

APPENDIX E-1
GILMAN HYDROELECTRIC PROJECT REVIEW
NEW HAMPSHIRE NATURAL HERITAGE BUREAU
DTD MARCH 16, 2012
&
VERMONT AGENCY OF NATURAL RESOURCES
DTD MARCH 14, 2012

Memo



NH NATURAL HERITAGE BUREAU
NHB DATACHECK RESULTS LETTER

To: Stephen Hickey, Essex Hydro Associates, L.L.C.
55 Union Street, 4th Floor
Boston, MA 02108

From: Melissa Coppola, NH Natural Heritage Bureau

Date: 3/16/2012

Re: Review by NH Natural Heritage Bureau

NHB File ID: NHB12-0616 Town: Dalton Location: Tax Maps: map 403, lot 34

Description: This request pertains to the existing hydroelectric project located on the Connecticut River which is applying to the Low Impact Hydropower Institute for certification as a low impact facility. A complete list of the threatened and endangered species found within the project boundary is a requirement of the application.

cc: Kim Tuttle, Susi von Oettingen

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

Comments: This site is within an area flagged for possible impacts on the federally-listed *Alasmidonta heterodon* (dwarf wedgemussel) in Connecticut River.

Invertebrate Species

	State ¹	Federal	Notes
Dwarf Wedge Mussel (<i>Alasmidonta heterodon</i>)	E	E	Contact the NH Fish & Game Dept and the US Fish & Wildlife Service (see below).

¹Codes: "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. Contact for federally-listed species: Susi von Oettingen, US FWS, at (603) 223-2541.

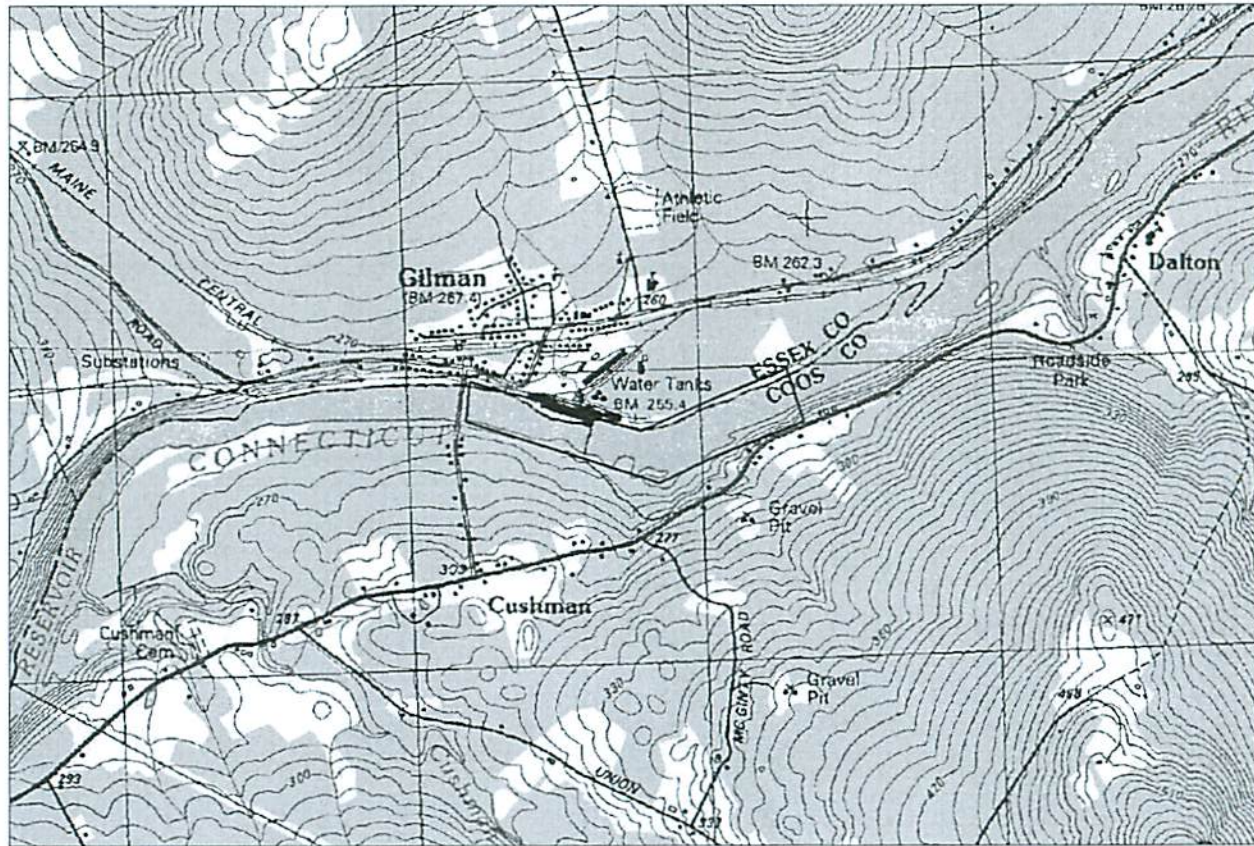
A negative result (no record in our database) does not mean that a sensitive species is not present. Our data can only tell you of known occurrences, based on information gathered by qualified biologists and reported to our office. However, many areas have never been surveyed, or have only been surveyed 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.



0.5 0 0.5 1 Miles

*Historical record

1:18000

Valid for one year from this date: 16 Mar 2012



Department of Fish and Wildlife

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March 14, 2012

Mr. Stephen Hickey
Hydro Management Group, LLC
55 Union Street, 4th Floor
Boston, MA 02108
sjh@essexhydro.com

Re: Gilman Hydro LIHI Certification. Gilman, VT.

Dear Mr. Hickey:

I am in receipt of your March 9, 2012 email to John Austin and Amy Alfieri requesting information regarding the presence of threatened and endangered species located in the project area. I have been directed to respond to your request. A search of our database indicates the presence of a federal and state listed endangered species, dwarf wedgemussel (*Alasmidonta heterodon*), present above and below the Gilman hydroelectric facility. The Lunenburg, VT reach of the Connecticut River is documented as having one of the highest densities of dwarf wedgemussel throughout the species' range which was originally from New Brunswick to North Carolina.

If you have any questions or concerns, please feel free to contact me at (802) 476-0198, or by email at time.appleton@state.vt.us. For your information, I have attached a map indicating areas of responsibility for project review, and direct your attention to the Department's website vtfishandwildlife.com for additional information under tabs *wildlife programs* and then *regulatory review*.

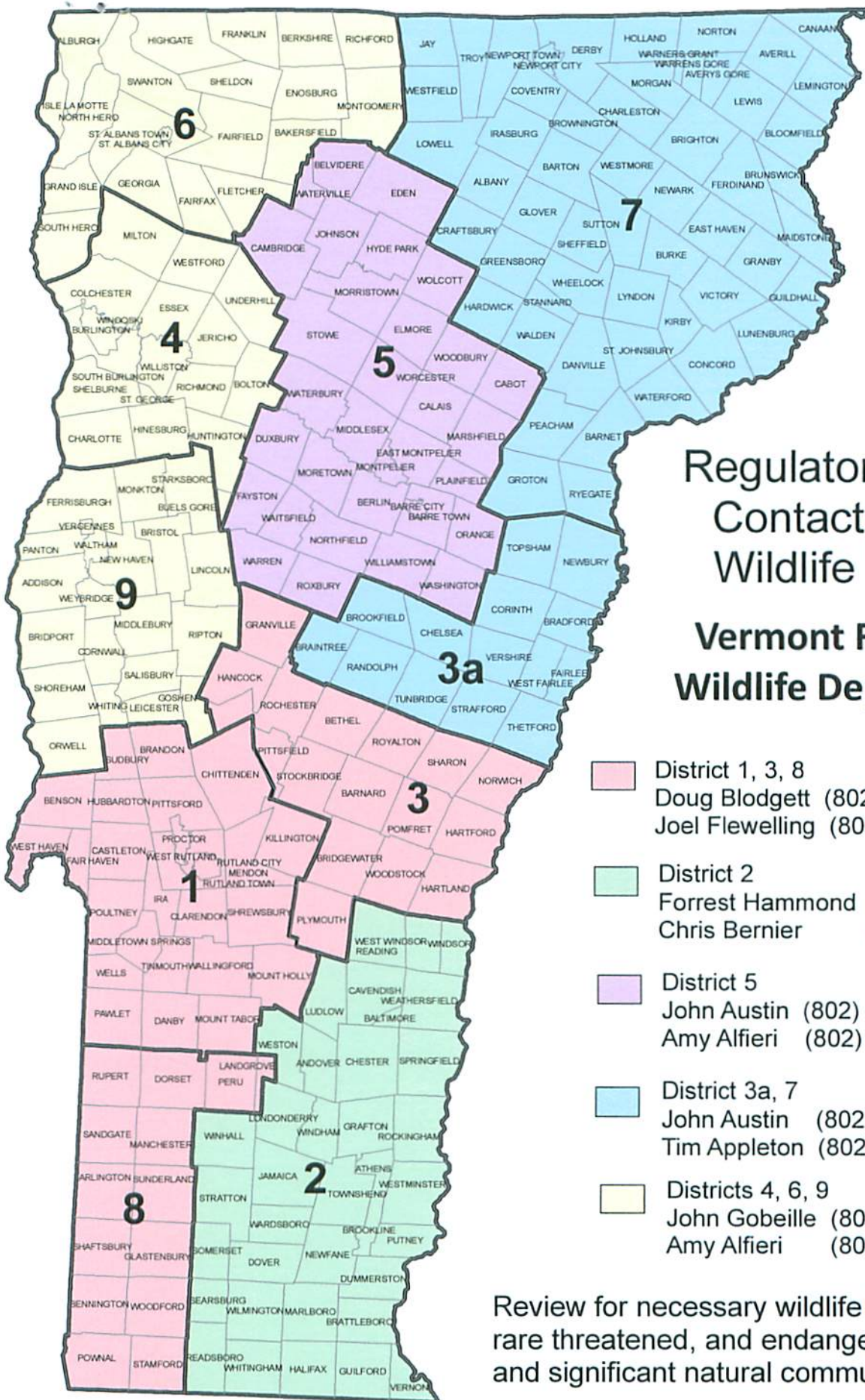
Sincerely,



Timothy J. Appleton
Fish & Wildlife Specialist

cc: John Austin, Wildlife Biologist
Mark Ferguson, Natural Heritage Information Project
Amy Alfieri, Wildlife Specialist





Regulatory Review Contacts for the Wildlife Division Vermont Fish and Wildlife Department

- District 1, 3, 8
Doug Blodgett (802) 878-3861
Joel Flewelling (802) 786-3879
- District 2
Forrest Hammond (802) 885-8832
Chris Bernier (802) 885-8833
- District 5
John Austin (802) 476-0197
Amy Alfieri (802) 479-4439
- District 3a, 7
John Austin (802) 476-0197
Tim Appleton (802) 476-0198
- Districts 4, 6, 9
John Gobeille (802) 879-5696
Amy Alfieri (802) 479-4439

Review for necessary wildlife habitat;
rare threatened, and endangered species;
and significant natural communities

