

**From:** [Wadiak, Kathleen](#)  
**To:** [Nelson, Kurt L](#); [Sherrie Trefry](#)  
**Cc:** [Winters, Melissa](#); [Andrew Mahoney](#); [Newell, Bradley D](#); [FGC, NHFG review](#); [Erasquin, Richard](#); [Mauck, Ridgely](#)  
**Subject:** NHFG Review NHB22-2179 Eversource Z-180 Line Rebuild Project in Holderness and Campton SPN AoT  
**Date:** Wednesday, October 19, 2022 12:00:29 PM  
**Attachments:** [Z180 NHFG Correspondence Memo updated 10-18-22.pdf](#)  
[Wood Turtle Flyer 2022.pdf](#)  
[image002.png](#)  
[image003.png](#)  
[image004.png](#)  
[image005.png](#)  
[image006.png](#)  
[image007.png](#)  
[image008.png](#)

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Kurt,

NHFG has completed its review of the materials submitted by Eversource 8/16/22 for NHB22-2179. The proposed project is for the replacement of 29 utility structures and OPGW installation in Holderness and Campton.

Permit applications associated with this review:

- NHDES Statutory Permit by Notification
- NHDES Alteration of Terrain Permit

NHFG understands that this project will avoid impacts including matting placement to Durgin Brook, which has the potential to provide overwintering areas for wood turtles, from September 15 to May 15. If this changes, notify NHFG immediately for further coordination.

There is an increased likelihood to encounter wood turtles within 1000ft of the Beebe River and Durgin Brook. All personnel should be made aware of the sensitivity of these areas and should make efforts to minimize impacts.

**Based on the NHB datacheck results letter and the information provided in the submission, we request the following recommended permit conditions be incorporated into the sheet plans as written below (updated highlighted text as applicable) and provided to NHDES and cc NHFG for final review.**

#### New Hampshire Fish and Game Permit Conditions

- BMPs in the document titled "Z180 NHFG Correspondence Memo updated 10-18-22" submitted to NHFG 10/18/22 (attached) shall be adhered to at all times during this project.
- Wood turtles (state species of special concern) 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 this species and shall be provided flyers that help to identify this species, along with NHFG contact information. See Plan Sheet [xxxxxx](#) *Include attached flyers to plan sheet set.*
- Turtles may be attracted to disturbed ground during nesting season. Wood turtle nesting season occurs approximately May 15<sup>th</sup> – July 15<sup>th</sup>. Nesting areas may include work pads and access roads that are not hard pack gravel and other sandy/gravel work areas. All turtle species nests are protected by NH laws. Be aware of the potential to encounter nesting wildlife in these areas.
- If a turtle nest is observed or suspected, or a turtle is exhibiting nesting behaviors, operators shall contact Melissa Winters (603-479-1129) or Josh Megyesy (978-578-0802) at NHFG immediately for further consultation. Turtle nests or turtles exhibiting nesting behavior shall not be disturbed.
- For structures within 1000ft of the Beebe River and Durgin Brook with work occurring May 15<sup>th</sup> – July 15<sup>th</sup>, all material shall be staged/placed within pre-established work pads which have been cleared for and isolated from turtle entry, and all work pads around structures shall be cleared and isolated from turtle entry with wildlife exclusion silt fence prior to work. These areas shall be cleared by a qualified biologist or herpetologist.
- Silt fence used for wildlife exclusion should fully enclose the work areas and should be buried to a depth no less than 6-8" and be 18" above grade with ground stakes on the active site side of the fence. Access gates shall be weighed down and lay flat on the ground to prevent wildlife entry. There should be no gaps between the gate and the silt fence or the gate and the ground.
- Any failings in silt fence for wildlife exclusion shall be reported to NHFG immediately.
- Matting shall not be placed at Durgin Brook from September 15<sup>th</sup> to May 15<sup>th</sup>.
- Sweeps of work areas and access routes shall be conducted immediately prior to start of work and equipment movement in order to minimize the potential of animals entering a work area between the sweep and activity.
- All work activities shall be restricted to the defined roads, construction areas, and staging areas, with no equipment or materials staged or stored outside of the defined areas as shown on plan sheets.
- Minimize work pad areas, including matting, to the greatest extent possible.
- 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;
- 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](mailto: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;
- 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;
- 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.
  - Site operators shall be allowed to relocate wildlife encountered if discovered within the active work zone and 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.
- The NHFG, including its employees and authorized agents, shall have access to the property during the term of the permit.

#### Additional Recommendations

The following voluntary conservation measures should be considered for bats:

- Avoid clearing suitable spring staging and fall swarming habitat within a 5-mile radius of known or assumed northern long-eared bat hibernacula during the staging and swarming seasons (April 1 to May 15 and August 15 to November 14, respectively).
- Conduct tree removal activities outside of the northern long-eared bat pup season (June 1 to July 31) and/or the active season (April 1 to October 31). This will minimize impacts to pups at roosts not yet identified.
- Manage forests to ensure a continual supply of snags and other suitable maternity roost trees.

NHFG has completed our review of materials submitted for consultation under FIS 1004. No further coordination with NHFG is requested, and the final recommendations have been transmitted to the applicable permitting agency. Questions or concerns on NHFG recommendations must follow FIS 1004.12. Note that NHFG recommendations may be withdrawn pursuant to FIS 1004.13.

Let me know if you have any questions.

Thank you,  
Kat

Kat Wadiak  
Wildlife Biologist  
Nongame & Endangered Wildlife Program  
NH Fish and Game  
11 Hazen Drive  
Concord, NH 03301  
603-271-3017

As of February 3, 2022, New Hampshire Fish and Game requirements for environmental review consultation have changed. To review the new rules, please go to <https://www.wildlife.state.nh.us/wildlife/environmental-review.html>. All requests for consultation and submittals should be sent via email to [NHFGreview@wildlife.nh.gov](mailto:NHFGreview@wildlife.nh.gov) or can be sent by mail. **The NHB datacheck results letter number needs to be included in the email subject line.**

*The requirements for consultation (Fis 1004) shall not apply to the following: statutory permit by notification, permit by rule, permit by notification, routine roadway registration, docking structure registration, or conditional authorization by rule. Review requests for these projects can be sent directly to [kim.tuttle@wildlife.nh.gov](mailto:kim.tuttle@wildlife.nh.gov).*

---

**From:** Nelson, Kurt I <kurt.nelson@eversource.com>  
**Sent:** Tuesday, October 18, 2022 4:07 PM  
**To:** Wadiak, Kathleen <Kathleen.P.Wadiak@wildlife.nh.gov>; Sherrie Trefry <STrefry@VHB.com>  
**Cc:** Winters, Melissa <Melissa.J.Winters@wildlife.nh.gov>; Andrew Mahoney <amahoney@vhb.com>; Newell, Bradley D <bradley.newell@eversource.com>; FGC: NHFG review <NHFGreview@wildlife.nh.gov>  
**Subject:** RE: [External] RE: NHF&G FIS 1004 Consultation Request for Eversource Z-180 Line Rebuild Project in Holderness and Campton NHB22-2179

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Hi Kat,

Please see the updated correspondence memo.

Thank you.

**Kurt I. Nelson**  
Sr. Land Use Licensing & Permitting Specialist

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---

**From:** Wadiak, Kathleen <Kathleen.P.Wadiak@wildlife.nh.gov>  
**Sent:** Tuesday, October 18, 2022 8:46 AM  
**To:** Nelson, Kurt I <kurt.nelson@eversource.com>; Sherrie Trefry <STrefry@VHB.com>  
**Cc:** Winters, Melissa <Melissa.J.Winters@wildlife.nh.gov>; Andrew Mahoney <amahoney@vhb.com>; Newell, Bradley D <bradley.newell@eversource.com>; FGC: NHFG review <NHFGreview@wildlife.nh.gov>  
**Subject:** RE: [External] RE: NHF&G FIS 1004 Consultation Request for Eversource Z-180 Line Rebuild Project in Holderness and Campton NHB22-2179

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Hi Kurt,

Thanks for making the changes. I think some of my edits were missed. Wood turtle nesting season may extend beyond June 15<sup>th</sup>. It should be considered to be until July 15<sup>th</sup>, and personnel should be made aware of the potential to encounter nesting turtles until then. The point regarding inspecting areas prior to mowing, matting, and/or gravel placement was also left off in the most recent version. Please include this point in addition to my comment about sweeps being conducted immediately prior to work start and equipment movement.

Thanks,  
Kat

---

**From:** Nelson, Kurt I <[kurt.nelson@eversource.com](mailto:kurt.nelson@eversource.com)>  
**Sent:** Friday, October 14, 2022 11:49 AM  
**To:** Wadiak, Kathleen <[Kathleen.P.Wadiak@wildlife.nh.gov](mailto:Kathleen.P.Wadiak@wildlife.nh.gov)>; Sherrie Trefry <[STrefry@VHB.com](mailto:STrefry@VHB.com)>  
**Cc:** Winters, Melissa <[Melissa.J.Winters@wildlife.nh.gov](mailto:Melissa.J.Winters@wildlife.nh.gov)>; Andrew Mahoney <[amahoney@vhb.com](mailto:amahoney@vhb.com)>; Newell, Bradley D <[bradley.newell@eversource.com](mailto:bradley.newell@eversource.com)>; FGC: NHFG review <[NHFGreview@wildlife.nh.gov](mailto:NHFGreview@wildlife.nh.gov)>  
**Subject:** RE: [External] RE: NHF&G FIS 1004 Consultation Request for Eversource Z-180 Line Rebuild Project in Holderness and Campton NHB22-2179

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Hi Kat,

Please see the updated document incorporating NHF&G's comments. I have also standardized the protection measures listed in Sections 7 and 12.

Thank you.

**Kurt I. Nelson**  
Sr. Land Use Licensing & Permitting Specialist

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---

**From:** Wadiak, Kathleen <[Kathleen.P.Wadiak@wildlife.nh.gov](mailto:Kathleen.P.Wadiak@wildlife.nh.gov)>  
**Sent:** Wednesday, October 12, 2022 12:52 PM  
**To:** Nelson, Kurt I <[kurt.nelson@eversource.com](mailto:kurt.nelson@eversource.com)>; Sherrie Trefry <[STrefry@VHB.com](mailto:STrefry@VHB.com)>  
**Cc:** Winters, Melissa <[Melissa.J.Winters@wildlife.nh.gov](mailto:Melissa.J.Winters@wildlife.nh.gov)>; Andrew Mahoney <[amahoney@vhb.com](mailto:amahoney@vhb.com)>; Newell, Bradley D <[bradley.newell@eversource.com](mailto:bradley.newell@eversource.com)>; FGC: NHFG review <[NHFGreview@wildlife.nh.gov](mailto:NHFGreview@wildlife.nh.gov)>  
**Subject:** RE: [External] RE: NHF&G FIS 1004 Consultation Request for Eversource Z-180 Line Rebuild Project in Holderness and Campton NHB22-2179

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Thanks for the clarification. NHFG is finalizing recommendations for the Z-180 structure replacement project. Please make the edits in my comments in the attached document.

Let me know if you have any questions or concerns.

Thanks,  
Kat

---

**From:** Nelson, Kurt I <[kurt.nelson@eversource.com](mailto:kurt.nelson@eversource.com)>  
**Sent:** Thursday, September 29, 2022 4:12 PM  
**To:** Sherrie Trefry <[STrefry@VHB.com](mailto:STrefry@VHB.com)>; Wadiak, Kathleen <[Kathleen.P.Wadiak@wildlife.nh.gov](mailto:Kathleen.P.Wadiak@wildlife.nh.gov)>  
**Cc:** Winters, Melissa <[Melissa.J.Winters@wildlife.nh.gov](mailto:Melissa.J.Winters@wildlife.nh.gov)>; Andrew Mahoney <[amahoney@vhb.com](mailto:amahoney@vhb.com)>; Newell, Bradley D <[bradley.newell@eversource.com](mailto:bradley.newell@eversource.com)>; FGC: NHFG review <[NHFGreview@wildlife.nh.gov](mailto:NHFGreview@wildlife.nh.gov)>  
**Subject:** RE: [External] RE: NHF&G FIS 1004 Consultation Request for Eversource Z-180 Line Rebuild Project in Holderness and Campton NHB22-2179

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Hi Kat,

Sorry again for the confusion. For additional information –

Please note that starting at the Huckins Hill Substation, we have updated the structure numbering to start at "1" vs "284" as is currently the case. The old structure numbers are provided on the updated plan set for reference.

There are currently a total of 38 existing transmission structures on the Z-180 circuit – 9 of which are steel. On the latest revision, it was determined that one of the steel structure (294/11) also needs replacement due to design requirements.

So in summary:

- 28 wood structures will be replaced
- 1 wood structure (301) will be removed entirely; and
- 1 steel structure (294/11) will be replaced.

Thanks

**Kurt I. Nelson**  
Sr. Land Use Licensing & Permitting Specialist

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---

**From:** Sherrie Trefry <[STrefry@VHB.com](mailto:STrefry@VHB.com)>

**Sent:** Thursday, September 29, 2022 3:53 PM

**To:** Wadiak, Kathleen <[Kathleen.P.Wadiak@wildlife.nh.gov](mailto:Kathleen.P.Wadiak@wildlife.nh.gov)>; Nelson, Kurt I <[kurt.nelson@eversource.com](mailto:kurt.nelson@eversource.com)>

**Cc:** Winters, Melissa <[Melissa.J.Winters@wildlife.nh.gov](mailto:Melissa.J.Winters@wildlife.nh.gov)>; Andrew Mahoney <[amahoney@vhb.com](mailto:amahoney@vhb.com)>; Newell, Bradley D <[bradley.newell@eversource.com](mailto:bradley.newell@eversource.com)>; FGC: NHFG review <[NHFGreview@wildlife.nh.gov](mailto:NHFGreview@wildlife.nh.gov)>

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Good afternoon Kat,

I think I can be of assistance. The plan set dated 9/28 is the approved project plan with revisions from the latest site walk. There are 29 remaining wood pole structures to be replaced as originally stated. The poles with smaller work pads have previously been replaced as part of Eversource's Asset Condition Refurbishment (ACP) program and will only be accessed to change out the conductor and shield wire as part of the proposed complete rebuild of the Z80 line.

In addition, existing Structure 301 is being removed and the entire line is being renumbered during the rebuild (as indicated by the red numbers).

In the Z180 Folder, the Z180 NHFG Correspondence Package was the original submittal before the plans were revised. I will remove that document from the folder to eliminate any confusion.

Thanks, Sherrie

**Sherrie Trefry, CSS**  
Energy Market Leader

P 603.391.3951

[www.vhb.com](http://www.vhb.com)

---

**From:** Wadiak, Kathleen <[Kathleen.P.Wadiak@wildlife.nh.gov](mailto:Kathleen.P.Wadiak@wildlife.nh.gov)>

**Sent:** Thursday, September 29, 2022 2:58 PM

**To:** Kurt I. Nelson <[kurt.nelson@eversource.com](mailto:kurt.nelson@eversource.com)>

**Cc:** Winters, Melissa <[Melissa.J.Winters@wildlife.nh.gov](mailto:Melissa.J.Winters@wildlife.nh.gov)>; Sherrie Trefry <[STrefry@VHB.com](mailto:STrefry@VHB.com)>; Andrew Mahoney <[amahoney@vhb.com](mailto:amahoney@vhb.com)>; Newell, Bradley D <[bradley.newell@eversource.com](mailto:bradley.newell@eversource.com)>; FGC: NHFG review <[NHFGreview@wildlife.nh.gov](mailto:NHFGreview@wildlife.nh.gov)>

**Subject:** [External] RE: NHF&G FIS 1004 Consultation Request for Eversource Z-180 Line Rebuild Project in Holderness and Campton NHB22-2179

Hi Kurt,

The original submission stated that 29 structures were being replaced, but the latest packet stated that 39 were being replaced. The sets of plan sheets in the latest submission also don't match each other. How many structures are proposed to be replaced as part of this project? Please confirm which plan set is the correct and most up-to-date version so we can continue review.

Thanks,  
Kat

---

**From:** Nelson, Kurt I <[kurt.nelson@eversource.com](mailto:kurt.nelson@eversource.com)>  
**Sent:** Thursday, September 29, 2022 9:49 AM  
**To:** Wadiak, Kathleen <[Kathleen.P.Wadiak@wildlife.nh.gov](mailto:Kathleen.P.Wadiak@wildlife.nh.gov)>  
**Cc:** Winters, Melissa <[Melissa.J.Winters@wildlife.nh.gov](mailto:Melissa.J.Winters@wildlife.nh.gov)>; Sherrie Trefry <[STrefry@VHB.com](mailto:STrefry@VHB.com)>; Andrew Mahoney <[amahoney@vhb.com](mailto:amahoney@vhb.com)>; Newell, Bradley D <[bradley.newell@eversource.com](mailto:bradley.newell@eversource.com)>; FGC: NHFG review <[NHFGreview@wildlife.nh.gov](mailto:NHFGreview@wildlife.nh.gov)>  
**Subject:** RE: NHF&G FIS 1004 Consultation Request for Eversource Z-180 Line Rebuild Project in Holderness and Campton NHB22-2179

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Hi Kat,

Yes there have been some modifications to access routes, work pads and pull pad locations.

**Kurt I. Nelson**  
Sr. Land Use Licensing & Permitting Specialist

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---

**From:** Wadiak, Kathleen <[Kathleen.P.Wadiak@wildlife.nh.gov](mailto:Kathleen.P.Wadiak@wildlife.nh.gov)>  
**Sent:** Wednesday, September 28, 2022 3:23 PM  
**To:** Nelson, Kurt I <[kurt.nelson@eversource.com](mailto:kurt.nelson@eversource.com)>  
**Cc:** Winters, Melissa <[Melissa.J.Winters@wildlife.nh.gov](mailto:Melissa.J.Winters@wildlife.nh.gov)>; Sherrie Trefry <[STrefry@VHB.com](mailto:STrefry@VHB.com)>; Andrew Mahoney <[amahoney@vhb.com](mailto:amahoney@vhb.com)>; Newell, Bradley D <[bradley.newell@eversource.com](mailto:bradley.newell@eversource.com)>; FGC: NHFG review <[NHFGreview@wildlife.nh.gov](mailto:NHFGreview@wildlife.nh.gov)>  
**Subject:** RE: NHF&G FIS 1004 Consultation Request for Eversource Z-180 Line Rebuild Project in Holderness and Campton NHB22-2179

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Thanks, Kurt. I'll review this new information. Do the updated plan sheets include the changes to access route and work pad locations that you mentioned in your 8/31 email?

Kat

---

**From:** Nelson, Kurt I <[kurt.nelson@eversource.com](mailto:kurt.nelson@eversource.com)>  
**Sent:** Wednesday, September 28, 2022 1:56 PM  
**To:** Wadiak, Kathleen <[Kathleen.P.Wadiak@wildlife.nh.gov](mailto:Kathleen.P.Wadiak@wildlife.nh.gov)>  
**Cc:** Winters, Melissa <[Melissa.J.Winters@wildlife.nh.gov](mailto:Melissa.J.Winters@wildlife.nh.gov)>; Sherrie Trefry <[STrefry@VHB.com](mailto:STrefry@VHB.com)>; Andrew Mahoney <[amahoney@vhb.com](mailto:amahoney@vhb.com)>; Newell, Bradley D <[bradley.newell@eversource.com](mailto:bradley.newell@eversource.com)>; FGC: NHFG review <[NHFGreview@wildlife.nh.gov](mailto:NHFGreview@wildlife.nh.gov)>  
**Subject:** RE: NHF&G FIS 1004 Consultation Request for Eversource Z-180 Line Rebuild Project in Holderness and Campton NHB22-2179

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Hi Kat,

Here is a link to the updated project maps for the Z-180 line rebuild project.

 [Z180](#)

Also below are some photos of the Durgin Brook crossing:



View facing north of the Durgin Brook – which is bound by the patch of Alders in the background.



An in-stream view of the Durgin Brook facing east.

We have re-assessed our options with ROW access in this area. Despite the challenging grades we will endeavor an in- or off-ROW access route to access the structures south of Durgin Brook as shown on the updated plan set if the project schedule cannot accommodate a time of year requirement to lay matting across Durgin Brook after May 15<sup>th</sup>.

Let me know if you would like to have any further discussion on this topic.

Thanks.

**Kurt I. Nelson**  
Sr. Land Use Licensing & Permitting Specialist

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---

**From:** Wadiak, Kathleen <[Kathleen.P.Wadiak@wildlife.nh.gov](mailto:Kathleen.P.Wadiak@wildlife.nh.gov)>

**Sent:** Thursday, September 1, 2022 3:41 PM

**To:** Nelson, Kurt I <[kurt.nelson@eversource.com](mailto:kurt.nelson@eversource.com)>

**Cc:** Winters, Melissa <[Melissa.J.Winters@wildlife.nh.gov](mailto:Melissa.J.Winters@wildlife.nh.gov)>; Sherrie Trefry <[STrefry@VHB.com](mailto:STrefry@VHB.com)>; Andrew Mahoney <[amahoney@vhb.com](mailto:amahoney@vhb.com)>; Ford, Michelle T <[michelle.ford@eversource.com](mailto:michelle.ford@eversource.com)>; Newell, Bradley D <[bradley.newell@eversource.com](mailto:bradley.newell@eversource.com)>; FGC: NHFG review <[NHFGreview@wildlife.nh.gov](mailto:NHFGreview@wildlife.nh.gov)>; Roy Sheehan <[roy.sheehan@eversource.com](mailto:roy.sheehan@eversource.com)>

**Subject:** RE: NHF&G FIS 1004 Consultation Request for Eversource Z-180 Line Rebuild Project in Holderness and Campton NHB22-2179

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That would be helpful, thanks. We will wait on the updated plan sheets, photos of the Durgin Brook crossing, and information on access alternatives.

Thanks,  
Kat

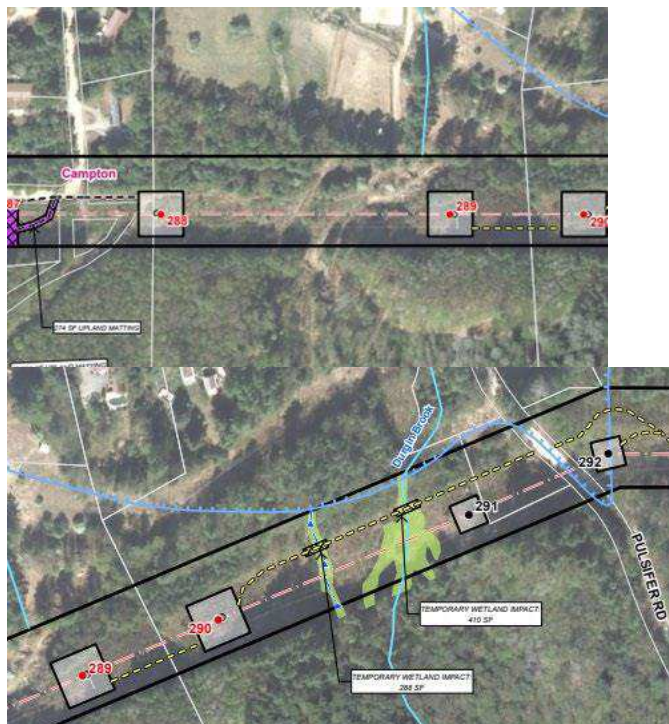
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**From:** Nelson, Kurt I <kurt.nelson@eversource.com>  
**Sent:** Thursday, September 1, 2022 1:14 PM  
**To:** Wadiak, Kathleen <Kathleen.P.Wadiak@wildlife.nh.gov>  
**Cc:** Winters, Melissa <Melissa.J.Winters@wildlife.nh.gov>; Sherrie Trefry <STrefry@VHB.com>; Andrew Mahoney <amahoney@vhb.com>; Ford, Michelle T <michelle.ford@eversource.com>; Newell, Bradley D <bradley.newell@eversource.com>; FGC: NHFG review <NHFGreview@wildlife.nh.gov>; Roy Sheehan <roy.sheehan@eversource.com>  
**Subject:** RE: NHF&G FIS 1004 Consultation Request for Eversource Z-180 Line Rebuild Project in Holderness and Campton NHB22-2179

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Hi Kat,

We will make sure the next iteration of the plan set shows topographical contours. There is an extremely steep slope between Structures 288 and 289 with some excavation on the slope and is the reason we proposed coming from the north off of Pulsifer Road to access Str 289. It appears there maybe an access with a more moderate approach that goes through the wood line on the west side between Str 288 and 289 that leads to Str 290. Not sure if this access is entirely within our Right of Way. If not we would need land owner permission to utilize this alternative access Route. We'll investigate this. We'll also take some photos of the Durgin Brook Crossing area to allow for a better assessment of the habitat characteristics.





**Kurt I. Nelson**  
Sr. Land Use Licensing & Permitting Specialist

**EVERSOURCE**  
ENERGY

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(603) 714-3031 (cell) (603) 634-3256 (office)  
[kurt.nelson@eversource.com](mailto:kurt.nelson@eversource.com)

---

**From:** Wadiak, Kathleen <[Kathleen.P.Wadiak@wildlife.nh.gov](mailto:Kathleen.P.Wadiak@wildlife.nh.gov)>

**Sent:** Thursday, September 1, 2022 11:57 AM

**To:** Nelson, Kurt I <[kurt.nelson@eversource.com](mailto:kurt.nelson@eversource.com)>

**Cc:** Winters, Melissa <[Melissa.J.Winters@wildlife.nh.gov](mailto:Melissa.J.Winters@wildlife.nh.gov)>; Sherrie Trefry <[STrefry@VHB.com](mailto:STrefry@VHB.com)>; Andrew Mahoney <[amahoney@vhb.com](mailto:amahoney@vhb.com)>; Ford, Michelle T <[michelle.ford@eversource.com](mailto:michelle.ford@eversource.com)>; Newell, Bradley D <[bradley.newell@eversource.com](mailto:bradley.newell@eversource.com)>; FGC: NHFG review <[NHFGreview@wildlife.nh.gov](mailto:NHFGreview@wildlife.nh.gov)>

**Subject:** RE: NHF&G FIS 1004 Consultation Request for Eversource Z-180 Line Rebuild Project in Holderness and Campton NHB22-2179

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Ok, thanks. I will wait until you send the updated plans to continue review. If tree clearing is proposed on the northern half of the line, the following voluntary conservation measures should be considered for bats:

- Avoid clearing suitable spring staging and fall swarming habitat within a 5-mile radius of known or assumed northern long-eared bat hibernacula during the staging and swarming seasons (April 1 to May 15 and August 15 to November 14, respectively).
- Conduct tree removal activities outside of the northern long-eared bat pup season (June 1 to July 31) and/or the active season (April 1 to October 31). This will minimize impacts to pups at roosts not yet identified.
- Manage forests to ensure a continual supply of snags and other suitable maternity roost trees.

Can the Durgin Brook crossing be avoided completely by using other access?

Thanks,  
Kat

---

**From:** Nelson, Kurt I <[kurt.nelson@eversource.com](mailto:kurt.nelson@eversource.com)>

**Sent:** Wednesday, August 31, 2022 3:27 PM

**To:** Wadiak, Kathleen <[Kathleen.P.Wadiak@wildlife.nh.gov](mailto:Kathleen.P.Wadiak@wildlife.nh.gov)>

**Cc:** Winters, Melissa <[Melissa.J.Winters@wildlife.nh.gov](mailto:Melissa.J.Winters@wildlife.nh.gov)>; Sherrie Trefry <[STrefry@VHB.com](mailto:STrefry@VHB.com)>; Andrew Mahoney <[amahoney@vhb.com](mailto:amahoney@vhb.com)>; Ford, Michelle T <[michelle.ford@eversource.com](mailto:michelle.ford@eversource.com)>; Newell, Bradley D <[bradley.newell@eversource.com](mailto:bradley.newell@eversource.com)>; FGC: NHFG review <[NHFGreview@wildlife.nh.gov](mailto:NHFGreview@wildlife.nh.gov)>

**Subject:** RE: NHF&G FIS 1004 Consultation Request for Eversource Z-180 Line Rebuild Project in Holderness and Campton NHB22-2179

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Hi Kat,



You are correct in that we will not be traversing the Beebe River/wetland complex area. The target for start of construction is February 2023. Given the location of the Durgin Brook crossing it may be difficult to hold off on access until May 1. If there are alternatives to a Time of Year Restriction at this location, it would be preferable.

FYI – we have recently conducted another field review of the project and have some changes to the access routes and work pad locations. We have also identified a few other areas requiring tree removal/trimming on the ROW edge. I will provide you with an updated plan set once it is available.

**Kurt I. Nelson**  
Sr. Land Use Licensing & Permitting Specialist



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[kurt.nelson@eversource.com](mailto:kurt.nelson@eversource.com)

---

**From:** Wadiak, Kathleen <[Kathleen.P.Wadiak@wildlife.nh.gov](mailto:Kathleen.P.Wadiak@wildlife.nh.gov)>  
**Sent:** Wednesday, August 31, 2022 2:45 PM  
**To:** Nelson, Kurt I <[kurt.nelson@eversource.com](mailto:kurt.nelson@eversource.com)>  
**Cc:** Winters, Melissa <[Melissa.J.Winters@wildlife.nh.gov](mailto:Melissa.J.Winters@wildlife.nh.gov)>; Sherrie Trefry <[STrefry@VHB.com](mailto:STrefry@VHB.com)>; Andrew Mahoney <[amahoney@vhb.com](mailto:amahoney@vhb.com)>; Ford, Michelle T <[michelle.ford@eversource.com](mailto:michelle.ford@eversource.com)>; Newell, Bradley D <[bradley.newell@eversource.com](mailto:bradley.newell@eversource.com)>; FGC: NHFG review <[NHFGreview@wildlife.nh.gov](mailto:NHFGreview@wildlife.nh.gov)>  
**Subject:** RE: NHF&G FIS 1004 Consultation Request for Eversource Z-180 Line Rebuild Project in Holderness and Campton NHB22-2179

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Kurt,

The Beebe River and Durgin Brook within this project area are of particular concern to have potential wood turtle hibernacula. As work is proposed during the winter, matting placement could impact turtles that are wintering in these areas. It doesn't look like there are proposed impacts to the Beebe River; please confirm. There is currently matting proposed in Durgin Brook. Is there a way to avoid this? Can matting be placed prior to September 15<sup>th</sup> or after May 1?

Thanks,  
Kat

---

**From:** Nelson, Kurt I <[kurt.nelson@eversource.com](mailto:kurt.nelson@eversource.com)>  
**Sent:** Wednesday, August 17, 2022 1:46 PM  
**To:** Wadiak, Kathleen <[Kathleen.P.Wadiak@wildlife.nh.gov](mailto:Kathleen.P.Wadiak@wildlife.nh.gov)>  
**Cc:** Winters, Melissa <[Melissa.J.Winters@wildlife.nh.gov](mailto:Melissa.J.Winters@wildlife.nh.gov)>; Sherrie Trefry <[STrefry@VHB.com](mailto:STrefry@VHB.com)>; Andrew Mahoney <[amahoney@vhb.com](mailto:amahoney@vhb.com)>; Ford, Michelle T <[michelle.ford@eversource.com](mailto:michelle.ford@eversource.com)>; Newell, Bradley D <[bradley.newell@eversource.com](mailto:bradley.newell@eversource.com)>; FGC: NHFG review <[NHFGreview@wildlife.nh.gov](mailto:NHFGreview@wildlife.nh.gov)>  
**Subject:** RE: NHF&G FIS 1004 Consultation Request for Eversource Z-180 Line Rebuild Project in Holderness and Campton NHB22-2179

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Got it. Thanks for the feedback, Kat.

**Kurt I. Nelson**  
Sr. Land Use Licensing & Permitting Specialist



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---

**From:** Wadiak, Kathleen <[Kathleen.P.Wadiak@wildlife.nh.gov](mailto:Kathleen.P.Wadiak@wildlife.nh.gov)>  
**Sent:** Wednesday, August 17, 2022 1:36 PM  
**To:** Nelson, Kurt I <[kurt.nelson@eversource.com](mailto:kurt.nelson@eversource.com)>  
**Cc:** Winters, Melissa <[Melissa.J.Winters@wildlife.nh.gov](mailto:Melissa.J.Winters@wildlife.nh.gov)>; Sherrie Trefry <[STrefry@VHB.com](mailto:STrefry@VHB.com)>; Andrew Mahoney <[amahoney@vhb.com](mailto:amahoney@vhb.com)>; Ford, Michelle T <[michelle.ford@eversource.com](mailto:michelle.ford@eversource.com)>; Newell, Bradley D <[bradley.newell@eversource.com](mailto:bradley.newell@eversource.com)>; FGC: NHFG review <[NHFGreview@wildlife.nh.gov](mailto:NHFGreview@wildlife.nh.gov)>  
**Subject:** RE: NHF&G FIS 1004 Consultation Request for Eversource Z-180 Line Rebuild Project in Holderness and Campton NHB22-2179

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Hi Kurt,

Thanks for the information. Please note that the permits listed on the NHB datacheck letter application have an impact on the records that end up getting listed on the final letter. This is why it's particularly important that these are accurate, especially in a case where an AoT is expected. In this case, the results would not change, so we will continue review, but I just wanted to point that out for future consideration. Let me know if you have any questions.

Thanks,  
Kat

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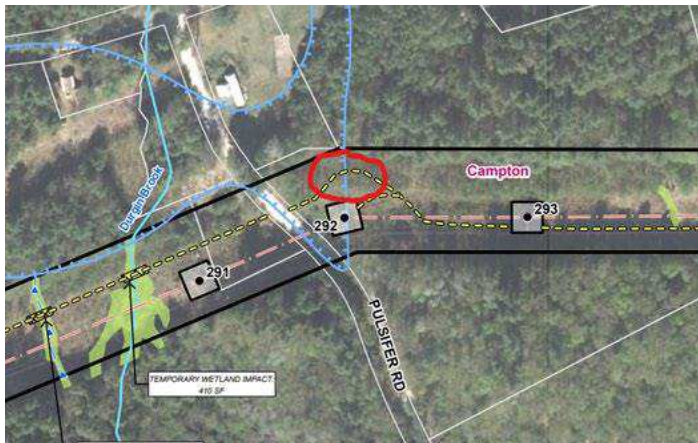
**From:** Nelson, Kurt I <[kurt.nelson@eversource.com](mailto:kurt.nelson@eversource.com)>  
**Sent:** Wednesday, August 17, 2022 1:24 PM  
**To:** Wadiak, Kathleen <[Kathleen.P.Wadiak@wildlife.nh.gov](mailto:Kathleen.P.Wadiak@wildlife.nh.gov)>  
**Cc:** Winters, Melissa <[Melissa.J.Winters@wildlife.nh.gov](mailto:Melissa.J.Winters@wildlife.nh.gov)>; Sherrie Trefry <[STrefry@VHB.com](mailto:STrefry@VHB.com)>; Andrew Mahoney <[amahoney@vhb.com](mailto:amahoney@vhb.com)>; Ford, Michelle T <[michelle.ford@eversource.com](mailto:michelle.ford@eversource.com)>; Newell, Bradley D <[bradley.newell@eversource.com](mailto:bradley.newell@eversource.com)>; FGC: NHFG review <[NHFGreview@wildlife.nh.gov](mailto:NHFGreview@wildlife.nh.gov)>  
**Subject:** RE: NHF&G FIS 1004 Consultation Request for Eversource Z-180 Line Rebuild Project in Holderness and Campton NHB22-2179

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Hi Kat,

Yes, this project will require an AoT permit. There is one area of minor tree clearing (mostly small diameter trees) proposed to facilitate access around an existing angle structure (Str 292) that will have a temporary pole and guy wire installation. The area is shown below.

Thanks



**Kurt I. Nelson**  
Sr. Land Use Licensing & Permitting Specialist

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[kurt.nelson@eversource.com](mailto:kurt.nelson@eversource.com)

---

**From:** Wadiak, Kathleen <[Kathleen.P.Wadiak@wildlife.nh.gov](mailto:Kathleen.P.Wadiak@wildlife.nh.gov)>  
**Sent:** Wednesday, August 17, 2022 12:36 PM  
**To:** Nelson, Kurt I <[kurt.nelson@eversource.com](mailto:kurt.nelson@eversource.com)>  
**Cc:** Winters, Melissa <[Melissa.J.Winters@wildlife.nh.gov](mailto:Melissa.J.Winters@wildlife.nh.gov)>; Sherrie Trefry <[STrefry@VHB.com](mailto:STrefry@VHB.com)>; Andrew Mahoney <[amahoney@vhb.com](mailto:amahoney@vhb.com)>; Ford, Michelle T <[michelle.ford@eversource.com](mailto:michelle.ford@eversource.com)>; Newell, Bradley D <[bradley.newell@eversource.com](mailto:bradley.newell@eversource.com)>; FGC: NHFG review <[NHFGreview@wildlife.nh.gov](mailto:NHFGreview@wildlife.nh.gov)>  
**Subject:** RE: NHF&G FIS 1004 Consultation Request for Eversource Z-180 Line Rebuild Project in Holderness and Campton NHB22-2179

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Hi Kurt,

NHFG is in the process of reviewing NHB22-2179, the utility structure replacement project in Campton. Can you please verify that an AoT is required? It was not listed on the NHB Datacheck letter, but the submission says that it will require one.

Are any trees proposed to be cleared as part of this project?

Thank you,  
Kat

---

**From:** Nelson, Kurt I <[kurt.nelson@eversource.com](mailto:kurt.nelson@eversource.com)>  
**Sent:** Tuesday, August 16, 2022 9:59 AM  
**To:** FGC: NHFG review <[NHFGreview@wildlife.nh.gov](mailto:NHFGreview@wildlife.nh.gov)>  
**Cc:** Winters, Melissa <[Melissa.J.Winters@wildlife.nh.gov](mailto:Melissa.J.Winters@wildlife.nh.gov)>; Wadiak, Kathleen <[Kathleen.P.Wadiak@wildlife.nh.gov](mailto:Kathleen.P.Wadiak@wildlife.nh.gov)>; Sherrie Trefry <[STrefry@VHB.com](mailto:STrefry@VHB.com)>; Andrew Mahoney <[amahoney@vhb.com](mailto:amahoney@vhb.com)>; Ford, Michelle T <[michelle.ford@eversource.com](mailto:michelle.ford@eversource.com)>; Newell, Bradley D <[bradley.newell@eversource.com](mailto:bradley.newell@eversource.com)>  
**Subject:** NHF&G FIS 1004 Consultation Request for Eversource Z-180 Line Rebuild Project in Holderness and Campton NHB22-2179

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Attached please see the consultation request documents pursuant to FIS 1004 for Eversource's Z-180 line rebuild project in Holderness and Campton, NH.

Thank you.

**Kurt I. Nelson**  
Sr. Land Use Licensing & Permitting Specialist

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DATE August 15, 2022

TO: NH Fish & Game Department  
[NHFGreview@wildlife.nh.gov](mailto:NHFGreview@wildlife.nh.gov)

FROM: Kurt Nelson  
Eversource Energy

CC: Melissa Winters, NHF&G  
Kathleen Wadiak, NHF&G  
Michelle Ford, Eversource  
Sherrie Trefry, VHB

SUBJECT: NH F&G Consultation Request  
NHB ID: NHB22-2179  
Z180 Transmission Line Rebuild

---

The following information is being provided on behalf of Public Service Company of New Hampshire dba Eversource Energy Services Company (herein Eversource) in accordance with "Part Fis 1004.03(c) Information Required for Consultation,":

(1) *A copy of the department of natural and cultural resources NHB DataCheck tool results letter.*

See Attachment A for copy of [NHB22-2179]

(2) – (4) *The applicant's full name, mailing address, telephone number and email:*

Eversource Energy  
c/o Kurt Nelson  
13 Legends Drive, Hooksett, NH 03106  
603-634-3396  
[Kurt.nelson@eversource.com](mailto:Kurt.nelson@eversource.com)

(5) – (6) *Person who will respond to requests for information on behalf of the applicant:*

Kurt Nelson  
13 Legends Drive, Hooksett, NH 03106  
603-634-3396  
[Kurt.nelson@eversource.com](mailto:Kurt.nelson@eversource.com)

(7) *Description of the proposed action:*

Eversource has identified the need to replace this line due to the age and condition of the twenty nine (29) existing wooden electric transmission line structures resulting from woodpecker damage, insect damage, and pole rot. The existing wooden electric transmission structures will be replaced with new



weathered steel structures, ceramic conductors will be replaced with glass conductors, and optical ground wire (OPGW) will be installed in accordance with current construction methods and materials. Additionally, nine (9) steel structures exist on the line that will be accessed for OPGW installation and reconductoring but will not be replaced. Installation of the new 1272 ACSS conductor on all structures will bring the line up to current design standards

Two (2) structure replacements will occur in Holderness and twenty seven (27) structure replacements will occur in Campton. No vernal pools were found to occur within the ROW. Work areas at each structure will be approximately 100x100 feet centered on the structure to be replaced. All areas in wetlands will be temporarily timber matted and restored following construction activities; timber matting will be removed as soon as possible. Utility Maintenance BMPs will be followed. Oversight monitoring will be at least weekly.

Construction is scheduled to begin in February of 2023 and will extend for an estimated 6 months. Mapping depicting the project location is attached along with relevant .shp and .kmz files showing the work areas.

The NHB DataCheck (NHB22-2179) has identified the project is located within potential or known habitat for the following species:

- Sensitive Species
- Sensitive Species
- Wood Turtle (*Glyptemys insculpta*)

Eversource proposes the following conservation measures to avoid, minimize and/or mitigate potential harm to threatened and endangered species and habitat determined to be critical:

- All contractors will be trained by the project qualified herpetologist in the identification and response protocols for observation of Wood turtles.
- If work is to occur during the turtle nesting season, extending from approximately May 15<sup>th</sup> - July 15<sup>th</sup>, a biologist with turtle experience will be on site daily to check for protected turtles along the ROW in work areas before crews start work for the day.
- Before the start of construction and movement of equipment, searches and sweeps shall be conducted prior to mowing, matting, and/or gravel placement in order to minimize the chance of animals entering an area between the sweep and work.
- 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.
- Site operators shall be allowed to relocate wildlife encountered if discovered within the active work zone and 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.
- In accordance with Eversource's BMP manual for E&S controls, only biodegradable E&S controls (with the exception of silt fence which will be removed post-construction) will be utilized. No nylon, welded plastic or photodegradable E&S controls shall be permitted for use on the project.
- Sedimentation and erosion controls will be installed, monitored and maintained to protect adjacent upland and wetland areas from sedimentation and degradation; disturbed areas will be temporarily and permanently stabilized and seeded with a native seed mix.



- Bridge matting shall be installed with gaps which facilitate travel by turtles, snakes and other wildlife. Gaps should be created roughly every 30’.
- Signage to identify specific locations where there may be a higher likelihood for species to be present, such as wetland crossing areas will be utilized.

*(8) Description of the project parcel by reference to street address and town, and, if available, a geographical information system defined project boundary.*

The project includes managed right-of-way within the Z180 Transmission Line corridor in the Towns of Campton and Holderness. Project plans depicting the parcel boundaries and work areas are provided in Attachment C.

*(9) A listing of any state or federal permits which have been applied for, have been granted, or which will be necessary for the proposed action to proceed.*

The project is subject to the following permits:

- Statutory Permit by Notification (YET TO BE FILED)
- Alteration of Terrain Permit (YET TO BE FILED)

*(10) The current condition of the action area prior to any proposed modifications, including a description of known or discernible actions within the preceding 24 months that have altered the site, including but not limited to, timber harvests, significant impact from storms, removal of gravel or stone, or addition or removal of structures;*

Previous work on the Z180 Transmission Line resulted in nine (9) existing wooden structures along the having been replaced with new weathered steel structures. Areas of gravel access and work pads at some of these structure locations were still visible during site walks as vegetation continues to regrow.

*(11) Any habitat features supporting or that could support threatened and endangered species that have been identified;*

Wood Turtle (*Glyptemys insculpta*):

Wood turtles are primarily found near forested streams or rivers, an area in which they hibernate during the winter. During the spring and summer, they will leave the water and move to open grasslands and gravel shores for nesting and foraging. Within the project area, the Z180 Transmission Line traverses four intermittent streams, Durgin Brook, Palmer Brook, the Beebe River and various freshwater forested/shrub wetlands and emergent wetlands that can provide potential suitable habitat for turtle nesting. Additionally, the silver maple (*Acer saccharinum*) floodplain along the Pemigewasset River, located east of the project area, provides suitable overwinter habitat. However, there are also a number of steep slope areas throughout the project area where turtles are unlikely to traverse.

*(12) A description of any conservation measures proposed by the applicant to avoid, minimize, or mitigate potential harm to threatened and endangered species and habitat determined to be critical, including but not limited to:*

- All contractors will be trained by the project qualified herpetologist in the identification and response protocols for observation of Wood turtles.
- If work is to occur during the turtle nesting season, extending from approximately May 15th - July 15th, a biologist with turtle experience will be on site daily to check for protected turtles along the ROW in work areas before crews start work for the day.



- Before the start of construction and movement of equipment, searches and sweeps shall be conducted prior to mowing, matting, and/or gravel placement in order to minimize the chance of animals entering an area between the sweep and work.
- 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.
- Site operators shall be allowed to relocate wildlife encountered if discovered within the active work zone and 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.
- In accordance with Eversource's BMP manual for E&S controls, only biodegradable E&S controls (with the exception of silt fence which will be removed post-construction) will be utilized. No nylon, welded plastic or photodegradable E&S controls shall be permitted for use on the project.
- Sedimentation and erosion controls will be installed, monitored and maintained to protect adjacent upland and wetland areas from sedimentation and degradation; disturbed areas will be temporarily and permanently stabilized and seeded with a native seed mix.
- Bridge matting shall be installed with gaps which facilitate travel by turtles, snakes and other wildlife. Gaps should be created roughly every 30'.
- Signage to identify specific locations where there may be a higher likelihood for species to be present, such as wetland crossing areas will be utilized.

#### Signatures and Certifications

- (1) The information contained in or otherwise submitted with the document is true, complete, and not misleading to the best of the signer's knowledge and belief; and
- (2) The signer understands that the submission of false, incomplete, or misleading information shall constitute grounds, pursuant to Fis 1004.13, for the department to:
  - a. Suspend consultation pending submission of true, complete, and not misleading information;
  - b. Terminate consultation
  - c. Withdraw any recommendations made to the referring state agency under this part; or
  - d. Report the suspension, termination, or withdrawal of recommendations, and the full circumstances of the submission, to the referring state agency for action in the pending or completed request for a permit or other action.

A handwritten signature in blue ink, appearing to read "Kurt Nelson".

Applicant: \_\_\_\_\_

Date: August 15, 2022

Kurt Nelson, Eversource

#### Attachments:

- Attachment A: NHB DataCheck No. [NHB22-2179]
- Attachment B: USGS Location Map
- Attachment C: Project Plan



---

## Attachment A: NHB DataCheck

## Memo

Please note: portions of this document are confidential.  
Maps and NHB record pages are confidential and should be redacted from public documents.

**To:** Andrew Mahoney, VHB  
2 Bedford Farms Drive Suite 200  
Bedford, NH 03103

**From:** NHB Review, NH Natural Heritage Bureau  
**Date:** 7/7/2022 (valid until 07/07/2023)  
**Re:** Review by NH Natural Heritage Bureau  
**Permits:** NHDES - Utility Statutory Permit by Notification (SPN)

**NHB ID:** NHB22-2179      Town: Campton      Location: Z180 Transmission Line  
**Description:** PSNH d/b/a Eversource Energy intends to conduct a full-line rebuild of the Z180 Transmission Line, including the replacement of 39 wooden utility pole structures with new weathered steel structures in accordance with industry standards.  
**cc:** NHFG Review

As requested, I have searched our database for records of rare species and exemplary natural communities, with the following results:

**Comments**    **NHB: No comments at this time.**  
                  **F&G: Please provide project timing to inform the review decision making process.**

Vertebrate species	State <sup>1</sup>	Federal	Notes
Sensitive species	E	T	Contact the NH Fish & Game Dept (see below).
Sensitive species	E	T	Contact the NH Fish & Game Dept (see below).
Wood Turtle ( <i>Glyptemys insculpta</i> )	SC	--	Contact the NH Fish & Game Dept (see below).

<sup>1</sup>Codes: "E" = Endangered, "T" = Threatened, "SC" = Special Concern, "--" = an exemplary natural community, or a rare species tracked by NH but not yet been added to the official state list. An asterisk (\*) indicates that the most recent report for that occurrence was more than 20 years ago.

*For all animal reviews, refer to 'IMPORTANT: NHFG Consultation' section below.*

---

Disclaimer: A negative result (no record in our database) does not mean that a sensitive species is not present. Our data can only tell us what we know.

## Memo

NH Natural  
NHB DataCheck

Please note: portions of this document are confidential.

Maps and NHB record pages are confidential and should be redacted from public documents.

based on information gathered by qualified biologists and reported to our office. However, many areas have never been surveyed, and data may be incomplete for certain species. An on-site survey would provide better information on what species and communities are indeed present.

---

### **IMPORTANT: NHFG Consultation**

If this NHB Datacheck letter DOES NOT include ANY wildlife species records, then, based on the information submitted, no further consultation with the New Hampshire Fish and Game Department pursuant to Fis 1004 is required.

If this NHB Datacheck letter includes a record for a threatened (T) or endangered (E) wildlife species, consultation with the New Hampshire Fish and Game Department under Fis 1004 may be required. To review the Fis 1000 rules (effective February 3, 2022), please go to <https://wildlife.state.nh.us/wildlife/environmental-review.html>. All requests for consultation and submittals should be sent via email to [NHFGreview@wildlife.nh.gov](mailto:NHFGreview@wildlife.nh.gov) or can be sent by mail, and **must include the NHB Datacheck results letter number and “Fis 1004” in the subject line.**

If the NHB DataCheck response letter does not include a threatened or endangered wildlife species but includes other wildlife species (e.g., Concern), consultation under Fis 1004 is not required; however, some species are protected under other state laws or rules, so coordination with NH Fish & Game is highly recommended or may be required for certain permits. While some permitting processes are exempt from required consultation (e.g., *statutory permit by notification*, *permit by rule*, *permit by notification*, *routine roadway registration*, *docking structure registration*, *authorization by rule*), coordination with NH Fish & Game may still be required under the rules governing those specific permitting processes. We highly recommend you contact the applicable permitting agency. For projects not requiring consultation under Fis 1004, but where additional consultation with NH Fish and Game is requested, please email: Kim Tuttle [kim.tuttle@wildlife.nh.gov](mailto:kim.tuttle@wildlife.nh.gov) with a copy to [NHFGreview@wildlife.nh.gov](mailto:NHFGreview@wildlife.nh.gov), and include the results letter number and “review request” in the email subject line.

Contact NH Fish & Game at (603) 271-0467 with questions.







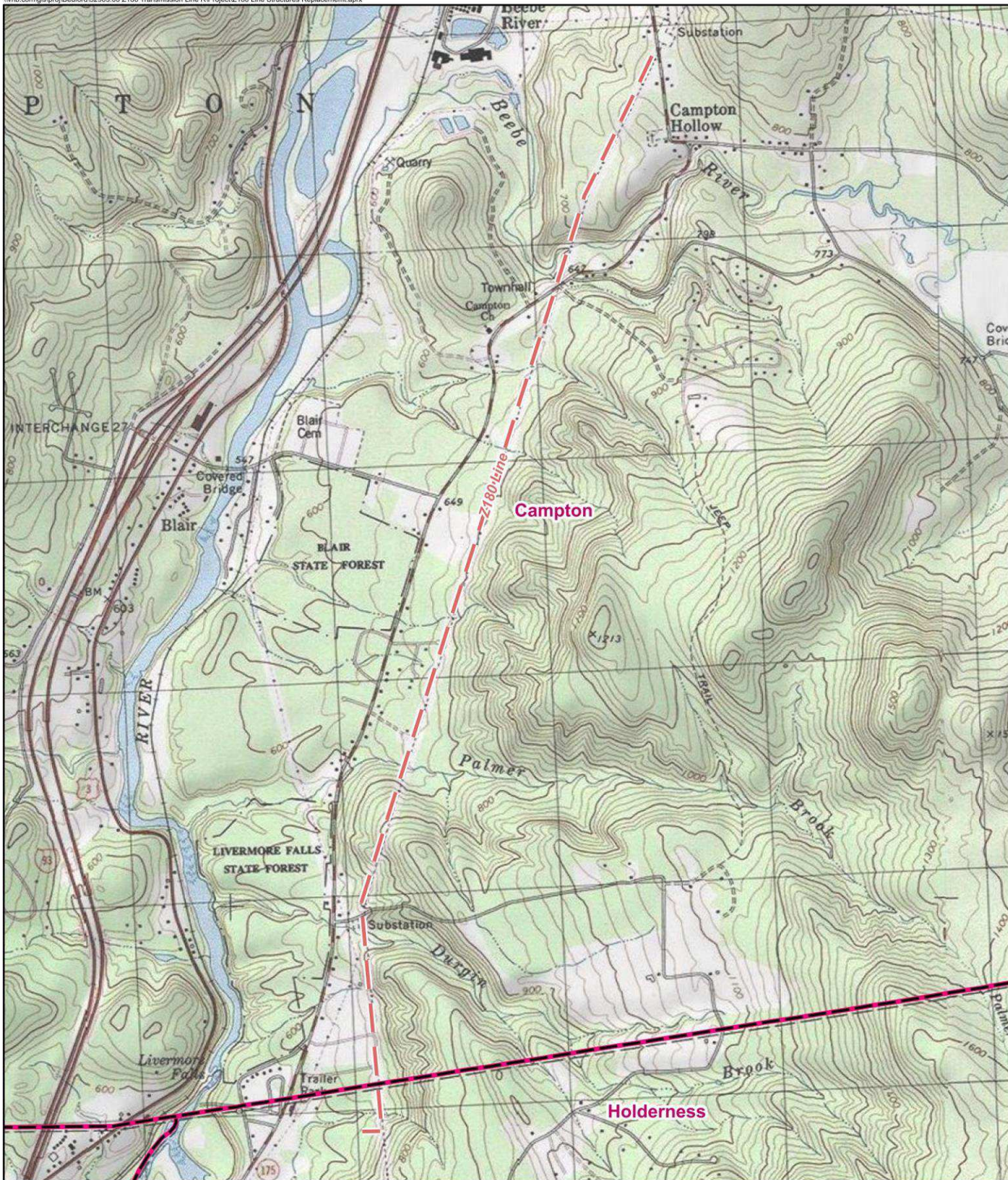
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

## Attachment B: USGS Location Map





INDEX MAP

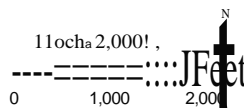


-  OVERHEAD EVERSOURCE LINE
-  MUNICIPAL BOUNDARY

**EVERSOURCE**  
ENERGY

Z180 Line Structure Replacement Project  
USGS Locus Map  
Holderness and Campton, New Hampshire

Date: August 02, 2022



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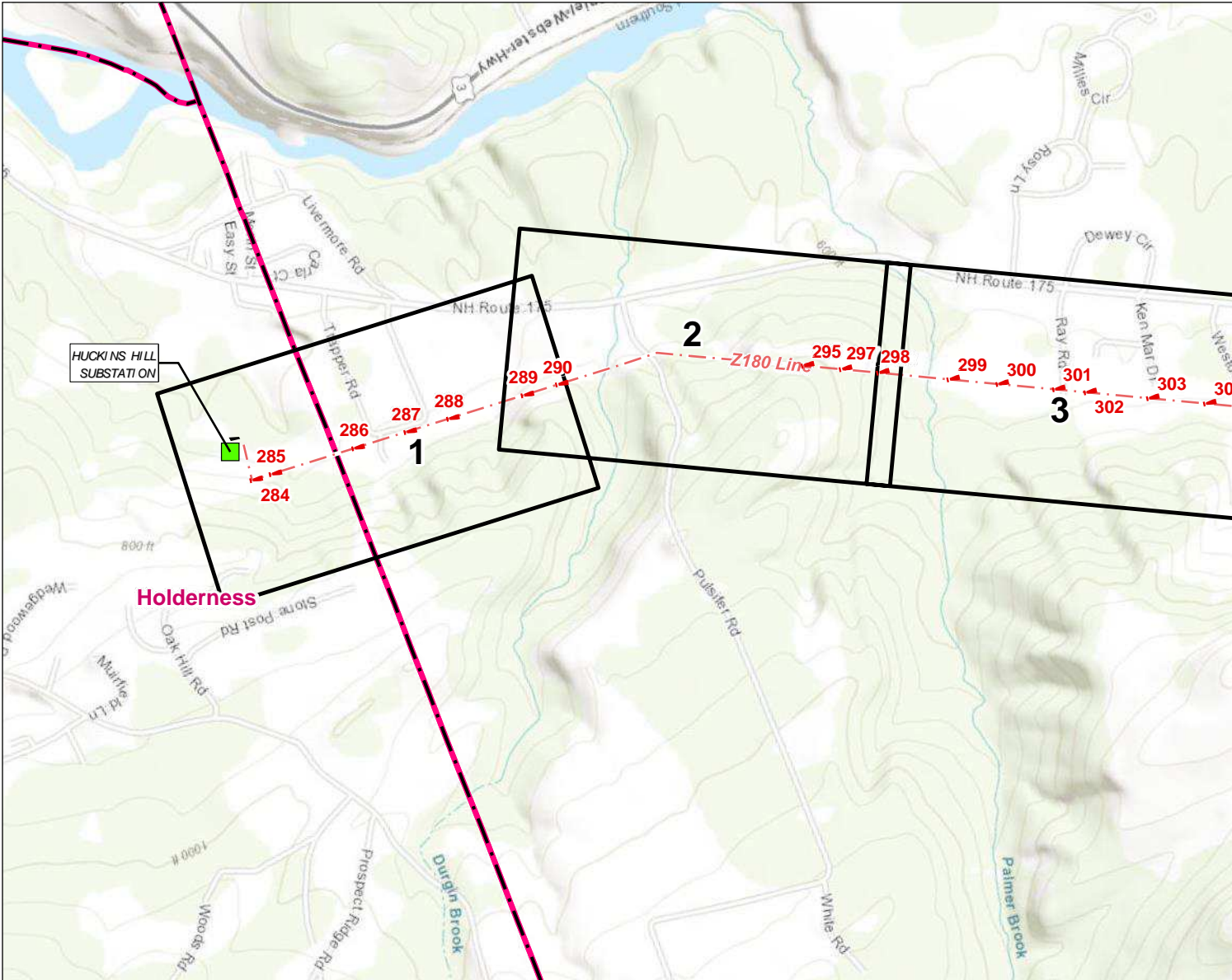
## Attachment C: Project Plans

# Z180 Line Structure

Holderness and  
Environmental

Draft

Date: Jul



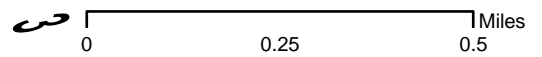
### Legend

- Substation
- Map Sheet
- Proposed Structure
- Municipal Boundary
- Overhead Eversource Line

PREPARED FOR:



13 Legends Drive  
Hooksett, NH 03106



### INDEX OF FIGURES

Title Sheet / Index Map  
Map Sheets 1-6



TEMPORARY WETLAND IMPACT:  
219 SF

HUCKINS HILL  
SUBSTATION

Ems Line

284

285

286

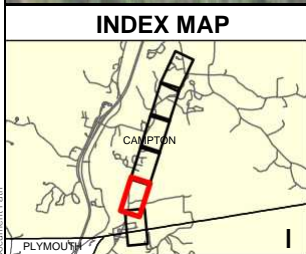
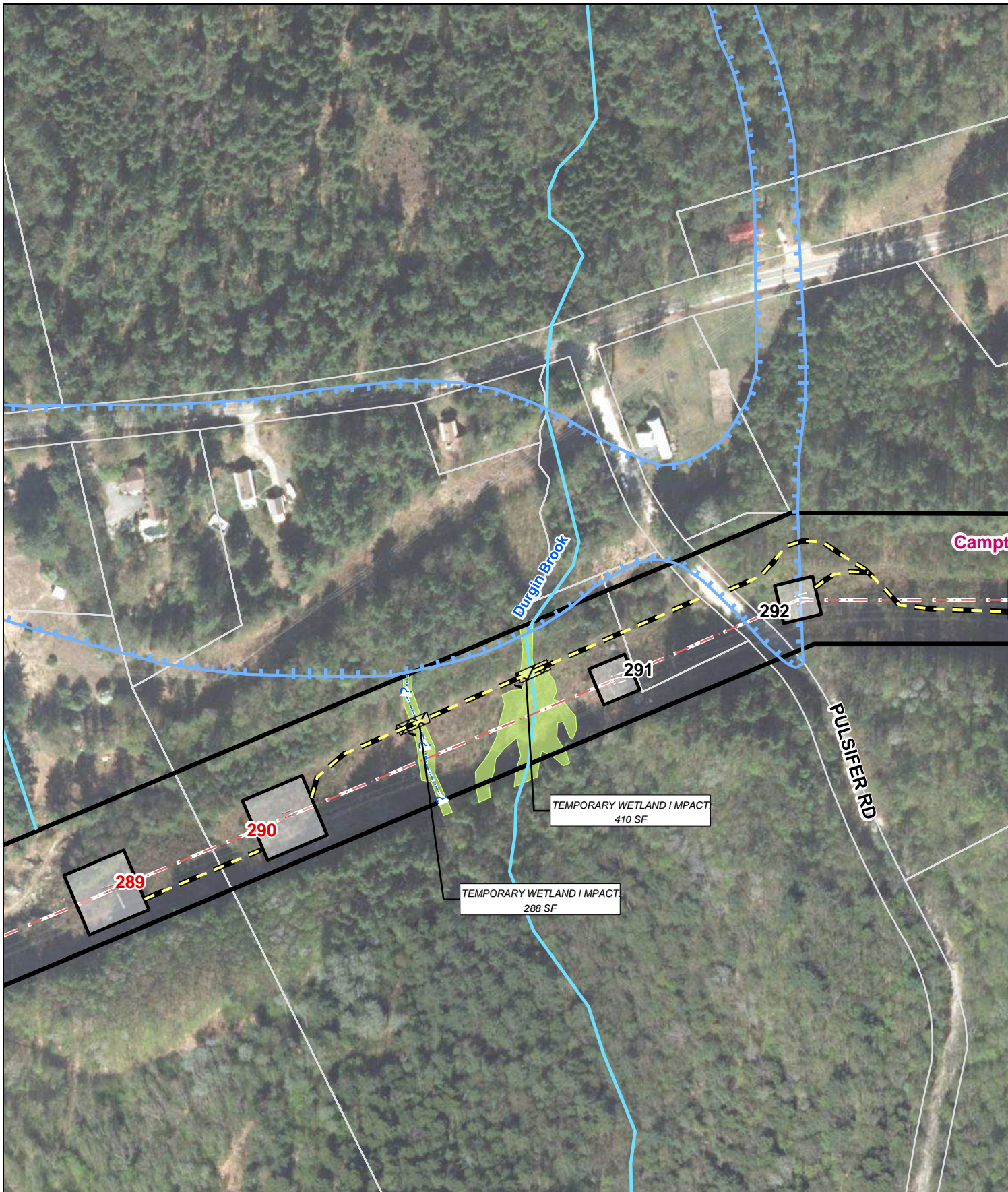
Holderness

OAK HILL RD

INDEX MAP

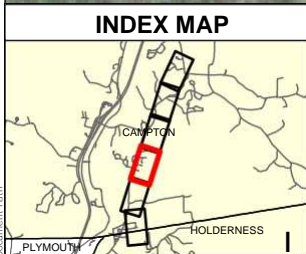
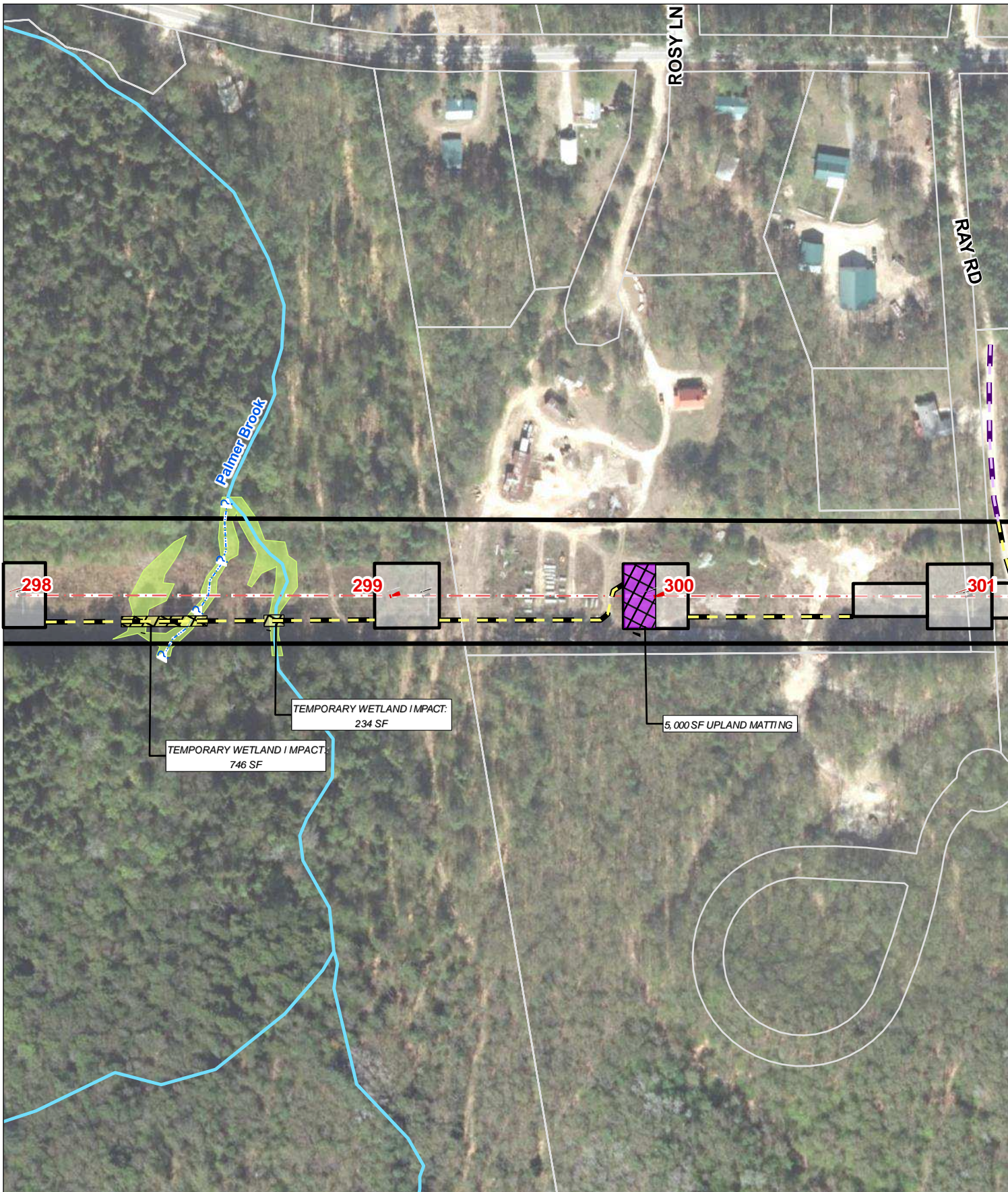


	Existing Structure		Proposed Access		Temporary Construction Matting
	Existing Structure to be Removed		Access Road to be Improved		Upland Construction Matting
	Proposed Structure		Delineated Intermittent Watercourse		WorkPad
	Overhead Eversource Line		Delineated Perennial Watercourse		FEMA 100-Year Flood Zone
	Existing Right-of-Way (ROW)		Watercourse (not delineated)		NH Priority Resource Area Flood Plain Wetlands Adjacent to Tier 3 Streams
	Existing Access		Field Delineated Wetland		
	Off-ROW Access Pending Rights				

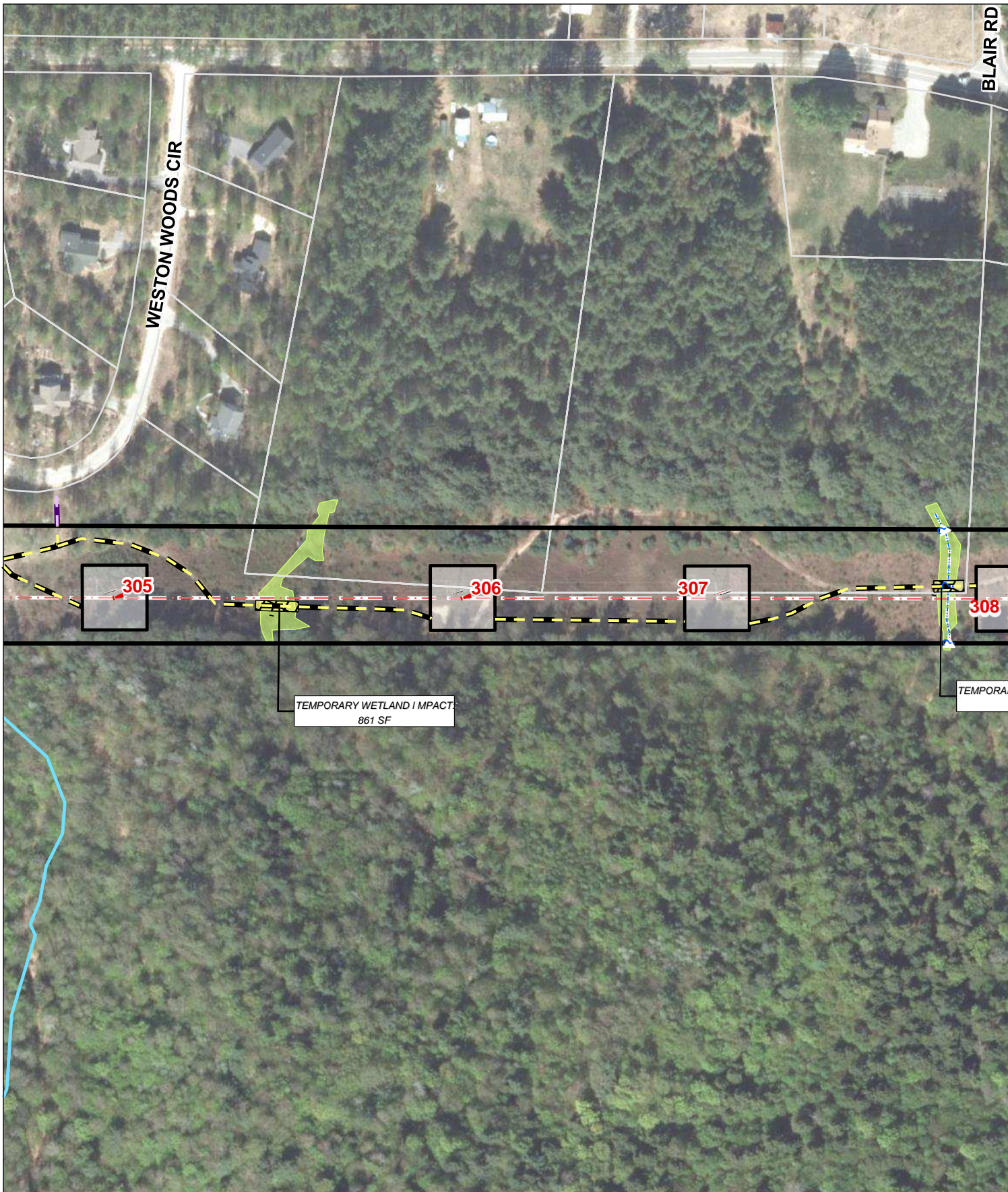


!	Existing Structure	—	Proposed Access	▨	Temporary Construction Matting	▭	Existing Structure to be Removed
!	Existing Structure to be Removed	—	Access Road to be Improved	▨	Upland Construction Matting	▭	Proposed Structure
—	Proposed Structure	?	Delineated Intermittent Watercourse	▭	WorkPad	▭	Overhead Eversource Line
---	Overhead Eversource Line	?	Delineated Perennial Watercourse	▭	FEMA 100-Year Flood Zone	▭	Existing Right-of-Way (ROW)
—	Existing Right-of-Way (ROW)	—	Watercourse (not delineated)	▭	NH Priority Resource Area Flood Plain Wetlands Adjacent to Tier 3 Streams	▭	Existing Access
—	Existing Access	—	Field Delineated Wetland	▭		▭	Off-ROW Access Pending Rights
—	Off-ROW Access Pending Rights						

Document Path



!	Existing Structure	—	Proposed Access	▨	Temporary Construction Matting	▭	Off-ROW Access Pending Rights
!	Existing Structure to be Removed	—	Access Road to be Improved	▨	Upland Construction Matting	▭	Off-ROW Access Pending Rights
▭	Proposed Structure	?	Delineated Intermittent Watercourse	▭	WorkPad	▭	Off-ROW Access Pending Rights
---	Overhead Eversource Line	?	Delineated Perennial Watercourse	▭	FEMA 100-Year Flood Zone	▭	Off-ROW Access Pending Rights
—	Existing Right-of-Way (ROW)	—	Watercourse (not delineated)	▨	NH Priority Resource Area Flood Plain Wetlands Adjacent to Tier 3 Streams	▭	Off-ROW Access Pending Rights
—	Existing Access	—	Field Delineated Wetland				
—	Off-ROW Access Pending Rights						

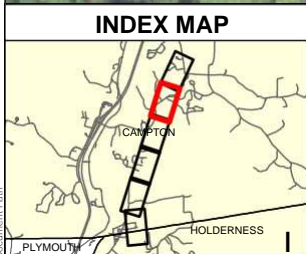
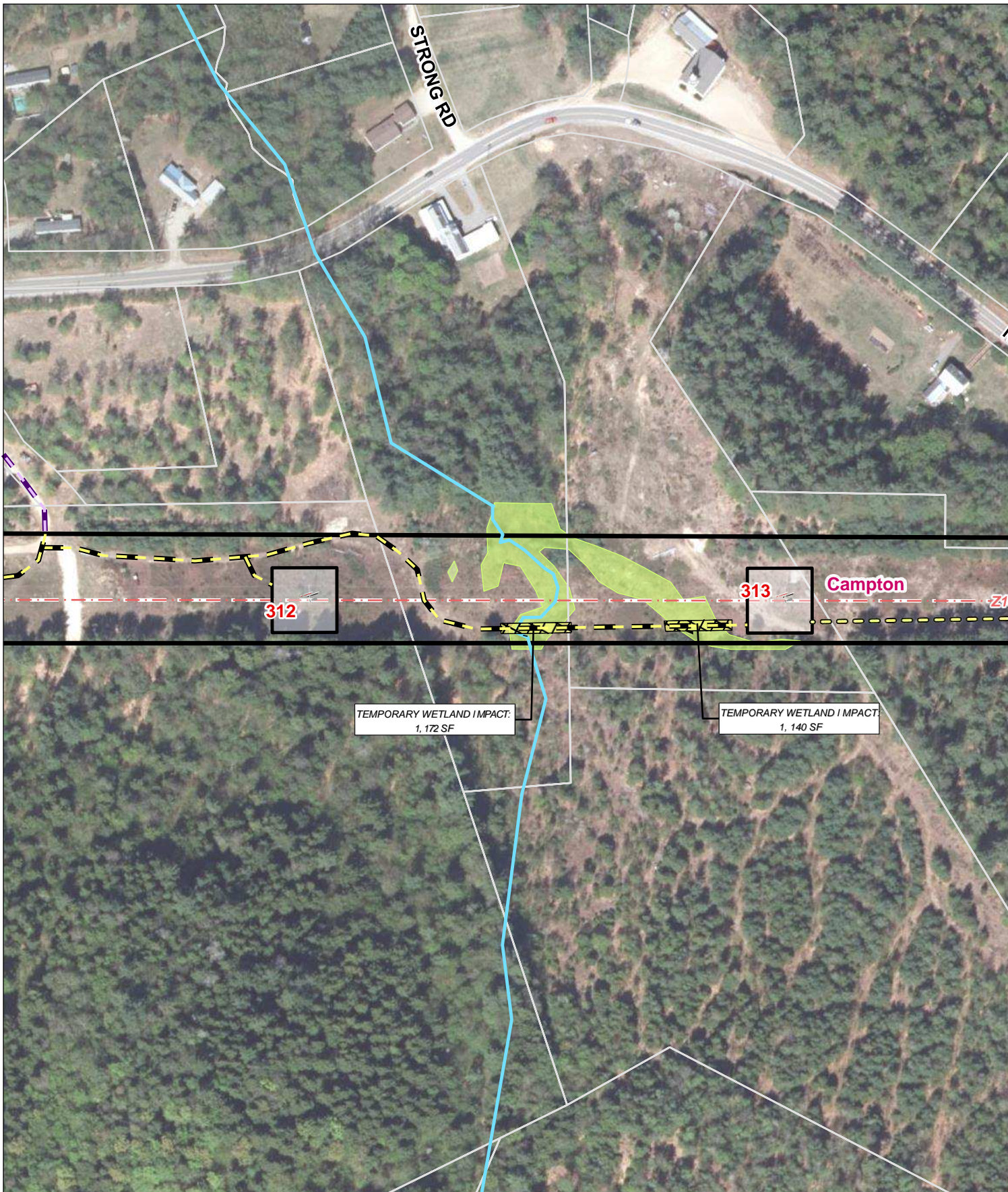


**INDEX MAP**

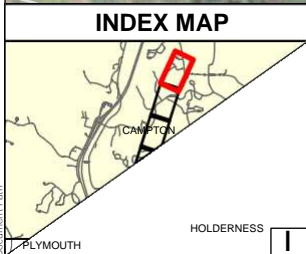


- |       |                                  |   |                                     |   |                                       |   |         |
|-------|----------------------------------|---|-------------------------------------|---|---------------------------------------|---|---------|
| !     | Existing Structure               | — | Proposed Access                     | ▨ | Temporary Construction Matting        | ▭ | WorkPad |
| !     | Existing Structure to be Removed | — | Access Road to be Improved          | ▨ | Upland Construction Matting           | ▭ | WorkPad |
| —     | Proposed Structure               | ? | Delineated Intermittent Watercourse | ▭ | FEMA 100-Year Flood Zone              | ▭ | WorkPad |
| - - - | Overhead Eversource Line         | ? | Delineated Perennial Watercourse    | ▭ | NH Priority Resource Area Flood Plain | ▭ | WorkPad |
| —     | Existing Right-of-Way (ROW)      | — | Watercourse (not delineated)        | ▭ | Wetlands Adjacent to Tier 3 Streams   | ▭ | WorkPad |
| —     | Existing Access                  | — | Field Delineated Wetland            | ▭ |                                       | ▭ | WorkPad |
| —     | Off-ROW Access Pending Rights    |   |                                     |   |                                       |   | WorkPad |





!	Existing Structure	—	Proposed Access	▨	Temporary Construction Matting	▭	WorkPad
!	Existing Structure to be Removed	—	Access Road to be Improved	▨	Upland Construction Matting	▭	WorkPad
▭	Proposed Structure	?	Delineated Intermittent Watercourse	▭	WorkPad	▭	WorkPad
---	Overhead Eversource Line	?	Delineated Perennial Watercourse	▭	FEMA 100-Year Flood Zone	▭	FEMA 100-Year Flood Zone
—	Existing Right-of-Way (ROW)	—	Watercourse (not delineated)	▨	NH Priority Resource Area Flood Plain Wetlands Adjacent to Tier 3 Streams	▭	NH Priority Resource Area Flood Plain Wetlands Adjacent to Tier 3 Streams
—	Existing Access	—	Field Delineated Wetland				
—	Off-ROW Access Pending Rights						



!	Existing Structure	—	Proposed Access	▨	Temporary Construction Matting	▭	FEMA 100-Year Flood Zone
!	Existing Structure to be Removed	—	Access Road to be Improved	▨	Upland Construction Matting	▭	NH Priority Resource Area Flood Plain Wetlands Adjacent to Tier 3 Streams
▭	Proposed Structure	?	Delineated Intermittent Watercourse	▭	WorkPad	▭	
---	Overhead Eversource Line	?	Delineated Perennial Watercourse	▭		▭	
—	Existing Right-of-Way (ROW)	—	Watercourse (not delineated)	▭		▭	
—	Existing Access	▭	Field Delineated Wetland				
—	Off-ROW Access Pending Rights						

# Wood Turtle

(*Glyptemys insculpta*)

(New Hampshire Species of Special Concern)

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

Turtles are most active from April 15th - October 15th - maintain silt fences during this time



- Neck and forelimbs are orange.
- Characterized by its highly sculpted shell with each large scute taking on an irregular pyramidal shape.
- Adults can be 5-8 inches long.



**Please report sightings to NH Fish and Game at [RAARP@wildlife.nh.gov](mailto:RAARP@wildlife.nh.gov) or at 603-271-2461. Photo documentation, location, and date/time of observation is helpful.**

**NOTE: It is illegal to remove a wood turtle from the wild (RSA 207:1, FIS 804.02).  
Fis 1401.03 (a) No person shall take or possess a...wood turtle (*Glyptemys insculpta*)...or any egg or part thereof.**





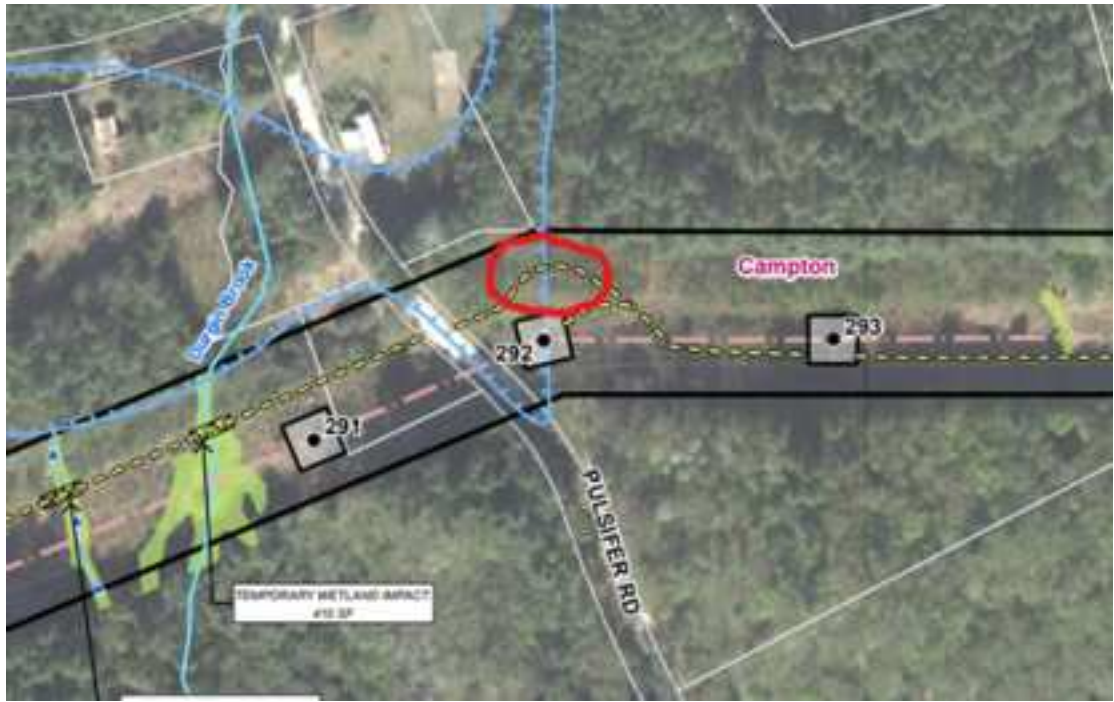












# Redaction Log

Total Number of Redactions in Document: 3

## Redaction Reasons by Page

Page	Reason	Description	Occurrences
20	CONFIDENTIAL DNCR	NH RSA 91-A:5, IV Confidential information. NH Department of Natural and Cultural Resources (DNCR) has asserted a claim of confidentiality. See also NH RSA 212-A, RSA 212-B, RSA 217-A, and/or RSA 227-C:11.	1
21	CONFIDENTIAL DNCR	NH RSA 91-A:5, IV Confidential information. NH Department of Natural and Cultural Resources (DNCR) has asserted a claim of confidentiality. See also NH RSA 212-A, RSA 212-B, RSA 217-A, and/or RSA 227-C:11.	1
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# Redaction Log

## Redaction Reasons by Exemption

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