



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



**Thomas S. Burack, Commissioner**

April 18, 2016

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

**REQUESTED ACTION**

Approve Cristina and Gregory Lukas' request to perform the following work on Lake Winnepesaukee, in Alton. File # 2016-00368. This project will not have significant impact on or adversely affect the values of Lake Winnepesaukee.

Fill 720 sq. ft. to construct a 42 linear ft., straight, breakwater beginning 6 ft. off the shoreline with a 4 ft. x 40 ft. cantilevered pier, connected to a 6 ft. x 35 ft. piling pier by a 6 ft. x 12 ft. walkway in a "U" configuration on an average of 102 ft. of frontage along Lake Winnepesaukee on Barndoor Island, in Alton.

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

1. All work shall be in accordance with plans by Folsom Design Group dated January 18, 2016, as received by DES on February 11, 2016.
2. This permit is not valid and effective until it has been recorded with the appropriate county Registry of Deeds by the applicant. Prior to starting work under this permit, the permittee shall submit a copy of the recorded permit to the DES Wetlands Program by certified mail, return receipt requested.
3. All development activities associated with this project shall be conducted in compliance with applicable requirements of RSA 483-B and N.H. Code of Administrative Rules Env-Wq 1400 during and after construction.
4. Work authorized shall be carried out such that there are no discharges in or to spawning or nursery areas during spawning seasons. Impacts to such areas shall be avoided or minimized to the maximum extent practicable during all other times of the year.
5. Work shall be carried out in a time and manner to avoid disturbances to migratory waterfowl breeding and nesting areas.
6. Appropriate turbidity controls shall be installed prior to construction, shall be maintained during construction such that no turbidity escapes the immediate dredge area and shall remain in place until suspended particles have settled and water at the work site has returned to normal clarity.
7. No portion of breakwater as measured at normal full lake (Elev. 504.32) shall extend more than 50 ft. from normal full lake shoreline.

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

8. The breakwater shall not exceed 3 ft. in height (Elev. 507.32 ft.) over the normal high water line (Elev. 504.32 ft.).
9. The width as measured at the top of the breakwater (Elev. 507.32 ft.) shall not exceed 3 ft.
10. This facility is permitted with the condition that future maintenance dredging, if needed, shall not be permitted more frequently than once every 6 years, and that a new permit shall be required for each dredge activity.
11. The owner understands and accepts the risk that if this facility requires dredging to maintain a minimum slip depth of 3 ft. more frequently than once every 6 years, or is shown to have an adverse impact on abutting frontages, it shall be subject to removal.
12. Pilings shall be spaced a minimum of 12 ft. apart as measured piling center to piling center.


#### EXPLANATION

The DES Wetlands Bureau approved this project on March 18, 2016. DES supported its decision with the following findings:

1. This project is classified as a major project per Rule Env-Wt 303.02(j), construction of a breakwater.
2. The construction of a breakwater to provide safe docking at this site is justified in accordance with Rule Env-Wt 402.07, Breakwaters.
3. The applicant has an average of 102 ft. of frontage along Barndoor Island, on Lake Winnepesaukee, in Alton.
4. A maximum of 2 slips may be permitted on this frontage per Rule Env-Wt 402.13, Frontage Over 75'.
5. The proposed docking facility will provide 2 slips as defined per RSA 482-A and, therefore, meets Rule Env-Wt 402.13.
6. Public hearing is waived with the finding that the project impacts will not significantly impair the resources of Lake Winnepesaukee.

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



# WETLANDS PERMIT APPLICATION

Water Division/ Wetlands Bureau  
Land Resources Management

Check the status of your application: [www.des.nh.gov/onestop](http://www.des.nh.gov/onestop)



RSA/Rule: RSA 482-A/ Env-Wt 100-900

		Administrative Use Only	File No: <b>2016-00368</b>
			Check No: <b>225</b>
			Amount: <b>\$1,228.00</b>
			Initials: <b>Emk</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 only)

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

ADDRESS: **Barndoor Island** TOWN/CITY: **Alton**

TAX MAP: **80** BLOCK: LOT: **23** UNIT:

USGS TOPO MAP/WATERBODY NAME: **Winnipesaukee**  NA STREAM WATERSHED SIZE:  NA

LOCATION COORDINATES (If known): **43.55499, -71.22650**  Latitude/Longitude  UTM  
 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.

**Provide a 4' x 40' cantilevered pier at breakwater with a connecting walkway to a 6' x 35' permanent piling supported pier to provide two boatslips along 102.5' average shorefront. Total impacts for the breakwater and docking structures equal 1,162 sq. ft..**

**4. SHORELINE FRONTAGE**

NA This lot has no shoreline frontage. SHORELINE FRONTAGE: **102.5**

Shoreline frontage is calculated by determining the average of the distances of the actual natural navigable shoreline frontage and a straight line drawn between the property lines, both of which are measured at the normal high water line.

**5. RELATED PERMITS, ENFORCEMENT, EMERGENCY AUTHORIZATION, SHORELAND, ALTERATION OF TERRAIN, ETC...**

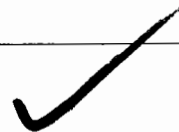
**NH Shoreland and effluent disposal permits pending**

**6. 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 **16** - **0204**

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

[shoreland@des.nh.gov](mailto:shoreland@des.nh.gov) or (603) 271-2147  
 NHDES Wetlands Bureau, 29 Hazen Drive, PO Box 95, Concord, NH 03302-0095  
[www.des.nh.gov](http://www.des.nh.gov)



**7. APPLICANT INFORMATION (Desired permit holder)**

LAST NAME, FIRST NAME, M.I.: **Lukas, Gregory & Cristina**

TRUST / COMPANY NAME: \_\_\_\_\_ MAILING ADDRESS: \_\_\_\_\_

TOWN/CITY: **Danvers** STATE: **MA** ZIP CODE: **01923**

EMAIL or FAX: \_\_\_\_\_ PHONE: \_\_\_\_\_

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

**8. PROPERTY OWNER INFORMATION (If different than applicant)**

LAST NAME, FIRST NAME, M.I.: \_\_\_\_\_

TRUST / COMPANY NAME: \_\_\_\_\_ MAILING ADDRESS: \_\_\_\_\_

TOWN/CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

EMAIL or FAX: \_\_\_\_\_ PHONE: \_\_\_\_\_

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

**9. AUTHORIZED AGENT INFORMATION**

LAST NAME, FIRST NAME, M.I.: **Folsom, Shane P.** COMPANY NAME: **Folsom Design Group**

MAILING ADDRESS: **P.O. Box 548**

TOWN/CITY: **Wolfeboro Falls** STATE: **NH** ZIP CODE: **03896**

EMAIL or FAX: **fdgwolfeboro@hotmail.com** PHONE: **603-715-2853**

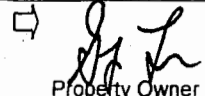
ELECTRONIC COMMUNICATION: By initialing here **SPF**, I hereby authorize NHDES to communicate all matters relative to this application electronically

**10. PROPERTY OWNER SIGNATURE:**

See the Instructions & Required Attachments document for clarification of the below statements

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 Request for Project Review (RPR) Form ([www.nh.gov/nhdhr/review](http://www.nh.gov/nhdhr/review)) to the NH State Historic Preservation Officer (SHPO) at the NH Division of Historical Resources to identify the presence of historical/ archeological resources while coordinating with the lead federal agency for NHPA 106 compliance.
8. I authorize NHDES 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 is subject to criminal action.
11. I am aware that the work I am proposing may require 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 NHDES correspondence. NHDES will not

 Property Owner Signature

**Gregory T. Lukas** Print name legibly


**1/22/2016** Date

## MUNICIPAL SIGNATURES

### 11. 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.

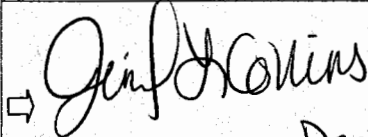
	Print name legibly	Date
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#### DIRECTIONS FOR CONSERVATION COMMISSION

1. Expedited review ONLY requires that the conservation commission's signature is obtained in the space above.
2. Expedited review requires the Conservation Commission signature be obtained **prior** to the submittal of the original application to the Town/City Clerk for signature.
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.

### 12. TOWN / CITY CLERK SIGNATURE

As required by Chapter 482-A:3 (amended 2014), I hereby certify that the applicant has filed four application forms, four detailed plans, and four USGS location maps with the town/city indicated below.

	Jennifer L. Collins Print name legibly	Atton Town/City	2/10/2016 Date
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#### DIRECTIONS FOR TOWN/CITY CLERK:

Per RSA 482-A:3,1

1. For applications where "Expedited Review" is checked on page 1, if the Conservation Commission signature is not present, NHDES will accept the permit application, but it will NOT receive the expedited review time.
2. IMMEDIATELY sign the original application form and four copies in the signature space provided above;
3. Return the signed original application form and attachments to the applicant so that the applicant may submit the application form and attachments to NHDES by mail or hand delivery.
4. 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; and
5. Retain one copy of the application form and one complete set of attachments and make them reasonably accessible for public review.

#### DIRECTIONS FOR APPLICANT:

1. Submit the single, original permit application form bearing the signature of the Town/ City Clerk, additional materials, and the application fee to NHDES by mail or hand delivery.

**13. 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.

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	/	/
Lake / Pond	720 / 43	/
Bank - Intermittent stream	/	/
Bank - Perennial stream / River	/	/
Bank - Lake / Pond	/ 12	/
Tidal water	/	/
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	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Docking - Lake / Pond	442	<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>1,162 / 55</b>	<b>/</b>

**14. 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) 720 sq. ft. X \$0.20 = \$ 144.00

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

Permanent docking structure: 442 sq. ft. X \$2.00 = \$ 884.00

**Projects proposing shoreline structures (including docks) add \$200 = \$ 200.00**

Total = \$ 1228.00


The Application Fee is the above calculated Total or \$200, whichever is greater = \$ 1228.00

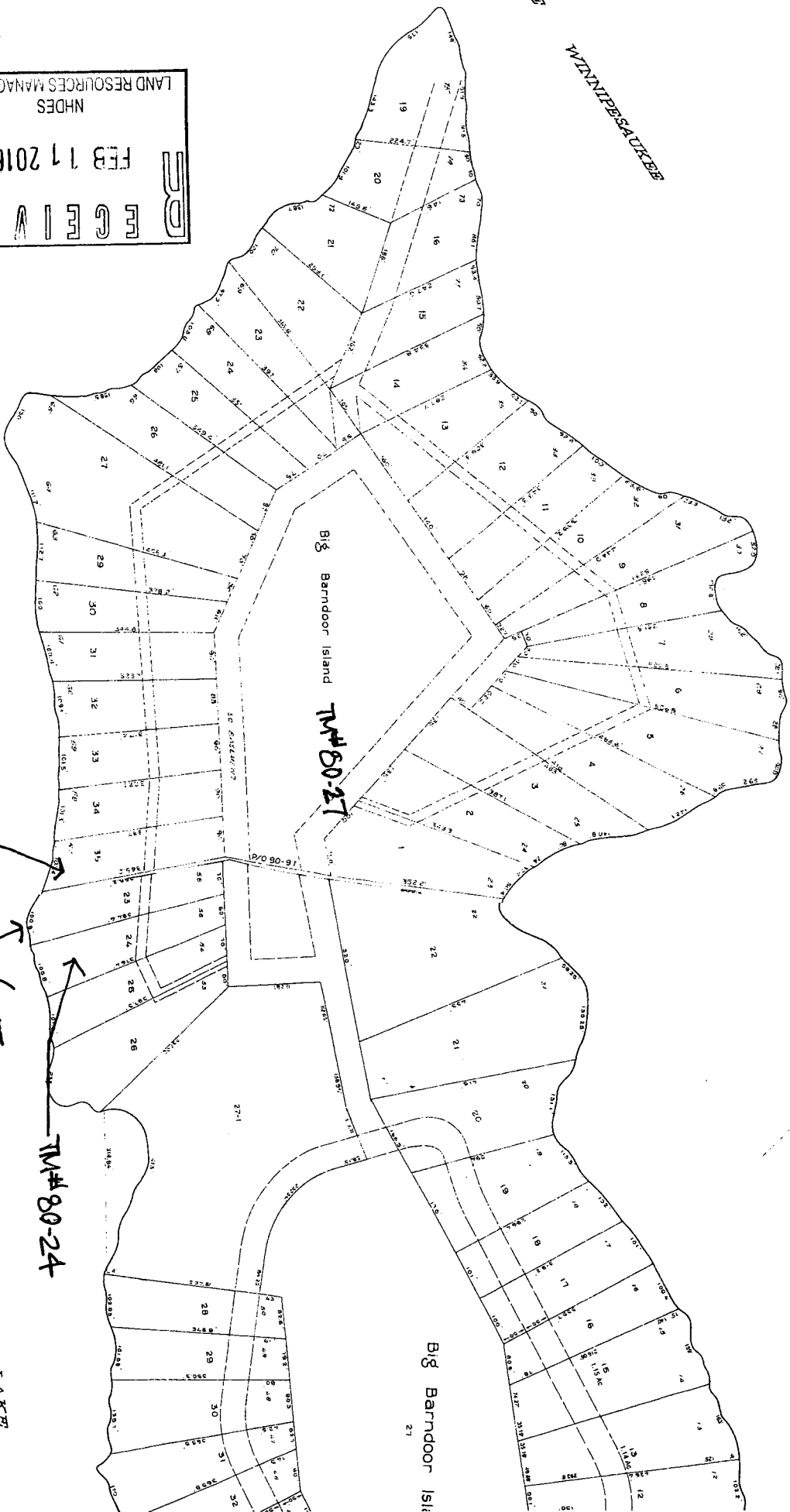


USGS MAP

~~012  
113~~

RECEIVED  
FEB 11 2016  
NHDES  
LAND RESOURCES MANAGEMENT


**RECEIVED**  
 FEB 11 2016  
 NHDES  
 LAND RESOURCES MANAGEMENT  
 WINDSOR  
 VERMONT



REWISED & REPRINTED BY  
 CAI TECHNOLOGIES  
 LITTLETON, NH 03561

PROPERTY MAP  
**TOWN OF ALTON**  
 BELKnap COUNTY, NEW HAMPSHIRE  
 PREPARED BY JAMES W. SEWALL COMPANY  
 OLD TOWN, MAINE  
 SCALE 1 INCH = 100 FEET

NO PARCEL 18, 28

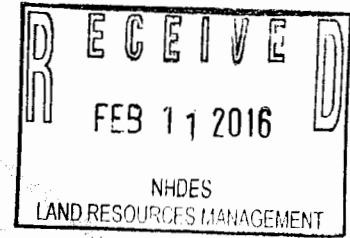
1  
 2  
 For Assessment Purposes  
 Not to be used for Construction





NEW HAMPSHIRE NATURAL HERITAGE BUREAU  
NHB DATACHECK RESULTS LETTER

**To:** Shane Folsom  
P.O. Box 548  
Wolfeboro Falls, NH 03896



**From:** NH Natural Heritage Bureau

**Date:** 1/28/2016 (valid for one year from this date)

**Re:** Review by NH Natural Heritage Bureau of request submitted 1/22/2016

**NHB File ID:** NHB16-0204

**Applicant:** Shane Folsom

**Location:** Alton  
Tax Maps: 80-23

**Project Description:** Provide a breakwater with cantilevered dock, connecting walk with permanent pier dock along 102.5' average frontage. Total of impacts equal 1,162 sq.ft.

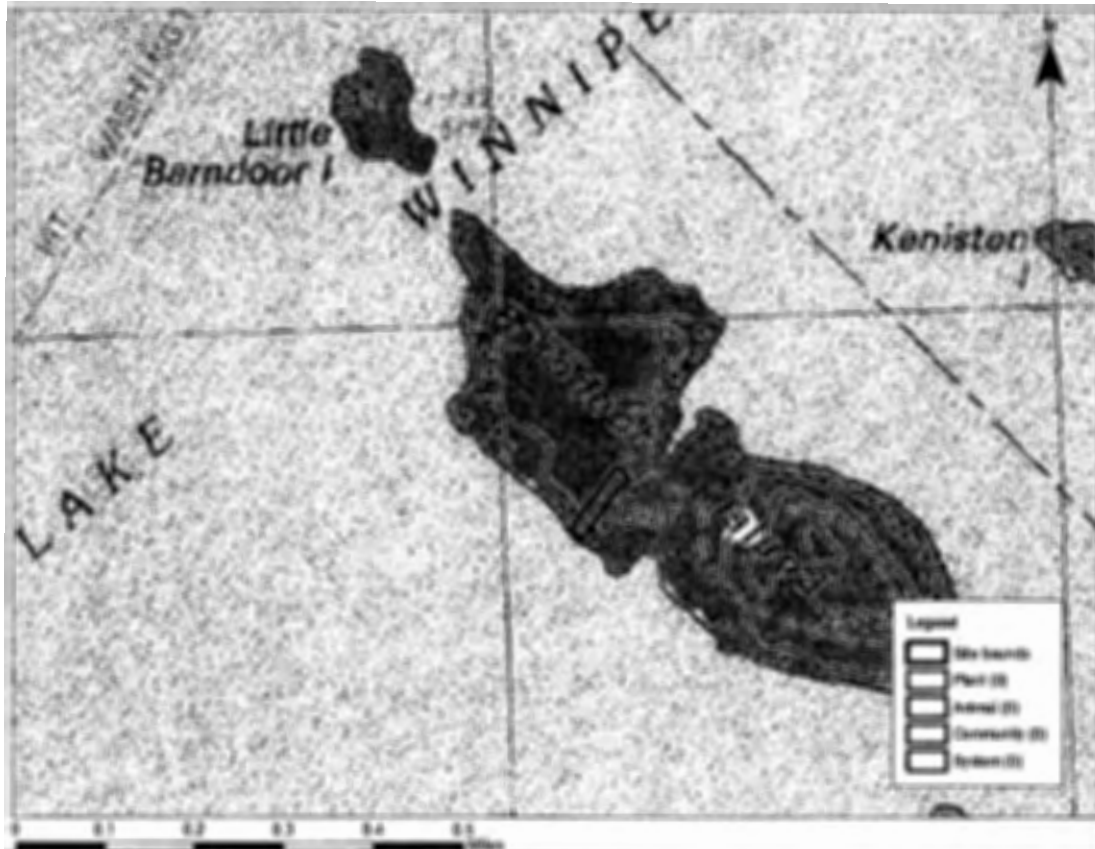
The NH Natural Heritage database has been checked by staff of the NH Natural Heritage Bureau and/or the NH Nongame and Endangered Species Program for records of rare species and exemplary natural communities near the area mapped below. The species considered include those listed as Threatened or Endangered by either the state of New Hampshire or the federal government.

It was determined that, although there was a NHB record (e.g., rare wildlife, plant, and/or natural community) present in the vicinity, we do not expect that it will be impacted by the proposed project. This determination was made based on the project information submitted via the NHB Datacheck Tool on 1/22/2016, and cannot be used for any other project.



MAP OF PROJECT BOUNDARIES FOR: NHB16-0204

NHB16-0204





# FOLSOM DESIGN GROUP

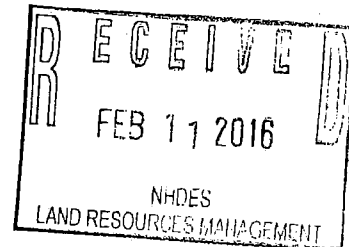
P.O. Box 548, WOLFEBORO FALLS, NEW HAMPSHIRE 03896  
TELEPHONE: (603) 715-2853 (603)369-7819 (CELL)  
E-MAIL: FDGWOLFEBORO@HOTMAIL.COM  
WWW.FOLSOMDESIGNGROUP.COM

January 21, 2016

NH Wetland Permit, Gregory & Cristina Lukas, Tm#80-23, Barndoor Island, Alton, NH

## ABUTTERS LIST

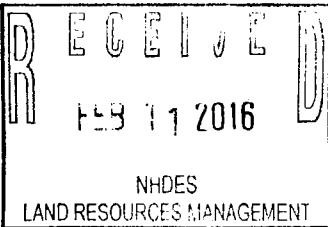
Owner of Record  
TM # 80-23  
Gregory Todd Lukas  
Cristina Nesta Lukas  
[REDACTED]  
Danvers, MA 01923



Tm # 80-24  
Elaine E. Bradley  
[REDACTED]  
Hingham, MA 02043

Tm# 80-27  
Barndoor Island Association  
c/o Richard McCarthy  
P.O. Box 1692  
Wolfeboro, NH 03827

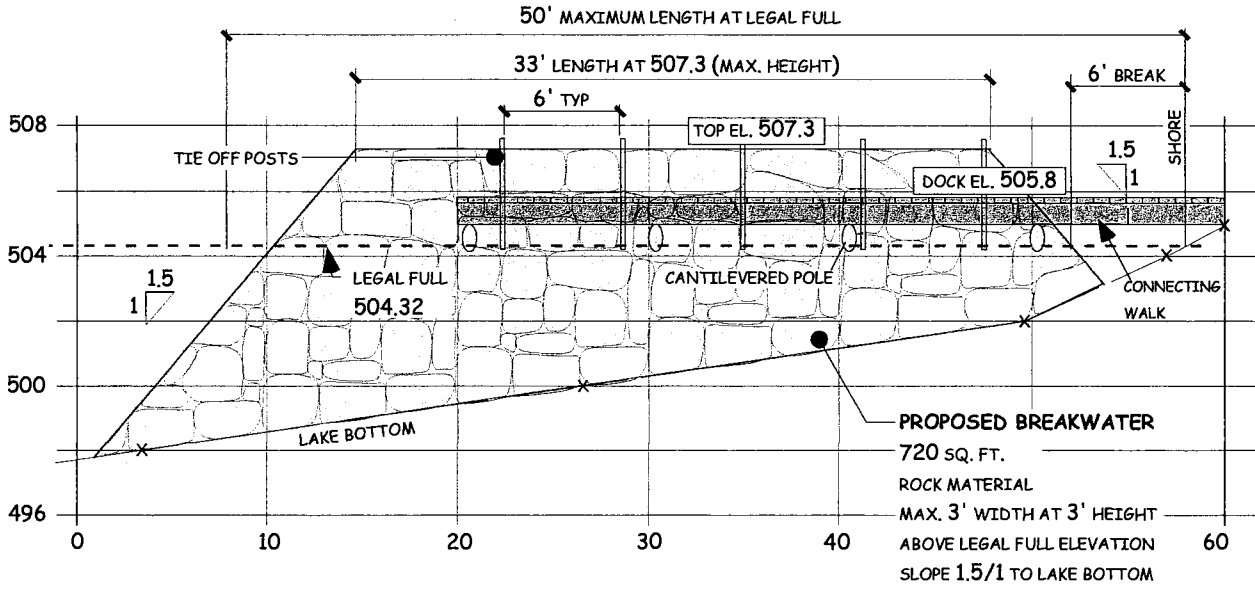
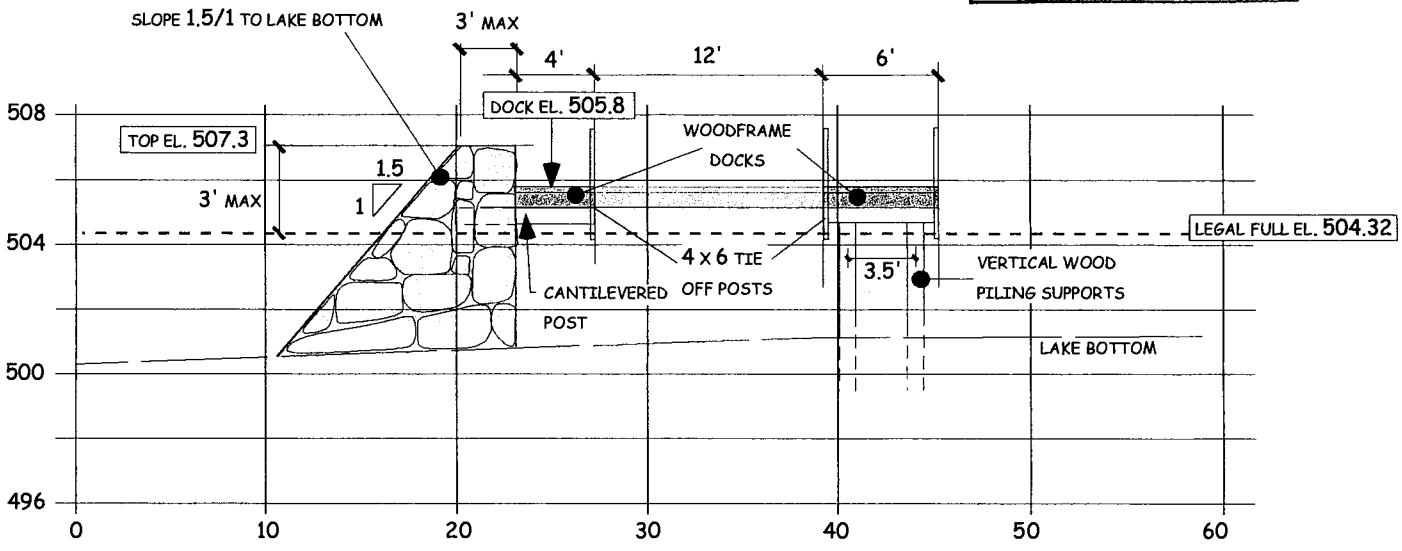
Tm # 81-35  
Ronald G. Bettencourt, Jr.  
Denise D. Bettencourt  
[REDACTED]  
Leominster, MA 01453



**PROPOSED BREAKWATER**  
 720 SQ. FT.  
 ROCK MATERIAL  
 MAX. 3' WIDTH AT 3' HEIGHT  
 ABOVE LEGAL FULL ELEVATION  
 SLOPE 1.5/1 TO LAKE BOTTOM

**CROSS SECTION**

1" = 6' (VERT)  
 1" = 10' (HOR)

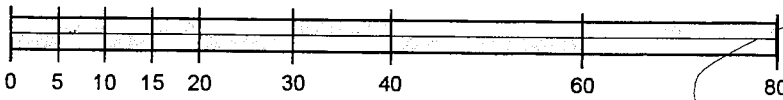


**PROFILE**

1" = 6' (VERT)  
 1" = 10' (HOR)

NH WETLAND PERMIT  
 FOR  
**GREGORY & CRISTINA LUKAS**  
 1/20/2016

SCALE: 1" = 20'



2 BOATSLIPS AS DEFINED IN ENV.-WT 101.10  
8' WIDTH, 25' LENGTH @ 3' DEPTH  
25'

8' BOATSLIP AT 3' DEPTH



BREAKWATER ABOVE LEGAL FULL  
BREAKWATER BELOW LEGAL FULL

2 BOATSLIP CALCULATIONS  
104' ALONG THE SHORE  
101' STRAIGHT LINE MEASURE  
102.5' AVERAGE SHORELINE FRONTAGE

TOTAL IMPACT OF BREAKWATER/DOCKING STRUCTURE  
BREAKWATER = 720 SQ. FT. + DOCKING STRUCTURE = 442 SQ. FT.  
TOTAL = 1,162 SQ. FT.

### LAKE WINNIPESAUKEE

LEGAL FULL EL. 504.32

PROPERTY LINE PROJECTION

APPROXIMATE PROPERTY LINE

20'  
SETBACK

TBM NAIL IN 12"  
PINE EL. 507.93

LIMITS OF BREAKWATER  
AT LAKE BOTTOM

PROPOSED BREAKWATER  
720 SQ. FT.

ROCK MATERIAL  
MAX. 3' WIDTH AT 3' HEIGHT  
ABOVE LEGAL FULL ELEVATION  
SLOPE 1.5/1 TO LAKE BOTTOM

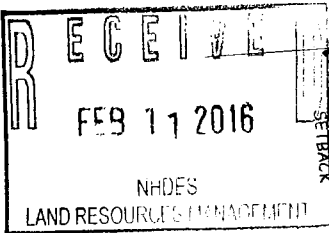
PROPOSED PIER  
4' x 40' CANTILEVERED  
PIER TO BREAKWATER  
160 SQ. FT.

CONNECTING WALK  
SUPPORT AT SHORE  
72 SQ. FT.

PROPOSED DOCK  
6' x 35' DOCK ON SIX(6)  
OAK PILINGS SPACED AND SUPPORT  
AT SHORE  
12' APART, 210 SQ. FT.

LOT AREA  
0.77 ACRES +/-  
TM# 80-23

NOTE:  
NO SHORELINE STRUCTURES  
CURRENTLY EXIST ON FRONTAGE



PROPERTY LINE PROJECTION

APPROXIMATE PROPERTY LINE

NH WETLAND PERMIT FOR  
**GREGORY & CRISTINA LUKAS**  
70 NICHOLS STREET  
DANVERS, MA 01923

LOT 56, TM# 80-23,  
BARNDOR ISLAND, ALTON, NH

JANUARY 18, 2016



"CELEBRATING FIFTEEN YEARS  
IN BUSINESS 2001-2016"

