HYDRO General Permit Notice of Intent (NOI):

Request for General Permit Authorization to Discharge Wastewater Notice of Intent (NOI)
Hydroelectric Generating Facilities General Permit (HYDROGP) No. NHG360000

A. Facility Information

1.	Facility Location	Name: **Glen (Mascoma) Hydroelectric Project**	
		Street: 189 S. Main St.	
		City: West Lebanon	State: New Hampshire
		Zip: 03784	SIC Code: 4911
		Latitude: 43°37'58.85" N	Longitude: 72°19'02.68" W
		Type of Business: Hydroelectric power generation	
2.	Facility Mailing Address (if different from Location)	Street: 163 Acorn Lane	
		City: Colchester	State: VT
		Zip: 05446	
3.	Facility Owner	Name: Green Mountain Power	Email: laura.vallett@greenmountainpower.com
		Street: 163 Acorn Lane	Telephone: (802) 779-6996
		City: Colchester	State: VT
		Contact Person: Laura Vallett	Zip: 05446
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?		☑ Yes ☐ No
	Permit number (if yes): **NHG360024**		
	Is the facility covered under an Individual Permit?		☐ Yes ☑ No
	Is there a pending NPDES application of file with EPA for the discharge(s)?		☐ Yes ☑ No
	Date of Submittal (if yes):		Permit Number (if known):
	Attach a topographic map indicating the locations of the facility and outfall(s) to the receiving water		☑ Map Attached **Attachment 1**
	Number of turbines:		3
	Combined turbine discharge (installed capacity) at:	Maximum output capacity? 380 cfs Minimum output capacity? 310 cfs	
	Is this facility operated as a pump storage project?		☐ Yes ☑ No

B. Discharge Information

1.	Name of Receiving Water(s): Mascoma River	☑ Freshwater ☐ Marine
2.	Waterbody classification: ☐ Class A ☑ Class B ☐ Class SA	☐ Class SB
3.	Is the receiving water is listed in the State's Integrated List of Waters (i.e., CWA Section 303(d))?	☑ Yes ☐ 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?	☑ Yes ☐ No **Attachment 3**
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).	☑ Line Drawing Attached **Attachment 2**
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 2.1 through 2.5 for descriptions and permit conditions for each discharge type.	

Equipment-related cooling water	Outfalls: N/A	gpd
Equipment and floor drain water	Outfalls: N/A	gpd
Maintenance-related water	Outfalls: 001	**Intermittent**
Facility maintenance-related water during flood/high water events	Outfalls: N/A	gpd
Equipment-related backwash strainer water	Outfalls: N/A	gpd

7. For each outfall listed above, provide the following information. Outfalls may be eligible for alternative pH effluent limits. Contact NHDES to determine the required information and protocol to request alternative pH effluent limits.		
Outfall No. 001	Latitude: 43°38.00'N	Longitude: 72°19.03'W
	Discharge is: ☐ Continuous ☑ Intermittent ☐ Seasonal	
	Maximum Daily Flow **Normally dry**	Average Monthly Flow <0.0005 MGD
	Maximum Daily Temperature °F	Average Monthly Temperature °F
	Maximum Daily Oil & Grease 15 mg/L	Average Monthly Oil & Grease <15 mg/L
	Maximum Monthly pH 8 s.u.	Minimum Monthly pH 6.5 s.u.
	Alternative pH limits requested? ☐ Yes ☑ No	State approval attached? ☐ Yes ☐ No
Outfall No. N/A	Latitude:	Longitude:
	Discharge is: ☐ Continuous ☐ Intermittent ☐ Seasonal	
	Maximum Daily Flow MGD	Average Monthly Flow MGD
	Maximum Daily Temperature °F	Average Monthly Temperature °F
	Maximum Daily Oil & Grease mg/L	Average Monthly Oil & Grease mg/L
	Maximum Monthly pH s.u.	Minimum Monthly pH s.u.
	Alternative pH limits requested? ☐ Yes ☐ No	State approval attached? ☐ Yes ☐ No
Outfall No. N/A	Latitude:	Longitude:
	Discharge is: ☐ Continuous ☐ Intermittent ☐ Seasonal	
	Maximum Daily Flow MGD	Average Monthly Flow MGD
	Maximum Daily Temperature °F	Average Monthly Temperature °F
	Maximum Daily Oil & Grease mg/L	Average Monthly Oil & Grease mg/L
	Maximum Monthly pH s.u.	Minimum Monthly pH s.u.
	Alternative pH limits requested? ☐Yes ☐ No	State approval attached? ☐ Yes ☐ 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.

1. Does the facility intake water for cooling purposes subject to the BTA Requirements at Part 4 of the HYDROGP? ☐ Yes ☑ 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 4.2.b of the HYDROGP:

☐ An existing technology (e.g., a physical or behavioral barrier, spillway, or guidance device) that directs fish towards a downstream passage that minimizes exposure to the CWIS. Has the applicant attached a narrative description of the barrier 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? ☐ Yes ☐ No

☐ An effective intake velocity at the point of cooling water withdrawal, or alternatively, at the point where cooling water enters the penstock (for intakes located within the penstock), not to exceed 0.5 fps. Has the applicant attached a demonstration of compliance with this intake velocity through observation of live fish in the intake or calculation based on the maximum intake volume and minimum bypass flow? ☐ Yes ☐ No

☐ For cooling water withdrawn directly from the source waterbody (i.e., not from within the penstock), a physical screen or other barrier technology with a mesh size no greater than ½-inch) that minimizes the potential for adult and juvenile fish to become entrapped in the CWIS. Has the applicant attached a description of the technology? ☐ Yes ☐ No

If the mesh size of the screen is greater than ½-inch has the applicant demonstrated that the calculated intake velocity is less than 0.5 fps based on the screen dimensions, maximum intake volume, and source water 7Q10 low flow?

3. If the answer to question C.1 is yes, in addition to complying with one of the criteria above, the applicant must submit the following information:

Maximum daily volume of cooling water withdrawn during previous five (5) years: _____ gpd

Maximum monthly average volume of cooling water withdrawn during the previous five (5) years: _____ gpd

Maximum daily and average monthly volume of water used exclusively for cooling: Max:_____gpd Avg:_____gpd

Maximum daily and average monthly volume of water used for another process before or after being used for cooling:

Max:_____gpd Avg:_____gpd

Has the applicant attached a narrative description explaining how cooling water is reused? ☐ Yes ☐ No

Volume of total intake water withdrawn and used in facility as a percentage of:

Installed turbine capacity_____% Average daily flow through penstock_____% Minimum flow through penstock_____%

Source water annual mean flow (*e.g.*, available from USGS, MassDEP, or NHDES):_____ cfs

Source water 7-day mean low flow with 10-year recurrence interval (7Q10):_____ cfs

Volume of total intake water withdrawn and used in facility as a percentage of:

Source water mean annual flow_____cfs Source water 7Q10 flow _____cfs

D. Chemical Additives

1.	Does the facility use or plan to use non-toxic chemicals for pH adjustment?	☐ Yes ☑ No
2.	Does the facility use or plan to use chemicals for anti-freeze purposes?	☐ Yes ☑ No

3. If the answer to D.2 is yes, provide the following for **EACH** 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? ☐ Yes ☐ 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	☐ **Criterion A**: No endangered or threatened species or critical habitat are in proximity to the discharges or related activities or come in contact with the "action area." See Appendix 2, Part B for documentation requirements. Documentation attached? ☐ Yes ☐ No
	☑ **Criterion B**: Formal or informal consultation with the USFWS under Section 7 of the ESA resulted in either a no jeopardy opinion (formal consultation) or a written concurrence by USFWS on 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? ☑ Yes ☐ No. **(FERC #P-8405)** If no, is consultation underway? ☐ Yes ☐ No
	☐ **Criterion C**: 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? ☐ Yes ☐ No

2.	ESA eligibility for species under jurisdiction of NMFS	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? ☐ Yes ☑ No
		If yes, was the applicant authorized to discharge from the facility under the 2009 HYDROGP? ☐ Yes ☐ No
		If the discharge is to one of the named rivers above or to a marine water *and* the facility was not previously covered under the 2009 HYDROGP, has there been any previous formal or informal consultation with NMFS? ☐ Yes ☐ No Documentation of consultation attached? ☐ Yes ☐ No

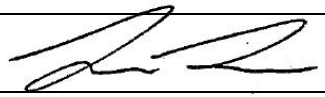
F. National Historic Properties Act Eligibility

1.	Indicate under which criterion the discharge(s) is eligible for covered under the HYDROGP:
☐	**Criterion A**: No historic properties are present.
☑	**Criterion B**: Historic properties are present. The discharges and related activities do not have the potential to impact historic properties. **(FERC #P-8405)**
☐	**Criterion C**: 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? ☐ Yes ☑ 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? ☐ Yes ☐ No

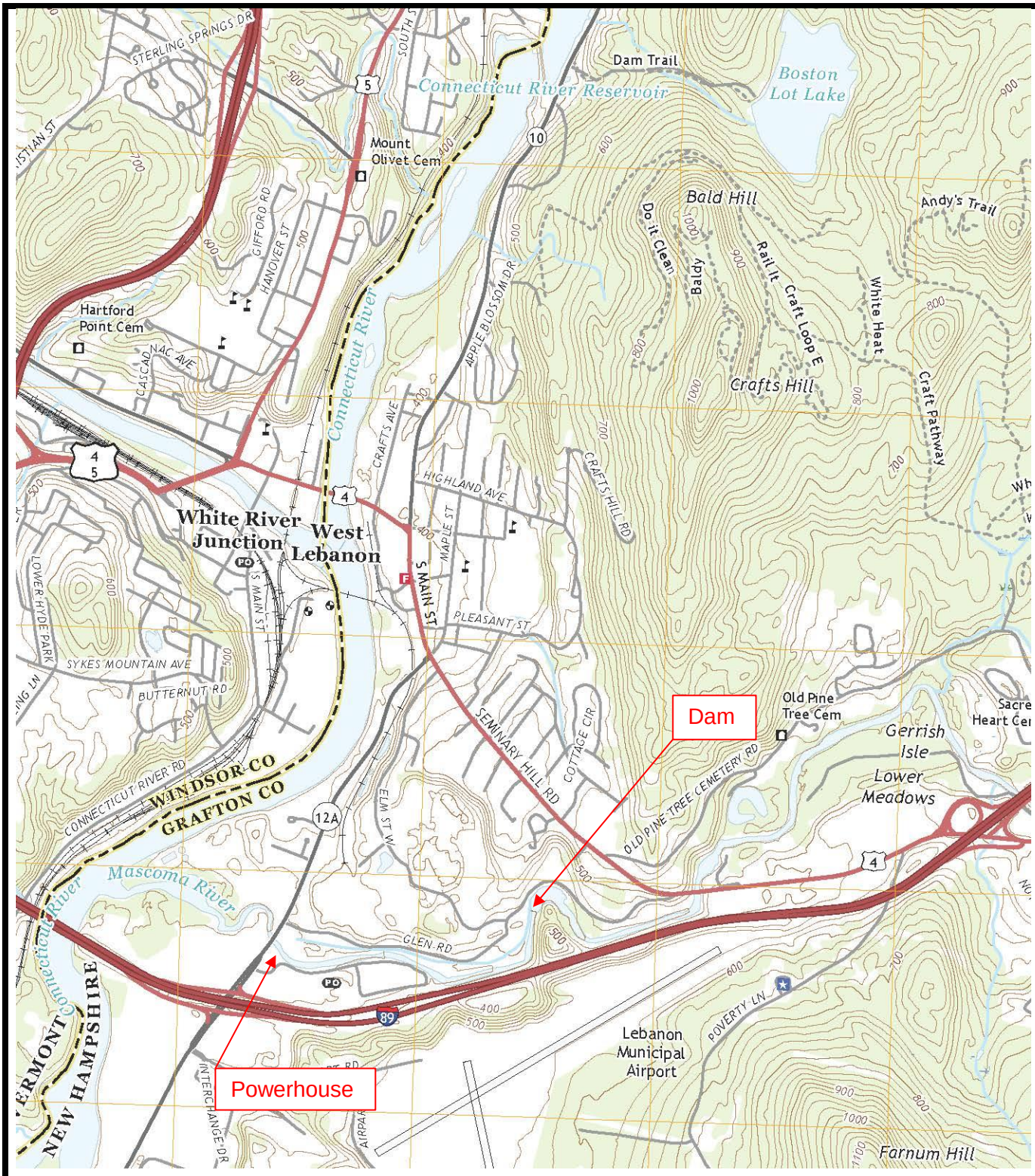
G. Supplemental Information

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? ☐ Yes ☐ No

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 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.	
2. Notification provided to the appropriate State, including a copy of this NOI, if required?	☑ Yes ☐ No
Signature: 	Date: 6/14/2023
Print Name and Title: Jason Lisai, Director Generation & Relay Operations	

Attachment 1. Site Location Map, Glen (Mascoma) Hydroelectric Project



Source: USGS Hanover, NH-VT Quadrangle, 2018

horizons Engineering Inc.

34 School Street
Littleton, NH 03561
Phone: 603.444.4111 – Fax 603.444.1343

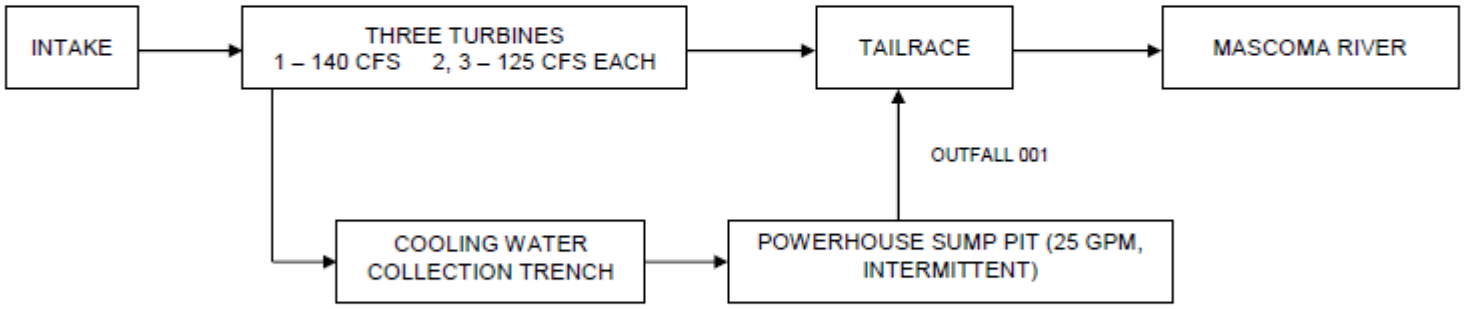
Attachment 1 - Site Location Map

Glen Hydroelectric Project (FERC #P-8405)

LEBANON, NH

PROJECT #:	16092
ENGIN'D BY:	BHC
DRAWN BY:	BHC
DATE:	JUN 2020

Attachment 2. Line Drawing, Glen (Mascoma) Hydroelectric Project



Attachment 3. New Hampshire Watershed Report Card/Watershed 305(b) Assessment Summary Report

Welcome to New Hampshire's Watershed Report Cards built from the 2020/2022, 305(b)/303(d)

Each Watershed Report Card covers a single 12-digit Hydrologic Unit Code (HUC12), on average a 34 square mile area. Each Watershed Report Card has three components;

1. REPORT CARD - A one page card that summarizes the overall use support for Aquatic Life Integrity, Primary Contact (i.e. Swimming), and Secondary Contact (i.e. Boating) Designated Uses on every Assessment Unit ID (AUID) within the HUC12.
2. HUC 12 MAP - A map of the watershed with abbreviated labels for each AUID within the HUC12.
3. ASSESSMENT DETAILS - Anywhere from one to forty pages with the detailed assessment information for each and every AUID in the Report Card and Map.

How are the Surface Water Quality Assessment determinations made?

All readily available data with reliable Quality Assurance/Quality Control is used in the biennial surface water quality assessments. For a full understanding of how the Surface Water Quality Standards (Env-Wq 1700) are translated into surface water quality assessments we urge the reader to review the 2020/2022 Consolidated Assessment and Listing Methodology (CALM).

Where can I find more advanced mapping resources?

GIS files are available by assessment cycle at the NHDES FTP site.

I'd like to see the more raw water quality data?

The web mapping tool allows you to download the data used in the assessment of the primary contact and aquatic life designated uses by clicking on the "Data Access Waterbody Data (Aquatic Life and Swimming Uses)" link for any assessment unit.

How are assessments coded in the report card?

Assessment outcomes are displayed on a color scale as well as an alpha numeric scale that provides additional distinctions for the designated use and parameter level assessments as outlined in the table below.

		Severe Not Supporting, Severe	**Poor** Not Supporting, Marginal	**Likely Bad** Insufficient Information – Potentially Not Supporting	**No Data** No Data	**Likely Good** Insufficient Information – Potentially Full Supporting	**Marginal** Full Support, Marginal	**Good** Full Support, Good
CATEGORY	**Description**							
Category 2	Meets standards						2-M or 2-OBS	2-G
Category 3	Insufficient Information			3-PNS	3-ND	3-PAS		
Category 4	Does not Meet Standards;							
4A	TMDL* Completed	4A-P	4A-M or 4A-T					
4B	Other enforceable measure will correct the issue.	4B-P	4B-M or 4B-T					
4C	Non-pollutant (i.e. exotic weeds)	4C-P	4C-M					
Category 5	TMDL* Needed	5-P	5-M or 5-T					

* TMDL stands for Total Maximum Daily Load studies

Watershed 305(b) Assessment Summary Report:

Assessment Cycle: 2020/2022

HUC 12: 010801060106

HUC 12 Name: Lower Mascoma River

(Locator map on next page only applies to this HUC12)

Good	Meets water quality standards/thresholds by a relatively large margin.
Marginal	Meets water quality standards/thresholds but only marginally.
Likely Good	Limited data available, however, the data that is available suggests that the parameter is Potentially Attaining Standards (PAS).
No Current Data	Insufficient information to make an assessment decision.
Likely Bad	Limited data available, however, the data that is available suggests that the parameter is Potentially Not Supporting (PNS) water quality standards.
Poor	Not meeting water quality standards/thresholds. The impairment is marginal.
Severe	Not meeting water quality standards/thresholds. The impairment is more severe and causes poor water quality.

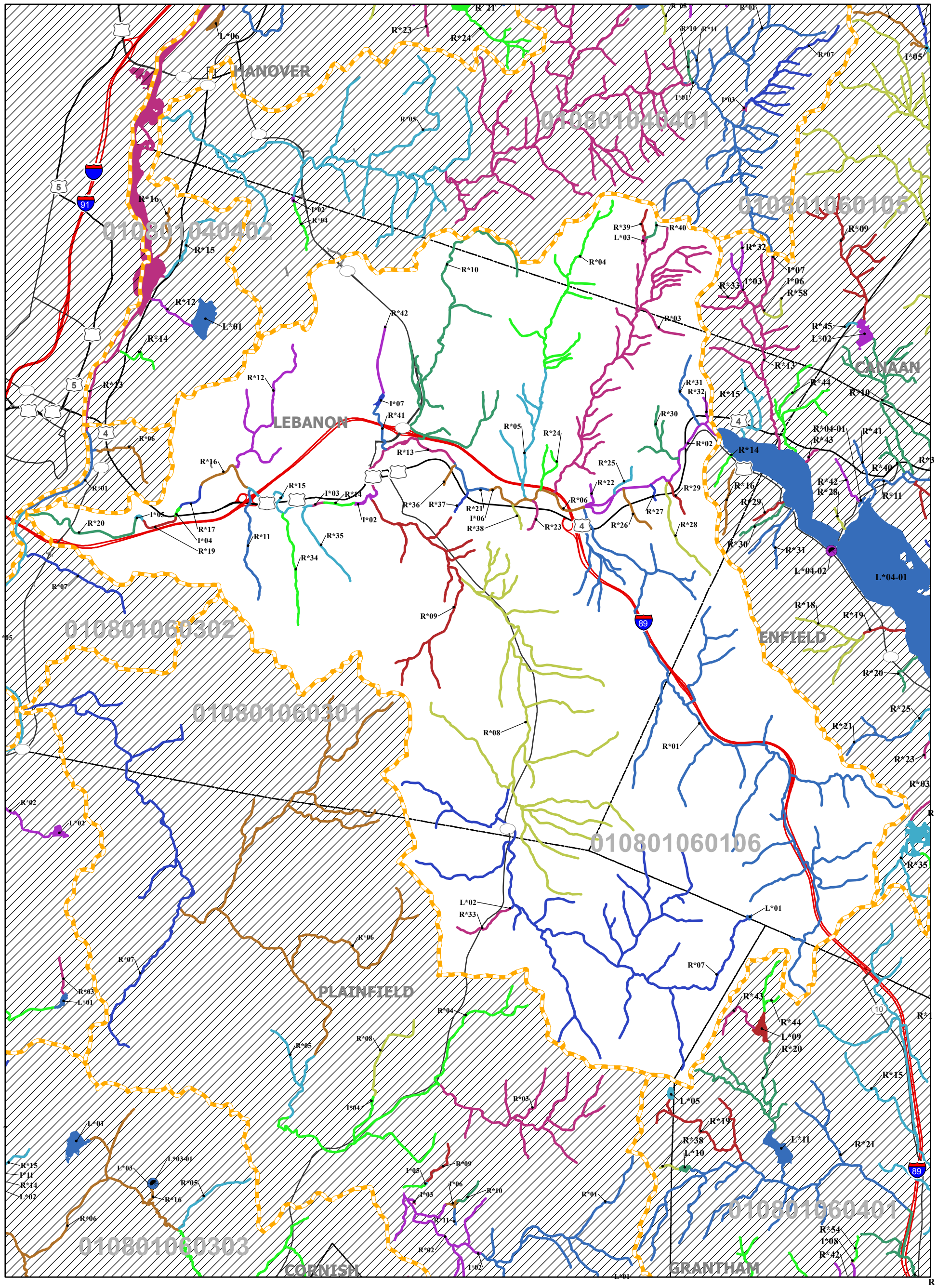



Assessment Unit ID	Map Label	Assessment Unit Name	Aquatic Life	Fish Consump.	Swimming	Boating
NHIMP801060106-02	I*02	Mascoma River - Rivermill		4A-M	4B-M	3-ND
NHIMP801060106-03	I*03	Mascoma River - Plant No 1 Dam	3-ND	4A-M	3-ND	3-ND
NHIMP801060106-04	I*04	Mascoma River	3-ND	4A-M	4B-M	3-ND
NHIMP801060106-05	I*05	Mascoma River - Glen Road Dam	3-ND	4A-M	4B-M	3-ND
NHIMP801060106-06	I*06	Mascoma River	3-ND	4A-M	3-ND	3-ND
NHIMP801060106-07	I*07	Unnamed Brook - Densmore Detention Pond Dam	3-ND	4A-M	3-ND	3-ND
NHLAK801060106-01	L*01	Unnamed Pond	3-ND	4A-M	3-ND	3-ND
NHLAK801060106-02	L*02	Unnamed Pond	3-ND	4A-M	3-ND	3-ND
NHLAK801060106-03	L*03	Unnamed Pond	3-ND	4A-M	3-ND	3-ND
NHRIV801060106-01	R*01	Stoney Brook	3-PAS	4A-M	3-ND	3-ND
NHRIV801060106-02	R*02	Mascoma River	3-PAS	4A-M	3-ND	3-ND
NHRIV801060106-03	R*03	Hardy Hill Brook - Unnamed Brook	5-M	4A-M	4A-P	4A-P

NHRIV801060106-04	R*04	Blodgett Brook	5-M	4A-M	4A-P	3-ND
NHRIV801060106-05	R*05	Blodgett Brook - Unnamed Brook	3-PAS	4A-M	4A-P	4A-P
NHRIV801060106-06	R*06	Mascoma River	3-ND	4A-M	3-ND	3-ND
NHRIV801060106-07	R*07	Great Brook - Unnamed Brook	3-ND	4A-M	3-ND	3-ND
NHRIV801060106-08	R*08	Great Brook - Unnamed Brook	3-ND	4A-M	3-ND	3-ND
NHRIV801060106-09	R*09	Great Brook - Unnamed Brook	3-ND	4A-M	4B-M	3-ND
NHRIV801060106-10	R*10	Unnamed Brook	3-ND	4A-M	3-ND	3-ND
NHRIV801060106-11	R*11	Unnamed Brook - To Masacoma River	3-ND	4A-M	3-ND	3-ND
NHRIV801060106-12	R*12	Unnamed Brook - To Masacoma River	3-ND	4A-M	3-ND	3-ND
NHRIV801060106-13	R*13	Mascoma River	3-ND	4A-M	3-ND	3-ND
NHRIV801060106-14	R*14	Mascoma River	3-ND	4A-M	3-ND	3-ND
NHRIV801060106-15	R*15	Mascoma River	3-ND	4A-M	4B-M	3-ND
NHRIV801060106-16	R*16	Mascoma River	3-ND	4A-M	4B-M	3-ND
NHRIV801060106-17	R*17	Mascoma River	3-ND	4A-M	4B-M	3-ND
NHRIV801060106-19	R*19	Mascoma River	3-ND	4A-M	4B-M	3-ND
NHRIV801060106-20	R*20	Mascoma River	3-PAS	4A-M	4B-M	2-M
NHRIV801060106-21	R*21	Mascoma River - Unnamed Brook	3-ND	4A-M	3-ND	3-ND
NHRIV801060106-22	R*22	Unnamed Brook	3-ND	4A-M	3-ND	3-ND
NHRIV801060106-23	R*23	Unnamed Brook	3-ND	4A-M	3-ND	3-ND
NHRIV801060106-24	R*24	Unnamed Brook	3-ND	4A-M	3-ND	3-ND
NHRIV801060106-25	R*25	Unnamed Brook	3-ND	4A-M	3-ND	3-ND
NHRIV801060106-26	R*26	Unnamed Brook	3-ND	4A-M	3-ND	3-ND
NHRIV801060106-27	R*27	Unnamed Brook	3-ND	4A-M	3-ND	3-ND
NHRIV801060106-28	R*28	Unnamed Brook	3-ND	4A-M	3-ND	3-ND
NHRIV801060106-29	R*29	Unnamed Brook	3-ND	4A-M	3-ND	3-ND
NHRIV801060106-30	R*30	Unnamed Brook	3-ND	4A-M	3-ND	3-ND
NHRIV801060106-31	R*31	Unnamed Brook	3-ND	4A-M	3-ND	3-ND
NHRIV801060106-32	R*32	Unnamed Brook	3-ND	4A-M	3-ND	3-ND
NHRIV801060106-33	R*33	Unnamed Brook	3-ND	4A-M	3-ND	3-ND
NHRIV801060106-34	R*34	Unnamed Brook	3-ND	4A-M	3-ND	3-ND
NHRIV801060106-35	R*35	Unnamed Brook	3-ND	4A-M	3-ND	3-ND
NHRIV801060106-36	R*36	Unnamed Brook	3-ND	4A-M	3-ND	3-ND

NHRIV801060106-37	R*37	Unnamed Brook	3-ND	4A-M	3-ND	3-ND
NHRIV801060106-38	R*38	Unnamed Brook	3-ND	4A-M	3-ND	3-ND
NHRIV801060106-39	R*39	Unnamed Brook	3-ND	4A-M	3-ND	3-ND
NHRIV801060106-40	R*40	Unnamed Brook	3-ND	4A-M	3-ND	3-ND
NHRIV801060106-41	R*41	Unnamed Brook	3-ND	4A-M	3-ND	3-ND
NHRIV801060106-42	R*42	Unnamed Brook	3-ND	4A-M	3-ND	3-ND

AUIDs For HUC12: 010801060106 - Lower Mascoma River



HUC12 Boundaries
Town Boundaries
Major Roads
Interstate Highway
US Highway
State Highway

Assessment Unit Coloring
AUs Ending with:
0 =
1 =
2 =
3 =
4 =
5 =
6 =
7 =
8 =
9 =

N
W E
S

Abbrv. Label	HUC 12
L* 03	010 700060201

AUID = NH L AK700060201 - 03

Assessment Unit IDs are derived from the HUC12 they reside within. The labels have been shortened on this map for presentation purposes.
Example: the Label "L*03" in HUC12 = 010700060201 represents AUID = "NHLAK700060201-03"
In rare cases where an AUID extends beyond the boundary of a single HUC12, additional portions of the end of the HUC 12 number have also been replaced.

0 0.6 1.2 1.8 2.4 Miles

Scale:1:61,640

S:\WD-Watershed\WQ_Planning\305b_303d\2020\Report_Cards\HUC12_maps

Assessment Unit ID: NHIMP801060106-05
Assessment Unit Name: Mascoma River - Glen Road Dam
Town(s) Primary Town is Listed First: Lebanon

Size: 7 ACRES
Assessment Unit Category: 4B-M
Beach: N

2020/2022, 305(b)/303(d) - All Reviewed Parameters by Assessment Unit

Designated Use Description	Desig. Use Category	Parameter Name	Parameter Threatened (Y/N)	Last Sample	Last Exceed	Parameter Category	TMDL Priority
Aquatic Life Integrity	3-ND	Chlorophyll-a	N	N/A	NLV	3-ND	
		Dissolved oxygen saturation	N			3-ND	
		Oxygen, Dissolved	N			3-ND	
		pH	N			3-ND	
Fish Consumption	4A-M	MERCURY - FISH CONSUMPTION ADVISORY	N			4A-M	
Potential Drinking Water Supply	2-G						
Primary Contact Recreation	4B-M	Escherichia coli	N		CSO	4B-M	
Secondary Contact Recreation	3-ND	Escherichia coli	N			3-ND	
Wildlife	3-ND						

Good	Marginal	Likely Good	No Current Data	Likely Bad	Poor	Severe
Meets water quality standards/thresholds by a relatively large margin.	Meets water quality standards/thresholds but only marginally.	Limited data available. The data that is available suggests that the parameter is Potentially Attaining Standards (PAS)	Insufficient information to make an assessment decision.	Limited data available The data that is available suggests that the parameter is Potentially Not Supporting (PNS) water quality standards.	Not meeting water quality standards/thresholds. The impairment is marginal.	Not meeting water quality standards/thresholds The impairment is more severe and causes poor water quality.

Attachment 4. US Fish and Wildlife Service Official Species List

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: June 12, 2023
Project Code: 2023-0092168
Project Name: Glen (Mascoma) Hydroelectric Project, FERC No. P-8405

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 4/12/2023 - 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 4/12/2023**) The Service published a final rule to reclassify the northern long-eared bat (NLEB) as endangered on November 30, 2022. The final rule went into effect on March 31, 2023. You may utilize the **Northern Long-eared Bat Rangewide Determination Key** available in IPaC. More information about this Determination Key and the Interim Consultation Framework are available on the northern long-eared bat species page:

https://www.fws.gov/species/northern-long-eared-bat-myotis-septentrionalis

For projects that previously utilized the 4(d) Determination Key, 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 was not completed by March 31, 2023, and may result in incidental take of NLEB, please reach out to our office at newengland@fws.gov to see if reinitiation is necessary.

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

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

PROJECT SUMMARY

Project Code: 2023-0092168
Project Name: Glen (Mascoma) Hydroelectric Project, FERC No. P-8405
Project Type: Power Gen - Hydropower - FERC
Project Description: NPDES General Permit (HYDROGP NHG360000)
Project Location:

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@43.6341417,-72.3040241822851,14z

Counties: Grafton County, New Hampshire

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[1], 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 *Myotis septentrionalis* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045	Endangered

INSECTS

NAME	STATUS
Monarch Butterfly *Danaus plexippus* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9743	Candidate

FLOWERING PLANTS

NAME	STATUS
Jesup"s Milk-vetch *Astragalus robbinsii var. jesupii* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/388	Endangered

CRITICAL HABITATS

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

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

IPAC USER CONTACT INFORMATION

Agency: Private Entity
Name: Beth Eliason
Address: 40 IDX Drive, Bldg 100, Ste 200
City: South Burlington
State: VT
Zip: 05403
Email beliason@vhb.com
Phone: 8024976126

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Environmental Protection Agency