

**II. Suggested Format for the HYDRO General Permit Notice of Intent (NOI):**

**Request for General Permit Authorization to Discharge Wastewater Notice of Intent (NOI) to be covered by Hydroelectric Generating Facilities General Permit (HYDROGP) No. MAG360000 or NHG360000**

Indicate Applicable General Permit for Discharge(s):       MAG360000                       NHG360000

**A. Facility Information**

1. Facility Location	Name: JACKMAN HYDROELECTRIC STATION	
	Street: 8 SAWMILL ROAD	
	City: HILLSBORO	State: NEW HAMPSHIRE
	Zip: 03244	SIC Code: 4911
	Latitude: N43° 06' 47.7"	Longitude: W71° 55' 32.1"
	Type of Business: ELECTRIC POWER GENERATION	
2. Facility Mailing Address (if different from Location)	Street: 670 N. COMMERCIAL ST SUITE 204	
	City: MANCHESTER	State: NEW HAMPSHIRE
	Zip: 03101	
3. Facility Owner	Name: PATRIOT HYDRO, LLC	Email: SILLER@PATRIOTHYDRO.COM
	Street: 670 N. COMMERCIAL ST SUITE 204	Telephone: (603) 540 - 8238

	City: MANCHESTER	State: NEW HAMPSHIRE
	Contact Person: SEAN ILLER	Zip: 03101
4. Facility Operator (if different from above)	Name:	Email:
	Street:	Telephone:
	City:	State:
	Zip:	
5. Current Permit Status	Has prior HYDROGP coverage been granted for the discharge(s) listed in the NOI?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Permit number (if yes): NH0001431	
	Is the facility covered under an Individual Permit?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Is there a pending NPDES application of file with EPA for the discharge(s)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	Date of Submittal (if yes): Click or tap to enter a date.	Permit Number (if known):
	Attach a topographic map indicating the locations. of the facility and outfall(s) to the receiving water	<input checked="" type="checkbox"/> Map Attached
	Number of turbines: 1	
	Combined turbine discharge (installed capacity) at:	Maximum capacity? 350 cfs Minimum capacity? 0 cfs
	Is this facility operated as a pump storage project?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Appendix 4 – NPDES Hydroelectric Facilities General Permit

**B. Discharge Information**

1. Name of Receiving Water(s): BEARDS BROOK		<input checked="" type="checkbox"/> Freshwater <input type="checkbox"/> Marine
2. Waterbody classification: <input type="checkbox"/> Class A <input checked="" type="checkbox"/> Class B <input type="checkbox"/> Class SA <input type="checkbox"/> Class SB		
3. Is the receiving water is listed in the State’s Integrated List of Waters (i.e., CWA Section 303(d))?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
4. If the applicant answered yes to B.2, has the applicant identified the designated uses that are impaired, any pollutants indicated, and whether a final TMDL is available for any of the indicated pollutants in a separate attachment to the NOI?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5. Attach a line drawing or flow schematic showing water flow through the facility including location of intake(s), operations contributing to effluent flow, treatment units, outfalls, and receiving water(s).		<input checked="" type="checkbox"/> Line Drawing Attached
6. List each outfall (numbered sequentially) discharging effluent from the following categories and provide an estimate of the average monthly flow (in gallons per day) for each discharge type. See Parts 1.1 through 1.5 (for MA) or Parts 2.1 through 2.5 (for NH) for descriptions and permit conditions for each discharge type.		
Equipment-related cooling water	Outfalls: 001	57600   gpd
Equipment and floor drain water	Outfalls: 001	50.13   gpd
Maintenance-related water	Outfalls: 002, 003, 004	72000.05   gpd
Facility maintenance-related water during flood/high water events	Outfalls:	gpd
Equipment-related backwash strainer water	Outfalls:	gpd

7. For each outfall listed above, provide the following information (attach additional sheets if necessary). Outfalls may be eligible for alternative pH effluent limits. See Parts 1.8 and 2.8 of the permit for additional information. Contact MassDEP or NHDES to determine the required information and protocol to request alternative pH effluent limits.				
Outfall No. 001a	Latitude: N43° 06' 44.8"		Longitude: W71° 55' 32.3"	
	Discharge is: <input checked="" type="checkbox"/> Continuous <input type="checkbox"/> Intermittent <input type="checkbox"/> Seasonal			
	Maximum Daily Flow 36000	GPD	Average Monthly Flow <36000	GPD
	Maximum Daily Temperature	Varies °F	Average Monthly Temperature	Varies °F
	Maximum Daily Oil & Grease 15	mg/L	Average Monthly Oil & Grease <15	mg/L
	Maximum Monthly pH 8.0	s.u.	Minimum Monthly pH 6.5	s.u.
	Alternative pH limits requested? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		State approval attached? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Outfall No. 001b	Latitude: N43° 06' 44.8"		Longitude: W71° 55' 32.3"	
	Discharge is: <input type="checkbox"/> Continuous <input checked="" type="checkbox"/> Intermittent <input type="checkbox"/> Seasonal			
	Maximum Daily Flow 31680	GPD	Average Monthly Flow <31680	GPD
	Maximum Daily Temperature	Varies °F	Average Monthly Temperature	Varies °F
	Maximum Daily Oil & Grease 15	mg/L	Average Monthly Oil & Grease <15	mg/L
	Maximum Monthly pH 8.0	s.u.	Minimum Monthly pH 6.5	s.u.
	Alternative pH limits requested? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		State approval attached? <input type="checkbox"/> Yes <input type="checkbox"/> No	

7. For each outfall listed above, provide the following information (attach additional sheets if necessary). Outfalls may be eligible for alternative pH effluent limits. See Parts 1.8 and 2.8 of the permit for additional information. Contact MassDEP or NHDES to determine the required information and protocol to request alternative pH effluent limits.

Outfall No. 002	Latitude: N43° 06' 38.5"	Longitude: W 71° 56' 55.03"
	Discharge is: <input type="checkbox"/> Continuous <input checked="" type="checkbox"/> Intermittent <input type="checkbox"/> Seasonal	
	Maximum Daily Flow .055 GPD	Average Monthly Flow .027 GPD
	Maximum Daily Temperature Varies °F	Average Monthly Temperature Varies °F
	Maximum Daily Oil & Grease 15 mg/L	Average Monthly Oil & Grease <15 mg/L
	Maximum Monthly pH 8.0 s.u.	Minimum Monthly pH 6.5 s.u.
	Alternative pH limits requested? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	State approval attached? <input type="checkbox"/> Yes <input type="checkbox"/> No
Outfall No. 003	Latitude: N 43° 06' 47.15"	Longitude: W 71° 56' 7.82"
	Discharge is: <input type="checkbox"/> Continuous <input checked="" type="checkbox"/> Intermittent <input type="checkbox"/> Seasonal	
	Maximum Daily Flow unknown MGD	Average Monthly Flow unknown MGD
	Maximum Daily Temperature Varies °F	Average Monthly Temperature Varies °F
	Maximum Daily Oil & Grease 15 mg/L	Average Monthly Oil & Grease <15 mg/L
	Maximum Monthly pH 8.0 s.u.	Minimum Monthly pH 6.5 s.u.
	Alternative pH limits requested? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	State approval attached? <input type="checkbox"/> Yes <input type="checkbox"/> No

Outfall No. 004	Latitude: N43° 06' 3.7"	Longitude: W 71° 55' 39.91"
	Discharge is: <input type="checkbox"/> Continuous <input checked="" type="checkbox"/> Intermittent <input type="checkbox"/> Seasonal	
	Maximum Daily Flow 72000 GPD	Average Monthly Flow 36000 GPD
	Maximum Daily Temperature Varies °F	Average Monthly Temperature Varies °F
	Maximum Daily Oil & Grease 15 mg/L	Average Monthly Oil & Grease <15 mg/L
	Maximum Monthly pH 8.0 s.u.	Minimum Monthly pH 6.5 s.u.
	Alternative pH limits requested? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	State approval attached? <input type="checkbox"/> Yes <input type="checkbox"/> No

**C. Best Technology Available for Cooling Water Intake Structures**

Facilities that checked “equipment-related cooling” as one of the discharges in Part B. of this NOI are subject to the following requirements. Facilities that intake more than 2 MGD for use in the facility (i.e., not used in the turbines to generate power) and which use at least 25% of the intake volume exclusively for cooling are not eligible for permit coverage and must submit an individual permit application. See Part 3.3 of the HYDROGP.

1. Does the facility intake water for cooling purposes subject to the BTA Requirements at Part 4 of the HYDROGP?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If no, skip to Part D of this NOI.
2. If yes, indicate which technology employed to comply with the general BTA requirements at Part 4.1 of the HYDROGP:	
<input type="checkbox"/> A physical or behavioral barrier located at the first intake encountered by fish on the upstream side of the dam that directs fish towards a downstream passage which safely conveys fish over the dam without being exposed to the CWIS. Has the applicant attached a narrative description of the barrier and provided data to demonstrate that the downstream fish passage effectively transports live fish in a manner that minimizes the likelihood of becoming impinged or entrained at the cooling water intake? <input type="checkbox"/> Yes <input type="checkbox"/> No	



### D. Chemical Additives

1.	Does the facility use or plan to use non-toxic chemicals for pH adjustment?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2.	Does the facility use or plan to use chemicals for anti-freeze purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3.	If the answer to D.2 is yes, provide the following for <b>EACH</b> chemical additive used for anti-freeze:	
Chemical Name and Manufacturer		
Maximum Dosage Concentration Used:		Average Dosage Concentration Used:
Maximum Concentration in Discharge: mg/L		Average Concentration in Discharge: mg/L
Material Safety Data Sheet (MSDS) or other toxicity documentation for each chemical attached? <input type="checkbox"/> Yes <input type="checkbox"/> No		

### E. Endangered Species Act Certification

Appendix 2 to the HYDROGP explains the certification requirements related to threatened and endangered species and designated critical habitat. Indicate under which criteria the discharge is eligible for coverage under the HYDROGP:	
1. ESA eligibility for species under jurisdiction of USFWS	<input type="checkbox"/> <b>Criterion A:</b> No endangered or threatened species or critical habitat are in proximity to discharges or related activities or come in contact with the “action area.” See Appendix 2, Part B for documentation requirements. Documentation attached? <input type="checkbox"/> Yes <input type="checkbox"/> No
	<input checked="" type="checkbox"/> <b>Criterion B:</b> Formal or informal consultation with the USFWS under Section 7 of the A resulted in either a no jeopardy opinion (formal consultation) or a written concurrence by USFWS a finding that the discharges and related activities are “not likely to adversely affect” listed species or critical habitat. Has the operator completed consultation with USFWS and attached documentation? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If no, is consultation underway? <input type="checkbox"/> Yes <input type="checkbox"/> No

	<input type="checkbox"/> <b>Criterion C:</b> Using the best scientific and commercial data available, the effect of the discharges and related activities on listed species and designated critical habitat have been evaluated. Based on those evaluations, a determination is made by EPA, or by the operator and affirmed by EPA, that the discharges and related activities will have “no effect” on any federally threatened or endangered species or designated critical habitat under the jurisdiction of the USFWS. Has the applicant attached documentation of the “no effect” finding? <input type="checkbox"/> Yes <input type="checkbox"/> No
2. ESA eligibility for species under jurisdiction of NMFS	<p>Is the facility located on: the Connecticut River between the Massachusetts/Connecticut state line and Turners Falls, MA; the Taunton River; the Merrimack River between Lawrence, MA and the Atlantic Ocean; the Piscataqua River including the Salmon Falls and Cocheco Rivers; or a marine water?</p> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	If yes, was the applicant authorized to discharge from the facility under the 2009 HYDROGP? <input type="checkbox"/> Yes <input type="checkbox"/> No
	If the discharge is to one of the named rivers above or to a marine water <i>and</i> the facility was not previously covered under the 2009 HYDROGP, has there been any previous formal or informal consultation with NMFS? <input type="checkbox"/> Yes <input type="checkbox"/> No Documentation of consultation attached? <input type="checkbox"/> Yes <input type="checkbox"/> No

**F. National Historic Properties Act Eligibility**

1. Indicate under which criterion the discharge(s) is eligible for covered under the HYDROGP:
<input type="checkbox"/> <b>Criterion A:</b> No historic properties are present.
<input checked="" type="checkbox"/> <b>Criterion B:</b> Historic properties are present. The discharges and related activities do not have the potential to impact historic properties.
<input type="checkbox"/> <b>Criterion C:</b> Historic properties are present. The discharges and related activities have the potential to impact or adversely impact historic properties.

2.	Has the applicant attached supporting documentation for NHPA eligibility described in Appendix 3, Part C of the HYDROGP? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3.	Does supporting documentation include a written agreement from the State Historic Preservation Officer, Tribal Historic Preservation Officer, or other tribal representative that outlines measures the operation will carry out to mitigate or prevent any adverse effects on historic properties? <input type="checkbox"/> Yes <input type="checkbox"/> No

**G. Supplemental Information**

Please provide any supplemental information, including antidegradation review information applicable to new or increased discharges. Attach any certifications required by the HYDROGP. Supplemental information attached? <input type="checkbox"/> Yes <input type="checkbox"/> No
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**H. Signature Requirements**

1.	The NOI must be signed by the operator in accordance with the signatory requirements of 40 C.F.R. § 122.22, including the following certification:	
	<i>I certify under penalty of law that no chemical additives are used in the discharges to be authorized under this General Permit except for those used for pH adjustment or anti-freeze purposes and that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.</i>	
2.	Notification provided to the appropriate State, including a copy of this NOI, if required?	<input type="checkbox"/> Yes <input type="checkbox"/> No
	Signature: 	Date: Click or tap to enter a date. <i>04-25-2023</i>
	Print Name and Title: <i>Sean J. Iller , EHS Manager</i>	

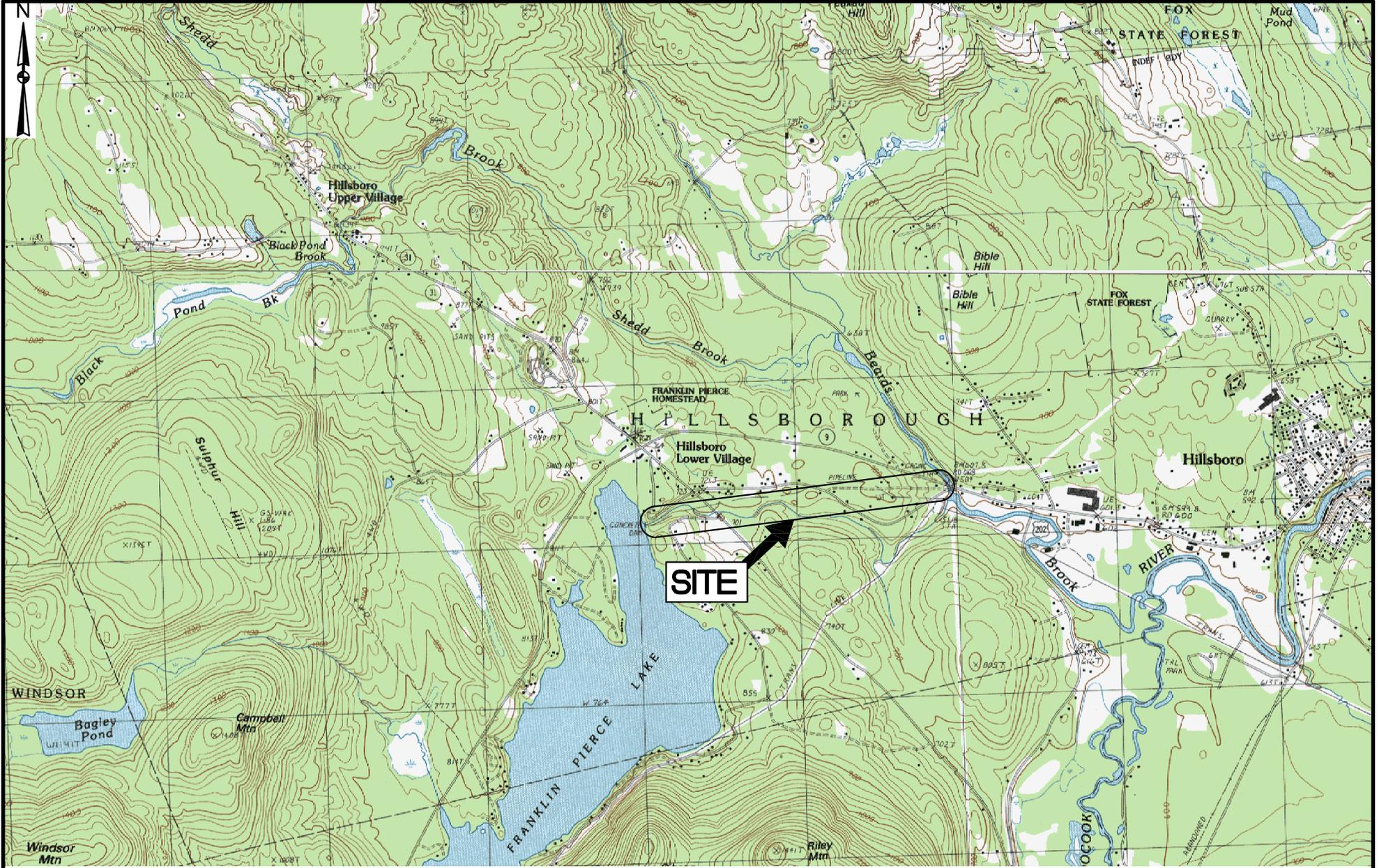
Public Service Company of New Hampshire  
Jackman Hydro Station

**Combined Equipment and Floor Drain Water and Equipment - Related Cooling Water**

Outfall	Description	Location	Contributing Operations	Average Flow	Total Average Flow	Occasional or Consistent Discharge	Discharging Water	Sample Location or Representative Outfall	Possible Annual Sampling
001a	Wheel Pit Drain (vacuum line)	N 43° 06' 44.8" W 71° 55' 32.3"	Bearing cooling/ leak off	20 GPM	25 GPM	Consistent (vacuum line used when generator is on-line)	Beards Brook	Grab sample from wheel pit, scroll case, draft tube, and floor drains	Yes
			Scroll case access	10-15 GPY					
			Gate stem leakage	50 GPD					
			Draft Tube access	10-15 GPY					
			Floor drains	0-20 GPY					
001b	Wheel Pit Drain (sump)	N 43° 06' 44.8" W 71° 55' 32.3"	Bearing cooling/ leak off	20 GPM	22 GPM	Intermittent (sump used when generator is off-line)	Beards Brook	Grab sample from wheel pit	Yes
			Gate stem leakage	50 GPD					

**Maintenance - Related Water**

002	Penstock Drain Dam Valve	N 43° 06' 38.5" W 71° 56' 55.03"			0-20 GPY	Intermittent	Beards Brook	Grab sample from penstock prior to discharge (no discharge to surface water)	Yes
			Penstock drain	0-20 GPY					
003	Penstock Drain Street Valve	N 43° 06' 47.15" W 71° 56' 7.82"	Penstock drain	?	?	Intermittent	Beards Brook	Grab sample from swale	Yes
004	Scroll Case Drain	N 43° 06' 3.7" W 71° 55' 39.91"	Scroll case drain	0-50 GPM	0-50 GPM	Intermittent	Beards Brook	Discharge inaccessible	No



SCALE IN MILES

PREPARED BY:  **GZA GeoEnvironmental, Inc.**  
 Engineers and Scientists  
 380 HARVEY ROAD  
 MANCHESTER, NEW HAMPSHIRE 03103  
 (603) 623-3600

PREPARED FOR:  
 PUBLIC SERVICE OF NEW HAMPSHIRE

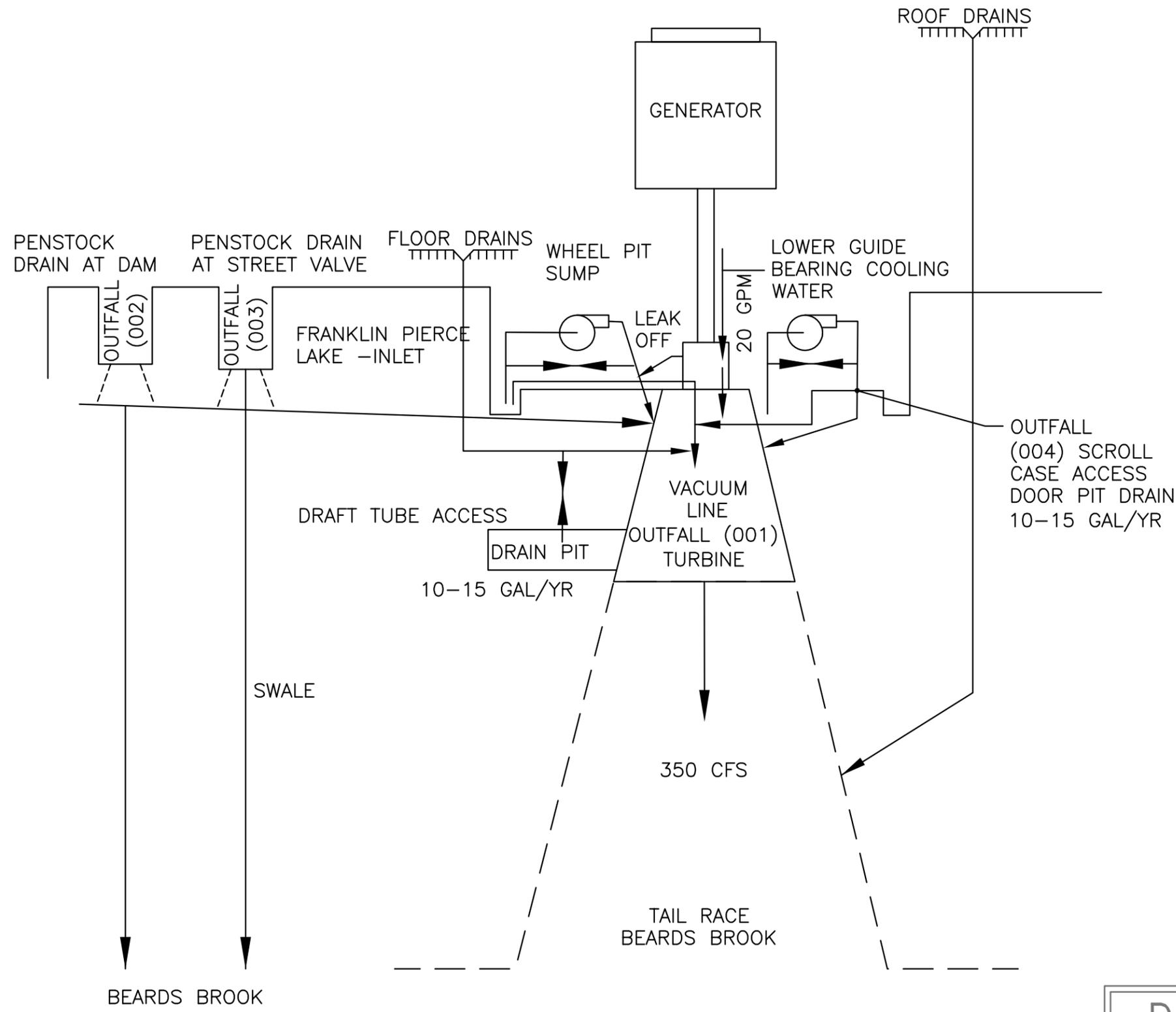
**NPDES HYDROELECTRIC GENERATING  
 FACILITIES GENERAL PERMIT  
 JACKMAN HYDROSTATION**

PUBLIC SERVICE OF NEW HAMPSHIRE  
 ROUTE 9, HILLSBORO NEW HAMPSHIRE 03244

LOCUS PLAN

PROJ MGR:	KDB	DATE	FEB 2010
DESIGNED BY:	DSJ	PROJECT NO.	04.0024931.00
REVIEWED BY:	RAB	REVISION NO.	
DRAWN BY:	MA		
CHECKED BY:	KDB		
SCALE:	AS SHOWN		

FIGURE  
**1**  
 SHEET NO.



DRAFT

NOTE: ALL FIGURES ARE BASED ON MAXIMUM CAPACITY.

<b>SCHEMATIC OF WATER FLOW</b> <b>PUBLIC SERVICE OF NEW HAMPSHIRE</b> <b>ROUTE 9, HILLSBORO NEW HAMPSHIRE 03244</b>			
<b>INTERIOR DRAINAGE PLAN</b>			
PREPARED BY: <b>GZA GeoEnvironmental, Inc.</b> Engineers and Scientists <small>380 HARVEY ROAD          MANCHESTER, NEW HAMPSHIRE          (603) 623-3600</small>	PREPARED FOR: <b>PUBLIC SERVICE OF NEW HAMPSHIRE</b> <small>780 NORTH COMMERCIAL STREET          MANCHESTER, NEW HAMPSHIRE</small>		
PROJ MGR: <b>KDB</b> DESIGNED BY: <b>DSJ</b> DATE: <b>FEB 2010</b>	REVIEWED BY: <b>RAB</b> DRAWN BY: <b>MA</b> PROJECT NO.: <b>04.0024931.00</b>	CHECKED BY: <b>KDB</b> SCALE: <b>NOT TO SCALE</b> REVISION NO.:	<b>FIGURE</b> <b>2</b> SHEET NO.

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# United States Department of the Interior



FISH AND WILDLIFE SERVICE  
New England Ecological Services Field Office  
70 Commercial Street, Suite 300  
Concord, NH 03301-5094  
Phone: (603) 223-2541 Fax: (603) 223-0104

In Reply Refer To:  
Project Code: 2023-0068718  
Project Name: Jackman Hydro Project

April 13, 2023

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

*Updated 3/8/2023 - Please review this letter each time you request an Official Species List, we will continue to update it with additional information and links to websites may change.*

## **About Official Species Lists**

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Federal and non-Federal project proponents have responsibilities under the Act to consider effects on listed species.

The enclosed species list identifies threatened, endangered, proposed, and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 et seq.).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested by returning to an existing project's page in IPaC.

## **Endangered Species Act Project Review**

Please visit the “**New England Field Office Endangered Species Project Review and Consultation**” website for step-by-step instructions on how to consider effects on listed

species and prepare and submit a project review package if necessary:

<https://www.fws.gov/office/new-england-ecological-services/endangered-species-project-review>

**\*NOTE\*** Please do not use the **Consultation Package Builder** tool in IPaC except in specific situations following coordination with our office. Please follow the project review guidance on our website instead and reference your **Project Code** in all correspondence.

**Northern Long-eared Bat - (Updated 3/8/2023)** The Service published a final rule to reclassify the northern long-eared bat (NLEB) as endangered on November 30, 2022. The final rule will go into effect on **March 31, 2023**. After that date, the current 4(d) rule for NLEB will be invalid, and the 4(d) determination key will no longer be available. New compliance tools will be available in March 2023, and information will be posted in this section on our website and on the northern long-eared bat species page, so please check this site often for updates.

Depending on the type of effects a project has on NLEB, the change in the species' status may trigger the need to re-initiate consultation for any actions that are not completed and for which the Federal action agency retains discretion once the new listing determination becomes effective. If your project may result in incidental take of NLEB after the new listing goes into effect, this will need to be addressed in an updated consultation that includes an Incidental Take Statement. Many of these situations will be addressed through the new compliance tools. If your project may require re-initiation of consultation, please wait for information on the new tools to appear on this site or contact our office for additional guidance.

#### *Additional Info About Section 7 of the Act*

Under section 7(a)(2) of the Act and its implementing regulations (50 CFR 402 et seq.), Federal agencies are required to determine whether projects may affect threatened and endangered species and/or designated critical habitat. If a Federal agency, or its non-Federal representative, determines that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Federal agency also may need to consider proposed species and proposed critical habitat in the consultation. 50 CFR 402.14(c)(1) specifies the information required for consultation under the Act regardless of the format of the evaluation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<https://www.fws.gov/service/section-7-consultations>

In addition to consultation requirements under Section 7(a)(2) of the ESA, please note that under sections 7(a)(1) of the Act and its implementing regulations (50 CFR 402 et seq.), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species. Please contact NEFO if you would like more information.

**Candidate species** that appear on the enclosed species list have no current protections under the ESA. The species' occurrence on an official species list does not convey a requirement to

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consider impacts to this species as you would a proposed, threatened, or endangered species. The ESA does not provide for interagency consultations on candidate species under section 7, however, the Service recommends that all project proponents incorporate measures into projects to benefit candidate species and their habitats wherever possible.

### **Migratory Birds**

In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts see:

<https://www.fws.gov/program/migratory-bird-permit>

<https://www.fws.gov/library/collections/bald-and-golden-eagle-management>

Please feel free to contact us at **newengland@fws.gov** with your **Project Code** in the subject line if you need more information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat.

Attachment(s): Official Species List

Attachment(s):

- Official Species List
-

## **OFFICIAL SPECIES LIST**

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

**New England Ecological Services Field Office**

70 Commercial Street, Suite 300

Concord, NH 03301-5094

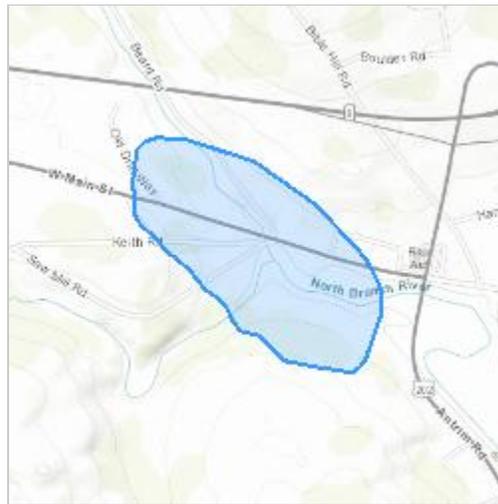
(603) 223-2541

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## PROJECT SUMMARY

Project Code: 2023-0068718  
Project Name: Jackman Hydro Project  
Project Type: Power Gen - Hydropower - Non-FERC  
Project Description: Preparation for NPDES general permit  
Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@43.11260695,-71.92508828351743,14z>



Counties: Hillsborough County, New Hampshire

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## ENDANGERED SPECIES ACT SPECIES

There is a total of 3 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries<sup>1</sup>, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

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1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

### MAMMALS

NAME	STATUS
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/9045">https://ecos.fws.gov/ecp/species/9045</a>	Endangered

### INSECTS

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/9743">https://ecos.fws.gov/ecp/species/9743</a>	Candidate

### FLOWERING PLANTS

NAME	STATUS
Small Whorled Pogonia <i>Isotria medeoloides</i> Population: No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/1890">https://ecos.fws.gov/ecp/species/1890</a>	Threatened

### CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

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## **IPAC USER CONTACT INFORMATION**

Agency: Patriot Hydro, LLC

Name: Brad Clay

Address: 670 N. Commercial Street Suite 204

City: Manchester

State: NH

Zip: 03101

Email: bclay@patriohydro.com

Phone: 6033437991

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HEB0073	Camp Mowglis Historic District	4 Mowglis Drive	Hebron	6/20/2019
HEN0017	Bennett Farm	11 Bennett Road	Henniker	9/14/2002
HEN0018	Henniker Town Hall	Depot Hill Road	Henniker	2/21/1981
HHL0007	Murray Hill Summer Home District	Murray Hill Road	Hill	3/17/1988
HHL0008	Hill Center Church	Hill Center Road	Hill	9/12/1985
HIL0015	Governor John Butler Smith House/ Community Building	29 School Street	Hillsborough	9/14/2002
HIL0016	Union Chapel	220 Sawmill Road	Hillsborough	2/3/2009
HIL0036	Jonathan Barnes House	593 Center Road	Hillsborough	3/1/1982
HIL0037	Contoocook Mills Industrial District	Mill Street	Hillsborough	12/12/1985
HIL0038	Contoocook Mills Industrial District	Mill Street	Hillsborough	6/10/1975
HIL0039	Hillsborough Covered Railroad Bridge	Adjacent to NH Route 149	Hillsborough	6/10/1975
HIL0040	Franklin Pierce Homestead	301 Second NH Turnpike	Hillsborough	10/15/1966
HIN0019	Holman & Merriman Machine Shop	63 Canal Street	Hinsdale	12/11/2007
HIN0026	Todd Block	14 Main Street	Hinsdale	6/14/1988
HLL0016	"The Block"	22-24 Main Street	Hollis	3/2/2001
HLL0017	Goodhue-Eastman House	2-4 Main Street	Hollis	3/2/2001
HLL0018	Congregational Church	3 Monument Square	Hollis	3/2/2001
HLL0022	Moses Smith Barn Foundation	2 Ash Street	Hollis	3/2/2001
HLL0023	Old Lorden Office	20 Ash Street	Hollis	3/2/2001
HLL0027	Central Schoolhouse	55 Broad Street	Hollis	3/2/2001
HLL0028	Grain Store	59 Broad Street	Hollis	3/2/2001
HLL0029	Spaulding House	60 Broad Street	Hollis	3/2/2001
HLL0066		11 Main Street	Hollis	3/2/2001
HLL0067	Gould House	28 Main Street	Hollis	3/2/2001
HLL0068	Buttonwood Farm/Cutter House	43 Main Street	Hollis	3/2/2001
HLL0069	Fisk House	54 Main Street	Hollis	3/2/2001
HLL0104	Peter Powers Site	8 Silver Lake Road	Hollis	3/2/2001
HLL0152	Nichols, Marion, Summer Home (The Lodge)	56 Love Lane	Hollis	12/10/2003
HLL0153	The Meeting House	2 Cleasby Lane, Monument Square	Hollis	3/11/1982
HLL0154	Hollis Village Historic District	Parts of Ash St., Broad St., Cleasby Lane, more	Hollis	3/2/2001
HMF0005	Governor Meshech Weare House	Exeter Road	Hampton Falls	6/29/1973
HMF0006	Unitarian Church	Exeter Road	Hampton Falls	12/13/1984
HMP0007	Hampstead Meeting House	Emerson Avenue	Hampstead	4/10/1980
HNO0001	Etna or Town Library	130 Etna Road	Hanover	4/25/1970
HNO0002	Etna Stone Bridge	Great Hollow Road over Mink Brook	Hanover	5/12/1997
HNO0112	Epic of American Civilization Murals, Baker Library	6025 Baker-Berry Library	Hanover	2/27/2013
HOK0002	Robie's Country Store	9 Riverside Street	Hooksett	8/31/2000
HOL0046	Holderness Inn	Route 3	Holderness	12/13/1984
HOL0054	Chapel of the Holy Cross	45 Chapel Lane	Holderness	9/7/2005
HOL0055	Holderness Free Library	Junction of Rte. 3 and Rte. 113	Holderness	3/7/1985
HOL0056	North Holderness Freewill Baptist Church-Holderness Historical Society Building	Owl Brook Road	Holderness	9/4/1986
HOL0057	Rockywood-Deephaven Camps	Pinehurst Road	Holderness	6/14/2013
HOL0058	Webster Estate	NH Route 113	Holderness	6/9/1989
HOL0059	Trinity Church	Churchyard Cemetery, Route 175	Holderness	9/7/1984
HOL0060	Shepard Hill Historic District	Shepard Hill Road, Asquam Road, Coboxoro Road	Holderness	10/8/2014
HOL0066	Chocorua Island Chapel	40 Chocorua Island	Holderness	9/20/2016
HOP0001	Contoocook Railroad Depot	896 Main Street	Hopkinton	3/16/2006
HOP0002	Stanley Tavern	371 Main Street	Hopkinton	9/7/2005
HOP0009	Howe-Quimby House	Sugar Hill Road	Hopkinton	6/27/1980
HOP0010	William H. Long Memorial	300 Main Street	Hopkinton	7/15/1977
HOP0011	Rowell's Covered Bridge	Clement Hill Road	Hopkinton	11/21/1976
HOP0012	Hopkinton Railroad Covered Bridge	NH 103 and NH 127	Hopkinton	1/11/1980
HUD0030	Hills Memorial Library	18 Library Street	Hudson	6/7/1984
HUD0065	G.O. Sanders House	10 Derry Street	Hudson	2/27/1986
HUD0106	Hills House "Alvirne"	211 Derry Road	Hudson	4/8/1983
JAC0001	Eagle Mountain House	Carter Notch Road (Route 16B), west side	Jackson	12/6/1990
JAC0008	Jackson Falls National Register Historic District	parts of Jackson Village Rd. and 5 Mile Circuit Rd	Jackson	3/12/2003
JAF0205	Jaffrey Mills/White Brothers Cotton Mill	10 Main Street (corner of Main & North Sts)	Jaffrey	8/10/1982
JAF0513	Jaffrey Center Historic District	Main Street	Jaffrey	6/11/1975
JAF0514	Downtown Jaffrey NR Historic District	Route 124	Jaffrey	6/14/2002
JEF0027	Waumbek Cottages District	Cottage Road and Starr King Road	Jefferson	3/15/2006
KEE0012	Faulkner & Colony Manufacturing Co.	210-222 West Street	Keene	3/25/2020
KEE0020	Noah Cooke House and Archeological Site	143 Daniels Hill Road	Keene	4/23/1973
KEE0182	Stone Arch Bridge, Cheshire Railroad	Cheshire Railroad over the Branch River, mm 89.41	Keene	8/14/2012
KEE0184	Beaver Mills	93 and 101-129 Railroad Street	Keene	12/9/1999
KEE0194	Sawyer Tavern	63 Arch Street	Keene	5/15/1980
KEE0233	Dr. Daniel Adams House	324 Main Street	Keene	6/8/1989
KEE0235	Colony's Block	4-7 Central Square	Keene	3/24/1984
KEE0236	Colony House	104 West Street	Keene	9/9/2005
KEE0237	Dinsmoor-Hale House	Southwest Corner of Main & Winchester St. Rotary	Keene	4/26/1976
KEE0238	Elliot Mansion	305 Main Street	Keene	4/30/1976
KEE0239	Catherine Fiske Seminary for Young Ladies	251 Main Street	Keene	5/3/1976
KEE0240	Grace Methodist Episcopal Church	34 Court Street	Keene	3/7/1985
KEE0241	United Church of Christ	25 Central Square	Keene	3/9/1982
KEE0242	Wyman Tavern	339 Main Street	Keene	4/3/1972
KEE0243	Cheshire County Courthouse	12 Court Street	Keene	12/13/1978
KEE0248	Joslin-Faulkner-Putnam House	150 Court Street	Keene	6/8/2021
KEN0002	Union Meeting House/Universalist Church	97 Amesbury Road	Kensington	2/13/2013
KEN0004	Kensington Town House	95 Amesbury Road	Kensington	4/9/2013
KEN0005	North School	63 Amesbury Road	Kensington	2/13/2013
KIN0103	First Universalist Church	Main Street, corner of Ronnie Lane	Kingston	12/26/1979
KIN0104	Josiah Bartlett House	West side of Main Street opposite Town Hall	Kingston	11/11/1971
KIN0105	Nichols Memorial Library	Main Street at corner of Depot Road	Kingston	1/28/1981
KIN0106	Sanborn Seminary	178 Main Street	Kingston	3/15/1984
LAC0016	Ossian Wilbur Goss Reading Room	188 Elm Street	Laconia	9/4/1986
LAC0045	Colonial Theatre	609 Main Street	Laconia	11/16/2020
LAC0171	John W. Busiel House/St. Joseph Rectory	30 Church Street	Laconia	9/19/1994
LAC0656	United Baptist Church of Lakeport	23 Park Street	Laconia	6/6/1985
LAC0661	Evangelical Baptist Church	Veteran Square	Laconia	9/12/1985
LAC0667	Belknap-Sulloway Mill	Mill Street	Laconia	1/25/1971
LAC0668	Busiel-Seeburg Mill	Mill Street	Laconia	1/25/1971
LAC0669	Endicott Rock	Weirs Channel, Weirs Beach	Laconia	5/28/1980
LAC0670	Federal Building	719 Main Street	Laconia	11/25/2011

<b>Inventory #</b>	<b>Property Name</b>	<b>Address</b>	<b>Town</b>	<b>SR Listing Date</b>
GOF0001	Horace Richards House/Aiken Academy	3 Lamson Avenue	Goffstown	1/27/2003
GOR0008	Gorham Town Hall	20 Park Street	Gorham	1/24/2005
GOR0010	George Washington Noyes House	2 Prospect Terrace	Gorham	4/25/2016
GOR0011	Gorham Congregational Church and Parsonage	143 Main Street	Gorham	7/29/2019
GOS0001	Sunapee Mountain Grange #144	49 North Mill Village Road	Goshen	4/28/2003
GRA0014	East Grafton School, District 5/Town Hall	35 Grafton Turnpike	Grafton	10/25/2010
GRA0015	Pines School, Depot School, District 13	7 Cherry Hill Road	Grafton	10/25/2010
GRA0017	Hinksons Carding Mill	Grafton Turnpike Road	Grafton	4/29/2013
GRA0018	Grafton Public Library	47 Library Road	Grafton	10/28/2012
GRA0019	East Grafton Union Church and Parsonage	Grafton Turnpike	Grafton	10/25/2010
GRA0023	Kimball Mill Historic District	129 Turnpike Rd	Grafton	10/26/2020
GRE0001	Greenfield Elementary School	7 Sawmill Road	Greenfield	1/27/2003
GRE0169	Stephenson Memorial Library		Greenfield	7/27/2020
GRL0020	North District School	376 Portsmouth Avenue	Greenland	1/30/2006
GRL0021	Thomas Ayres Homestead	47 Park Avenue	Greenland	4/23/2007
GRL0022	Weeks Public Library	36 Post Road	Greenland	10/26/2015
GRV0009	Columbian Manufacturing Mill Co. Mill No. 1	47 Main Street	Greenville	10/25/2021
HAM0029	Marelli's Market	465 Lafayette Road	Hampton	4/28/2008
HAM0035	Hampton Beach Fire Station	64 Ashworth Avenue	Hampton	10/25/2010
HAN0001	Daloz/Johnson/Bradford Mill Complex	4 Tannery Hill Road	Hancock	4/29/2002
HAV0073	Haverhill Lime Kilns	Limekiln Road, at the trail head of Chippewa Trail	Haverhill	7/30/2007
HAV0076	Union House	1260 Dartmouth College Highway	Haverhill	4/28/2014
HEB0004	Hebron Academy	7 School Street	Hebron	1/25/2016
HEB0005	The Parsonage	34 North Shore Road	Hebron	1/25/2016
HEB0006	Memorial Chapel (Town Offices) & Grange Hall	8 Church Lane	Hebron	1/25/2016
HEB0014	Meadow Wind	41 North Shore Road	Hebron	1/25/2016
HEB0015	Elliot House	6 Hobart Hill Road	Hebron	1/25/2016
HEB0016	Powers House & E. Adams Study	14 Church Lane	Hebron	1/25/2016
HEB0017	Noyes House	2 Church Lane	Hebron	1/25/2016
HEB0054	Ash Cottage	50 North Shore Road	Hebron	7/27/2020
HEB0072	East Hebron Schoolhouse	33 N. Mayhew Turnpike	Hebron	4/29/2019
HEN0002	New England College Covered Bridge	7 Main Street	Henniker	1/27/2003
HEN0014	Tucker Free Library	31 Western Avenue	Henniker	1/26/2015
HIL0003	Ray Farm	38 Ray Road	Hillsborough	7/28/2003
HIL0016	Union Chapel	220 Sawmill Road	Hillsborough	7/31/2006
HIL0035	Fuller Hall	612 Second NH Turnpike	Hillsborough	1/26/2015
HIL0272	Hillsborough Center Cemetery	56 E. Washington Road	Hillsborough	4/26/2021
HIN0019	Holman & Merriman Machine Shop	63 Canal Street	Hinsdale	1/29/2007