



WATER INFRASTRUCTURE PROJECT

Environmental Review Information Document



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|--|-----------------------|
| PROJECT TITLE: Interconnection with Pennichuck East Utility | |
| FUNDING RECIPIENT (ENTITY): Wagon Wheel Cooperative | |
| COORDINATES: 42.89717927604538,-71.38560956843898 | |
| PUBLIC WATER SYSTEM: Wagon Wheel Tenants Cooperative | PWS #: 1393050 |
| ENVIRONMENTAL REVIEW POINT OF CONTACT: Christopher Albert | |
| ORGANIZATION: CSA Environmental Consultants | |
| EMAIL ADDRESS: calbert.env@gmail.com | |

| PROJECT LOCATION(S) | | | | |
|---------------------|-------------|------------|---------|---------|
| ADDRESS | TOWN | COUNTY | TAX MAP | TAX LOT |
| 2 Stonehenge Road | LONDONDERRY | Rockingham | 12 | 117 |

INTRODUCTION

The Wagon Wheel Cooperative has applied for funds through the State of New Hampshire Department of Environmental Services (NHDES) PFAS Remediation Loan Fund (PFAS-RLF) to finance a water infrastructure improvements project.

This document fulfills the requirements relative to providing information on the environmental review required by Env-Dw 1400.

PROJECT BACKGROUND

The Wagon Wheel Cooperative is located at the corner of Mammoth and Stonehenge Roads in Londonderry, New Hampshire. The property contains approximately 6.9 acres with four roads that have access off Stonehenge Road. The public water system (PWS 1393050) was created in the late 1960s- early 1970s and serves 88 people with 35 service connections. One bedrock well (BRW #2) is in operation, which yields 10 gallons per minute. Water is pumped to the well house building and treated for uranium before entering a 4,000-gallon atmospheric tank. A calcite tank was installed in 2019 for corrosion control. Two 5 horsepower (HP) booster pumps distribute water to the system. The Cooperative purchased the mobile home park on October 24, 2001. The park is serviced by municipal sewer, which was constructed sometime after 2003. The previous existing leachfields were abandoned in place.

In 2003 a new well house was constructed. Minor distribution piping was completed in 2003, but the majority of the system is original.

PURPOSE AND NEED

The current water supply well is in violation of the State Maximum Contaminant Level (MCL) for Perfluorooctanoic Acid (PFOA). The proposed project will allow Wagon Wheel Cooperative to interconnect to a municipal water supply, thus

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eliminating the violations currently imposed on the system. It will also prevent the system from having to pay significant treatment and operation and maintenance costs.

The Cooperative received a Letter of Deficiency (LOD) dated April 15, 2022 for the exceedance of the PFOA MCL for the running annual average (RAA) over the past four quarters. The LOD is requesting the corrective action plan for the MCL violation.

ALTERNATIVES

A Consultants Report prepared by CSA Environmental Consultants was completed in July of 2022 and outlined the potential costs to remediate the Per- and Polyfluoroalkyl Substances (PFAS) contamination. This included installation of an activated carbon PFAS treatment system at the existing pump house or interconnecting to the nearby Pennichuck East Utility/Londonderry (Pennichuck) via Stonehenge Road.

Long-term operation and maintenance costs of a PFAS treatment system would be more expensive than an interconnection to municipal water. It would not address the long-term cost associated with the eventual need to replace the pump house or storage tank.

The existing water main for Pennichuck runs along Stonehenge Road and the northly property line. Pennichuck performs required PFAS monitoring and if, in the future, PFAS is found in the water supply, is responsible for treatment and ongoing maintenance. Interconnecting to a municipal water supply would provide clean drinking water to the community.

Interconnection was determined to be the best course of action.

PROJECT DETAILS

The proposed project includes a waterline extension and interconnection to Pennichuck via the existing water main on Stonehenge Road. A meter pit will be installed at the proposed tie-in and 613 linear feet of 4-inch high density polyethylene (HDPE) watermain and 877 linear feet of 2-inch HDPE watermain will connect 35 new service connections with curb stops. The proposed path for the water line and service connections will run through existing roadways as well as through mostly establish yards. Minimal tree cutting is planned. There is a potential for encountering abandoned residential septic systems as part of the work.

The proposed project includes decommissioning the current well house and atmospheric tank by removing the existing mechanical piping and treatment equipment and filling the tank with flowable concrete fill. The well house structure is to remain for storage.

Abandonment of the current producing bedrock well, as well as two inactive wells on site, is also proposed.

Permanent Disturbance: 0.00 square feet (sq. ft.)

Temporary Disturbance: 16,250.00 sq. ft.

Total Disturbance: 16,250.00 sq. ft.

FUNDING PLAN

The Wagon Wheel Cooperative voted to authorize funding in the amount of \$574,757 for this project on 3/7/2024.

The estimated cost of the overall project is \$574,757. The funding plan for this project is outlined below.

| PROJECT SCHEDULE | |
|---|----------------|
| Project Milestone | Projected Date |
| Anticipated Bid Solicitation Date or Request for Quote Date | 11/27/2023 |
| Anticipated Bid Opening Date | 12/18/2023 |
| Anticipated Construction Start Date (includes site preparation or clearing) | 05/20/2024 |
| Anticipated Construction Completion Date | 11/18/2024 |

| Funding Source | Loan Amount | Grant Amount | Loan/Grant Number |
|---------------------------------------|-------------|--------------|-------------------|
| PFAS Remediation Loan Fund (PFAS-RLF) | \$0 | \$574,757 | PRLF-27 |

ENVIRONMENTAL CONCERNS & MITIGATION

The following sections evaluate the potential environmental and socio-economic impacts that may result from the proposed project and identify all existing or anticipated environmental permits related to the project.

AIR RESOURCES

Describe any anticipated air quality related impacts and proposed mitigation efforts.

Work entails linear trench excavation. Typical excavation equipment will be used with no air impacts. Water can be used for dust control.

Does the project include the addition or replacement of a fuel burning device, stationary engine, and/or internal combustion engine (e.g. boiler, generator, water pump engine, space heater)? No

Does the project include any demolition?

Yes

Note that the NHDES Air Resource Division (ARD) must be notified of all demolitions at least 10 working days prior to the demolition, whether asbestos-containing materials have been identified or not. For renovations, depending on the type and amount(s) of asbestos-containing material (ACM), generally NHDES ARD must be notified at least 10 working days prior to the removal, abatement, or disturbance of any ACM and the work must be done following the requirements in Env-A 1800. These rules also include specific requirements for the packaging and disposal of the ACM. By checking this box, I affirm that I have read the above statement and acknowledge the project must be in compliance with the requirements specified in Env-A 1800.

Yes

Does the project include any renovation which includes any structures, siding, roofing, heating systems, piping or ductwork, insulation, or utility infrastructure, including but not limited to transite pipe, electrical line, water line, sewer line or storage tanks?

Yes

Have the affected portions of the project been inspected by an asbestos inspector? Note that the NHDES Air Resource Division (ARD) must be notified of all demolitions at least 10 days prior to the demolition, whether asbestos-containing materials have been identified or not. For renovations, depending on the type and amount(s) of asbestos-containing material (ACM), generally NHDES ARD must be notified at least 10 days prior to the removal, abatement, or disturbance of any ACM and the work must be done following the requirements in Env-A 1800. These rules also include specific requirements for the packaging and disposal of the ACM.

Yes

Will the project and/or construction generate any toxic air pollutants or fugitive dust?

Yes

Describe any Best Management Practices that will be implemented to avoid and minimize air impacts.

Fugitive Dust will be mitigated with the use of water. The amount of exposed soil will be limited, and stockpile areas will be mulched or removed from the site.

Air Resources Division Review (the following section completed by NHDES staff)

Will the ambient air quality remain within national ambient air quality standards as a direct result of the implementation of the project?

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|--|
| Answer (Yes, No, N/A): Yes |
| Reviewer: Thomas Guertin, 3/29/24 |
| Comments: There are no activities described that will impact ambient air quality standards. If the project includes the addition or replacement of a fuel burning device such as a boiler or internal combustion engine (i.e. generator or water pump engine) then permitting thresholds will require consideration. |

Will the siting, construction, and operation of the project be consistent with applicable State statutes and/or regulations concerning: regulated toxic air pollutants, fugitive dust, and/or opacity?

| |
|---|
| Answer (Yes, No, N/A): Yes |
| Reviewer: Thomas Guertin, 3/29/24 |
| Comments: The designation of "Yes" assumes that best management practices are used to control dust from construction equipment and vehicular movement in the construction zone. |

Will the project meet national emission standards for hazardous air pollutants?

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|---|
| Answer (Yes, No, N/A): Yes |
| Reviewer: Thomas Guertin, 3/29/24 |
| Comments: None of the activities described have the potential to emit any hazardous air pollutants. |

Will the project be in compliance with the requirements specified in Env-A 1800 Asbestos Management and Control?

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|---|
| Answer (Yes, No, N/A): Yes |
| Reviewer: Ray Walters, 04/15/24 |
| Comments: NHDES has reviewed the asbestos inspection report by All Demolition and Asbestos Services, LLC which indicates no asbestos was found in the samples taken from accessible areas of the project. If any potential Asbestos Containing Material (ACM) is identified after the project has begun from areas that were not accessible during the inspection, then there may be additional notification requirements and procedures to be followed for the removal, packaging, and disposal of any ACM, following the applicable procedures in Env-A 1800. |

ALTERATION OF TERRAIN

Does the project include any of the following earth moving activities as defined in Env-Wq 1502.19 (filling, grading, dredging, mining, excavation, construction, topsoil removal, stump removal, stockpiling earth material, or any other activity that results in a change to the pre-existing conditions and/or contours)?

Yes

Does the project include a temporary or permanent disturbance of 100,000 square feet of terrain, or 50,000 square feet of terrain with any portion of disturbance within the protected shoreland as defined by RSA 483-B?

No

Does the project include the disturbance of an area exceeding the steep slope criteria of Env-Wq 1502.58(b)(1)?

No

Does the project meet the criteria outlined in Env-Wq 1503.03 General Permit by Rule?

No

Alteration of Terrain Program Review (the following section completed by NHDES staff)

Does the project involve earth moving activities, as defined under Env-Wq 1502.19, that would trigger an Alteration of Terrain review?

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|----------------------------------|
| Answer (Yes, No, N/A): Yes |
| Reviewer: Mike Schlosser, 4/2/24 |
| Comments: |

Is the project consistent with all criteria outlined in Env-Wq 1503.03, allowing the project to proceed under the General Permit by Rule (GPBR)?

| |
|----------------------------------|
| Answer (Yes, No, N/A): Yes |
| Reviewer: Mike Schlosser, 4/2/24 |
| Comments: |

If the project is not consistent with all criteria in Env-Wq 1503.03, can the project proceed under the GPBR if a waiver is requested and approved?

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|----------------------------------|
| Answer (Yes, No, N/A): N/A |
| Reviewer: Mike Schlosser, 4/2/24 |
| Comments: |

Will the project require an Alteration of Terrain permit?

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|----------------------------------|
| Answer (Yes, No, N/A): No |
| Reviewer: Mike Schlosser, 4/2/24 |
| Comments: |

COASTAL ZONE MANAGEMENT

Is the project located within any of the municipalities in NH's coastal zone?

No

Coastal Zone Management Review (the following section completed by NHDES staff)

Is the project consistent with the enforceable policies of the NH Coastal Program in accordance with Section 307 of the Coastal Zone Management Act of 1972, as amended? [PL 92-583]

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| Answer (Yes, No, N/A): N/A |
| Reviewer: Chris Williams |
| Comments: Londonderry is located outside New Hampshire's coastal zone. |

CONTAMINATION AND HAZARDOUS WASTE SITES

Is the project located within one-half (1/2) mile of any known environmental contamination sources?

No

Waste Management Division Review (the following section completed by NHDES staff)

Does the WMD anticipate any adverse effects from this project?

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| Answer (Yes, No, N/A): No |
| Reviewer: Meaghan Broderick |
| Comments: WMD does not anticipate any adverse effects from this project. |

Does the Superfund Section anticipate any adverse effects from this project?

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|---|
| Answer (Yes, No, N/A): No |
| Reviewer: Andrew Hoffman |
| Comments: This project is not within proximity of any superfund site. |

Will the project address any active and ongoing violations and/or enforcement actions?

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| Answer (Yes, No, N/A): Yes |
| Reviewer: Meaghan Broderick |
| Comments: Connection to the municipal water supply will address the PFOA MCL violations. |

DESIGNATED RIVERS

Does the project fall within a Designated River Corridor?

No

Rivers Management & Protection Program Review (the following section completed by NHDES staff)

Is the project consistent with the provisions of the Rivers Management and Protection Act and have appropriate advisory committees been notified? [RSA 483]

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| Answer (Yes, No, N/A): N/A |
| Reviewer: Tracie Sales, 3/29/2024 |
| Comments: The proposed project to connect the Wagon Wheel Coop to Pennichuck will not impact any state designated river. |

Will the project avoid adversely affecting any rivers designated, or which are being considered for designation, under the federal Wild & Scenic Rivers Act? [PL 90-542]

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| Answer (Yes, No, N/A): N/A |
| Reviewer: Tracie Sales, 3/29/2027 |
| Comments: The proposed project to connect the Wagon Wheel Coop to Pennichuck will not impact any federally designated Wild & Scenic river. |

DRINKING WATER AND GROUNDWATER

Does the project include the siting, rehabilitation, hydrofracking, or permitting of one of the following: a community water supply well OR a non-community, non- transient water supply well for a non-profit entity?

No

Will the project result in any wastewater discharge (including treatment backwash) onto or into the ground?

No

Have adequate measures been taken to ensure that activities associated with this project will not lead to the discharge of potential contamination to the ground and comply with rule Env-Wq 401 regarding Best Management Practices for Groundwater Protection?

Yes

Drinking Water and Groundwater Bureau Review (*the following section completed by NHDES staff*)

Does the DWGB anticipate any adverse effects from this project on groundwater resources (e.g. bedrock/overburden aquifers, private water supplies, or public water supplies/systems)?

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| Answer (Yes, No, N/A): No |
| Reviewer: Andrew Koff 4/4/2024 |
| Comments: NHDES is supportive of the decommissioning of any bedrock well onsite, including the two inactive and one active well that serves the system due to PFAS contamination. That work shall be performed by NH licensed water well contractor. |

Does the project require registration or permitting from the Underground Injection Control and/or Groundwater Discharge programs? [Env-Dw 404; Env-Dw 402]

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|--------------------------------|
| Answer (Yes, No, N/A): No |
| Reviewer: Andrew Koff 4/4/2024 |
| Comments: |

Have adequate measures been taken to ensure that activities associated with this project will not lead to the discharge of potential contamination to the ground, and comply with rule Env-Wq 401 regarding Best Management Practices for Groundwater Protection?

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| Answer (Yes, No, N/A): Yes |
| Reviewer: Andrew Koff 4/4/2024 |
| Comments: |

Is the project consistent with the Sole Source Aquifers program? [SDWA 1421(e)]

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| Answer (Yes, No, N/A): N/A |
| Reviewer: Andrew Koff 4/4/2024 |
| Comments: |

Will the project address any active and ongoing violations and/or enforcement actions?

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|---|
| Answer (Yes, No, N/A): Yes |
| Reviewer: Eric Skoglund; March 29, 2024 |
| Comments: On April 15, 2022, NHDES issued Letter of Deficiency #DWGB 22-057 to the Wagon Wheel in response to the PFOA maximum contaminant level violations. This project should resolve the open and ongoing violations. |

FARMLAND PROTECTION POLICY ACT

Does the project involve acquisition of undeveloped land, conversion of undeveloped land, new construction, or site clearance?

No

Will the project impact prime farmland, unique farmland, and/or land of statewide or local importance?

Yes

Environmental Review Coordinator Review (the following section completed by NHDES staff)

Will the project avoid adversely affecting significant amounts of prime agricultural land or agricultural operations on this land? [Farmland Protection Policy Act]

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| Answer (Yes, No, N/A): N/A |
| Reviewer: NRCS Farmland Conversion Impact Assessment |
| Comments: All work will occur within a US Census designated "Urban Area" and therefore the project is exempt (CFR 523.10,b(ii)). |

FLOODPLAIN MANAGEMENT

Is the project located within, or will it have an impact on, a 100-year floodplain (Zone A) or Coastal High Hazard zone (Zone V) as identified by FEMA?

No

Environmental Review Coordinator Review (the following section completed by NHDES staff)

Is the project consistent with Executive Order 14030 (Federal Flood Risk Management Standard [FFRMS]) regarding construction on floodplains?

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|---|
| Answer (Yes, No, N/A): N/A |
| Reviewer: FEMA Federal Flood Risk Management Standard consultation |
| Comments: The project impact area is not located in a flood hazard zone (see attached FEMA FIRMette map). |

HISTORICAL, CULTURAL, AND RECREATIONAL RESOURCES

Has a Request for Project Review (RPR) been submitted to the NH Division of Historical Resources (NHDHR) for the entire project scope?

Yes

Will the project result in changes to historical resources (including archaeological resources, cultural resources, or historic properties)?

No

Does the project require work on, or demolition of, any historic buildings (greater than 45 years old), structures (bridges, walls, culverts, etc.), districts, and/or landscapes?

Yes

Provide the age of the resource(s) to be impacted.

Water system and well pump house constructed mid-1960s.

Is the project located within, or directly adjacent to, a historic district?

No

Is the project scope limited to the repair, replacement, or installation of infrastructure piping, equipment, and/or appurtenances where all work will occur within an existing building footprint, utility trenches, road surfaces?

No

Does the project involve ground disturbing activity? Describe current and previous land use and disturbances.

Yes - The existing site is a manufactured home park, linear earth excavation inside the Park to install new watermains and services. The work will take place in existing yards and previously disturbed areas.

Will construction activities occur within 25 feet of a cemetery?

No

Environmental Review Coordinator Review (the following section completed by NHDES staff)

Will the project comply with Executive Order 11593 – Protection and Enhancement of the Cultural Environment?

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| Answer (Yes, No, N/A): Yes |
| Reviewer: Division of Historical Resources: RPR #15951 |
| Comments: The Division of Historical Resources (DHR) reviewed the project scope (RPR 15951). DHR recommends a finding of No Historic Properties Affected. Should the scope of the project change, additional review by DHR will be required. |

Will the project comply with sections 106 and 110 of the National Historic Preservation Act?

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| Answer (Yes, No, N/A): Yes |
| Reviewer: Division of Historical Resources: RPR #15951 |
| Comments: The Division of Historical Resources (DHR) reviewed the project scope (RPR 15951). DHR recommends a finding of No Historic Properties Affected. Should the scope of the project change, additional review by DHR will be required. |

Will the project avoid significant adverse effects on parklands or other public lands, or areas of recognized scenic or recreational value?

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| Answer (Yes, No, N/A): Yes |
| Reviewer: Division of Historical Resources: RPR #15951 |
| Comments: The Division of Historical Resources (DHR) reviewed the project scope (RPR 15951). DHR recommends a finding of No Historic Properties Affected. Should the scope of the project change, additional review by DHR will be required. |

INTERGOVERNMENTAL REVIEW

Has a request for intergovernmental review been submitted to the NH Office of Strategic Initiatives for the entire project scope?

Yes

Have the results been received?

Yes

Environmental Review Coordinator Review (the following section completed by NHDES staff)

Has the Intergovernmental Review Process been completed and have all comments been adequately addressed? [NH EO 83-10]?

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| Answer (Yes, No, N/A): Yes |
| Reviewer: Department of Energy |
| Comments: SAI# NH24.069 – Intergovernmental Review Completed April 22, 2024. No comment. |

NOISE

Will the project result in increased noise sources, or impact noise-sensitive areas (e.g. residential areas, schools, libraries)? Please consider both permanent and temporary impacts.

Yes

Describe any anticipated noise impacts that will occur as a result of the project (both temporary and permanent).

Temporary noise impacts related to construction will occur. No permanent noise impacts are anticipated.

PLANTS AND WILDLIFE

Has an NHB Datacheck/IPAC/NOAA been submitted?

Submitted?: Yes NHB Reference Number: 23-2945

Will the project occur entirely within a developed area (an area that is already paved or supports structures) and the only vegetation is limited to frequently mowed grass or conventional landscaping?

No

Will the project involve the removal of trees and/or vegetation?

Yes

Please characterize the vegetation to be removed:

Other: one to trees to be removed inside developed areas

Please quantify the vegetation to be removed in acreage (ONE acre is 43,560 square feet):

0.01 ac.

Timing of Activity (what month(s) vegetation removal will occur):

Summer 2024

Have any sensitive plant and/or animal species, exemplary natural communities, and/or natural community systems been identified within the project area in any of the consultations.

Consultation with the Natural Heritage Bureau (NHB) DataCheck (NHB23-2945) identified the following species in the vicinity of the project area. All are afforded protections either under RSA 212-A or NH Fish and Game Rules: Eastern Box Turtle.

The US Fish and Wildlife Service (USFWS) Section 7 Consultation has identified the following species in the project vicinity: Monarch Butterfly, Northern Long-eared Bat, and Tricolored Bat.

What any or all conservation and/or mitigation measures will be incorporated into the project (including measures that would reduce a significant impact to a less than significant impact, if applicable).

Northern Long-eared Bat

Appropriate conservation measures for the Northern Long-eared Bat can be found through the [Environmental Conservation Online System | Northern Long-eared Bat](#) and the [US Fish and Wildlife Services Interim Voluntary Guidance for the Northern Long-Eared Bat: Forest Habitat Modification](#). USFWS recommends a time of year restriction for cutting the tree during the pup season (no cutting the tree June 1 - August 15). The time of year restriction recommendation also applies to any activities that would cause chronic noise, chronic nighttime light, or chronic/high intensity ground vibrations during the pup season if they occur within 1000 feet of a forested area.

Monarch Butterfly

Voluntary conservation measures for the monarch butterfly can be found through the [Monarch Joint Venture at Who Are You? | The Monarch Joint Venture](#).

Bald and Golden Eagle

Appropriate conservation measures for Bald and Golden Eagles can be found at the following links:

- [USFWS Eagle Management Program](#)
- [Supplemental Information for Migratory Birds and Eagles in IPaC](#)

Migratory Birds

Appropriate conservation measures for migratory birds can be found at the following links:

- [Measures for avoiding and minimizing impacts to birds](#)
- [Incidental Take Beneficial Practices: Transportation](#)
- [Nation-wide conservation measures for birds](#)

New Hampshire Fish and Game completed review of materials submitted for consultation for NHB23-2945 on 10/24/2023 (site plans dated 10/24/2023), prepared by CSA Environmental Consultants. NHFG recommends the conservation measures detailed below:

1. Eastern box turtle (state endangered) occur within the vicinity of the project area. All operators and personnel working on or entering the site shall be made aware of the potential presence of these species and shall be provided flyers that help to identify these species, along with NHFG contact information. **Include attached flyers to plan sheet set.**

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2. Rare species information (e.g. identification, observation and reporting of observations, when to contact NHFG immediately and NHFG contact information) shall be communicated during morning tailgate meetings prior to work commencement during the construction phase of the project. ***Include attached flyers to plan sheet set.***
4. Turtles may be attracted to disturbed ground during nesting season. Turtle nesting season occurs approximately May 15th – June 30th. All turtle species nests are protected by NH laws. If a nest is observed or suspected, operators shall contact Melissa Winters (603-479-1129) or Josh Megyesy (978-578-0802) at NHFG ***immediately*** for further consultation. The nest or suspected nest shall be marked (surrounding roped off or cone buffer deployed) and avoided; this shall be communicated to all personnel onsite. Site activities shall not occur in the area surrounding the nest or suspected nest until further guidance is provided by NHFG.
5. Observations of eastern box turtle ***shall be reported immediately*** to the New Hampshire Fish and Game Department Nongame and Endangered Wildlife Environmental Review Program. Please contact (call or text) Melissa Winters (603-479-1129) or Josh Megyesy (978-578-0802). Please include photograph(s) with text if feasible.
6. All manufactured erosion and sediment control products, with the exception of turf reinforcement mats, utilized for, but not limited to, slope protection, runoff diversion, slope interruption, perimeter control, inlet protection, check dams, and sediment traps shall not contain plastic, or multifilament or monofilament polypropylene netting or mesh with an opening size of greater than 1/8 inches.
7. All observations of threatened or endangered species on the project site shall be reported immediately to the NHFG nongame and endangered wildlife environmental review program by phone at 603-271-2461 and by email at NHFGreview@wildlife.nh.gov, with the email subject line containing the NHB DataCheck tool results letter assigned number, the project name, and the term Wildlife Species Observation.
8. Photographs of the observed species and nearby elements of habitat or areas of land disturbance shall be provided to NHFG in digital format at the above email address for verification, as feasible.
9. In the event a threatened or endangered species is observed on the project site during the term of the permit, the species shall not be disturbed, handled, or harmed in any way prior to consultation with NHFG and implementation of corrective actions recommended by NHFG.
 1. Site operators shall be allowed to relocate wildlife encountered if discovered within the active work zone if in direct harm from project activities. Wildlife shall be relocated in close proximity to the capture location but outside of the work zone and in the direction the individual was heading. NHFG shall be contacted immediately if this action occurs.
10. All construction materials and materials relating to construction shall be removed from the property upon the completion of work.
11. The NHFG, including its employees and authorized agents, shall have access to the property during the term of the permit.

Environmental Review Coordinator Review (the following section completed by NHDES staff)

Will the project comply with State regulations regarding state-listed threatened or endangered species or exemplary communities? [RSA 212-A; RSA 217-A]

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|---|
| Answer (Yes, No, N/A): Yes |
| Reviewer: NHB23-2945, NH Fish and Game (NHFG) |
| Comments: A Natural Heritage Bureau (NHB) DataCheck (NHBX23-2945) was conducted. The NHB DataCheck identified Eastern Box turtle (state endangered), Spotted turtle (state threatened), and Wood turtle (state species of concern) in |

the vicinity of the project area and required follow-up with New Hampshire Fish and Game (NHFG). See the conservation/mitigation section above for best practices to avoid impacts to plant and wildlife species.

Will the project comply with the Endangered Species Act of 1973? [PL 93-05]

Answer (Yes, No, N/A): Yes

Reviewer: US Fish and Wildlife Service (IPaC), NHB23-2945, NH Fish and Game (NHFG)

Comments: Based on the US Fish and Wildlife Service IPaC submission, the proposed cation will affect an area where Northern Long-Eared Bats (NLEB) occur. The Service has developed interim voluntary guidance for non-federal actions involving forest habitat modification that may affect the northern long-eared bat. See the conservation/mitigation section above for best practices to avoid impacts.

USFWS recommends that project proponents reevaluate the project in IPaC if: 1) the scope, timing, duration, or location of the project changes (includes any project changes or amendments); 2) new information reveals the project may impact (positively or negatively) federally listed species or designated critical habitat; or 3) a new species is listed, or critical habitat designated. If any of the above conditions occurs, additional coordination with USFWS should take place to ensure compliance with the Endangered Species Act of 1973.

Will the project comply with the Bald and Golden Eagle Protection Act?

Answer (Yes, No, N/A): Yes

Reviewer: US Fish and Wildlife Service (IPaC)

Comments: The Bald Eagle may occur in the vicinity of the project. Wherever possible, schedule earth clearing outside the window of when Bald Eagles are present to avoid possible impacts.

Will the project comply with the Migratory Bird Treaty Act of 1918?

Answer (Yes, No, N/A): Yes

Reviewer: US Fish and Wildlife Service (IPaC)

Comments: Several migratory bird species may occur in the vicinity of the project area including: Bald Eagle, Chimney Swift, Eastern Whip-poor-will, Scarlet Tanager, and Wood Thrush. Wherever possible, schedule earth moving activities outside the window of when these species may be present to avoid impacts to migratory birds.

If any waterbodies will be impounded, diverted, controlled, or modified then will the project comply with the Fish and Wildlife Coordination Act?

Answer (Yes, No, N/A): N/A

Reviewer: Kathryn Moran

Comments: No waterbodies will be impounded as part of this project.

SHORELAND

Will any portion of the project occur within 250 feet of public waters?

No

Shoreland Program Review (the following section completed by NHDES staff)

The project appears to require review and permitting by the Shoreland Protection Program. [RSA 483-B]

Answer (Yes, No, N/A): No

Reviewer: D. Forst

Comments:

Will the project address any active and ongoing violations and/or enforcement actions?

Answer (Yes, No, N/A): No

Reviewer: D. Forst

Comments:

SOCIAL AND ECONOMIC

Will the project serve a disadvantaged community or result in any impacts on disadvantaged residential areas?

Yes

Environmental Review Coordinator Review (the following section completed by NHDES staff)

Will the siting avoid having a significant adverse effect on an existing residential area in accordance with Executive Order 12898 regarding Environmental Justice?

Answer (Yes, No, N/A): Yes

Reviewer: Kathryn Moran

Comments: The social and economic impacts from the project are expected to be favorable as it addresses known contamination and will provide citizens with a clean, potable water source.

WASTEWATER – RESIDUALS MANAGEMENT

Does the proposed project include any construction that may encounter wastewater or wastewater treatment facility (WWTF) sludge/biosolids? Not applicable for Wastewater projects.

No

Does the drinking water system contain a drinking water treatment facility (D WTF)?

No

Does the proposed project include any construction that may encounter drinking water treatment facility sludge?

No

Wastewater – Residuals Management Review (the following section completed by NHDES staff)

Is the project consistent with EPA’s most recent version of Standards for the Use and Disposal of Sewage Sludge? [40 CFR 503]

| |
|--------------------------------|
| Answer: N/A |
| Reviewer: Patricia Chesebrough |
| Comments: None |

Is the project consistent with EPA’s 1996 handbook “Technology Transfer Handbook: Management of Water Treatment Plant Residuals”?

| |
|--------------------------------|
| Answer: N/A |
| Reviewer: Patricia Chesebrough |
| Comments: None |

Is the project consistent with the current State regulations regarding sludge disposal? [Env-Wq 800]

| |
|--------------------------------|
| Answer: N/A |
| Reviewer: Patricia Chesebrough |
| Comments: None |

All septage encountered within existing septic tanks/septage lines, or other structures within the septic system, to be removed (or abandoned), that may be encountered during this project, shall be managed, transported, and disposed of in accordance with NHDES Env-Wq 1600.

All excavated waste materials associated with septic systems that may be encountered during the project, including impacted soils and debris, shall be disposed offsite at a permitted solid waste landfill, or managed onsite in accordance with Env-Sw 810.05. If materials will be disposed onsite, the proposed location must be depicted on the project’s construction plan and specification documents and the contractor and/or funding recipient must confirm the location where the impacted soils will be disposed to ensure compliance with all applicable setback requirements, including but not limited to Env-Dw 305.10.

Should septic systems be encountered, the tank should be removed, crushed in place, or filled with clean fill to mitigate the risk associated with potential future collapse.

WASTEWATER AND STORMWATER PERMITTING

Will the total contiguous land disturbance for this project and any additional phases be one (1) acre or more?

No

Will there be a dewatering discharge to a surface water during construction?

No

Does the project involve the construction or upgrade of a wastewater treatment facility or water treatment facility?

No

Does the project involve the addition, modification, or relocation of a stormwater discharge?

No

Wastewater – Permitting Review (the following section completed by NHDES staff)

Does the project require any State Surface Water Discharge Permits and/or Federal NPDES Permits, including the NPDES Stormwater Permits? [CWA 402; 40 CFR 122.26 (b) et seq.; CWA 402(p)]

| |
|---|
| Answer (Yes, No, N/A): No |
| Reviewer: Hayley Franz 3/29/2024 |
| Comments: Because the project will not result in one acre of land disturbance or a dewatering discharge to a surface water, no Federal NPDES Permits or State Surface Water Discharge Permits are required. |

Is the project subject to the state antidegradation policy? [40 CFR 131.12; Env-Wq 1708]

| |
|--|
| Answer (Yes, No, N/A): No |
| Reviewer: Hayley Franz 3/29/2024 |
| Comments: Because the project will not result in a new or increased discharge to a surface water, the antidegradation policy does not apply. |

Will the project address any active and ongoing violations and/or enforcement actions?

| |
|---------------------------------|
| Answer (Yes, No, N/A): No |
| Reviewer: Teresa Ptak 3/29/2024 |
| Comments: |

WETLAND PROGRAM

Does the project area contain any vernal pools?

No

Are impacts to wetlands and/or streams anticipated as a result of this project?

No

Does the project include stream crossings consisting of repair, replacement, replacement-in-kind, rehabilitation (e.g. slip lining); installation of a culvert, arch, or bridge; or installation of a temporary stream crossing?

No

Will any waterbodies be impounded, diverted, controlled, or modified as part of the project?

No

Wetland Program Review (the following section completed by NHDES staff)

Under the provisions of RSA 482-A the project appears to require review and permitting by the Wetlands Bureau.

| |
|---|
| Answer (Yes, No, N/A): No |
| Reviewer: K. Benedict |
| Comments: No wetland impacts identified for the proposed project. |

Are there any ongoing enforcement actions which will be affected by this project?

| |
|---------------------------|
| Answer (Yes, No, N/A): No |
| Reviewer: K. Benedict |
| Comments: |

Will the project comply with the Magnuson-Stevens Fishery Conservation and Management Act?

| |
|----------------------------|
| Answer (Yes, No, N/A): Yes |
| Reviewer: K. Benedict |
| Comments: |

PUBLIC REVIEW

A public notice will be published by NHDES and the Wagon Wheel Cooperative and public comment period held in accordance with the Env-Dw 1400.

Based on the information outlined above and in accordance with Env-Dw 1400, NHDES has determined that project qualifies for a Finding of No Significant Impact (FONSI).

DRAFT

EnvReview@des.nh.gov
PO Box 95, Concord , NH 03302-0095
www.des.nh.gov

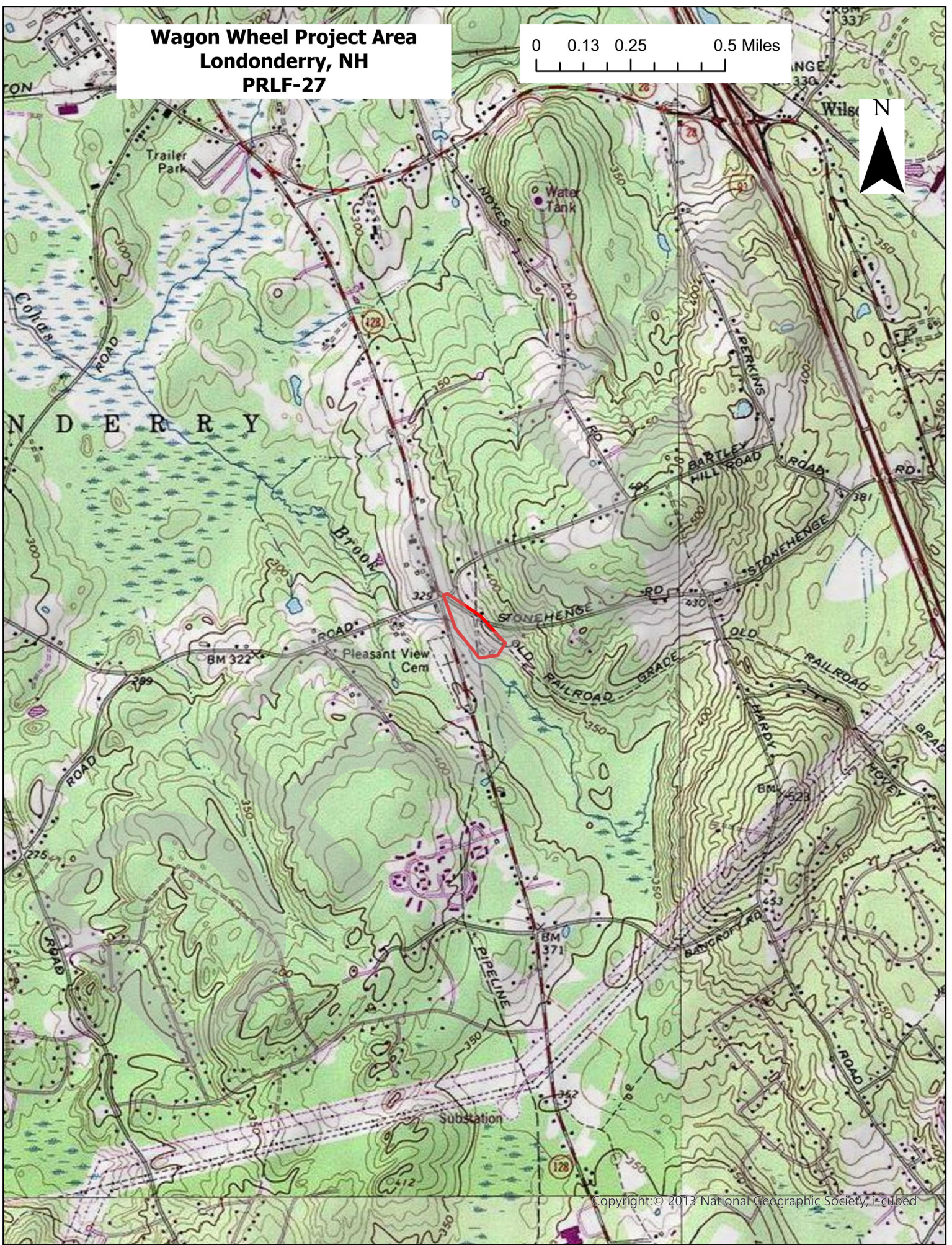
ATTACHMENTS

The following is a project area map and the Federal Emergency Management Agency Flood Hazard Map. A informational NH Fish and Game state endangered flyer for the - Box Turtle is also included.

DRAFT

**Wagon Wheel Project Area
Londonderry, NH
PRLF-27**

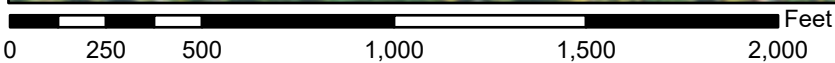
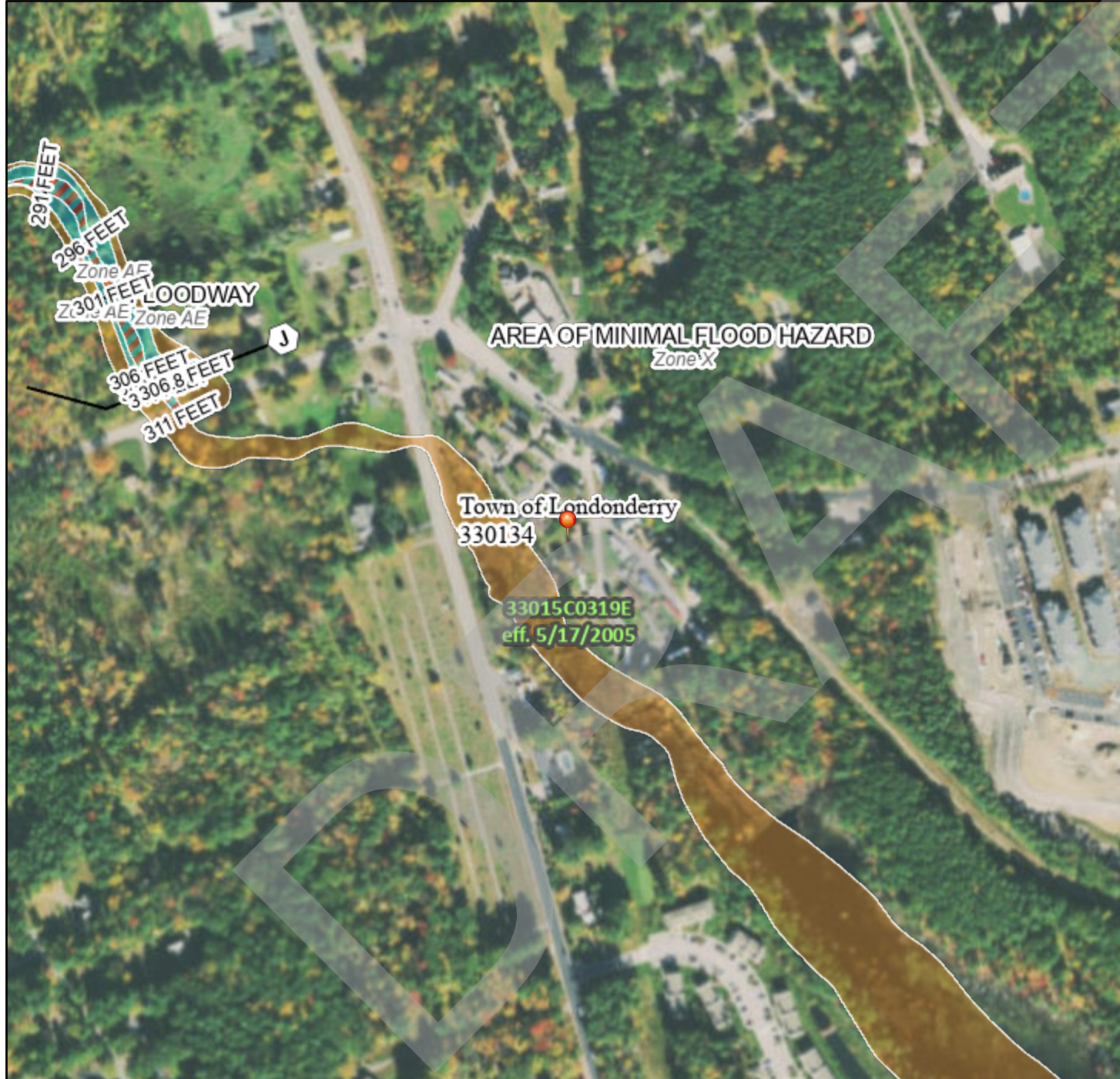
0 0.13 0.25 0.5 Miles



National Flood Hazard Layer FIRMMette



71°23'26"W 42°54'2"N



1:6,000

71°22'49"W 42°53'35"N

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

- | | | |
|------------------------------------|--|--|
| SPECIAL FLOOD HAZARD AREAS | | Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i> |
| | | With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i> |
| | | Regulatory Floodway |
| OTHER AREAS OF FLOOD HAZARD | | 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i> |
| | | Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i> |
| | | Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i> |
| | | Area with Flood Risk due to Levee <i>Zone D</i> |
| OTHER AREAS | | NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i> |
| | | Effective LOMRs |
| GENERAL STRUCTURES | | Area of Undetermined Flood Hazard <i>Zone D</i> |
| | | Channel, Culvert, or Storm Sewer |
| OTHER FEATURES | | Levee, Dike, or Floodwall |
| | | 20.2 Cross Sections with 1% Annual Chance Water Surface Elevation |
| MAP PANELS | | 17.5 |
| | | Coastal Transect |
| OTHER FEATURES | | Base Flood Elevation Line (BFE) |
| | | Limit of Study |
| OTHER FEATURES | | Jurisdiction Boundary |
| | | Coastal Transect Baseline |
| OTHER FEATURES | | Profile Baseline |
| | | Hydrographic Feature |
| MAP PANELS | | Digital Data Available |
| | | No Digital Data Available |
| | | Unmapped |
| | | The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location. |



This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/28/2024 at 3:08 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



REPORT OBSERVATIONS

EASTERN BOX TURTLE (state endangered)

Report sightings immediately to NHFG Wildlife Division to New Hampshire Fish and Game:

Wildlife Biologist Melissa Winters 603-479-1129 (call or text) anytime

Wildlife Biologist Josh Megyesy at 978-578-0802 (call or text), or

If you are unable to reach a biologist you may also contact the Wildlife Administrator at: 603-271-2461 (M-F 8-4)

***Please report promptly, noting specific location and date –
Photographs strongly encouraged***

Turtles may be attracted to disturbed ground during nesting season (May 15th – June 30th)

Turtles are most active from April 15th - October 15th

- Smaller turtle about 4.5-7 inches long (adult ones).
- Highly domed shell with variable patterning.
- Shell color patterns vary greatly from irregular yellow or orange markings with dark brown or black base.
- Skin is uniformly dark with yellow or orange markings.
- During warm months (May – June) nests in loose, sandy or loamy soil
- Eastern box turtles nests are protected under state law.

