



The State of New Hampshire  
**DEPARTMENT OF ENVIRONMENTAL SERVICES**



**Thomas S. Burack, Commissioner**

October 30, 2014

His Excellency, Governor Margaret Wood Hassan  
and The Honorable Council  
State House  
Concord, NH 03301

**REQUESTED ACTION**

Approve Jeffrey/Nellann Hiatt's request to perform the following work on Little Bay, in Newington. File # 2014-00685. This project will not have significant impact on or adversely affect the values of Little Bay. An amendment request received on July 18, 2014, requested that gabion baskets filled with shot rock and rip rap be substituted for the boulders and rip rap.

The Department imposed the following conditions as part of this approval:

1. **AMENDED:** All work shall be in accordance with revised plans by Berry Surveying & Engineering dated July 15, 2014, as received by the NH Department of Environmental Services (DES) on July 24, 2014.
2. The contractor performing the work shall use a rubber tracked excavator and utilize mats to buffer the substrate from the equipment within the temporary impact area.
3. There shall be no impact to the *Spartina Alterniflora* along the shoreline of the property. This area shall be protected from impact during construction.
4. A siltation/turbidity barrier shall be installed throughout the duration of construction to protect from the occurrence of sedimentation during tidal cycles.
5. All temporary work areas shall be restored to original condition following completion of construction.
6. Coastal staff shall be notified in writing prior to commencement of work and upon its completion. Notification may be via e-mail to David Price at David.Price@des.nh.gov.
7. Any future work in jurisdiction as specified in RSA 482-A on this property will require a new application and approval by the Department of Environmental Services ("DES") Wetlands Bureau.
8. This permit shall not be effective until recorded at the Rockingham County Registry of Deeds office by the permittee. A copy of the recorded permit shall be submitted to the DES Wetlands Bureau prior to construction.
9. Appropriate siltation/erosion/turbidity controls shall be in place prior to construction, shall be maintained during construction, and shall remain in place until the area is stabilized.
10. Within three days of final grading or temporary suspension of work in an area that is in or adjacent to wetlands or surface waters, all exposed soil areas shall be stabilized by seeding and mulching during the growing season, or if not within the growing season, by mulching with tack or netting and pinning on slopes steeper than 3:1.
11. Work below highest observable tideline shall be done during low tide.
12. Work shall be conducted in a manner so as to minimize turbidity and sedimentation to surface waters and wetlands.
13. Work shall be conducted in a manner that avoids excessive discharges of sediments to fish spawning areas.
14. Construction equipment shall be inspected daily for leaking fuel, oil and hydraulic fluid prior to entering surface waters or wetlands.

DES Web site: [www.des.nh.gov](http://www.des.nh.gov)

P.O. Box 95, 29 Hazen Drive, Concord, New Hampshire 03302-0095

Telephone: (603) 271-3501 • Fax: (603) 271-6683 • TDD Access: Relay NH 1-800-735-2964



15. Faulty equipment shall be repaired prior to entering jurisdictional areas.
16. The contractor shall have appropriate oil spill kits on site and readily accessible at all times during construction and each operator shall be trained in its use.
17. All refueling of equipment shall occur outside of surface waters or wetlands.
18. All work shall be in accordance with the Shoreland Water Quality Protection Act, RSA 483-B.


#### EXPLANATION

The DES Wetlands Bureau approved this project on September 29, 2014. DES supported its decision with the following findings:

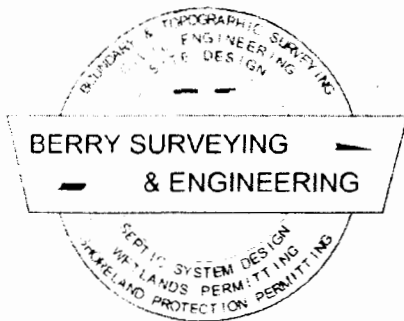
1. This is a major impact project per Administrative Rule Wt 303.02(a), projects in sand dunes, tidal wetlands, or bogs, except for the repair of existing structures pursuant to Wt 303.04(v).
2. The need for the proposed impacts has been demonstrated by the applicant per Wt 302.01. The applicant has provided evidence that the bank is severely eroded and needs stabilization.
3. The applicant has provided evidence which demonstrates that this proposal is the alternative with the least adverse impact to areas and environments under the department's jurisdiction per Wt 302.03. The applicant has designed the slope stabilization project with a combination of bioengineering planted with native species and a minimal amount of stone placed at the toe of the slope.
4. The applicant has demonstrated by plan and example that each factor listed in Wt 302.04(a) and (c), Requirements for Application Evaluation, has been considered in the design of the project. NH Natural Heritage Bureau (NHB) has record of sensitive species within the vicinity of the project, but NHB does not expect impacts to the species from the project.
5. The applicant has addressed Env-Wt 801.03 regarding mitigation by proposing to plant native non-invasive species within the waterfront buffer.
6. The Newington Conservation Commission did not submit comments on this application.
7. In accordance with RSA 482-A:8, DES finds that the requirements for a public hearing do not apply as the permitted project is not of substantial public interest, and will not have a significant impact on or adversely affect the values of the estuarine resource, as identified under RSA 482-A:1.

Application file documents are being forwarded to the Governor and Executive Council in connection with their consideration of this matter pursuant to RSA 482-A:3,II.(a) as it is a major project in public waters of the state.

We respectfully submit this request for your consideration.

  
Thomas S. Burack  
Commissioner





## **BERRY SURVEYING & ENGINEERING**

335 Second Crown Point Road

Barrington, NH 03825

Phone: (603) 332-2863

Fax: (603) 335-4623

[www.BerrySurveying.Com](http://www.BerrySurveying.Com)

July 18, 2014

Mr. David Price  
NH Department of Environmental Services  
Land Resources Management  
Wetlands Bureau  
29 Hazen Drive, PO Box 95  
Concord, NH 03302-0095

RE: Dredge & Fill Permit, Jeffrey & Nellann Hiatt, Newington, NH  
Wetlands Permit Application  
Request for Amendment of Application

Dear Mr. Price:

Thank you for your call this week following up my e-mail of July 11, 2014. In the interim we have received the Review and Approval Notice from the Wetland Bureau Administrator.

The following is a restatement from the e-mail, in part.

I have been working with multiple contractors on trying to obtain bids for the plans as submitted to the bureau. The original contractor that we were talking to, who owns boulders in a sand & gravel pit and who gave the Hiatt's an estimate prior to the full design, has decided not to bid the project.

The boulders are proving to be a problem, from both a cost and handling standpoint. As stated in our last communication, the boulders if perfectly round are over 5 tons and if perfectly square upwards to 11 tons. The boulders have been the reason that several firms opted not to bid the proposal. The location of the project, access to the work, and movement of the materials seem to be the biggest obstacles.

It has been suggested by two contractors in the last week that Gabion baskets filled with shot rock and rip rap would be far more economical and present far fewer logistical problems. The initial concept for the replacement of the boulders would be a gabion wall, two tiers high similar to the NRCS diagram and middle picture in the Maccaferri brochure. This wall would be six feet tall and when toed into the surface be the equivalent height of the original proposal. The gabion wall will vegetate over time. The rectangular nature of the gabion baskets that are tied together would provide a more

solid wall with less opportunity for migration of the smaller in-fill rocks. Due to the salt-water contact, the gabion baskets would need to be stainless steel.

Plan Set Revisions:

We have revised the plan set, plan views and construction details, to reflect the requested Amendment to the Application using the Gabion Baskets. The areas of impact will remain the same as those reflected in my letter of June 10, 2014 and as reflected in the Review and Approval Notice.

If you have any questions or comments, please feel free to call or write.

Best regards,

**BERRY SURVEYING & ENGINEERING**



Kenneth A. Berry, PE, LLS, JP  
CPESC, NH Septic Designer  
Principal: VP – Technical Operations

[KBerry@BerrySurveying.Com](mailto:KBerry@BerrySurveying.Com)

Cell: (603) 978-0358



**BERRY SURVEYING & ENGINEERING**

335 Second Crown Pt. Rd., Barrington, NH 03825  
(603) 332-2863 / (603) 335-4623 FAX  
[www.BerrySurveying.Com](http://www.BerrySurveying.Com)



THE STATE OF NEW HAMPSHIRE  
DEPARTMENT OF ENVIRONMENTAL SERVICES  
LAND RESOURCES MANAGEMENT  
**WETLANDS BUREAU**

29 Hazen Drive, PO Box 95, Concord, NH 03302-0095  
Phone: (603) 271-2147 Fax: (603) 271-6588  
<http://des.nh.gov/organization/divisions/water/wetlands>



## PERMIT APPLICATION

		Administrative Use Only	File No. <b>2014-00685</b>
			Check No. <b>1336</b>
			Amount: <b>\$1147.00</b>
			Initials <b>CMB</b>

**1. REVIEW TIME:**  
Indicate your Review Time below. Refer to Guidance Document A for instructions.

- Standard Review (Minimum, Minor or Major Impact)  Expedited Review (Minimum Impact)

**2. PROJECT LOCATION:**  
Separate applications must be filed with each municipality that jurisdictional impacts will occur in.

ADDRESS: <b>80 Little Bay Road</b>		TOWN/CITY: <b>Newington</b>	
TAX MAP: <b>15</b>	BLOCK:	LOT: <b>1</b>	UNIT:
USGS TOPO MAP WATERBODY NAME: <b>Little Bay</b>		<input type="checkbox"/> NA	STREAM WATERSHED SIZE: <input type="checkbox"/> NA
LOCATION COORDINATES (if known): <b>N 222051 / E 1201398</b>		<input type="checkbox"/> Latitude/Longitude <input type="checkbox"/> UTM	
<input checked="" type="checkbox"/> State Plane			

**3. PROJECT DESCRIPTION:**  
Provide a brief description of the project outlining the scope of work. Attach additional sheets as needed to provide a detailed explanation of your project. DO NOT reply "See Attached" in the space provided below.

The existing bank adjacent to Little Bay is severely eroded due to wave and wind action. The applicant is proposing to remove trees that are currently undermined or in danger and to grade the slope to a 1 to 1 slope. The base of the slope will be armored with native rounded boulders, reinforced with rip rap, and the balance of the slope stabilized with rolled turf reinforcement and native shrubs that are both drought and sun tolerant. The impact on the slope due to grading and stabilization is 3,975 square feet and temporary impact below the Normal High Water Mark, three-feet in elevation, will be 1,762 square feet. The temporary impact is for machine access to place the armoring boulders which will weigh approximately one-ton each. ( 5' )

**4. RELATED PERMITS, ENFORCEMENT, EMERGENCY AUTHORIZATION, SHORELAND, ALTERATION OF TERRAIN, ETC...**  
**Not Applicable**

**5. NATURAL HERITAGE BUREAU & DESIGNATED RIVERS:**  
See the Instructions & Required Attachments document for instructions to complete a & b below.

a. Natural Heritage Bureau File ID: NHB 13 - 3231

b.  Designated River the project is in ¼ miles of: \_\_\_\_\_; and  
date a copy of the application was sent to Local River Advisory Committee: Month: \_\_\_ Day: \_\_\_ Year: \_\_\_

NA

APPLICANT INFORMATION (Different permit holder)

LAST NAME, FIRST NAME, M.I.: Hiatt, Jeffrey D & Nellann

TRUST / COMPANY NAME:

MAILING ADDRESS:

TOWN/CITY: Newington

STATE: NH

ZIP CODE: 03801

EMAIL or FAX:

PHONE:

ELECTRONIC COMMUNICATION: By initialing here: **JDH**, I hereby authorize DES to communicate all matters relative to this application electronically

PROPERTY OWNER INFORMATION (Different than applicant)

LAST NAME, FIRST NAME, M.I.: Hiatt, Jeffrey D & Nellann

TRUST / COMPANY NAME:

MAILING ADDRESS:

TOWN/CITY: Newington

STATE: NH

ZIP CODE: 03801

EMAIL or FAX:

PHONE:

ELECTRONIC COMMUNICATION: By initialing here \_\_\_\_\_, I hereby authorize DES to communicate all matters relative to this application electronically

EMPLOYEE AGENT INFORMATION

LAST NAME, FIRST NAME, M.I.: Berry, Kenneth A., PE, LLS

COMPANY NAME: Berry Surveying & Engineering

MAILING ADDRESS: 335 Second Crown Point Road

TOWN/CITY: Barrington

STATE: NH

ZIP CODE: 03825

EMAIL or FAX: **kberry@berrysurveying.com**

PHONE: **603-332-2863**

ELECTRONIC COMMUNICATION: By initialing here **KAB**, I hereby authorize DES to communicate all matters relative to this application electronically

OWNER'S SIGNATURE

By signing the application, I am certifying that:

1. I authorize the applicant and/or agent indicated on this form to act in my behalf in the processing of this application, and to furnish upon request, supplemental information in support of this permit application.
2. I have reviewed and submitted information & attachments outlined in the Instructions and Required Attachment document.
3. All abutters have been identified in accordance with RSA 482-A:3, I and Env-Wt 100-900.
4. I have read and provided the required information outlined in Env-Wt 302.04 for the applicable project type.
5. I have read and understand Env-Wt 302.03 and have chosen the least impacting alternative.
6. Any structure that I am proposing to repair/replace was either previously permitted by the Wetlands Bureau or would be considered grandfathered per Env-Wt 101.47.
7. I have submitted a copy of the application materials to the NH State Historic Preservation Officer.
8. I authorize DES and the municipal conservation commission to inspect the site of the proposed project.
9. I have reviewed the information being submitted and that to the best of my knowledge the information is true and accurate.
10. I understand that the willful submission of falsified or misrepresented information to the New Hampshire Department of Environmental Services is a criminal act, which may result in legal action.
11. I am aware that the work I am proposing may require additional state, local or federal permits which I am responsible for obtaining.
12. The mailing addresses I have provided are up to date and appropriate for receipt of DES correspondence. DES will not forward returned mail.



*Jeffrey D. Hiatt & Nellann Hiatt*  
Property Owner Signature

Jeffrey D. Hiatt & Nellann Hiatt  
Print name legibly

3/12/14  
Date



## MUNICIPAL SIGNATURES

### 10. CONSERVATION COMMISSION SIGNATURE

The signature below certifies that the municipal conservation commission has reviewed this application, and:

1. Waives its right to intervene per RSA 482-A:11;
2. Believes that the application and submitted plans accurately represent the proposed project; and
3. Has no objection to permitting the proposed work.

<input style="width: 100%; height: 100%;" type="text"/>	<input style="width: 100%; height: 100%;" type="text"/>	<input style="width: 100%; height: 100%;" type="text"/>
Authorized Commission Signature	Print name legibly	Date

#### DIRECTIONS FOR CONSERVATION COMMISSION

1. Expedited review ONLY requires that the conservation commission's signature is obtained in the space above.
2. The Conservation Commission signature should be obtained prior to the submittal of the original application and four copies to the town/city clerk for mailing to the DES.
3. The Conservation Commission may refuse to sign. If the Conservation Commission does not sign this statement for any reason, the application is not eligible for expedited review and the application will reviewed in the standard review time frame.

### 11. TOWN / CITY CLERK SIGNATURE

As required by Chapter 482-A:3 (amended 1991), I hereby certify that the applicant has filed five application forms, five detailed plans, and five USGS location maps with the town/city indicated below and I have received and retained certified postal receipts (or copies) for all abutters identified by the applicant.

<input style="width: 100%; height: 100%;" type="text"/>	<input style="width: 100%; height: 100%;" type="text"/>	<input style="width: 100%; height: 100%;" type="text"/>	<input style="width: 100%; height: 100%;" type="text"/>
Town/City Clerk Signature	Print name legibly	Town/City	Date

#### DIRECTIONS FOR TOWN/CITY CLERK:

Per RSA 482-A:3, I(d):

1. For applications where "Expedited Review" is checked on page 1, accept the application for mailing only if the Conservation Commission signature has been sought;
2. Collect the postal receipts demonstrating that all abutters and the Local Advisory Committee were sent proper notice;
3. Collect any administrative fees, not to exceed \$10 plus the cost of postage by certified mail (RSA 482-A:3, I).
4. IMMEDIATELY sign the original application and four copies in the signature space provided above;
5. Retain one copy of the application form, one complete set of attachments and the postal receipts demonstrating that all abutters and the Local River Advisory Committee were notified and make them reasonably accessible to the public;
6. IMMEDIATELY distribute a copy of the application with one complete set of attachments to each of the following bodies: the municipal Conservation Commission, the local governing body (Board of Selectmen or Town/City Council), and the Planning Board in accordance with RSA 482-A:3, I; and
7. IMMEDIATELY send the ORIGINAL application form, one complete set of attachments and filing fee, by CERTIFIED MAIL to the NHDES Wetlands Bureau at the address indicated on page 1 of this application. (DO NOT HOLD FOR CONSERVATION COMMISSION SIGNATURE).

**12. IMPACT AREA:**

For each jurisdictional area that will be/has been impacted, provide square feet and, if applicable, linear feet of impact

**Permanent:** impacts that will remain after the project is complete.

**Temporary:** impacts not intended to remain (and will be restored to pre-construction conditions) after the project is complete.

**After-the-fact (ATF):** work completed prior to receipt of this application by DES. Check box to indicate ATF.

JURISDICTIONAL AREA	PERMANENT Sq. Ft. / Lin. Ft.	TEMPORARY Sq. Ft. / Lin. Ft.
Forested wetland	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Scrub-shrub wetland	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Emergent wetland	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Wet meadow	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Intermittent stream	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Perennial Stream / River	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Lake / Pond	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Bank - Intermittent stream	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Bank - Perennial stream / River	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Bank - Lake / Pond	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Tidal water	/ <input type="checkbox"/> ATF	1,762 / 130 <input type="checkbox"/> ATF
Salt marsh	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Sand dune	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Prime wetland	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Prime wetland buffer	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Undeveloped Tidal Buffer Zone (TBZ)	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Previously-developed upland in TBZ	3,975 <input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Docking - Lake / Pond	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Docking - River	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Docking - Tidal Water	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
<b>TOTAL</b>	<b>3,975 /</b>	<b>1,762 / 130</b>

**13. APPLICATION FEE:** See the Instructions & Required Attachments document for further instruction

Minimum Impact Fee: Flat fee of \$ 200

Minor or Major Impact Fee: Calculate using the below table below

Permanent and Temporary (non-docking) 5737 sq. ft. X \$0.20 = \$ 1,147.40

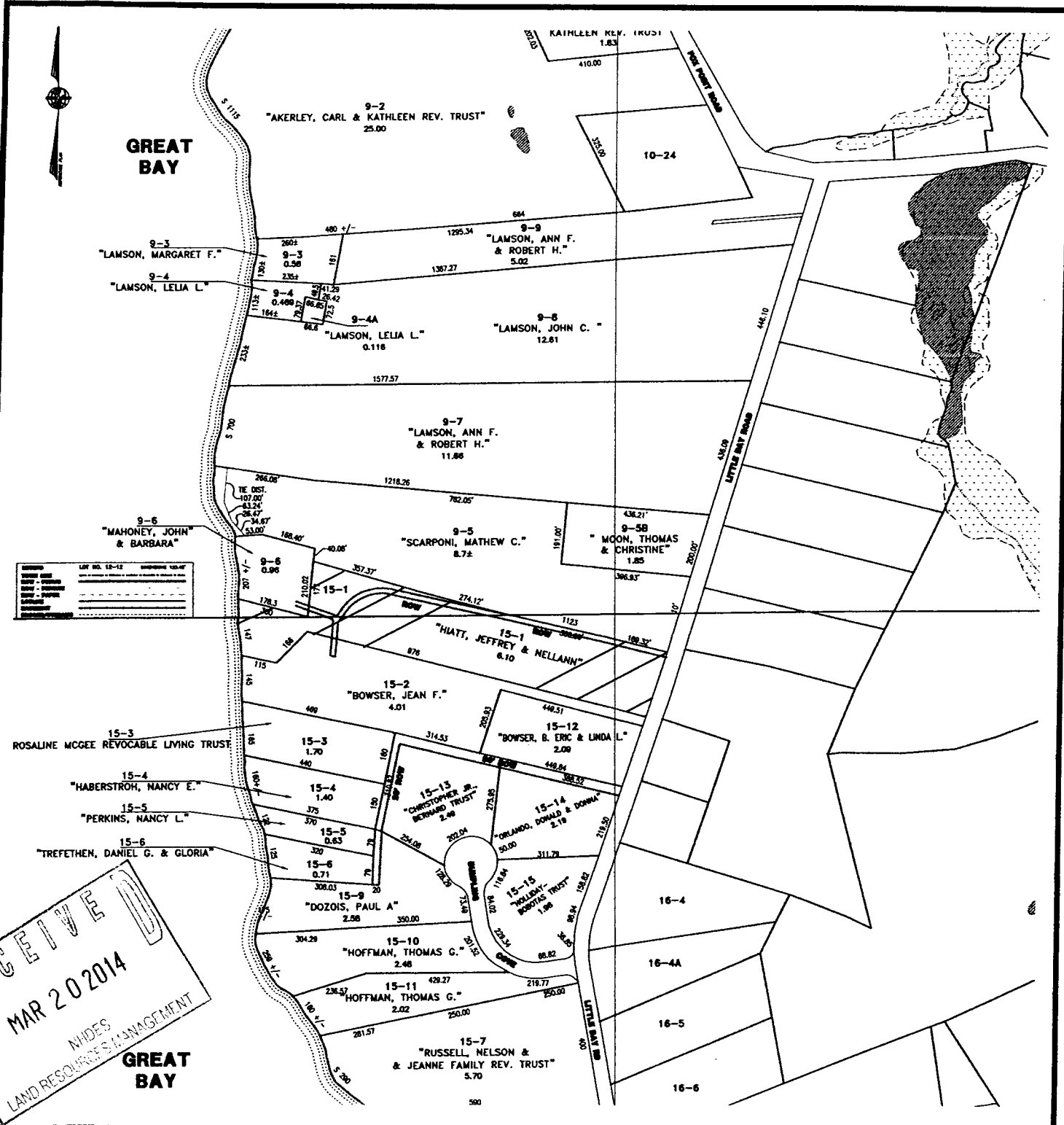
Temporary (seasonal) docking structure: \_\_\_\_\_ sq. ft. X \$1.00 = \$

Permanent docking structure: \_\_\_\_\_ sq. ft. X \$2.00 = \$

Projects proposing shoreline structures (including docks) add \$200 = \$

Total = \$ 1,147.40

The Application Fee is the above calculated Total or \$200, whichever is greater = \$



**RECEIVED**  
 MAR 20 2014  
 NHDES  
 LAND RESOURCES MANAGEMENT

TAX MAP  
 HIATT PROPERTY  
 80 LITTLE BAY ROAD  
 NEWINGTON, N.H.  
 TAX MAP 15, LOT 1

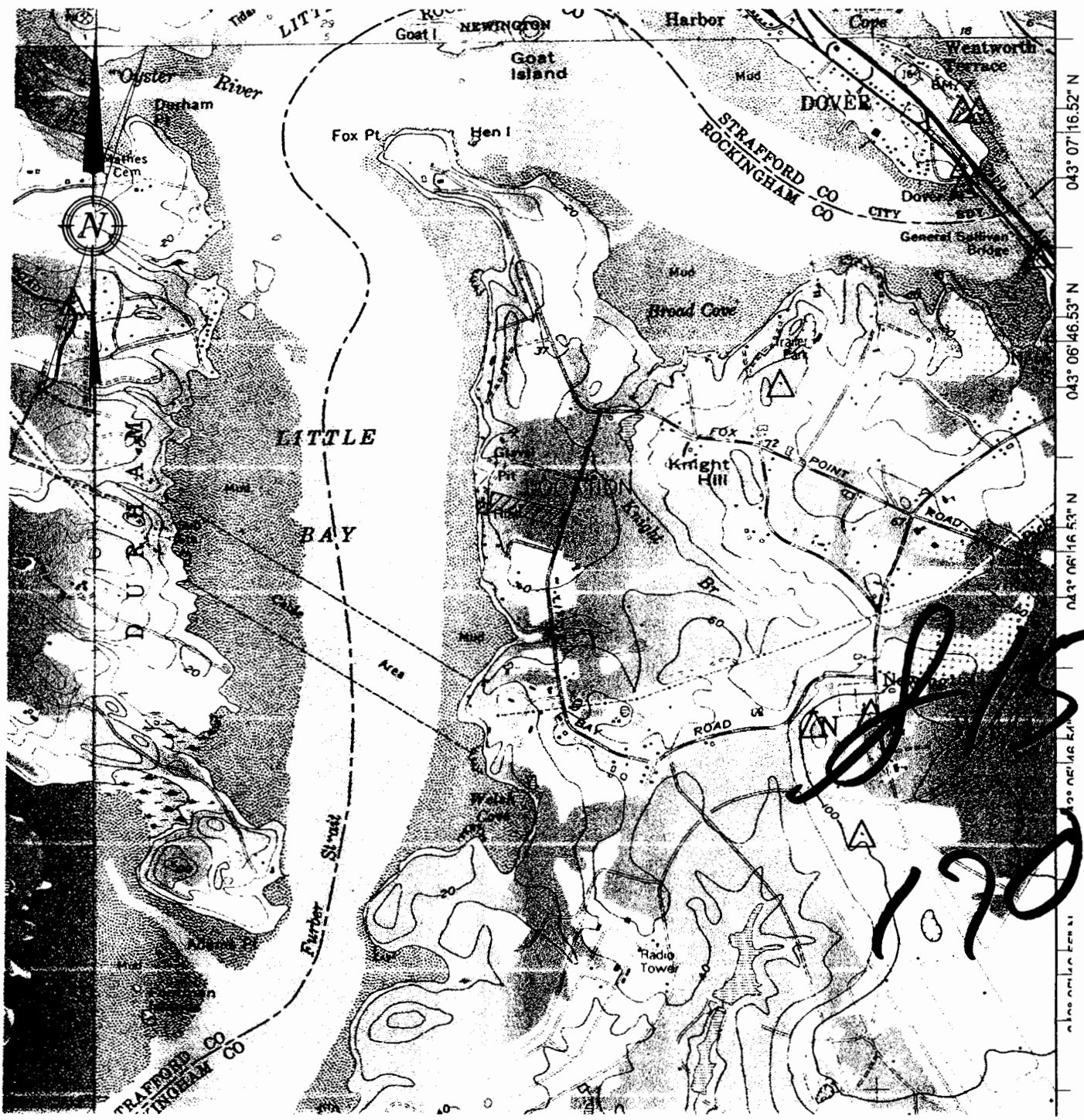
# BERRY SURVEYING & ENGINEERING

335 SECOND CROWN POINT RD.  
 ROCHESTER, N.H. 332-2863

SCALE : 1" = 400'

DATE : NOVEMBER 5, 2013

FILE NO. : DB 2012 - 108



USGS SITE LOCATION MAP  
 HIATT PROPERTY  
 80 LITTLE BAY ROAD  
 NEWINGTON, N.H.  
 TAX MAP 15, LOT 1

MAR 20 2014

**BERRY SURVEYING & ENGINEERING**

335 SECOND CROWN POINT RD.  
 BARRINGTON, N.H. 332-2863

SCALE : 1" = 2000'

DATE : NOVEMBER 5, 2013

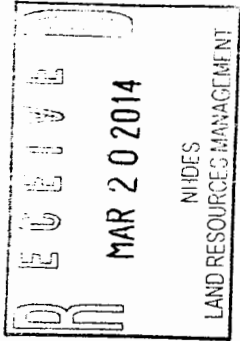
FILE NO. : DB 2012 - 108

**Memo**

**To:** Kenneth Berry  
Berry Surveying & Engineering  
148 Second Crown Point Road  
Barrington, NH 03825

**From:** Melissa Coppola, NH Natural Heritage Bureau  
**Date:** 11/4/2013 (valid for one year from this date)  
**Re:** Review by NH Natural Heritage Bureau  
NHB File ID: NHB13-3231      Town: Newington  
Description: Shoreland Stabilization Project: Placing toe reinforcement, grading eroded slope and stabilizing with vegetation and geotechnical reinforcement.

Location: Tax Map 15, Lot 15-1



NH NATURAL HERITAGE BUREAU  
NHB DATACHECK RESULTS LETTER



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

**Comments:** Please send site photos to NHB for further review. Sending the requested information may help to dismiss concerns. Send requested info to: [melissa.coppola@dred.nh.gov](mailto:melissa.coppola@dred.nh.gov).

Natural Community	State <sup>1</sup>	Federal	Notes
Sparse vegetated intertidal system	--	--	Threats to these communities are primarily alterations to the hydrology of the wetland (such as alterations that might affect the sheet flow of tidal waters across the intertidal flat) and increased input of nutrients and pollutants in storm runoff.
Subtidal system	--	--	

<sup>1</sup>Codes: "E" = Endangered, "T" = Threatened, "SC" = Special Concern. "--" = 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.

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.

Department of Resources and Economic Development  
Division of Forests and Lands  
(603) 271-2214 fax: 271-6488

DRED/NHB  
PO Box 1856  
Concord NH 03302-1856

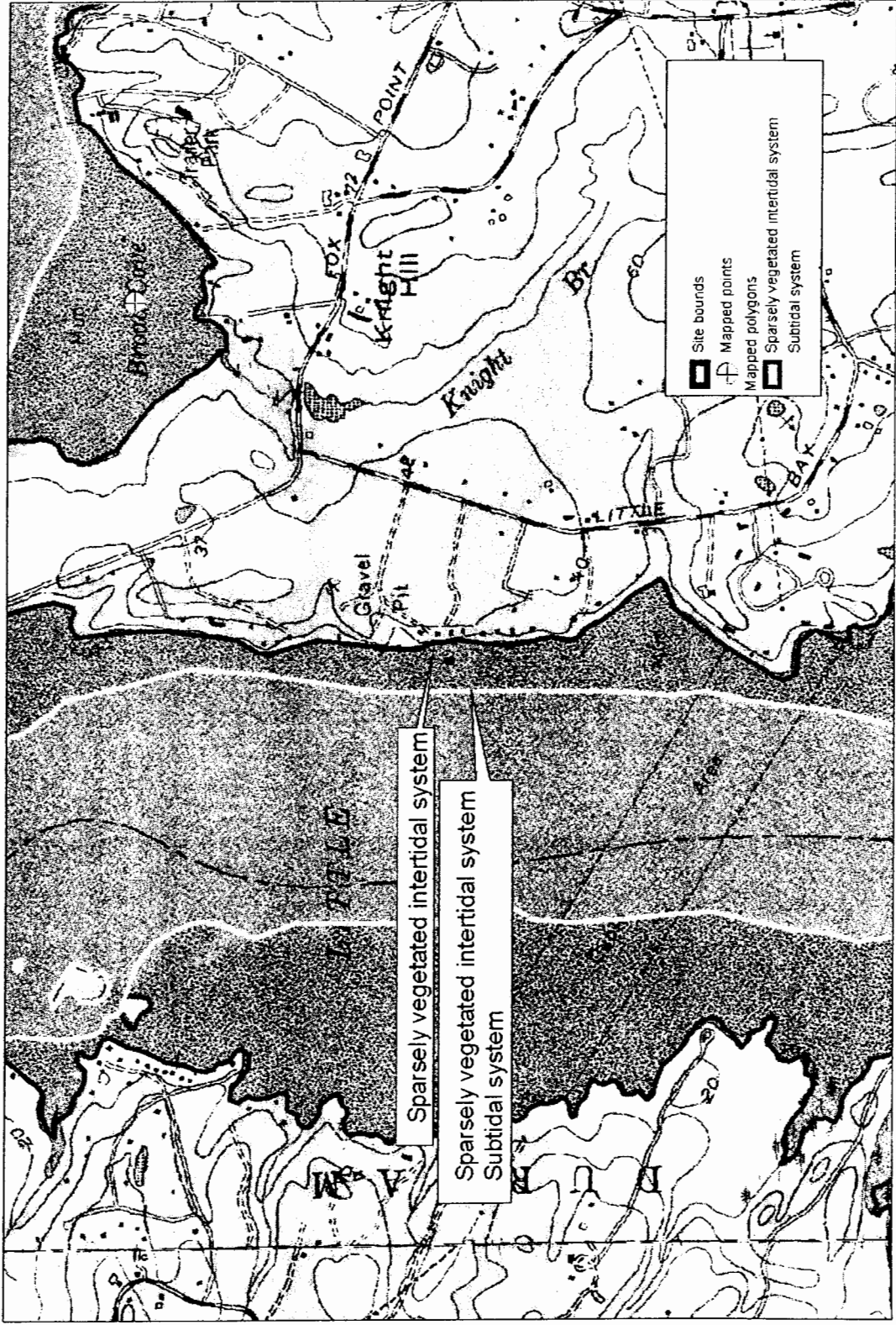
NHB13-3231



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.



\*Historical record

New Hampshire Natural Heritage Bureau - System Record  
**Sparsely vegetated intertidal system**

**Legal Status**

Federal: Not listed  
 State: Not listed

**Conservation Status**

Global: Not ranked (need more information)  
 State: Rare or uncommon

**Description at this Location**

Conservation Rank: Not ranked  
 Comments on Rank:

Detailed Description: Extensive *intertidal flats* that are exposed daily at low tide, bordered in places by *intertidal rocky shore* and *coastal shoreline strand/swale* communities.

General Area: 2010: Borders **salt marsh system** landward and **subtidal system** seaward.

General Comments:

Management

Comments:

**Location**

Survey Site Name: Great Bay  
 Managed By: Moody Point Open Space

County: Rockingham

USGS quad(s): Newmarket (4307018)

Town(s): Newington

Lat, Long: 430651N, 0705032W

Size: 3589.5 acres

Elevation:

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

Directions: Occurs throughout Great Bay from the mouths of its tributaries, through Little Bay, to the confluence with the Piscataqua River.

**Dates documented**

First reported: 1997-06-23

Last reported: 2010-10-13

## New Hampshire Natural Heritage Bureau - System Record

### Subtidal system

#### Legal Status

Federal: Not listed  
State: Not listed

#### Conservation Status

Global: Not ranked (need more information)  
State: Rare or uncommon

#### Description at this Location

Conservation Rank: Not ranked  
Comments on Rank:

Detailed Description: Channels and bay bottoms that vary in width from a few feet to almost a mile across, covered by water even at low tide. Patches of subtidal *eelgrass bed* occur at the edge of the adjacent **sparsely vegetated intertidal system**.

General Area: 2010: Borders a **sparsely vegetated intertidal system**.

General Comments:  
Management  
Comments:

#### Location

Survey Site Name: Great Bay  
Managed By: Portsmouth Country Club

County: Rockingham  
Town(s): Newington  
Size: 3207.7 acres

USGS quad(s): Portsmouth (4307017)  
Lat, Long: 430431N, 0705256W  
Elevation:

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

Directions: Occurs throughout the Great Bay estuary, from the upper tidal reaches of tributary streams to the confluence of the bay with the Piscataqua River.

#### Dates documented

First reported: 1997-06-17

Last reported: 2010-10-13





**NEW HAMPSHIRE NATURAL HERITAGE BUREAU**

DRED - DIVISION OF FORESTS & LANDS

PO Box 1856 -- 172 PEMBROKE ROAD, CONCORD, NH 03302-1856

(603) 271-2214

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**To:** Ken Berry, Berry Surveying & Engineering  
**From:** Melissa Coppola, NHB-Environmental Information Specialist  
**Date:** December 16, 2013  
**Subject:** NHB13-3231

This memo is a follow-up to NHB13-3231 which had indicated two exemplary natural community systems near the proposed project. The Natural Heritage Bureau (NHB) requested further details about the project to: 1) determine the potential for impacts and 2) provide appropriate recommendations to avoid impacts if necessary.

Based on the information provided (site plans and site photos), NHB does not expect impacts to these natural community systems. Critical to this determination is the fact that the salt marsh cordgrass area will be protected from potential construction impacts by both silt fence and construction fencing.

Should you have any further questions, contact me at 603-271-2215 ext. 323 or at [Melissa.Coppola@dred.state.nh.us](mailto:Melissa.Coppola@dred.state.nh.us).

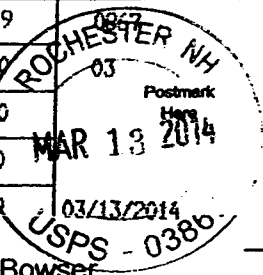
7012 0470 0000 4694 9720

U.S. Postal Service  
**CERTIFIED MAIL™ RECEIPT**  
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)

POSTMARK NH 03801  
**OFFICIAL USE**

Postage	\$	\$0.49
Certified Fee		\$3.30
Return Receipt Fee (Endorsement Required)		\$0.00
Restricted Delivery Fee (Endorsement Required)		\$0.00
Total Postage & Fees	€	\$3.79



Sent To: **Jean F. Bowser**

Street, Apt or PO Box: [REDACTED]

City, State: **Newington, NH 03801**

PS Form [ ] Actions

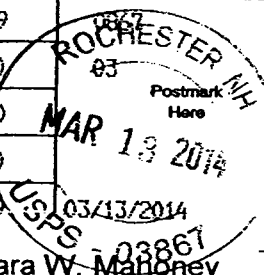
7012 0470 0000 4694 9737

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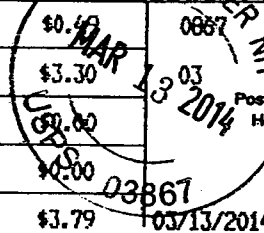
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