-leaved pondweed (*Potamogeton nodosus*)****Legal Status**

Federal: Not listed  
 State: Listed Threatened

**Conservation Status**

Global: Demonstrably widespread, abundant, and secure  
 State: Imperiled due to rarity or vulnerability

**Description at this Location**

Conservation Rank: Historical records only - current condition unknown.  
 Comments on Rank:

Detailed Description: No Date: Philbrick specimen (S.N.) at NHA.  
 General Area: River.  
 General Comments:  
 Management  
 Comments:

**Location**

Survey Site Name: Contoocook River  
 Managed By: Contoocook Island Park

County: Merrimack  
 Town(s): Concord  
 Size: 152.8 acres

USGS quad(s): Penacook (4307135)  
 Lat, Long: 431638N, 0713620W  
 Elevation: 320 feet

Precision: Within 1.5 miles of the area indicated on the map (location information is vague or uncertain).

Directions: Concord. Contoocook River in Penacook section of Concord.

**Dates documented**

First reported: No Date  
 Last reported: No Date

PNDPHI01NHUS - Created by EO conversion



## New Hampshire Natural Heritage Bureau - Animal Record

Wood Turtle (*Glyptemys insculpta*)**Legal Status**

Federal: Not listed  
 State: SC

**Conservation Status**

Global: Apparently secure but with cause for concern  
 State: Rare or uncommon

**Description at this Location**

Conservation Rank: Fair quality, condition and/or landscape context ('C' on a scale of A-D).  
 Comments on Rank:

Detailed Description: 2006: Area 11662: 1 adult female seen.  
 General Area: 2006: Area 11662: On lawn behind old mill building.  
 General Comments:  
 Management  
 Comments:

**Location**

Survey Site Name: Contoocook River, Penacook  
 Managed By:

County: Merrimack USGS quad(s): Penacook (4307135)  
 Town(s): Concord Lat, Long:  
 Size: .4 acres Elevation:

Precision: Within (but not necessarily restricted to) the area indicated on the map.

Directions: Behind Briar Pipe Apts, Washington St, Penacook.

**Dates documented**

First reported: 2006-06-19 Last reported: 2006-06-19