
Wetland Conservation District Conditional Use Permit Application

HERITAGE LANDING

**Tax Map 140; Lots 2 & 3
112 & 114 Greeley Street
Hudson, New Hampshire**

May 12, 2021

KNA Project No. 20-1001-1

Last Revised: June 12, 2021

Prepared For: K&M Developers, LLC
46 Lowell Road
Hudson, New Hampshire 03051

Prepared By: Keach-Nordstrom Associates, Inc.
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KNA

KEACH-NORDSTROM ASSOCIATES, INC.

Table of Contents

- 1. CONDITIONAL USE PERMIT APPLICATION**
- 2. WETLAND CONDITIONAL USE PERMIT CHECKLIST**
- 3. CONDITIONAL USE PERMIT APPLICATION AUTHORIZATION**
- 4. OWNER AFFIDAVIT**
- 5. ABUTTERS LIST**
- 6. PROJECT NARRATIVE**
- 7. SURFACE WATER IMPAIRMENTS**
- 8. NHDES WELL INVENTORY MAP**
- 9. NWI MAP**
- 10. NEW HAMPSHIRE NATURAL HERITAGE INVENTORY DATABASE CHECK**
- 11. WETLAND/WETLAND BUFFER IMPACT PLAN**
- 12. WETLAND PHOTO PLAN AND ASSOCIATED WETLAND PHOTOS**
- 13. PLANS**

1. CONDITIONAL USE PERMIT APPLICATION

SITE DATA SHEET

PLAN NAME: Heritage Landing

PLAN TYPE: (Site Plan, Subdivision, or other) Other

LEGAL DESCRIPTION: MAP 140 LOT 2&3

DATE: _____

Location by Street: 112 & 114 Greeley Street

Zoning: General (G)

Proposed Land Use: Age restricted condominium development

Existing Use: Residential

Total Site Area: S.F.: 737,572 Acres: 16.931

Total Wetland Area (SF): 40,050 SF

Permanent Wetland Impact Area (SF): 2,950 SF

Permanent Wetland Buffer Impact Area (SF): 39,000 SF

Temporary Wetland Impact Area (SF): 0 SF

Temporary Wetland Buffer Impact Area (SF): 0 SF

Flood Zone Reference: Map 33011C016D

Proposed Mitigation:

(For Town Use Only)

Data Sheets Checked By: _____ Date: _____

2. WETLAND CONDITIONAL USE PERMIT CHECKLIST

WETLAND CONDITIONAL USE PERMIT CHECKLIST

Yes	No	NA	QUESTIONS/INFORMATION NEEDED	HCC Comments
NARRATIVE REPORT				
Existing Conditions				
<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Has a DES Dredge and Fill Permit been issued for any part of this site? If yes, provide number, date, and description.	
<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Is there evidence of altered wetlands or surface waters on site?	
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	All prime and other wetlands in the vicinity, plus any wetlands/watersheds past the immediate vicinity affected by this project	
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	• Description of each wetland and associated values	
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Wetland mapping results – Including the flagging date and technique plus the name, company and qualifications of the wetland scientist	
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Was property surveyed? If yes, the date of survey. (Please attach the survey plan)	
National Wetland Inventory				
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	• Vegetative cover types	
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	• Existence of vernal pools and associated habitat	
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	• Unique geological and cultural features	
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	• NH Natural Heritage inventory – For list of rare and endangered species, contact the NH Division of Forests and Lands (603)271-3623	
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	• Wildlife and fauna species, including estimated number and locations (large projects)	
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	• Public or private wells located within the vicinity	
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	• Monitoring well(s) located on site	
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	• Current land use and zoning district	
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Photos of existing area (please use color photos)	
Proposed Project Description				
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Entire project and associated activities	
<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Time table of project and anticipated phasing	
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Land use	
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Grading plan	
Impact to Wetlands and/or Buffers				
<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	• Depending on size and proposed impacts, a report from a biologist may be appropriate	
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Removing, filling, dredging, or altering (Area square ft. and locations)	
<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Intercepting or diverging of ground or surface water (Locations and size)	
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	• Change in run-off characteristics	
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Delineation of drainage area contributing to each discharge point	

Yes	No	NA	Questions/Information Needed	HCC COMMENTS
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Estimated water quality characteristics of runoff at each point of discharge for both pre-and post-development	
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Erosion control practices	
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<ul style="list-style-type: none"> If using rip-rap, attach documentation explaining why other erosion control methods are not feasible 	
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<ul style="list-style-type: none"> How storm water runoff will be handled 	
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	If backyards or lots include a buffer area, buffer restriction wording shall be included in each deed (A physical marker may be requested to designate buffer boundaries at site)	

Mitigation

<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Square footage of mitigation – wetland and upland areas	
<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Wetland or upland plants identified to replace any losses	
<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<ul style="list-style-type: none"> Restoration plan for planting and vegetation 	
<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Conservation easements, including location and aesthetic, wildlife and vegetative values	
<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<ul style="list-style-type: none"> If easement is on or added to the site(s), a copy of the legal document shall be given to the HCC (HCC conservation easement markers may also be required along the easement) 	

CONCEPTUAL SITE PLAN/DRAWING

<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Locus map depicting project site and vicinity within approximately ½ mile and also on a larger scale	
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	All prime and other wetlands in the vicinity	
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Wetland(s) impacted (identified as prime or other) and the wetland boundaries with 50', buffer areas highlighted in color	
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Assessor's sheet(s), lot(s), and property account number(s)	
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Existing and proposed structures	
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Square footage listed for temporary and permanent impact	
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Erosion control plan (Suggested: Biodegradable silt fences so area won't be disturbed again and no hay to avoid invasive species)	
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Topographical map with contours	
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Storm water treatment swales and basins highlighted in color if in buffer area	
<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Conservation and utility easements	
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Grading plan	
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Culvert, arch, bridge - sizes, material, etc.	
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Vegetative cover types	
<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Vernal pools	
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Existing and proposed stone walls, tree lines, and unusually large, rare or beautiful trees, and other notable site features	

3. CONDITIONAL USE PERMIT APPLICATION AUTHORIZATION

CONDITIONAL USE PERMIT APPLICATION AUTHORIZATION

I hereby apply for *Conditional Use Permit* and acknowledge I will comply with all of the Ordinances of the Town of Hudson, New Hampshire State Laws, as well as any stipulations of the Planning Board, in development and construction of this project. I understand that if any of the items listed under the *Conditional Use Permit* specifications or application form are incomplete, the application will be considered rejected.

Pursuant to RSA 674:1-IV, the owner(s) by the filing of this application as indicated above, hereby given permission for any member of the Hudson Planning Board, the Hudson Conservation Commission, the Town Planner, the Town Engineer, and such agents or employees of the Town or other persons as the Planning Board may authorize, to enter upon the property which is the subject of this application at all reasonable times for the purpose of such examinations, surveys, tests and inspections as may be appropriate. The owner(s) release(s) any claim to or right he/she (they) may now or hereafter possess against any of the above individuals as a result of any examinations, surveys, tests and/or inspections conducted on his/her (their) property in connection with this applications.

Signature of Owner: Manuel J. Sousa Date: 5/26/21

Print Name of Owner: MANUEL J. SOUSA

- ❖ If other than an individual, indicate name of organization and its principal owner, partners, or corporate officers.

Signature of Developer: Manuel J. Sousa Date: 5/26/21

Print Name of Developer: MANUEL J. SOUSA

- ❖ The developer/individual in charge must have control over all project work and be available to the Code Enforcement Officer/Building Inspector during the construction phase of the project. The individual in charge of the project must notify the Code Enforcement Officer/Building Inspector within two (2) working days of any change.

4. OWNER AFFIDAVIT

Owner Affidavit

I, Manuel Sousa, authorized representative of Sousa Realty & Development and owner of the properties referenced on Tax Map 140 as Lots 2 & 3, located along Greeley Street, Hudson, New Hampshire, hereby verify that I have authorized Keach-Nordstrom Associates, Inc. to submit on my behalf, any and all applicable State and local permit applications as they pertain to improvements on said property.

Additionally, I authorize Keach-Nordstrom Associates, Inc. to aid in the representation of these applications throughout the approval process.

Signature of Owner: Manuel J. Sousa

Printed Name of Owner: MANUEL J. SOUSA

Address of Owner: 46 Lowell Road

Hudson, NH 03051

Date: 5/26/21

5. ABUTTERS LIST

Abutter's List
Greeley Street
Hudson, NH
KNA #20-1001-1
Updated 7-12-21

Tax Map	Lot	Owner/Applicant
140	2	K&M Developers, LLC
	3	46 Lowell Road Hudson, NH 03051
Tax Map	Lot	Direct Abutter
140	1	Brox Industries, Inc.
141	1	1471 Methuen Street Dracut, MA 01826
140	4	Pond View Subdivision Associates c/o Sousa Realty & Development 46 Lowell Road Hudson, NH 03051
149	1	Highland Woods Condominium c/o Harvard Management P.O. Box 2019 Merrimack, NH 03054
Tax Map	Lot	Indirect Abutter
140	5	Jeremy & Kelly Huntoon 4 Sousa Boulevard Hudson, NH 03051
140	6	Frances A. & Michael T. Tedeschi 6 Sousa Boulevard Hudson, NH 03051
140	7	Patrick D. & Christina L. Whalen 8 Sousa Boulevard Hudson, NH 03051
140	8	Michael & Dawn Kimball Trustees Michael & Dawn Kimball Trust 10 Sousa Boulevard Hudson, NH 03051

140	9	Renate M. Knight, Trustee Renate M. Knight Trust 12 Sousa Boulevard Hudson, NH 03051
140	10	Kevin T. & Melanie A. Dewitt 14 Sousa Boulevard Hudson, NH 03051
140	11	Sousa Realty and Development Corp. 46 Lowell Road Hudson, NH 03051
140	12	John E. & Stephanie J. Izzo 4 Sutherland Drive Hudson, NH 03051
140	13	Donald S. & Jennifer Buchanan 6 Sutherland Drive Hudson, NH 03051
140	19	Ellen B. & Michael P. Haight, Trustees Ellen & Michael Haight Trust 1 Sutherland Drive Hudson, NH 03051
140	29	Pond View Subdivision Associates c/o Sousa Realty & Development 46 Lowell Road Hudson, NH 03051

Professionals to be notified:

Engineer/Surveyor
Keach-Nordstrom Associates Inc.
10 Commerce Park North, Suite 3B
Bedford, NH 03110

6. PROJECT NARRATIVE

June 12, 2021

Town of Hudson
Conservation Commission
12 School Street
Hudson, New Hampshire 03051

Subject: Heritage Landing
Application for Conditional Use Permit for Wetland Impact
Map 140 Lots 2 & 3
112 & 114 Greeley Street, Hudson, New Hampshire
KNA #20-1001-1

To Members of the Conservation Commission:

Project Narrative:

The proposed project entails the construction of a 47-unit detached single family age restricted condominium development. The project will include a loop roadway with access from Greeley Street. The proposed development is situated on a two lots of record (Lots 2 & 3) with frontage on Greeley Street that will be consolidated into a single parcel. Development will include the construction of individual driveways, clubhouse, and associated parking. Onsite improvements will include the construction of stormwater ponds, landscaping, and site lighting.

The parcel, found within the General (G) Zoning District, is currently primarily undeveloped, with the only development being an existing residential home, sheds, and its driveway. The site is 16.931 acres in total and contains almost one acre (0.919 AC) of wetlands that run through the middle of the property. Approximately 8.5 acres of the developable portion of the site is completely separated from the proposed access drive due to jurisdictional wetlands, which bisect the lot. Consequently, in order to use more than half of the property's buildable area, permanent impacts are required.

The wetland proposed for impact has two classifications. The majority of the wetland is classified as palustrine forested, broad-leafed, deciduous, seasonally flooded/saturated. Within the southern portion is an ephemeral stream that is classified as riverine, intermittent with an unconsolidated cobble gravel bottom as determined by Joshua Brien (New Hampshire Certified Wetland Scientist #256) of Keach-Nordstrom Associates. The permanent impacts will support the installation of two wetland crossings and two stormwater ponds.

The New Hampshire Natural Heritage Inventory has been notified and asked to check their database for any know occurrences of threatened or endangered species within the

project site. Their response dated March 4, 2021 states that there are records of blanding's turtle, eastern box turtle, and eastern hognose snake in the general area. NHDES Best Management Practices will be used throughout the construction process to minimize soil erosion and downstream pollution by stormwater. As part of the project approval process, a Standard Dredge and Fill Application will be submitted to NHDES.

Although the project proposes wetland crossings to access the large upland portion of the property, the areas will be restabilized following construction. The crossings are situated at two of the thinnest portions of the wetland to accomplish the least amount of impact. These crossings amount to 2,950 SF of wetland impact and 22,150 SF of buffer impact. Two stormwater ponds are located within the wetland buffer but will not require any wetland impact. The proposed buffer impact to construct the stormwater ponds is 16,850 SF. The total wetland impact on the site is 2,950 SF and buffer impact is 39,000 SF.

The construction of the stormwater ponds will ensure that no untreated water is sent to the wetland. The proposed roadway is curbed with closed drainage, thus directing all untreated water to the stormwater ponds. The two ponds are a proposed pocket pond and surface sand filter that will treat the water before flowing into the wetland. There will be no increase in run-off between pre-development conditions and post-development. Stormwater design and calculations will follow the Town of Hudson stormwater management regulations and NHDES Alteration of Terrain regulations.

Additionally, in submitting the enclosed application for conditional use permit, the applicant recognizes the need to successfully demonstrate to the satisfaction of the Town of Hudson Conservation Commission, that each of following criteria have been or will be fulfilled. Specifically:

A. Support fish and wildlife;

The wetland is characterized as seasonally flooded and an intermittent stream. As such, there are no fish in this wetland. The New Hampshire Natural Heritage Bureau report has found records of rare species within the area. The Blanding's turtle, Eastern box turtle, and eastern hognose snake have been found in the vicinity of the project and can be seen in the attached NHB report. Wildlife including these three species will be able to re-populate the area once the roadway has been constructed and stabilized.

B. Attenuate flooding;

The stormwater ponds proposed on the site ensure that post development run-off conditions will not be increased compared to pre-development conditions. The roadway crossings have been evaluated in a 50-year storm event and cause no flooding issues.

C. Supply and protect surface and groundwater resources;

The stormwater ponds on site are there not only to help attenuate flooding, but to also ensure the protection of surface and groundwaters. The closed drainage system captures sediment and debris that may be harmful to these water

resources. The run-off then flows through sediment forebays before reaching the individual treatment ponds. All of these items are in place to protect natural water resources.

D. Remove sediments;

The proposed pocket pond and surface sand filter pond on the site have sediment forebays that water is directed to before entering the pond itself. The sediment forebays help to remove sediment from any of the run-off before entering the ponds. The forebays and ponds help to limit the amount sediment that enters the wetlands.

E. Remove pollutants;

Both ponds (one surface sand and one pocket pond) remove pollutants in accordance with all applicable standards. According to the New Hampshire Stormwater Manual Volume 2, pocket ponds are designed to remove urban pollutants, trace metals, hydrocarbons, BOD, nutrients, and pesticides. The surface sand filter removes pollutants through the 18 inches of filter media below the pond. This filter media absorbs pollutants as the water filters through it. With these two ponds in use, pollutants will be removed before run-off reaches the wetland.

F. Support wetland vegetation;

With the exception of the two roadway crossings the wetlands will be left untouched. Wetland vegetation will be left to grow unencumbered once the crossings have been stabilized.

G. Promote public health and safety.

The ponds in association with the wetland will improve natural water quality, provide flood protection, and maintain a natural vegetated area for the residents of the proposed development. These factors all promote public health and safety.

H. Moderate fluctuations in surface water levels.

This is a seasonally flooded wetland, so there will be fluctuations in surface water levels. This proposed design will not be adding any more run-off than is already contributing to this wetland. This decrease in peak run-off will help to moderate the fluctuations.

I. No increase to potential for erosion, siltation, and turbidity of surface waters.

This site has been designed with erosion control measures to ensure there is no increase to erosion potential. The stormwater ponds and roadway crossings have been designed in a way to limit all possible siltation and turbidity of surface waters in the wetland.

J. No loss of fish and wildlife habitat.

As stated above, there is no fish in this specific location. Once the crossings have been finished and stabilized there will be no loss to wildlife habitat.

K. No loss of unique habitat having demonstrable natural, scientific, or educational value.

This is not a unique wetland; this is a fairly common type of wetland for the New Hampshire area. Therefore, any permanent impacts to the wetland or wetland buffer will cause no loss to unique habitats.

L. No loss or decrease of beneficial aquatic organisms and wetland plants and their habitat.

The wetland and surrounding buffer will be able to grow once the site is stabilized. This means there will be no decrease in organisms or wetland plants.

M. No increased danger of flooding and/or transport of pollutants

As stated earlier, the stormwater ponds ensure that flooding and transportation of pollutants will not be an issue on this site.

N. No destruction of the economic, aesthetic, recreational, and other public and private uses and values of the wetland to the community

The two roadway crossings, while permanent, will not aid in the destruction of private or public uses of the wetland. The wetland will still be able to flow as it has and maintain its aesthetic and recreational value. Any buffer impacts work to ensure that there are no harmful impacts to the wetland either.

7. SURFACE WATER IMPAIRMENTS

Map By

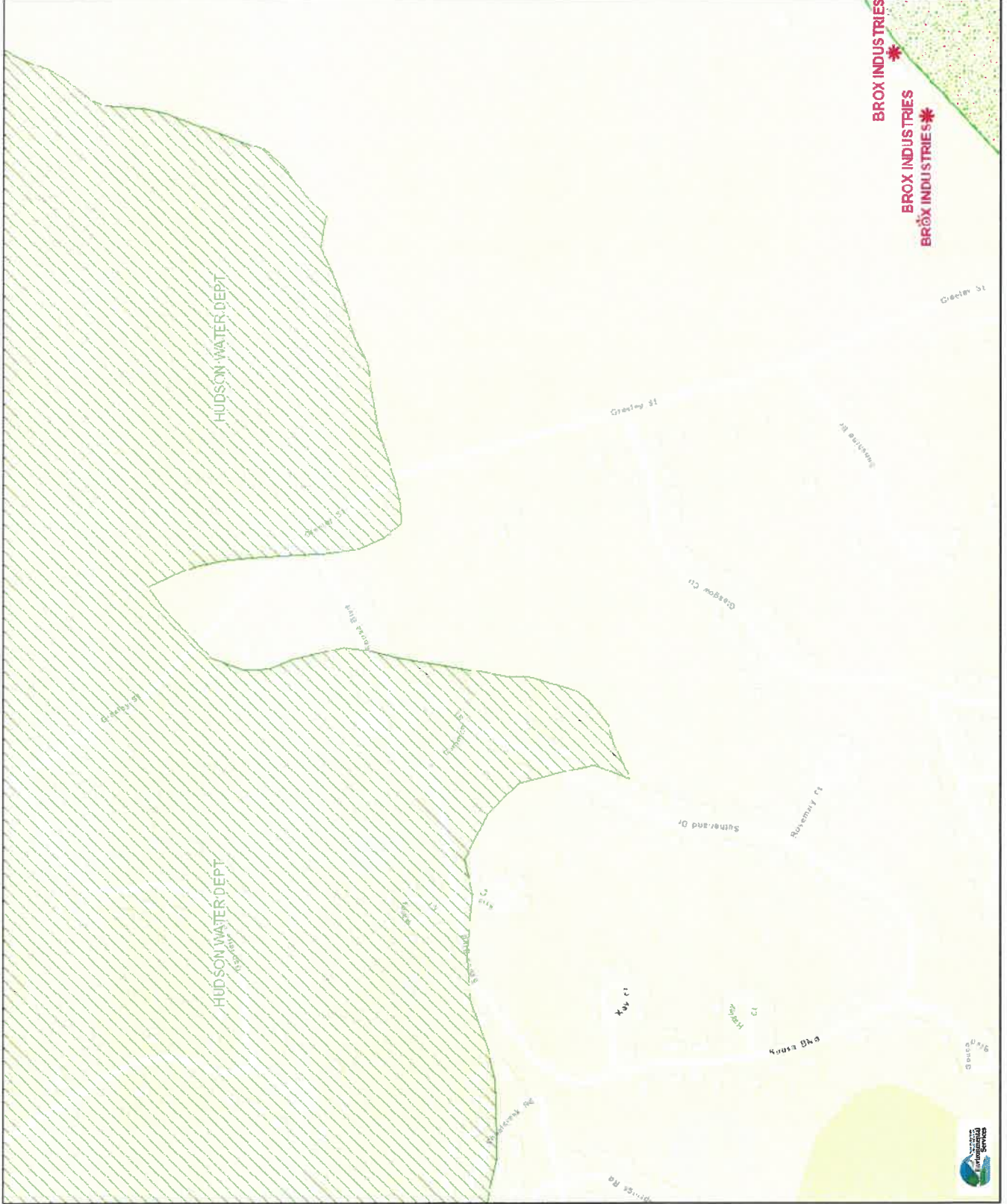
Legend

- * Remediation Sites
- Coastal and Great Bay Regional Communities
- Designated Rivers Quarterly Buffer
- Public Water Supply Wells
- Groundwater Classification / GA1
- Groundwater Classification / GA2
- Water Supply Intake Protection Areas
- Wellhead Protection Areas
- Class A Lakes with a Quarterly Buffer
- Class A - All Features
- All Lakes, with a Quarterly Buffer
- Outstanding Resource Watersheds
- Surface Waters with Impairments 2016 with Quarterly Buffer
- Watersheds with Chloride Impairments 2016

Map Scale
1: 6,494

© NH DES, <http://des.nh.gov>
Map Generated: 5/19/2021

Notes



8. NHDES WELL INVENTORY MAP

Heritage Landing Well Map

Legend

- Public_Water_Supply_Entiti
- Public Water Supply Wells
- Registered Water Users
- Water Well Inventory



Map Scale
1: 5,000

© NH DES, <http://des.nh.gov>
Map Generated: 5/19/2021

Notes



9. NWI MAP



U.S. Fish and Wildlife Service

National Wetlands Inventory

Heritage Landing



May 20, 2021

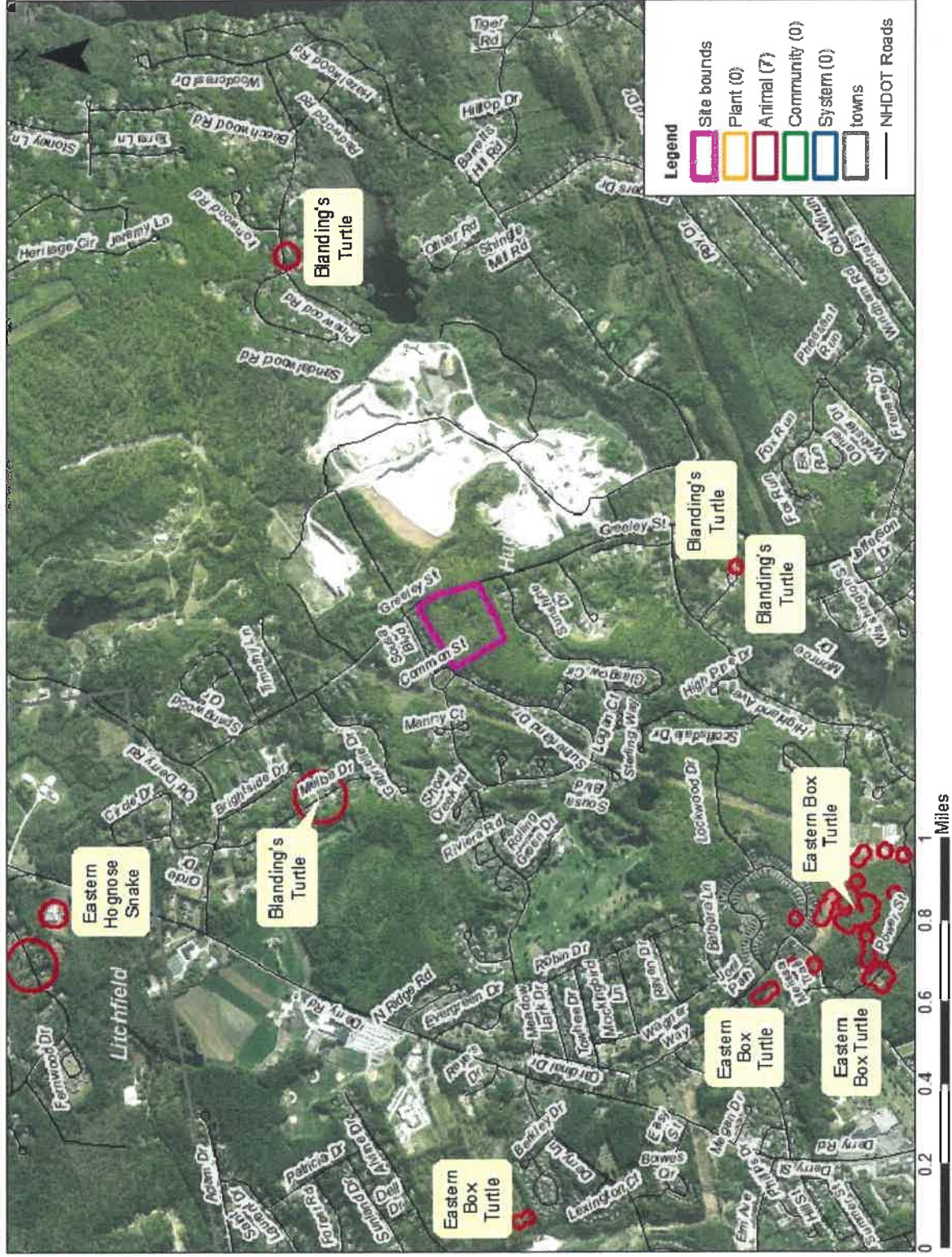
Wetlands

-  Estuarine and Marine Deepwater
-  Estuarine and Marine Wetland
-  Freshwater Emergent Wetland
-  Freshwater Forested/Shrub Wetland
-  Freshwater Pond
-  Lake
-  Other
-  Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

10. NEW HAMPSHIRE NATURAL HERITAGE INVENTORY LETTER

NHB21-0624



New Hampshire Natural Heritage Bureau - Animal Record

Eastern Hognose Snake (*Heterodon platirhinos*)

Legal Status

Federal: Not listed
State: Listed Endangered

Conservation Status

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

Description at this Location

Conservation Rank: Not ranked
Comments on Rank: --

Detailed Description: 2013: Area 13481: 1 adult observed sex unknown. 2011: Area 12922: 3 hatchlings observed. 2005: Area 11711: 1 adult seen.

General Area: 2013: Area 13481: Residential area with coniferous forest. 2011; Area 12922: At door of school. 2005: Area 11711: Residential garden.

General Comments: 2013: Area 13481: Observation comment: snake was killed by landowner.

Management: --
Comments:

Location

Survey Site Name: Cutler Road, Litchfield
Managed By:

County: Hillsborough

Town(s): Litchfield

Size: 11.5 acres

Elevation:

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

Directions: 2013: Area 13481: Between #65 and #61 Page Road, Litchfield. 2011: Area 12922: Tabernacle Christian School in Litchfield. 2005: Area 11711: 21 Cutler Road, approx 200' off of road in garden.

Dates documented

First reported: 2005-08-15

Last reported: 2013-05-10

The New Hampshire Fish & Game Department has jurisdiction over rare wildlife in New Hampshire. Please contact them at 11 Hazen Drive, Concord, NH 03301 or at (603) 271-2461.

New Hampshire Natural Heritage Bureau - Animal Record

Blanding's Turtle (*Emydoidea blandingii*)

Legal Status

Federal: Not listed
 State: Listed Endangered

Conservation Status

Global: Apparently secure but with cause for concern
 State: Critically imperiled due to rarity or vulnerability

Description at this Location

Conservation Rank: Not ranked
 Comments on Rank: --

Detailed Description: 2011: Area 13123M: 1 adult female observed, laying 8-9 eggs.

General Area: 2011: Area 13123M: Nesting in residential yard.

General Comments: --

Management: --

Comments:

Location

Survey Site Name: Robinson Pond
 Managed By:

County: Hillsborough

Town(s): Hudson

Size: 1.9 acres

Elevation:

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

Directions: 2011: Area 13123M: 28 Pinewood Road, Hudson.

Dates documented

First reported: 2011-06-20

Last reported: 2011-06-20

The New Hampshire Fish & Game Department has jurisdiction over rare wildlife in New Hampshire. Please contact them at 11 Hazen Drive, Concord, NH 03301 or at (603) 271-2461.

New Hampshire Natural Heritage Bureau - Animal Record

Blanding's Turtle (*Emydoidea blandingii*)

Legal Status	Conservation Status
Federal: Not listed	Global: Apparently secure but with cause for concern
State: Listed Endangered	State: Critically imperiled due to rarity or vulnerability

Description at this Location	
Conservation Rank:	Not ranked
Comments on Rank:	--
Detailed Description:	2013: Area 13420: 1 adult observed, sex unknown.
General Area:	2013: Area 13420: Residential yard, coniferous forest.
General Comments:	--
Management	--
Comments:	

Location	
Survey Site Name:	Robinson Pond
Managed By:	
County:	Hillsborough
Town(s):	Hudson
Size:	.4 acres
Elevation:	
Precision:	Within (but not necessarily restricted to) the area indicated on the map.
Directions:	2013: Area 13420: 11 Glover Brook Lane, Hudson.

Dates documented	
First reported:	2013-06-17
Last reported:	2013-06-17

The New Hampshire Fish & Game Department has jurisdiction over rare wildlife in New Hampshire. Please contact them at 11 Hazen Drive, Concord, NH 03301 or at (603) 271-2461.

New Hampshire Natural Heritage Bureau - Animal Record

Blanding's Turtle (*Emydoidea blandingii*)

Legal Status

Federal: Not listed
 State: Listed Endangered

Conservation Status

Global: Apparently secure but with cause for concern
 State: Critically imperiled due to rarity or vulnerability

Description at this Location

Conservation Rank: Not ranked
 Comments on Rank: --

Detailed Description: 2014: Area 13571: 1 adult male observed.
 General Area: 2014: Area 13571: Marshy area leading to small stream. Roads surrounding the marshy area.
 General Comments: --
 Management: --
 Comments:

Location

Survey Site Name: Robinson Pond
 Managed By:

County: Hillsborough
 Town(s): Hudson
 Size: .4 acres

Elevation:

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

Directions: 2014: Area 13571: Greeley Street, Hudson, at crossing of Glover Brook.

Dates documented

First reported: 2014-05-02 Last reported: 2014-05-02

The New Hampshire Fish & Game Department has jurisdiction over rare wildlife in New Hampshire. Please contact them at 11 Hazen Drive, Concord, NH 03301 or at (603) 271-2461.

New Hampshire Natural Heritage Bureau - Animal Record

Eastern Box Turtle (*Terrapene carolina*)

Legal Status

Federal: Not listed
State: Listed Endangered

Conservation Status

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

Description at this Location

Conservation Rank: Not ranked
Comments on Rank: --

Detailed Description: 2017-2019: Turtle 7010: Radiotracked female. Turtle 7011: Radiotracked male. Turtle 7012: Radiotracked male. Turtle 7013: Radiotracked female. Turtle 7014: Radiotracked female. 2016: Adult male tracked via telemetry. Initial capture on 6/2. First recapture on 6/7. Second recapture on 6/30. Second adult male captured and tagged on 9/9. 2014: Adult female tracked via telemetry. Believed to have laid eggs during telemetry survey, but no direct evidence.

General Area: 2016: Powerline right-of-way with dense shrub cover. Appalachian oak - pine forest on either side of right-of-way. 2014: Moving between woods and adjacent powerline corridor.

General Comments: --

Management: --

Comments:

Location

Survey Site Name: Musquash Brook
Managed By: Hamblett

County: Hillsborough

Town(s): Hudson

Size: 45.5 acres

Elevation:

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

Directions: --

Dates documented

First reported: 2014-06-18 Last reported: 2019-09-10

The New Hampshire Fish & Game Department has jurisdiction over rare wildlife in New Hampshire. Please contact them at 11 Hazen Drive, Concord, NH 03301 or at (603) 271-2461.

New Hampshire Natural Heritage Bureau - Animal Record

Eastern Box Turtle (*Terrapene carolina*)

Legal Status

Federal: Not listed
State: Listed Endangered

Conservation Status

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

Description at this Location

Conservation Rank: Not ranked
Comments on Rank: --

Detailed Description: 2020: Area 14583: 2 nesting females observed. Area 14660: 1 adult observed, sex unknown.
General Area: 2020: Area 14583: Gravel area in construction site. Area 14660: Edge of development construction area within clear-cut, leveled area.

General Comments: --
Management: --
Comments:

Location

Survey Site Name: Reeds Brook
Managed By:

County: Hillsborough
Town(s): Hudson
Size: .9 acres

Elevation:

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

Directions: --

Dates documented

First reported: 2020-05-31
Last reported: 2020-06-05

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11. WETLAND/WETLAND BUFFER IMPACT PLAN

12. WETLAND PHOTO PLAN AND ASSOCIATED WETLAND PHOTOS

Photo No. 1: Looking west at the wetlands.



Photo No. 2: Looking south along the wetland.



Photo No. 3: Looking south along the wetlands toward the property line.



Photo No. 4: Looking west at the wetland.



Photo No. 5: Looking west at the wetland



Photo No. 6: Looking north at the wetland and property line.



13. PLANS