From: Tetreau, Thomas

Sent: Mon, 3 Oct 2022 12:06:48 +0000

To: Mauck, Ridgely Cc: Friend, Ashley C

Subject: RE: RE: P145 AoT - adjacent structures

Attachments: p145_c189_m180_h137_nhfg_final_correspondence.pdf, NHB21-

3593_Tetreau.pdf, NHB21-3594_Tetreau.pdf, NHB21-3595_Tetreau.pdf

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Hi Ridge.

Please see the attached correspondence from NHFG where NHFG accepted the final permitting map set and BMPs/protection measures, which included the C189, M108, and H137 structures that are the subject of this amendment. These were also included in our SPN wetland permitting and that correspondence was required for those permits as well. This is the same map set referenced in condition #1 of AoT permit AoT-2205.

The NHB review area included the full width of the P145 ROW, which includes the P145, C189, M108, and H137 lines. The NHB datacheck letters are attached for quick reference.

In summary, the AoT amendment areas on the C189, M108, and H137 lines were not included in the original AoT mapping and fee, just due to the early timing of the submittal, but they were always part of the NHFG/NHB correspondence.

I hope that helps, let me know if you need anything else.

Thanks! Tom

Tom Tetreau NHCWS, PWS, CPESC

Associate, Environmental Scientist

Mobile: 207 504-7231 Office: 207 406-5496 Tom.Tetreau@stantec.com

Stantec 30 Park Drive Topsham ME 04086-1737



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From: Mauck, Ridgely < Addison.R. Mauck@des.nh.gov>

Sent: Sunday, October 2, 2022 6:23 AM

To: Tetreau, Thomas <Tom.Tetreau@stantec.com> Cc: Friend, Ashley C <ashley.friend@eversource.com> Subject: RE: RE: P145 AoT - adjacent structures

Tom,

The September 16, 2022 transmittal letter for the AoT permit amendment application for the P145 transmission line (AoT-2205) indicates that the additional structure replacements for the C189, M108,

and H137 lines were included in the NHB review area and as part of the P145 line consultation with NHFG. For the record, please provide confirmation from NHFG that further consultation is not required for the AoT permit amendment.

Thanks, Ridge

From: Tetreau, Thomas < <u>Tom.Tetreau@stantec.com</u>>
Sent: Wednesday, September 21, 2022 1:50 PM
To: Mauck, Ridgely < <u>addison.r.mauck@des.nh.gov</u>>
Cc: Schlosser, Michael < <u>Michael.J.Schlosser@des.nh.gov</u>>

Subject: RE: P145 AoT - adjacent structures

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It seems the tracking was just messed up and the town of Bow received the application as planned. See attached.

Let me know if you need anything else.

Thanks! Tom

Tom Tetreau NHCWS, PWS, CPESC

Associate, Environmental Scientist

Mobile: 207 504-7231 Office: 207 406-5496 Tom.Tetreau@stantec.com

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From: Tetreau, Thomas

Sent: Wednesday, September 21, 2022 11:10 AM
To: Mauck, Ridgely < Addison.R. Mauck@des.nh.gov >
Cc: Schlosser, Michael < Michael.J. Schlosser@des.nh.gov >

Subject: RE: P145 AoT - adjacent structures

Hi Ridge,

We submitted the AOT amendment discussed below for AoT-2205. It should have arrived at NHDES yesterday. Attached are confirmations the application was sent to the towns of Pembroke and Concord and the LAC. The application to the town of Bow is lost somewhere in FedEx land....I've emailed an electronic copy to the town and asked that they confirm receipt – will let you know when they respond. Please let me know if you need anything else for this amendment application.

Thank you!

Tom

Tom Tetreau NHCWS, PWS, CPESC

Associate, Environmental Scientist

Mobile: 207 504-7231 Office: 207 406-5496 Tom.Tetreau@stantec.com

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From: Mauck, Ridgely < Addison.R. Mauck@des.nh.gov >

Sent: Tuesday, August 16, 2022 2:29 PM

To: Friend, Ashley C <ashley.friend@eversource.com> Cc: Tetreau, Thomas <<u>Tom.Tetreau@stantec.com</u>> Subject: FW: P145 AoT - adjacent structures

Forgot to include Ashley in the response

-Ridge

From: Mauck, Ridgely

Sent: Tuesday, August 16, 2022 2:28 PM

To: 'Tetreau, Thomas' <Tom.Tetreau@stantec.com>

Subject: RE: P145 AoT - adjacent structures

There is no statutory limit on the timeframe for review of permit amendments. We typically try to complete our reviews of amendments in a 15-30 day period. Given that NHFG has already considered the C189, M108, and H137 lines, we should be able to meet the 15-30 day period.

-Ridge

From: Tetreau, Thomas <Tom.Tetreau@stantec.com>

Sent: Tuesday, August 16, 2022 2:07 PM

To: Mauck, Ridgely <addison.r.mauck@des.nh.gov> Cc: Friend, Ashley C <ashley.friend@eversource.com>

Subject: RE: P145 AoT - adjacent structures

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Hi Ridge,

Is there a difference in review period between a new application and a permit amendment? I know review for a typical application is 50 days but I couldn't readily find an amendment review period. Thanks,

Tom

Tom Tetreau NHCWS, PWS, CPESC

Associate, Environmental Scientist

Mobile: 207 504-7231 Office: 207 406-5496 Tom.Tetreau@stantec.com

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From: Mauck, Ridgely < Addison.R. Mauck@des.nh.gov >

Sent: Tuesday, August 16, 2022 1:50 PM

To: Tetreau, Thomas < <u>Tom.Tetreau@stantec.com</u>> Cc: Friend, Ashley C < <u>ashley.friend@eversource.com</u>>

Subject: RE: P145 AoT - adjacent structures

Tom,

This issue could be addressed with a new AoT permit application, or since the additional transmission lines are adjacent to the P145 line it could be addressed with a permit amendment with a waiver of Env-Wq 1503.22(c)(6), which limits the area of "new " disturbance. There is a larger financial impact to the amendment route as RSA 485-A:17 II(b) stipulates an amendment fee of \$500 + \$0.10 per square foot of disturbance.

Happy to discuss further by phone.

Regards, Ridge

From: Tetreau, Thomas <Tom.Tetreau@stantec.com>

Sent: Tuesday, August 16, 2022 1:11 PM

To: Mauck, Ridgely <addison.r.mauck@des.nh.gov>
Cc: Friend, Ashley C <ashley.friend@eversource.com>

Subject: P145 AoT - adjacent structures

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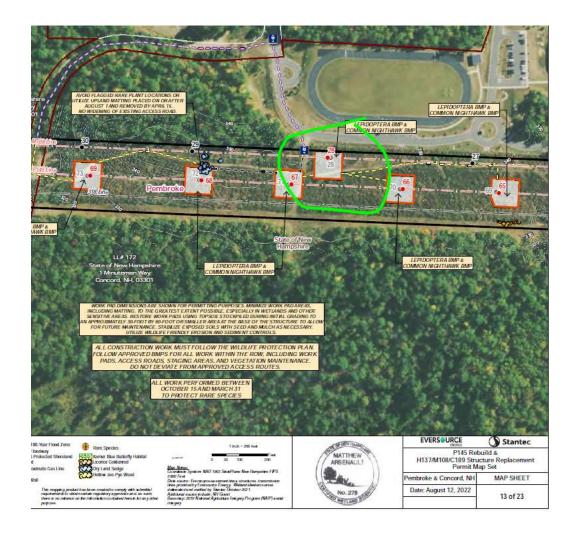
Hi Ridge,

Following up on the voicemail I left you. In addition to the P145 line rebuild, there are several structures on the adjacent C189, M108, and H137 lines that are also in bad shape and need replacing. These structures and associated work pads and access were included on the Permitting Map Set (8/12/22) approved by NHFG but they were not included in the original AoT application. An example location is below, M108 structure 28.

I need to have GIS run the exact calculations but I'd estimate these structures (\sim 18) will require and additional 200K-250k square feet of upland disturbance.

What is the correct way to go about permitting these additional structures? Any guidance you can provide on what would be most efficient for you would be much appreciated. Luckily, these areas have been worked out already with NHFG.

I'm happy to set up a call to discuss more if that helps. Thanks! Tom





Tom Tetreau NHCWS, PWS, CPESC

Associate, Environmental Scientist

Mobile: 207 504-7231 Office: 207 406-5496 Tom.Tetreau@stantec.com

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Tetreau, Thomas

From: Wadiak, Kathleen < Kathleen.P.Wadiak@wildlife.nh.gov>

Sent: Friday, August 12, 2022 1:09 PM **To:** Tetreau, Thomas; Mauck, Ridgely

Cc: Friend, Ashley C; FGC: NHFG review; Winters, Melissa **Subject:** RE: 220428-090 P145 Transmission Line Rebuild

Tom,

Thank you. NHFG has no further comments.

Have a great weekend, Kat

From: Tetreau, Thomas <Tom.Tetreau@stantec.com>

Sent: Friday, August 12, 2022 12:52 PM

To: Wadiak, Kathleen <Kathleen.P.Wadiak@wildlife.nh.gov>; Mauck, Ridgely <addison.r.mauck@des.nh.gov>

Cc: Friend, Ashley C <ashley.friend@eversource.com>; FGC: NHFG review <NHFGreview@wildlife.nh.gov>; Winters,

Melissa < Melissa. J. Winters@wildlife.nh.gov>

Subject: RE: 220428-090 P145 Transmission Line Rebuild

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Kat and Ridge,

The discussed edits have been made. Please see the attached updated map set.

Please let me know if you see anything else that needs to be addressed or have any questions.

Thank you,

Tom

Tom Tetreau NHCWS, PWS, CPESC

Associate, Environmental Scientist

Mobile: 207 504-7231 Office: 207 406-5496 Tom.Tetreau@stantec.com

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From: Wadiak, Kathleen < Kathleen.P. Wadiak@wildlife.nh.gov>

Sent: Friday, August 12, 2022 11:36 AM

To: Tetreau, Thomas <Tom.Tetreau@stantec.com>; Mauck, Ridgely <addison.r.mauck@des.nh.gov>

Cc: Friend, Ashley C <ashley.friend@eversource.com>; FGC: NHFG review <NHFGreview@wildlife.nh.gov>; Winters,

Melissa < Melissa. J. Winters@wildlife.nh.gov>

Subject: RE: 220428-090 P145 Transmission Line Rebuild

Great, thank you.

From: Tetreau, Thomas < Tom.Tetreau@stantec.com>

Sent: Friday, August 12, 2022 11:21 AM

Melissa < Melissa. J. Winters@wildlife.nh.gov>

Subject: RE: 220428-090 P145 Transmission Line Rebuild

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That is correct, the few unavoidable inundated areas (BMP A) are located near turtle pond on the north end of the line and within the Merrimack station area on the south end of the line, outside of the other TOY restriction area. However, if we find anywhere that conditions have changed or run into any other unforeseen issues, we will be sure to contact you and coordinate before proceeding.

Thank you!

Tom

Tom Tetreau NHCWS, PWS, CPESC

Associate, Environmental Scientist

Mobile: 207 504-7231 Office: 207 406-5496 Tom.Tetreau@stantec.com

Stantec 30 Park Drive

Topsham ME 04086-1737



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From: Wadiak, Kathleen < Kathleen.P.Wadiak@wildlife.nh.gov >

Sent: Friday, August 12, 2022 11:15 AM

To: Tetreau, Thomas < Tom.Tetreau@stantec.com; Mauck, Ridgely < addison.r.mauck@des.nh.gov

Cc: Friend, Ashley C <ashley.friend@eversource.com>; FGC: NHFG review <NHFGreview@wildlife.nh.gov>; Winters,

Melissa < Melissa. J. Winters@wildlife.nh.gov>

Subject: RE: 220428-090 P145 Transmission Line Rebuild

Tom,

Thanks, that should work for NHFG as long as the staging area south of Garvins Falls Road, that will be established during the active season, is still marked as being held to active season BMPs. According to the plans, it doesn't look like there are areas within the TOY restriction where the BMPs for placing matting in permanently inundated wetlands apply. As these areas require matting placement to be done outside of the dormant season, please let us know if this changes so we can provide further coordination.

Thanks again,

Kat

From: Tetreau, Thomas <Tom.Tetreau@stantec.com>

Sent: Friday, August 12, 2022 10:55 AM

To: Mauck, Ridgely <addison.r.mauck@des.nh.gov>

Cc: Friend, Ashley C <ashley.friend@eversource.com>; Wadiak, Kathleen <Kathleen.P.Wadiak@wildlife.nh.gov>

Subject: RE: 220428-090 P145 Transmission Line Rebuild

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Thanks for the quick response Ridge and Kat, we will make these changes right away.

I think I will eliminate the different color BMPs for all areas within the Oct 15-March 31 TOY restriction areas and make them red (or similar) to avoid confusion and make it clear they are off limits until that time.

I will pass along the updated version as soon as possible.

Thanks again,

Tom

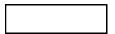
Tom Tetreau NHCWS, PWS, CPESC

Associate, Environmental Scientist

Mobile: 207 504-7231 Office: 207 406-5496 Tom.Tetreau@stantec.com

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From: Mauck, Ridgely <Addison.R.Mauck@des.nh.gov>

Sent: Friday, August 12, 2022 10:46 AM

To: Tetreau, Thomas <Tom.Tetreau@stantec.com>

Cc: Friend, Ashley C <ashley.friend@eversource.com>; Wadiak, Kathleen <Kathleen.P.Wadiak@wildlife.nh.gov>

Subject: RE: 220428-090 P145 Transmission Line Rebuild

Tom,

Please see attached communication with Kat Wadiak of NHFG. Given the numerous communications between NHFG and Eversource since the NHFG email of 7/22/22, I asked NHFG to review the "final" notes incorporated into the project plan set. Please address the comments within the attached communication. Also, please modify the header/title to the plan notes to: New Hampshire Fish and Game AoT Permit Conditions in accordance with Env-Wq 1504.18 – Wildlife Protection Notes.

Regards, Ridge

From: Tetreau, Thomas <Tom.Tetreau@stantec.com>

Sent: Friday, August 12, 2022 6:52 AM

To: Mauck, Ridgely <addison.r.mauck@des.nh.gov>
Cc: Friend, Ashley C <ashley.friend@eversource.com>
Subject: RE: 220428-090 P145 Transmission Line Rebuild

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Hi Ridge,

I believe you have been copied on the recent P145 NHFG correspondence. We recently reached agreement on recommendations, BMPs, and refinement of the time of year restricted segment (email chain attached). We have updated the permitting map set (to be submitted to NHDES soon in wetland SPN applications) to reflect the recommendations and requirements.

While we still need NHDES/Corps permits for work in wetlands, the AOT permit will free up several upland areas for the contractor that is currently standing by and allow some work to be done under planned outages.

Please let us know if you need any other information for final approval of the AOT application.

Thank you!

Tom

Tom Tetreau NHCWS, PWS, CPESC Associate, Environmental Scientist

Mobile: 207 504-7231 Office: 207 406-5496 Tom.Tetreau@stantec.com

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Topsham ME 04086-1737

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From: Mauck, Ridgely <Addison.R.Mauck@des.nh.gov>

Sent: Wednesday, July 13, 2022 7:48 AM

To: Tetreau, Thomas < Tom.Tetreau@stantec.com > Cc: Friend, Ashley C < ashley.friend@eversource.com > Subject: RE: 220428-090 P145 Transmission Line Rebuild

Hi Tom,

I have no comments regarding the subject AoT permit application. I will check in with NHFG and provide you with a status on their review.

Regards, Ridge

From: Tetreau, Thomas <Tom.Tetreau@stantec.com>

Sent: Tuesday, July 12, 2022 11:08 AM

To: Mauck, Ridgely <addison.r.mauck@des.nh.gov>
Cc: Friend, Ashley C <ashley.friend@eversource.com>
Subject: RE: 220428-090 P145 Transmission Line Rebuild

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Hi Ridge,

Just checking in regarding your review of the P145 Rebuild Project's AOT application. Do you need anything else from us?

I know we are both still waiting for NHFG to accept our proposed recommendations. At their request, we've provided them with some minor revisions to the map set and wildlife protection plan that were included in the AOT application. Just waiting to hear their final recommendations.

Have you been in contact with NHFG about this project and have any guess at a timeline for approval?

Please let me know if you need any more information or have any questions for us.

Thank you!

Tom

Tom Tetreau NHCWS, PWS, CPESC Associate, Environmental Scientist Mobile: 207 504-7231 Office: 207 406-5496 Tom.Tetreau@stantec.com Stantec 30 Park Drive Topsham ME 04086-1737 The content of this email is the confidential property of Stantec and should not be copied, modified, retransmitted, or used for any purpose except with Stantec's written authorization. If you are not the intended recipient, please delete all copies and notify us immediately. From: Mauck, Ridgely <Addison.R.Mauck@des.nh.gov> Sent: Wednesday, June 1, 2022 7:04 AM **To:** Tetreau, Thomas < <u>Tom.Tetreau@stantec.com</u>> Cc: Friend, Ashley C <ashley.friend@eversource.com> Subject: RE: 220428-090 P145 Transmission Line Rebuild, Concord and Bow, NH Hi Tom, Yes, please respond directly to the LMRLAC with a copy to NHDES. We encourage LACs to communicate directly with applicants/agents. It's progress that LACs typically copy applicants/agents on their comment letters but they are still addressed to NHDES. -Ridge From: Tetreau, Thomas <Tom.Tetreau@stantec.com> Sent: Wednesday, June 1, 2022 6:48 AM To: Mauck, Ridgely <addison.r.mauck@des.nh.gov> Cc: Friend, Ashley C <ashley.friend@eversource.com> Subject: RE: 220428-090 P145 Transmission Line Rebuild, Concord and Bow, NH **EXTERNAL:** Do not open attachments or click on links unless you recognize and trust the sender. Hi Ridge, Would you like me to provide you with responses to these questions? They seem pretty straight forward. I've never had a LAC respond to an application before, so will look to you for guidance on response process. Thanks! Tom Tom Tetreau NHCWS, PWS, CPESC Project Manager / Environmental Scientist Direct: 207 406-5496 Mobile: 207 504-7231 Tom.Tetreau@stantec.com

Topsham ME 04086-1737

Stantec 30 Park Drive From: Michele L. Tremblay, naturesource communications <MLT@naturesource.net>

Sent: Tuesday, May 31, 2022 6:25 PM

To: Ridgely Mauck < ridgely.mauck@des.nh.gov>

Cc: umrlac listserve <umrlacers@merrimackriver.org>; Tracie Sales <tracie.j.sales@des.nh.gov>; Nisa Marks

<nisa.m.marks@des.nh.gov>; Tetreau, Thomas <Tom.Tetreau@stantec.com>; Ashley Ruprecht

<ashley.ruprecht@eversource.com>

Subject: 220428-090 P145 Transmission Line Rebuild, Concord and Bow, NH

Dear Mr. Mauck,

The Upper Merrimack River Local Advisory Committee's comments letter on the referenced permit application is attached.

The UMRLAC looks forward to hearing from you with responses to the questions, concerns, and recommendations. Thank you.

Sincerely,

Michele L. Tremblay, Chair Upper Merrimack River Local Advisory Committee

Michele L. Tremblay
naturesource communications
PO Box 3019 | Penacook NH 03303
603.796.2615 office landline | 902.218.2291 Canada
naturesource.net | linkedin.com/pub/Michele-L-Tremblay/22/869/523
Follow us on Facebook and Twitter
my pronouns are she, her, hers

Memo

NH Natural Heritage Bureau NHB DataCheck Results Letter

Please note: portions of this document are confidential.

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

To: Tom Tetreau, Stantec

30 Park Drive

Topsham, ME 04086

From: NHB Review, NH Natural Heritage Bureau

Date: 11/30/2021 (valid until 11/30/2022) **Re**: Review by NH Natural Heritage Bureau

Permits: MUNICIPAL POR - Concord, NHDES - Alteration of Terrain Permit, NHDES - Utility Statutory Permit by Notification (SPN), USACE - General

Permit, USEPA - Stormwater Pollution Prevention

NHB ID: NHB21-3593 Town: Concord Location: utility ROW between Farmwood Road

and Chennell Drive and Garvins Falls Road between the Soucook River and

the Merrimack

Description: Evers ource is proposing to replace 160 wooden structures within the existing P145 transmission line corridor in Concord,

Pembroke, and Bow, NH. The wooden poles are deteriorating due to age, cracking, rot, and woodpecker damage and will be replaced with similar steel structures. Existing roads and trails will be utilized to the greatest extent possible, but some new gravel roads and work pads will be created in uplands. Temporary wetland matting will be used to cross wetlands and access wetland structures. Potential vernal pools were identified during November 2021 and will be avoided. Construction is planned for Summer

2022 through Summer 2023.

cc: Kim Tuttle

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

Please note: portions of this document are confidential.

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

Comments NHB: Please indicate if existing access roads to be utilized will be improved/widened, and explain the proposed work pad method to be used. Provide a current aerial overview plan overlaid with the location of existing and proposed access roads (demarcating any existing access roads that need to be improved), work pad locations, poles (pole numbers included), and temporary wetland matting locations. Providing shapefiles of the existing and proposed access, work pad locations, poles, and temporary wetland matting locations would allow for a more comprehensive and enhanced review as there are numerous rare species occurrences located within the ROW along extensive segments. Prior to the start of work, NHB recommends surveys for species on the DataCheck Letter in areas of proposed ground disturbance and along the existing access ways, and locating and flagging out known occurrences so that they can be avoided. Finally, please indicate if any impacts to the Soucook and/or Merrimack River bed or bank are proposed.

F&G: Please submit AoT-related documents for NHFG review, AoT review inquiries or wildlife biologist questions to NHFGreview@wildlife.nh.gov. If project related: Include the NHB datacheck results letter number (i.e. NHB21-3593) in the email subject line at a minimum. Not including this number will affect our response time and delays of our review. Please include the NHB number in the title of the assessment along with a date (year,month.day).

Invertebrate Species	State ¹	Federal	Notes
Barrens Itame (Speranza exonerata)	SC		Contact the NHFish & Game Dept (see below).
Barrens Xylotype (<i>Xylotype capax</i>)	SC		Contact the NHFish & Game Dept (see below).
Karner Blue Butterfly (Plebejus melissa samuelis)	E	E	Contact the NH Fish & Game Dept and the US Fish & Wildlife Service (see below).
Phyllira Tiger Moth (Grammia phyllira)	SC		Contact the NH Fish & Game Dept (see below).
Pine Barrens Zanclognatha Moth (Zanclognatha martha)	SC		Contact the NH Fish & Game Dept (see below).
Sleepy Duskywing (Erynnis brizo brizo)	SC		Contact the NH Fish & Game Dept (see below).
Notural Community	Statel	Fodorol	Notes
Natural Community	State ¹	Federal	Notes
Natural Community Pitch pine - scrub oak woodland	State ¹	Federal 	Notes The primary threat to this natural community is development and fire suppression.
·	State ¹ State ¹		
Pitch pine - scrub oak woodland			The primary threat to this natural community is development and fire suppression.
Pitch pine - scrub oak woodland Plant species butterfly milkweed (Asclepias tuberosa ssp.	 State ¹	 Federal	The primary threat to this natural community is development and fire suppression.

NH Natural Heritage Bureau NHB DataCheck Results Letter

Please note: portions of this document are confidential.

licorice goldenrod (Solidago odora ssp. odora)

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

1 1 0		increased sedimentation or nutrients and pollutants in stormwater runoff.
Houghton's umbrella sedge (Cyperus houghtonii)*	E	 Threats include destruction of natural habitat, fire suppresion and/or succession, trampling by hikers, and off-road vehicles. However, since the plants require open habitat, some disturbances (e.g., logging, mowing, and even off-road vehicle use) could actually benefit populations. Site-specific evaluation of conditions will aid in the conservation of this species.

red threeawn (Aristida longespica var. geniculata)	Т	 The pond or lake shore natural communities where this species occurs are extremely vulnerable to trampling, and tend to disappear from areas that experience even moderate recreational use. They are also vulnerable to changes to the lake's hydrology. Additional habitats include sandplains and disturbed openings.
	_	

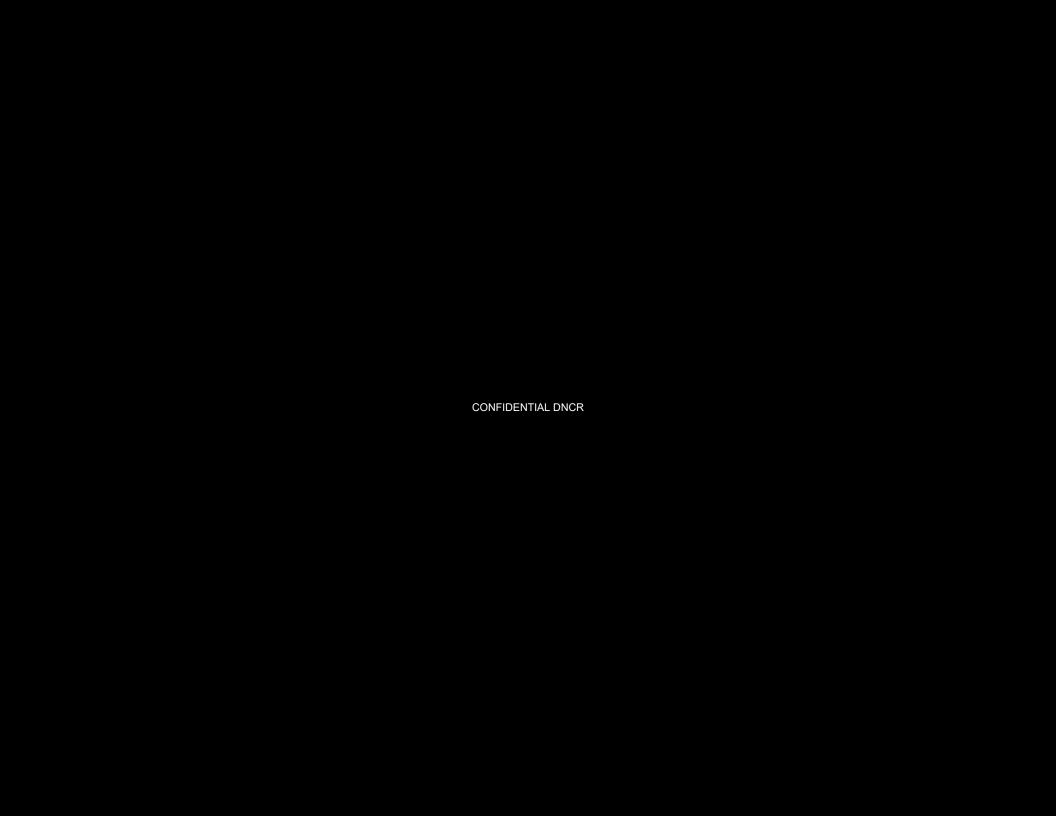
upright false bindweed (Calystegia spithamaea ssp.	Е	
spithamaea)		
wild lupine (Lupinus perennis ssp. perennis)	T	

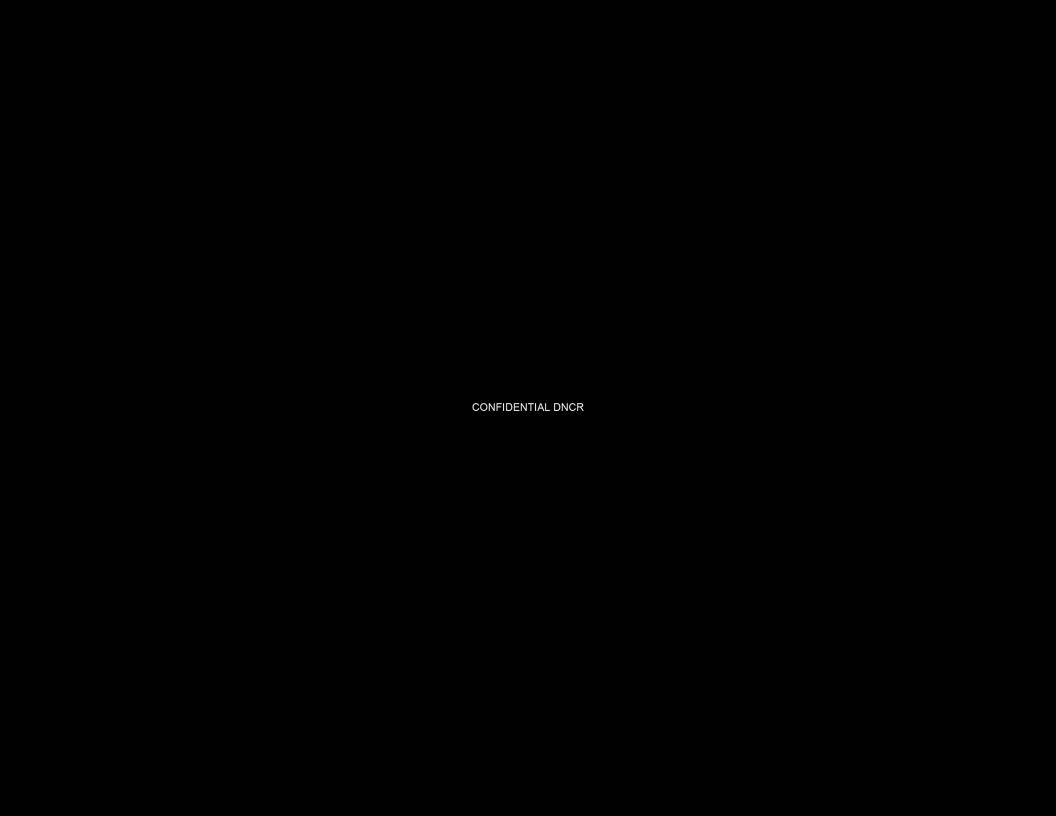
Vertebrate species	State ¹	Federal	Notes
Blanding's Turtle (Emydoidea blandingii)	E		Contact the NH Fish & Game Dept (see below).
Common Nighthawk (Chordeiles minor)	E		Contact the NH Fish & Game Dept (see below).
Eastern Hognose Snake (Heterodon platirhinos)	E		Contact the NH Fish & Game Dept (see below).
Fowler's Toad (Anaxyrus fowleri)	T		Contact the NH Fish & Game Dept (see below).
Northern Black Racer (Coluber constrictor constrictor)	T		Contact the NH Fish & Game Dept (see below).
Northern Leopard Frog (Lithobates pipiens)	SC		Contact the NH Fish & Game Dept (see below).
Smooth Green Snake (Opheodrysvernalis)	SC		Contact the NH Fish & Game Dept (see below).
Spotted Turtle (Clemmys guttata)	T		Contact the NH Fish & Game Dept (see below).
Wood Turtle (Glyptemys insculpta)	SC		Contact the NH Fish & Game Dept (see below).

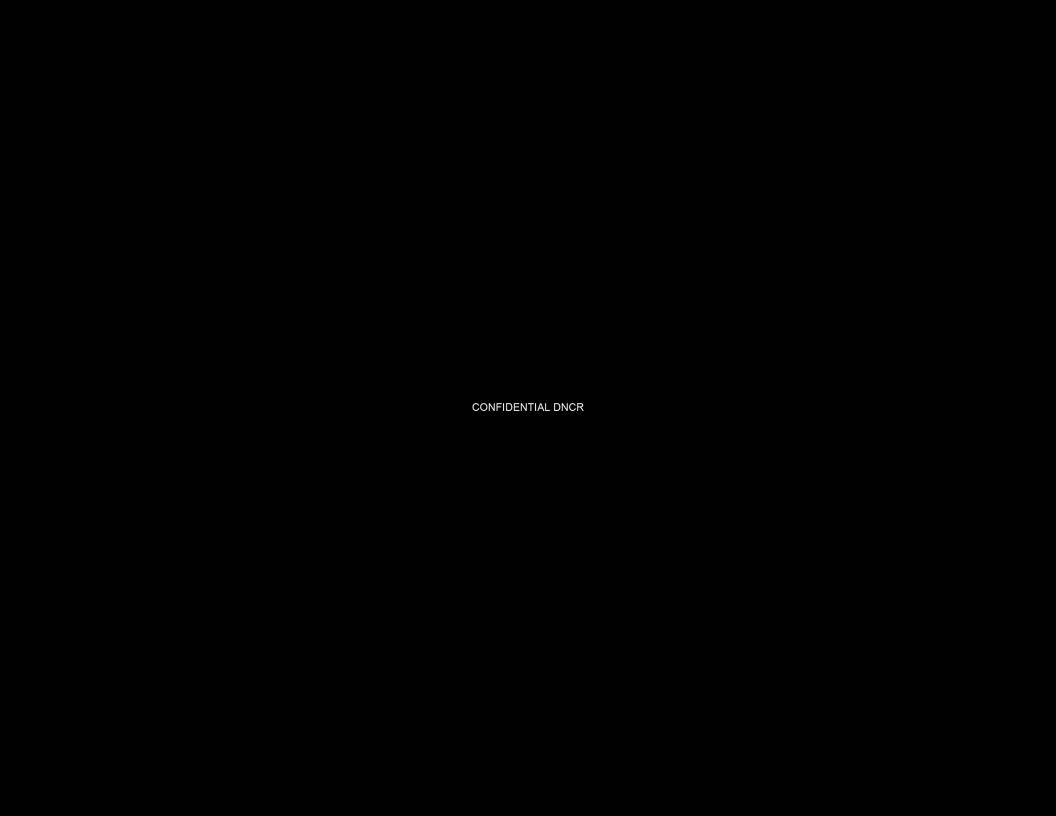
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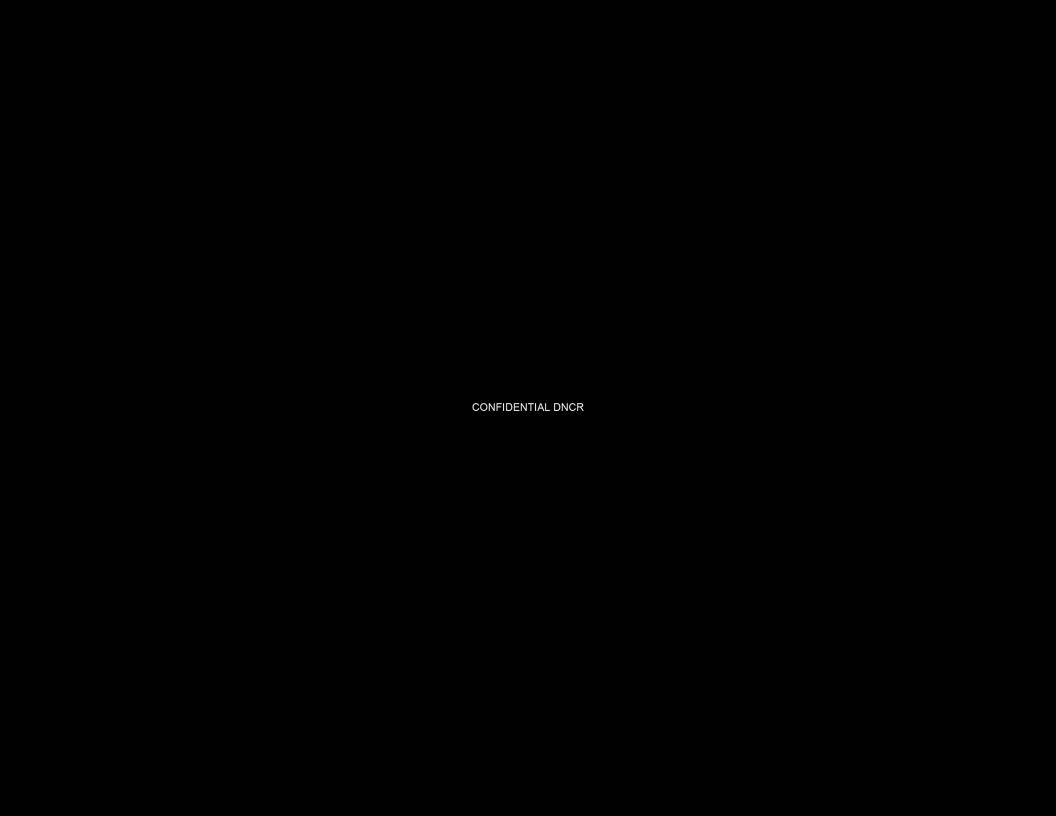
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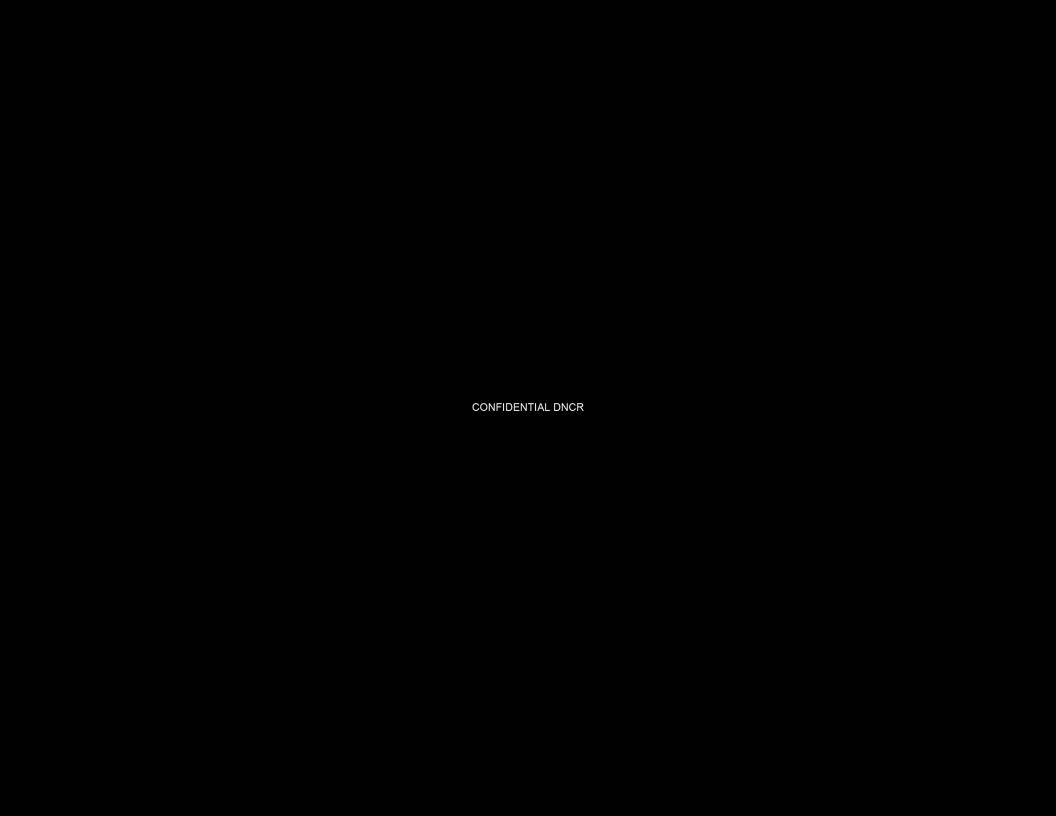
A negative result (no record in our database) does not mean that a sensitive species is not present. Our data can only tell you of known occurrences, based on information gathered by qualified biologists and reported to our office. However, many areas have never been surveyed, or have only been surveyed for certain













Memo

NH Natural Heritage Bureau NHB DataCheck Results Letter

Please note: portions of this document are confidential.

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

To: Tom Tetreau. Stantec

30 Park Drive

Topsham, ME 04086

From: NHB Review, NH Natural Heritage Bureau

Date: 11/23/2021 (valid until 11/23/2022) **Re**: Review by NH Natural Heritage Bureau

Permits: MUNICIPAL POR - Bow, NHDES - Alteration of Terrain Permit, NHDES - Utility Statutory Permit by Notification (SPN), USACE - General

Permit, USEPA - Stormwater Pollution Prevention

NHB ID: NHB21-3594 Town: Bow Location: utility ROW between Garvins Falls

Dam and Merrimack Station off River

Road

Description: Evers ource is proposing to replace 160 wooden structures within the existing P145 trans mission line corridor in Concord,

Pembroke, and Bow, NH. The wooden poles are deteriorating due to age, cracking, rot, and woodpecker damage and will be replaced with similar steel structures. Existing roads and trails will be utilized to the greatest extent possible, but some new gravel roads and work pads will be created in uplands. Temporary wetland matting will be used to cross wetlands and access wetland structures. Potential vernal pools were identified during November 2021 and will be avoided. Construction is planned for Summer

2022 through Summer 2023.

cc: Kim Tuttle

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

Comments NHB: Please provide an aerial plan overlaid with existing and proposed access routes, proposed work pad locations, proposed wetland matting locations, pole locations and numbers, and the locations of wetlands. Please also provide representative photos of the ROW. Will any work occur within the Merrimack River bank?

F&G: Please sendsimple Google Farth maps showing poles to be replaced and how they will be accessed. Please describe wetland impacts when they become available.

Invertebrate Species State¹ Federal Notes

Rapids Clubtail (Gomphus quadricolor) SC Contact the NH Fish & Game Dept (see below). Please note: portions of this document are confidential.

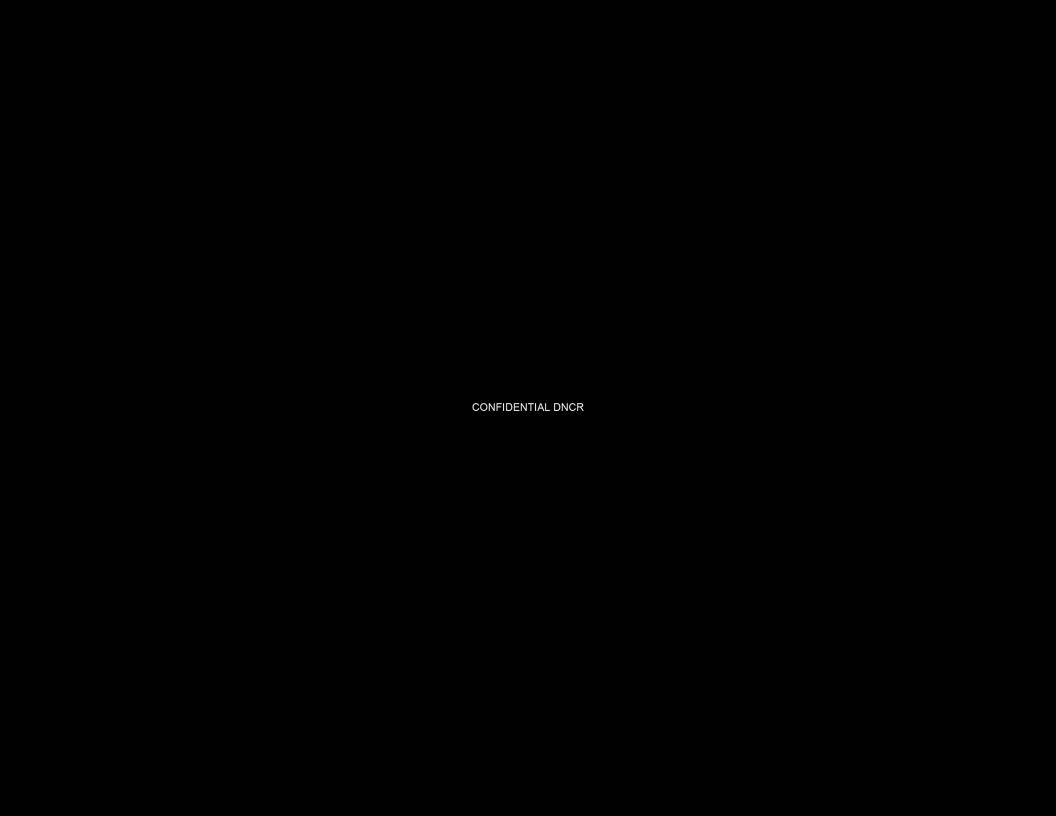
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Natural Community	State ¹	Federal	Notes
Acidic riverside seep			Seep communities are very sensitive to physical disturbance of their moist soils, to changes in local hydrology, and to increased inputs of sediments, pollutants, or nutrients.
Plant species	State ¹	Federal	Notes
golden heather (Hudsonia ericoides)*	E		Probably sensitive to trampling. Shade-intolerant.
Houghton's umbrella sedge (Cyperus houghtonii)*	E		Threats include destruction of natural habitat, fire suppresion and/or succession, trampling by hikers, and off-road vehicles. However, since the plants require open habitat, some disturbances (e.g., logging, mowing, and even off-road vehicle use) could actually benefit populations. Site-specific evaluation of conditions will aid in the conservation of this species.
incurved umbrella sedge (Cyperus squarrosus)	T		Changes to local hydrology, or recreational activities along the shoreline, could threaten this species, which occurs on river or streambanks
Vertebrate species	State ¹	Federal	Notes
Blanding's Turtle (Emydoidea blandingii)	E		Contact the NH Fish & Game Dept (see below).
Eastern Hognose Snake (Heterodon platirhinos)	E		Contact the NH Fish & Game Dept (see below).
Fowler's Toad (Anaxyrus fowleri)	T		Contact the NH Fish & Game Dept (see below).
Northern Black Racer (Coluber constrictor constrictor)	T		Contact the NH Fish & Game Dept (see below).
Northern Leopard Frog (Lithobates pipiens)	SC		Contact the NH Fish & Game Dept (see below).
Peregrine Falcon (Falco peregrinus anatum)	T		Contact the NH Fish & Game Dept (see below).
Wood Turtle (Glyptemys insculpta)	SC		Contact the NH Fish & Game Dept (see below).

¹Codes: "E" = Endangered, "T" = Threatened, "SC" = Special Concern, "--" = an exemplary natural community, or a rare species tracked by NH Natural Heritage that has 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.

Contact for all animal reviews: Kim Tuttle, NHF&G, (603) 271-6544.

A negative result (no record in our database) does not mean that a sensitive species is not present. Our data can only tell you of known occurrences, based on information gathered by qualified biologists and reported to our office. However, many areas have never been surveyed, or have only been surveyed for certain species. An on-site survey would provide better information on what species and communities are indeed present.





Memo

NH Natural Heritage Bureau NHB DataCheck Results Letter

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To: Tom Tetreau, Stantec

30 Park Drive

Topsham, ME 04086

From: NHB Review, NH Natural Heritage Bureau

Date: 11/30/2021 (valid until 11/30/2022) **Re**: Review by NH Natural Heritage Bureau

Permits: MUNICIPAL POR - Pembroke, NHDES - Alteration of Terrain Permit, NHDES - Utility Statutory Permit by Notification (SPN), USACE - General

Permit, USEPA - Stormwater Pollution Prevention

NHB ID: NHB21-3595 Town: Pembroke Location: utility ROW between Soucook River,

southwest of Route 3/Pembroke Street and Soucook River, north of Riverwood

Driv

Description: Eversource is proposing to replace 160 wooden structures within the existing P145 transmission line corridor in Concord,

Pembroke, and Bow, NH. The wooden poles are deteriorating due to age, cracking, rot, and woodpecker damage and will be replaced with similar steel structures. Existing roads and trails will be utilized to the greatest extent possible, but some new gravel roads and work pads will be created in uplands. Temporary wetland matting will be used to cross wetlands and access wetland structures. Potential vernal pools were identified during November 2021 and will be avoided. Construction is planned for Summer

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cc: Kim Tuttle

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

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Comments NHB: Please indicate if existing access roads to be utilized will be improved/widened, and explain the proposed work pad method to be used. Provide a current aerial overview plan overlaid with the location of existing and proposed access roads (demarcating any existing access roads that need to be improved), work pad locations, poles (pole numbers included), and temporary wetland matting locations. Providing shapefiles of the existing and proposed access, work pad locations, poles, and temporary wetland matting locations would allow for a more comprehensive and enhanced review as there are numerous rare species occurrences located within the ROW along extensive segments. Prior to the start of work, NHB recommends surveys for species on the DataCheck Letter in areas of proposed ground disturbance and along the existing access ways, and locating and flagging out known occurrences so that they can be avoided. Finally, please indicate if any impacts to the Soucook and/or Merrimack River bed or bank are proposed.

F&G: Please submit AoT-related documents for NHFG review, AoT review inquiries or wildlife biologist questions to NHFGreview@wildlife.nh.gov. If project related: Include the NHB datacheck results letter number (i.e. NHB21-3595) in the email subject line at a minimum. Not including this number will affect our response time and delays of our review. Please include the NHB number in the title of the assessment along with a date (year, month, day).

Invertebrate Species	State ¹	Federal	Notes
Barrens Xylotype (<i>Xylotype capax</i>)	SC		Contact the NH Fish & Game Dept (see below).
Karner Blue Butterfly (Plebejus melissa samuelis)	E	E	Contact the NH Fish & Game Dept and the US Fish & Wildlife Service (see below).
Pine Barrens Zanclognatha Moth (Zanclognatha martha)	SC		Contact the NH Fish & Game Dept (see below).
Sleepy Duskywing (Erynnis brizo brizo)	SC		Contact the NH Fish & Game Dept (see below).
Natural Community	State ¹	Federal	Notes
Pitch pine - scrub oak woodland			The primary threat to this natural community is development and fire suppression.
Plant species	State ¹	Federal	Notes
butterfly milkweed (Asclepias tuberosa ssp. tuberosa)	E		
clasping milkweed (Asclepias amplexicaulis)	T		This species grows in sandplains and disturbed openings, and is sensitive to disturbances that eliminate its habitat.
golden heather (Hudsonia ericoides)*	E		Probably sensitive to trampling. Shade-intolerant.
hollow Joe-Pye weed (Eutrochium fistulosum)	E		Threats include changes to the hydrology (e.g., water levels) of its habitat and increased sedimentation or nutrients and pollutants in stormwater runoff.

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Houghton's umbrella sedge (Cyperus houghtonii)*	Е	 Threats include destruction of natural habitat, fire suppression and/or succession, trampling by hikers, and off-road vehicles. However, since the plants require open habitat, some disturbances (e.g., logging, mowing, and even off-road vehicle use) could actually benefit populations. Site-specific evaluation of conditions will aid in the conservation of this species.
licorice goldenrod (Solidago odora ssp. odora)	T	
red threeawn (Aristida longespica var. geniculata)	Т	 The pond or lake shore natural communities where this species occurs are extremely vulnerable to trampling, and tend to disappear from areas that experience even moderate recreational use. They are also vulnerable to changes to the lake's hydrology. Additional habitats include sandplains and disturbed openings.
upright false bindweed (Calystegia spithamaea ssp. spithamaea)	E	

Vertebrate species	State ¹	Federal	Notes
Blanding's Turtle (Emydoidea blandingii)	E		Contact the NH Fish & Game Dept (see below).
Common Nighthawk (Chordeiles minor)	E		Contact the NH Fish & Game Dept (see below).
Eastern Hognose Snake (Heterodon platirhinos)	E		Contact the NH Fish & Game Dept (see below).
Northern Black Racer (Coluber constrictor constrictor)	T		Contact the NH Fish & Game Dept (see below).
Smooth Green Snake (Opheodrysvernalis)	SC		Contact the NH Fish & Game Dept (see below).
Wood Turtle (Glyptemys insculpta)	SC		Contact the NH Fish & Game Dept (see below).

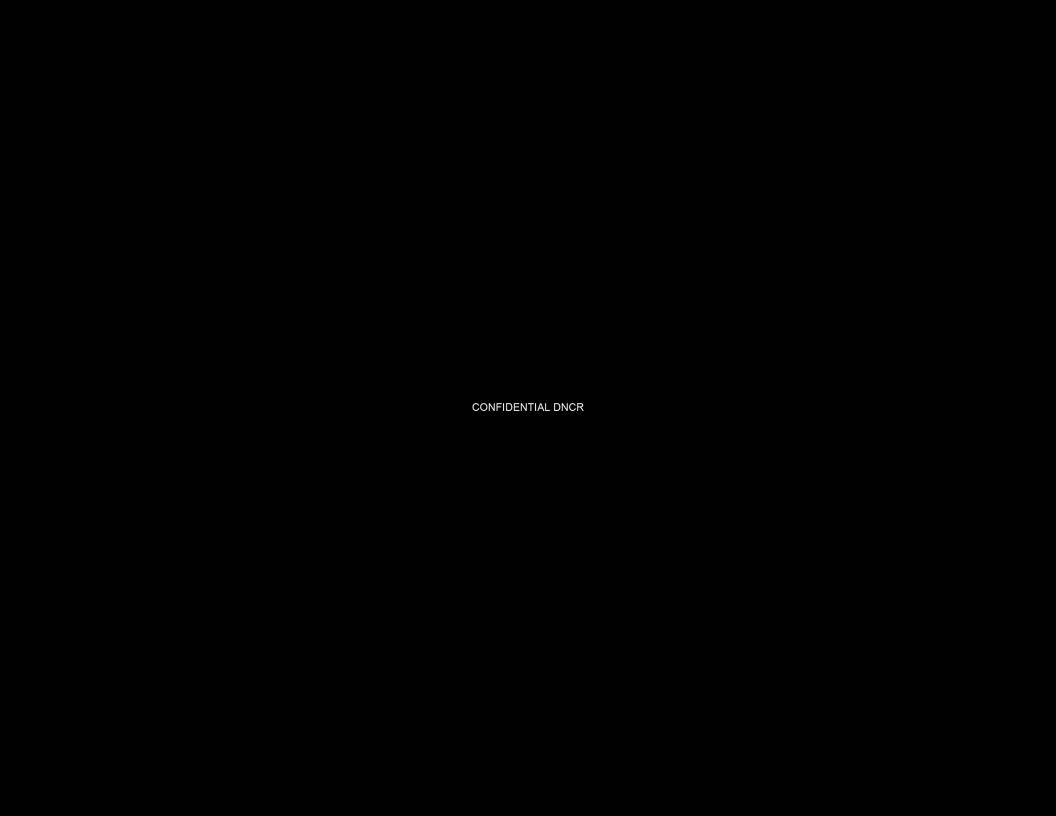
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wild lupine (*Lupinus perennis ssp. perennis*)





Redaction Log

Total Number of Redactions in Document: 111

Redaction Reasons by Page

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91	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
92	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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103	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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