CENTRAL MAINE POWER

December 30, 2020

Mr. James R. Beyer
Maine Department of Environmental Protection
Bureau of Land Resources Regulation
106 Hogan Road
Bangor, ME 04401

Mr. Jay Clement
U.S. Army Corps of Engineers
Maine Project Office
442 Civic Center Drive, Suite 350
Augusta, Maine 04330

RE: New England Clean Energy Connect; Minor Revision of Department Order #L-27625-26- A-N, L-27625-TB-B-N, L-27625-2C-C-N, L-27625-VP-D-N, L-27625-IW-E-N; USACE Permit NAE-2017-01342

Dear Mr. Beyer and Mr. Clement:

Central Maine Power Company (CMP) and NECEC Transmission LLC (NECEC LLC) are hereby submitting a minor revision application (REV 1) to the Site Location of Development Act (Site Law) permit and the Natural Resources Protection Act (NRPA) permit for the New England Clean Energy Connect (NECEC) Project approved on May 11, 2020. CMP and NECEC LLC are also providing this revision application to the United States Army Corps of Engineers (USACE) for its consideration under Department of the Army Permit NAE-2017-01342, pursuant to special condition 8.

CMP and NECEC LLC's application herein reflects a significant decrease in environmental impact, will not result in an expansion or change the nature of the Project, and does not modify any Maine Department of Environmental Protection (MDEP) findings with respect to any licensing criteria.

With respect to the USACE permit, the proposed minor revision does not meet the thresholds for re-initiation of consultation under either Section 106 of the National Historic Preservation Act or Section 7 of the Endangered Species Act. No new historic properties have been discovered and no new effects to historic resources are anticipated. Similarly, both the defined Action Area and the assessment of effects to threatened and endangered species and critical habitat, previously considered and evaluated during informal Section 7 consultation, remain unchanged; there will be no different or additional effects.

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The revisions included in this application are summarized below:

- renumbering of the HVDC transmission line from Section 3006 to Section 432;
- minor design changes associated with pole design and location refinements related to impact avoidance/minimization, observed setbacks and buffers, and municipal permitting requirements (e.g., moving poles out of resource protection districts and/or the shoreland zone);
- minor modifications to in-corridor temporary access roads associated with pole location refinements and off right-of-way (ROW) access points;
- minor re-route near Bowman Airfield in Livermore Falls;
- minor corridor expansion adjacent to a portion of Section 3007 in Lewiston; and,
- minor modifications to Merrill Road Converter Station and West Forks and Moxie Gore Termination Stations.

In addition to the Minor Revision Application Form, the REV 1 application consists of:

- evidence of title, right, or interest in added properties;
- revised visual impact evaluations associated with pole location refinements and associated transmission line span configurations;
- revised wildlife and fisheries resources tables;
- demonstration of no adverse effect on cultural resources associated with Project modifications;
- revised stormwater plans;
- revised Site Conditions table;
- updated Basic Standards Submissions;
- revised natural resource maps; and
- revised Wetland Summary and Compensation Summary Tables.

The Site Law and NRPA sections affected by these changes and addressed in REV 1 are summarized below:

Site Law and NRPA – Section 1 and Chapter 1
Includes a description of changes resulting from advancement of the Project engineering from Issued for Permit (IFP) to Issued for Construction (IFC) design level and the associated modifications summarized above.

Site Law Title, Right, or Interest – Section 2
A summary of title, right, or interest including the associated deeds for properties added to the Project.

Site Law Visual Quality and Scenic Character – Section 6
TJD&A, Inc. (TJDA) has reviewed the IFC design for the Project and has revised the affected photosimulations and updated the visual impact ratings accordingly. TJD&A's evaluation is summarized and reflected in the included appendices and in Exhibits 6-1 and 6-2.

Site Law Wildlife and Fisheries – Section 7
The revisions to Exhibits 7-2, 7-3, 7-5, 7-6, and 7-7 are intended to replace the tables previously filed with the MDEP and USACE.

Site Law Historic Resources – Section 8
SEARCH Inc. (SEARCH) conducted a desktop review of the IFC design for the Project. No new potential above ground cultural or historic resources were noted. SEARCH evaluated 17 archaeologically sensitive areas (SAs) for pedestrian reconnaissance as a result of its desktop review. Addendum 6 to SEARCH's Archaeological Resources Identification Survey Report and a technical memorandum regarding impacts to above ground historic resources under the IFC design are provided as Exhibits 8-1 and 8-2, respectively.

Site Law Unusual Natural Areas – Section 9
Changes associated with REV 1 result in no additional impact to rare plants or rare and exemplary natural community types. Nevertheless, the Project has addressed this section in the minor revision application with respect to an inaccuracy in the MDEP Order associated with the Hardwood River Terrace Forest community type near the proposed Bowman Airfield Reroute in Livermore Falls.

Site Law Stormwater – Section 12
Stormwater narratives, calculations and plans are included for the proposed modifications at the Merrill Road Converter Station in Lewiston and the Kennebec River crossing termination stations in West Forks Plantation and Moxie Gore.

Site Law Basic Standards Submission – Section 14
As required by the MDEP during the processing of the original application, Segment 1 of the Project was evaluated using a GIS analysis of both soil types (soils classified as highly erodible or potentially highly erodible) and percent slope (>22%) to identify areas requiring additional inspection and erosion and sedimentation control practices. This information was incorporated into Appendix G of the MDEP Order. As a result of the renumbering of the HVDC transmission line from Section 3006 to Section 432, structure renumbering, and pole location refinements, CMP and NECEC LLC are providing a revision to Appendix G -Table of Areas Requiring Additional Erosion Control Measures.

Site Law Groundwater, Water Supply and Wastewater Disposal – Sections 15, 16, and 17
These sections have been updated to address the proposed addition of a drilled well and sanitary facilities at the Merrill Road Converter Station.

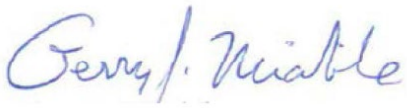
NRPA and Site Law Project Plans – Chapter 5 and Section 27
REV 1 contains a full set of revised natural resource maps. This set of maps is intended to replace the full set of maps, previously filed with the MDEP and USACE, in its entirety.

NRPA Site Conditions – Chapter 9
The revisions to Exhibit 9-10 Wetland Summary Table is intended to replace the table previously filed with the MDEP and USACE.

NRPA Compensation – Chapter 13
The design changes summarized above, and described in this permit revision application, have necessitated recalculation of natural resource impacts, resulting in a net reduction in impacts to protected natural resources. Table 13-1 summarizes the resource impact changes between the MDEP Permit and the proposed modifications in this revision application. Revisions to the NECEC Compensation Plan, Exhibit 1-4 Compensation Package Summary and Exhibit 1-5 In-Lieu Fee Summary, are provided.

If you have any questions regarding this submittal, please give me a call at (207) 242-1682 or email me at gerry.mirabile@cmpco.com.

Sincerely,



Gerry J. Mirabile
Manager – NECEC Permitting
AVANGRID Networks, Inc.

Enclosures
cc: Jay Clement, USACE
Melissa Pauley, USDOE
File: New England Clean Energy Connect

DEPARTMENT OF ENVIRONMENTAL PROTECTION
Bureau of Land and Water Quality

FOR DEP USE

#L- _____
ATS #_____
Fees Paid _____
Date Received _____

MINOR REVISION APPLICATION

For Site Location, Natural Resources Protection Act & Stormwater Projects

This form shall be used for minor revisions to a project that has received previous Site Law, NRPA or Stormwater Law approval from the Department, where the revision(s) significantly decreases or eliminates an environmental impact, does not significantly expand the project, does not change the nature of the project or does not modify any Department findings with respect to any licensing criteria. If significant project changes are proposed, then an amendment application will be required by the Department.

Please contact the DEP for current fee schedule information. The fee schedule is updated every November 1. The fee is payable to "Treasurer, State of Maine", and **MUST** accompany the application.

Please type or print in black ink only

1. Name of Applicant:	Central Maine Power Company/ NECEC Transmission LLC	**5. Name of Agent:**	Burns & McDonnell/Mark Goodwin
2. Applicant's Mailing Address:	83 Edison Drive, Augusta, ME 04336 / One City Center 5th Floor, Portland, Maine 04101	**6. Agent's Mailing Address:**	27 Pearl Street, Portland, Maine 04101
3. Applicant's Daytime Phone #:	(207) 242-1682	**7. Agent's Daytime Phone #:**	(207) 800-9554
4. Applicant e-mail address (REQUIRED):	gerry.mirabile@cmpco.com	**8. Agent e-mail address (REQUIRED):.**	magoodwin@burnsmcd.com
LOCATION OF ACTIVITY			
9. Name of Project:	New England Clean Energy Connect (NECEC)		
10. Name of Town where project is located:	Various	**11. County:**	Various
REQUIRED INFORMATION:			
12. Existing DEP permit number:	See attached cover letter for Order #'s	**13. DEP Project Manager for previous application (if known):**	James Beyer
14. Description of Proposed Change: (Use additional sheet, if necessary)	Project refinements primarily associated with Issued for Permit to Issued for Construction engineering design progression.		

Provide all documentation necessary to support the proposed change. This documentation should include, as appropriate, revised site plans, construction drawings, and technical data such as HHE-200 forms. (If you are unsure of what information to include, please contact the original DEP project manager, or the Division of Land Resource Regulation in the appropriate regional office for assistance.)

This completed application form, fee and all supporting documents summarized above shall be sent to the appropriate DEP Office in Augusta, Portland or Bangor.

Bureau of Land and Water Quality 17 State House Station Augusta, ME 04333 Tel: (207) 287-3901	Bureau of Land and Water Quality 312 Canco Road Portland, ME 04103 Tel: (207) 822-6300	Bureau of Land and Water Quality 106 Hogan Road Bangor, ME 04401 (207) 941-4570

CERTIFICATIONS / SIGNATURES on PAGE 2

IMPORTANT: IF THE SIGNATURE BELOW IS NOT THE APPLICANT'S SIGNATURE, ATTACH LETTER OF AGENT AUTHORIZATION SIGNED BY THE APPLICANT.

By signing below the applicant (or authorized agent), certifies that he or she has read and understood the following :

CERTIFICATIONS / SIGNATURES

"I certify under penalty of law that I have personally examined the information submitted in this document and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the information is true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I authorize the Department to enter the property that is the subject of this application, at reasonable hours, including buildings, structures or conveyances on the property, to determine the accuracy of any information provided herein.

Further, I hereby authorize the DEP to send me an electronically signed decision on the license I am applying for with this application by e-mailing the decision to the electronic address located on the front page of this application (see #4 and #8)"

Signed: Gerry J. Michile **Title:** Manager-NECEC Permitting **Date:** 12/30/2020

Notice of Intent to Comply with Maine Construction General Permit	**If over one acre of new disturbance will result as part of the proposed minor revision, please sign here acknowledging that with this minor revision form and signature below, I am filing notice of my intent to carry out work which meets the requirements of the Maine Construction General Permit. I have read and will comply with all of the MCGP standards.** **Signed** Gerry J. Michile **Date:** 12/30/2020

NOTE: If a Notice of Intent is required, you must file a Notice of Termination (NOT form available from the Department) within 20 days of completing permanent stabilization of the project site.

NECEC –Minor Revision – Site Location of Development

Table 1 - Summary of Site Law Application Revisions		
Site Law Sections & Title	*Affects Site Law Approval? (Yes/No)*	*Information Provided Below*
Section 1 - Development Description	**Yes**	**See 1.0**
Section 2 - Title, Right or Interest	**Yes**	**See 2.0, Exhibit 2-1**
Section 3 - Financial Capacity	No	
Section 4 - Technical Ability	No	
Section 5 - Noise	No	
Section 6 - Visual Quality and Scenic Character	**Yes**	**See 6.0, Exhibits 6-1 to 6-4**
Section 7 - Wildlife and Fisheries	**Yes**	**See 7.0, Exhibits 7-2, 7-3, 7-5, 7-6 and 7-7**
Section 8 - Historic Sites	**Yes**	**See 8.0, Exhibits 8-1 and 8-2**
Section 9 - Unusual Natural Areas	**Yes**	**See 9.0**
Section 10 - Buffers	No	
Section 11 - Soils	No	
Section 12 - Stormwater Management	**Yes**	**See 12.0, Exhibit 12-1 and 12-2**
Section 13 - Urban Impaired Streams	No	
Section 14 - Basic Standards Submissions	**Yes**	**See 14.0**
Section 15 - Groundwater	**Yes**	**See 15.0**
Section 16 - Water Supply	**Yes**	**See 16.0**
Section 17 - Wastewater Disposal	**Yes**	**See 17.0**
Section 18 - Solid Waste	No	
Section 19 - Flooding	No	
Section 20 - Blasting	No	
Section21 - Air Emissions	No	
Section 22 - Odors	No	
Section 23 - Water Vapor	No	
Section 24 - Sunlight	No	
Section 25 - LUPC Certification	No	
Section 26 - Notices	No	
Section 27 - Project Plans	**Yes**	**See 27.0, Attachment 1**

NECEC – Site Law Minor Revision – Supplemental Information

1.0 - Development Description

Central Maine Power Company's (CMP) and NECEC Transmission LLC's (NECEC LLC) engineered design for the New England Clean Energy Connect (NECEC) Project (the "Project") has progressed from Issued for Permit (IFP) design level to the Issued for Construction (IFC) design level. A description of the associated revisions is provided below.

Transmission Line Design and Access Road Modifications

IFP to IFC Design Revisions

Modifications between the issued for permitting (IFP)and issued for construction (IFC) design levels address environmental constraints and considerations discussed throughout the Maine Department of Environmental Protection (MDEP) and United States Army Corps of Engineers (USACE) review process and have resulted in further avoidance and minimization of impacts to jurisdictional resources within the Project area, through refinement of pole placement and pole diameters and associated temporary and permanent footprints, and through minor corrections to the corridor, clearing limits, and centerline alignments. In addition, pole location refinements throughout the Project design have maximized the observance of setbacks and riparian buffers to the extent practicable and take into consideration compliance with municipal zoning requirements.

Additionally, CMP and NECEC LLC have renumbered the high-voltage direct current (HVDC) transmission line from Section 3006 to Section 432 and renumbered the transmission line structures. Minor adjustments to in-corridor temporary access ways have also been made to accommodate the pole location refinements associated with the IFC design and have been optimized to take advantage of public and private off right-of-way access points to which CMP and NECEC LLC have title, right, or interest (TRI). See Section 2.0 for updated TRI documentation.

Appendix G, Table of Areas Requiring Additional Erosion Control Measures, of the Department Order approving the Project (the "MDEP Permit") has been revised to reflect the Section 432 structure numbers that correspond with Section 3006 structure numbers. The revised table is provided in Section 14.0.

A complete set of updated natural resource maps required by Site Law Section 27.0 and Natural Resources Protection Act (NRPA) Chapter 5.0 are provided as Attachment 1.

Section 432 Bowman Airfield Reroute

A 0.62-mile portion of transmission line adjacent to the Bowman Airfield in Livermore Falls has been re-routed to the west (see Figure 1-1) of the existing corridor. The permitted design of the transmission line, in the vicinity of Bowman Airfield (B10) follows a path parallel to the existing transmission line Sections 200 and 251 (on the eastern side of the corridor, nearest the airfield) within CMP held right-of-way. The IFP design utilized this route to avoid the additional acquisition of land and impact to land/landowners outside of the right-of-way, and was the most effective use of right-of-way width. CMP contracted a Federal Aviation Administration (FAA) consultant to aid in the aeronautical impact study of this portion of the Project.

Due to the proposed transmission line's proximity to the airfield the aeronautical impact study ultimately determined the reroute was required to reduce aeronautical risk and increase structure distance from the glide path to improve safety. The re-route of the proposed transmission line near Bowman Airfield implements the minimum height structure design and is offset by a calculated distance west from the IFP route to allow for the defined aeronautical surfaces to gain elevation as they rise in an outward direction from the airfield surface. Aligning with Project goals of efficient use of land and minimizing impact to landowners, the reroute near Bowman Airfield is the most effective use of land while conforming to FAA restrictions.

Section 3007 Corridor Widening

As described in CMP's September 2017 application, a partial rebuild of 0.8 mile of 34.5kV[1] Section 72 Alternating Current (AC) Transmission Line outside of the Larrabee Road Substation is required to make room in the corridor for the 1.2 mile Section 3007 345kV Transmission Line connecting the Merrill Road Converter Station to the Larrabee Road Substation. Three parcels have been acquired in fee near the intersection of the corridor originally containing Section 72 and the new Section 3007 alignment (see Figure 1-2), to provide adequate room for construction and to allow the required vegetation management clearance from the edge of the ROW to the Section 3007 conductors adjacent to Structure 3007-8.

[1] The MDEP Permit incorrectly cites the voltage as 345kV. Transmission lines of less than 100kV are exempt from Site Law.

Figure 1-1: Bowman Airfield Re-Route

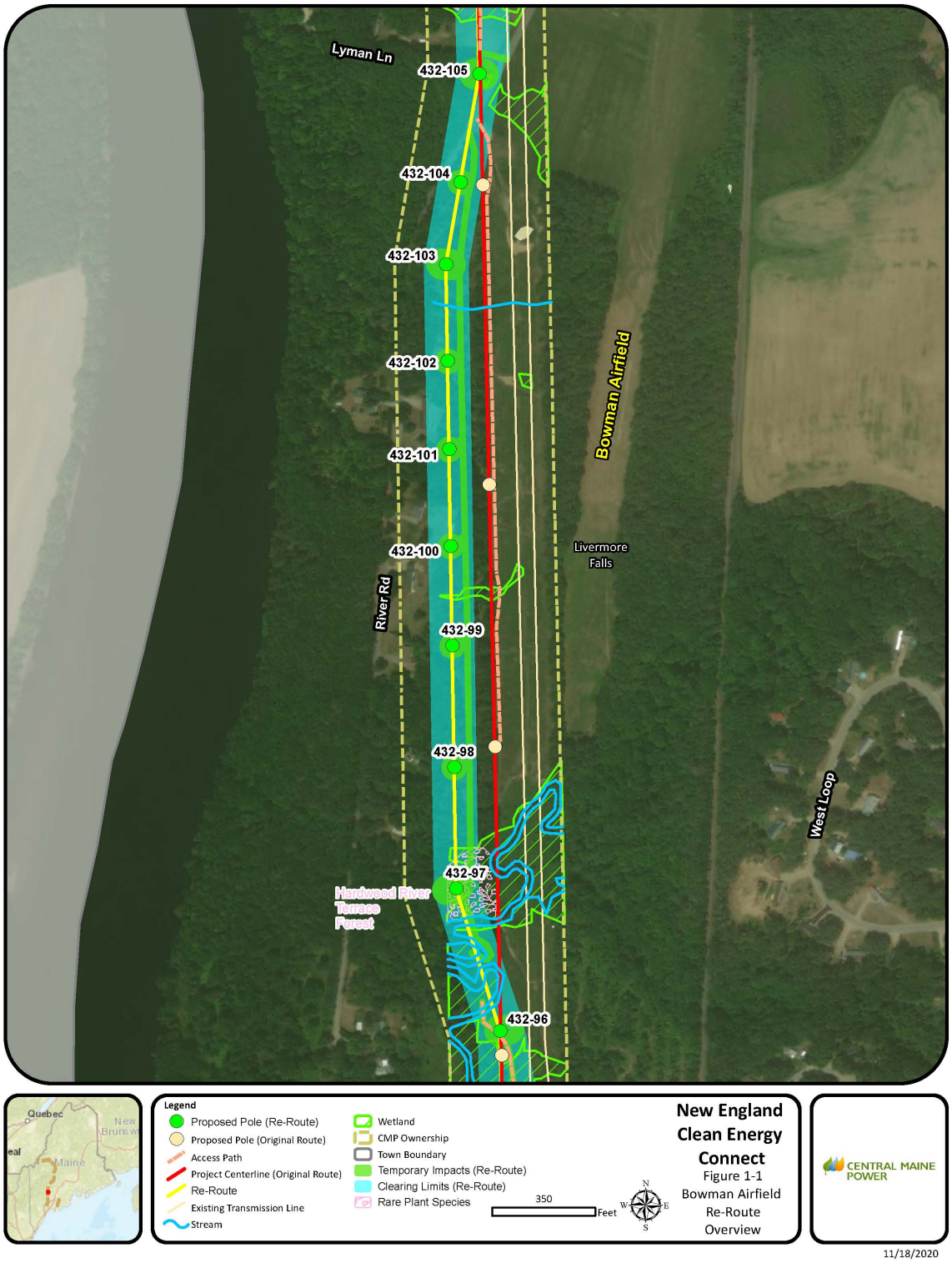
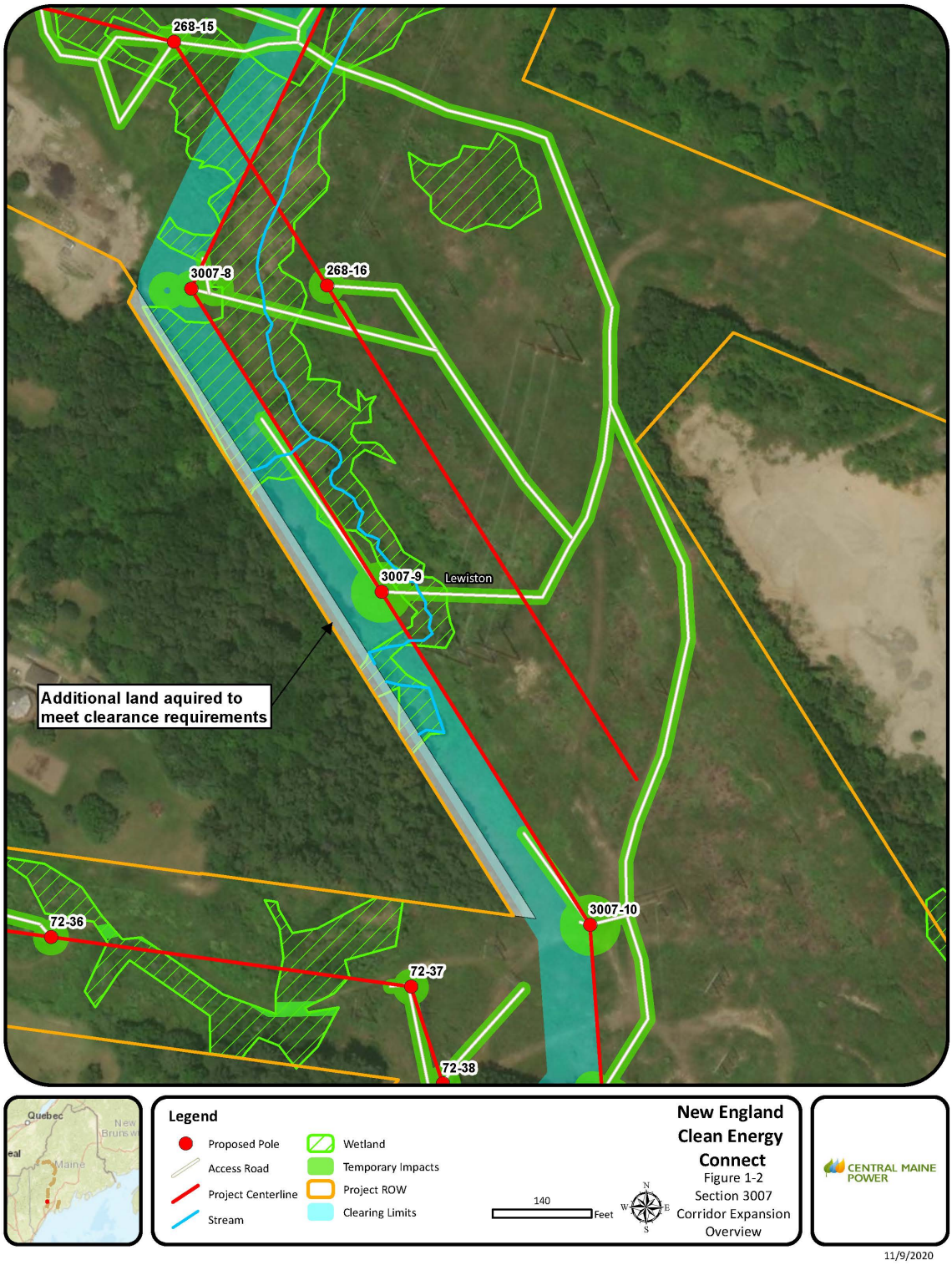


Figure 1-2. Section 3007 Corridor Expansion.



Converter Station and Termination Station Modifications

Merrill Road Converter Station

CMP is proposing a modification to the permanent access road associated with the Merrill Road Converter Station as well as modifications to the final grade of the converter station yard and surrounding area. See Figure 1-3. Additionally, CMP and NECEC LLC are proposing to install a well and wastewater holding tank on the site.

The access road has been shortened by 456 feet, reducing the overall extent of disturbance. This more direct route provides larger radii horizontal curves, thus allowing a narrower road width and overall smaller footprint and narrower wetland crossing, thereby reducing permanent wetland fill in WOSS by 0.714 acre. These modifications result in changes to two vernal pool habitats, but compensation for the full loss of these pools was required by the IFP design and has already been compensated for through payment of the In-Lieu Fee (ILF). See Section 13.0 of the NRPA minor revision application section for additional discussion.

CMP's proposed modification to the civil design of the converter station site will reduce the slope of the site (from 2% to 0.75%) to eliminate the need for a terraced yard surface. This modification will not increase or significantly change the limits of disturbance. It will provide lower entrance grades which will create safer ingress and egress by increasing overhead clearances beneath the adjacent transmission lines.

Kennebec River Crossing Termination Stations

CMP is requesting a modification of the West Forks and Moxie Gore termination station footprints by increasing the fence line dimensions to 175'x195' instead of the original permitted 135'x135'. The new pad size will be 10' bigger to account for 5' envelope that will extend outside the fence on each side for a total footprint of 185'x205'. The change in size is primarily to incorporate ballistic protection for security purposes and to improve maintenance access to the cable terminators. Additionally, CMP has redesigned the access road entrances at both termination stations primarily as a result of the increased site dimensions. The access road at the Moxie Gore termination station also provides continued access for the landowners south of the CMP right of way (ROW). See Figure 1-4.

Figure 1-3: Merrill Road Converter Station Modifications

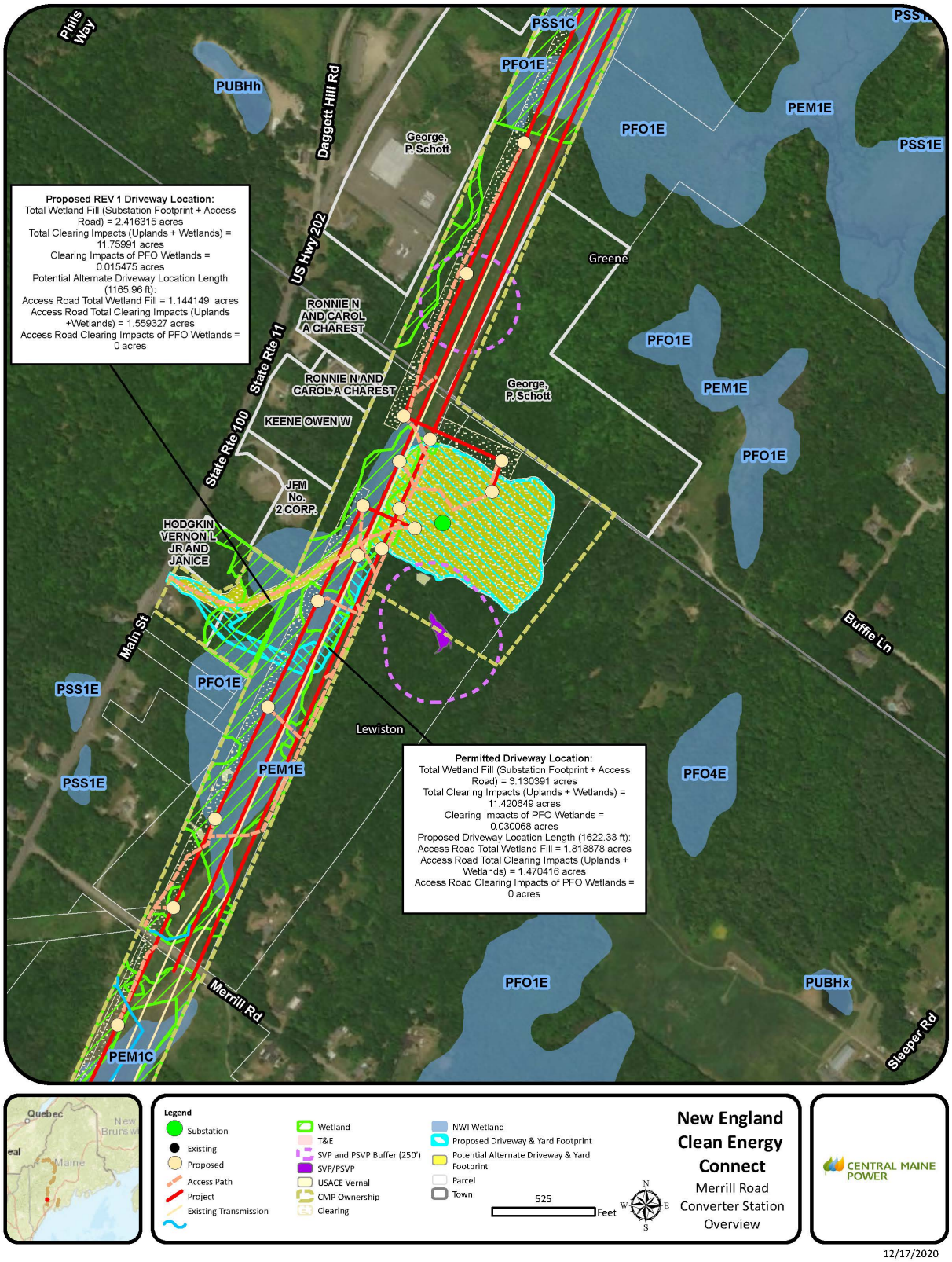
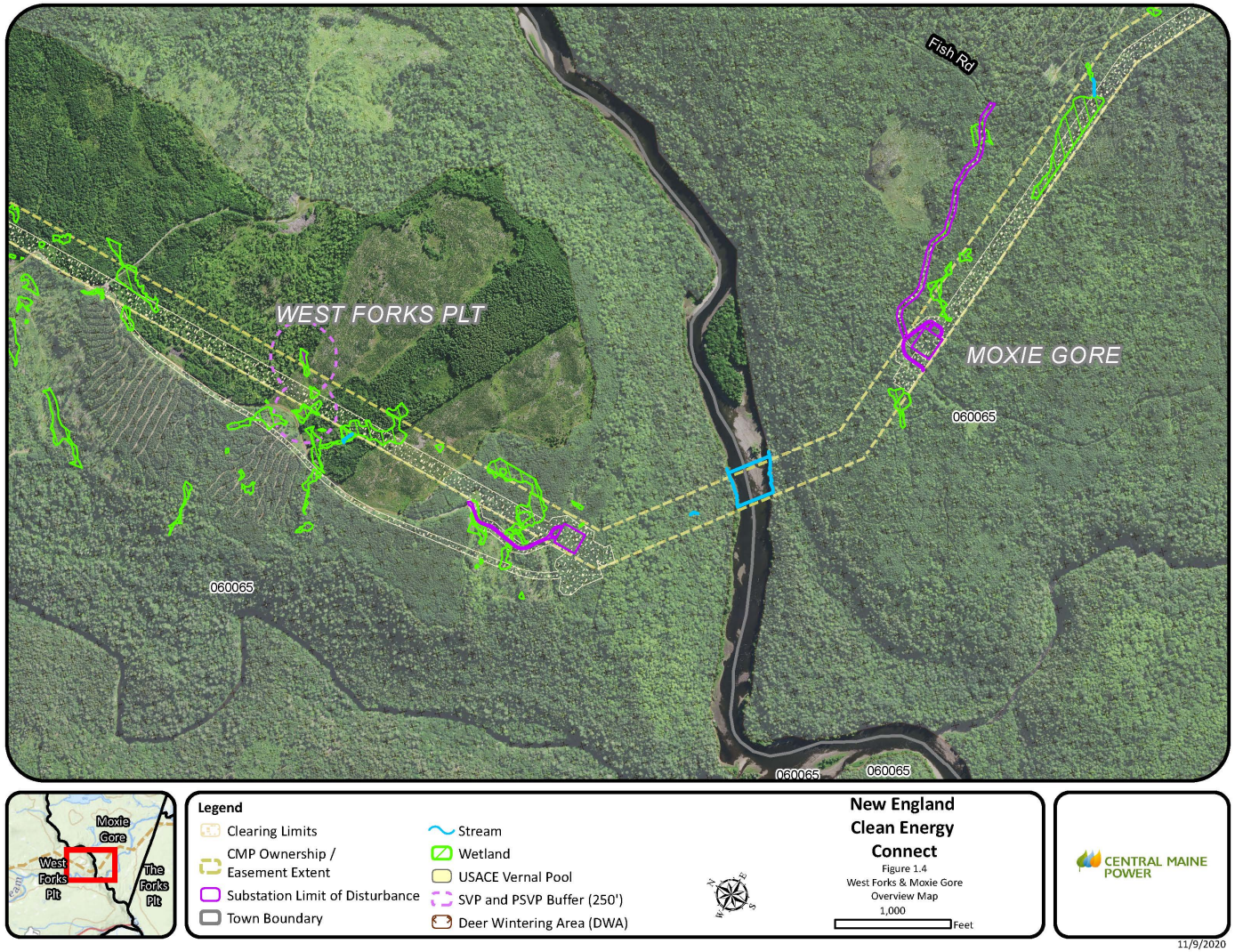


Figure 1-4: West Forks and Moxie Gore Termination Station Modifications



2.0 - Title, Right or Interest

A summary of TRI status, including appropriate deeds for properties that have been added to the NECEC Project is summarized in Table 2-1. The deeds referenced below are provided in Exhibit 2-1. This includes TRI for the following:

- the Bowman Airfield Reroute,
- the expanded corridor width in Lewiston to accommodate necessary clearances for Section 3007; and,
- Merrill Road Converter Station access road modification.

Table 2-1 Title, Right or Interest- Minor Revision Supplement

Project Component	Town	County	Grantor (or Landowner)	Type	Book/Page	Date
Bowman Airfield	Livermore Falls	Androscoggin	Wilkinson, Rex	Fee	9941/177	9/18/2018
Bowman Airfield	Livermore Falls	Androscoggin	Bane, Diane	Fee	9785/326	1/31/2018
Bowman Airfield	Livermore Falls	Androscoggin	Kupecky, Leonard, et al	Fee	9731/58	11/4/2017
Bowman Airfield	Livermore Falls	Androscoggin	Sanborn, Laurie	Fee	9990/154	12/4/2018
Bowman Airfield	Livermore Falls	Androscoggin	Lane, Eric	Fee	9772/188	1/8/2018
Bowman Airfield	Livermore Falls	Androscoggin	Johnson, Carl	Fee	9816/260	3/30/2018
Bowman Airfield	Livermore Falls	Androscoggin	Morris, Ronald	Fee	9802/85	3/1/2018
Bowman Airfield	Livermore Falls	Androscoggin	Hanson, John	Fee	9867/339	6/12/2018
Bowman Airfield	Livermore Falls	Androscoggin	Dehetre, Tammy	Fee	9969/201	10/26/2018
Bowman Airfield	Livermore Falls	Androscoggin	Laplante, Raoul	Fee	10141/106	5/7/2019
Sec 3007	Lewiston	Androscoggin	Castonguay Living Trust	Fee	10419/112	8/1/2019
Sec 3007	Lewiston	Androscoggin	Poliquin, Peter, et al.	Fee	10141/103	7/8/2019
Sec 3007	Lewiston	Androscoggin	Labonte, Mark C.	Fee	10102/250	5/30/2019
Converter Station	Lewiston	Androscoggin	Letourneau, Gary and Linda	Fee	10419/112	8/1/2019
Converter Station	Lewiston	Androscoggin	Hodgkin, Vernon and Janice	Fee	10149/105	8/6/2019
Converter Station	Lewiston	Androscoggin	Perron, Louis and Roberta	Fee	9817/72	4/9/2018
Converter Station	Lewiston	Androscoggin	Gladu, William and Michelle	Release	10270/113	12/30/2019
Converter Station	Lewiston	Androscoggin	Charest, Ronnie and Carol	Release	10189/237	9/26/2019

6.0 - Visual Quality and Scenic Character

TJD&A, Inc. (TJD&A) reviewed the minor revisions to the Project described in the Site Law Section 1.0 Development Description and concluded that these revisions will decrease the overall visual impact of the NECEC Project. TJD&A's evaluation of these revisions are summarized and reflected in the following appendices and revised exhibits:

- Appendix A: Revised Summary of Visual Impact Ratings
- Appendix B: NECEC Summary of Updated Photosimulations
- Exhibit 6-1: Visual Impact Photosimulations
- Exhibit 6-2: Attachment F – Scenic Resource Chart

Appendix A: REVISED SUMMARY of Visual Impact Ratings for Photosimulation completed with REVISION 1 Engineering Updates. October 2020 Based on Maine DEP Appendix A: Basic Visual Impact Assessment Form (DEPLW0541-A2002)

Photosimulation No. Resource/Location	Reviewer	Landscape Compatibility				Scale Contrast	Spatial Dominance	Total Visual Impact Severity Rating	Average	Visual Impact, Oct 2018	Visual Impact of Rev 1 update 2020
		Color	Form	Line	Texture						
1. Beattie Pond - Viewpoint 1	A	1	1	1	0	2	2	7	8.5	**Minimal - Sept 2017**	
Lowelltown Twp	B	1	2	2	0	3	2	10			
1A. REV. 1 -Beattie Pond - Viewpoint 1	A	0	0	1	0	0	0	1	0.5		**Negligible**
Lowelltown Twp	B	0	0	0	0	0	0	0			
1. Beattie Pond - Viewpoint 2	A	0	1	0	0	0	0	1	1.5	**Minimal - Rev 2019**	
Lowelltown Twp	B	0	1	1	0	0	0	2			
1B.REV 1 - Beattie Pond - Viewpoint 2	A	0	1	0	0	0	0	1	1.5		**Negligible**
Lowelltown Twp	B	0	1	1	0	0	0	2			
2. Wing Pond	A	1	1	1	0	0	0	3	3.5	**Minimal**	
Lowelltown Twp	B	0	1	1	0	2	0	4			
2. REV.1 - Wing Pond	A	1	1	1	0	0	0	3	3.5		**Minimal**
Lowelltown Twp	B	0	1	1	0	2	0	4			no change
3. Rock Pond - with tapering,	A	2	2	2	1	4	4	15	16.5	**Moderate**	
T5 R6 BKP WKR-	B	2	1	2	1	8	4	18			
3. REV. 1 - Rock Pond	A	1	1	2	1	4	4	13	12		**Moderate**
T5 R6 BKP WKR	B	1	1	2	1	4	2	11			
4. NO.5 Mountain	A	0	1	2	0	1	2	6	8.5	**Minimal/Moderate**	
T5 R7 BKP WKR	B	1	2	2	0	3	3	11			
4. REV. 1 - NO.5 Mountain	A	0	1	1	0	1	1	4	5.5		**Minimal**
T5 R7 BKP WKR	B	1	1	1	0	2	2	7			
5. Fish Pond	A	0	1	0	0	0	0	1	1	**Negligible**	
Hobbstown Twp	B	0	0	1	0	1	1	3			
5. REV. 1- Fish Pond	A	0	1	1	0	0	0	2	3		**Minimal**
Hobbstown Twp	B	0	1	1	0	1	1	4			
6. Attean View Rest Area	A	0	0	1	0	0	1	2	1	**Negligible**	
Jackman	B	0	0	0	0	0	0	0			
6. REV. 1- Attean View Rest Area	A	0	0	1	0	0	0	1	0.5		**Negligible**
Jackman	B	0	0	0	0	0	0	0			
7. Parlin Pond	A	1	1	1	1	2	4	10	9	**Moderate**	
Parlin Pond TWP	B	1	1	1	0	2	3	8			
7. REV. 1- Parlin Pond	A	0	1	1	0	2	2	6	6.5		**Minimal**
Parlin Pond TWP	B	1	1	1	0	2	2	7			
8. Coburn Mountain - Leaf-On	A	1	2	2	0	2	4	11	12.5	**Moderate**	
Upper Enchanted Twp.	B	1	2	2	1	4	4	14			
8. REV. 1- Coburn Mountain - Leaf-On	A	1	1	1	0	2	2	7	9		**Moderate**
Upper Enchanted Twp.	B	1	1	2	1	3	3	11			
9. Route 201	A	1	1	1	1	4	4	12	12.5	**Moderate**	
Johnson Mountain Twp	B	2	1	1	1	4	4	13			
9. REV. 1- Route 201	A	1	1	1	1	4	4	12	12.5		**Moderate**
Johnson Mountain Twp	B	2	1	1	1	4	4	13			
12. Moxie Stream	A	1	2	3	2	8	6	22	21	**Strong***	
Moxie Gore	B	2	2	2	2	6	6	20			
12. REV. 1. Moxie Stream	A	1	1	1	1	2	2	8	10.5		**Moderate**
Moxie Gore	B	1	1	2	1	4	4	13			
13. Moxie Pond North	A	1	1	1	0	2	2	7	4	**Minimal**	
East Moxie Twp	B	0	0	0	0	1	0	1			
13. REV. 1. Moxie Pond North	A	0	1	1	0	1	0	3	2		**Minimal**
East Moxie Twp	B	0	0	0	0	1	0	1			
14. Moxie Pond North	A	1	1	1	0	2	2	7	5.5	**Minimal**	
East Moxie Twp	B	0	1	1	0	1	1	4			
14. REV. 1. Moxie Pond North	A	0	1	1	0	1	0	3	2		**Minimal**
East Moxie Twp	B	0	0	0	0	1	0	1			
15. Moxie Pond South (Dec 2017)	A	1	1	1	1	2	2	8	9.5	**Moderate**	
Bald Mountain TWP T2 R3	B	1	1	1	0	4	4	11			
15. REV. 1. Moxie Pond South (Dec 2017)	A	1	1	1	1	2	1	7	7		**Minimal**
Bald Mountain TWP T2 R3	B	1	1	1	0	2	2	7			
18. Troutdale Road	A	1	2	1	1	4	6	15	14.5	**Moderate**	
The Forks PLT	B	1	2	2	1	4	4	14			
18. REV. 1. Troutdale Road	A	1	2	1	1	2	4	11	11.5		**Moderate**
The Forks PLT	B	1	2	2	1	2	4	12			
19. Route 201	A	2	2	1	1	4	4	14	14	**Moderate**	
Moscow	B	1	2	2	1	4	4	14			
19. REV. 1. Route 201	A	2	2	1	1	4	4	14	14		**Moderate**
Moscow	B	1	2	2	1	4	4	14			
20. Wyman Lake Recreation Area	A	1	1	1	0	1	1	5	7	**Minimal**	
Pleasant Ridge Plt	B	1	1	1	0	2	4	9			
20. REV. 1.Wyman Lake Recreation Area	A	1	1	1	0	1	1	5	7		**Minimal**
Pleasant Ridge Plt	B	1	1	1	0	2	4	9			
21. Route 8	A	1	2	1	1	4	6	15	14.5	**Moderate**	
Anson	B	1	2	2	1	4	4	14			
21. REV. 1. Route 8	A	1	2	1	1	4	6	15	14.5		**Moderate**
Anson	B	1	2	2	1	4	4	14			

Photosimulation No. Resource/Location	Reviewer	Landscape Compatibility				Scale Contrast	Spatial Dominance	Total Visual Impact Severity Rating	Average	Visual Impact, Oct 2018	Visual Impact of Rev 1 update 2020
		Color	Form	Line	Texture						
22. Route 2	A	1	1	2	1	4	6	15	14	**Moderate**	
Farmington	B	1	1	2	1	4	4	13			
22. REV. 1. Route 2	A	1	1	2	1	5	6	16	17		**Moderate**
Farmington	B	1	2	2	1	6	6	18			
23. Androscoggin Riverlands State Park	A	1	1	1	1	2	2	8	10	**Moderate**	
Leeds	B	1	1	1	1	4	4	12			
23. REV. 1. Androscoggin Riverlands State Park	A	1	1	1	1	3	3	10	12		**Moderate**
Leeds	B	1	1	1	1	5	5	14			
25. Riverside Drive	A	2	1	1	1	2	2	9	12	**Moderate**	
Auburn	B	2	2	2	1	4	4	15			
25. REV. 1. Riverside Drive	A	0	1	1	0	3	3	8	7.5		**Minimal**
Auburn	B	0	1	1	1	2	2	7			
28. Route 27	A	0	0	1	0	4	2	7	11.5	**Moderate**	
Wiscasset	B	0	0	2	0	6	8	16			
28. REV. 1. Route 27	A	0	0	1	0	4	2	7	11.5		**Moderate**
Wiscasset	B	0	0	2	0	6	8	16			no change
29. Route 194	A	0	0	1	0	4	2	7	11.5	**Moderate**	
Whitefield	B	0	0	2	0	6	8	16			
29. REV. 1.Route 194	A	0	0	1	0	4	2	7	11.5		**Moderate**
Whitefield	B	0	0	2	0	6	8	16			no change
34. Carrabassett River	A	1	1.5	1	1	6	6	16.5	15.25	**Moderate**	
Anson	B	2	2	1	1	4	4	14			
34. REV.1. Carrabassett River	A	1	1.5	1	1	6	6	16.5	16.25		**Moderate**
Anson	B	2	2	1	1	5	5	16			
35. Sandy River	A	1	1.5	1	1	6	6	16.5	14.75	**Moderate**	
Farmington	B	1	1	2	1	4	4	13			
35. REV. 1. Sandy River	A	1	1.5	1	1	6	6	16.5	14.75		**Moderate**
Farmington	B	1	1	2	1	4	4	13			
36 and 37. West Branch Sheepscot River	A	1	1	1	1	4	6	14	13	**Moderate**	
Windsor	B	1	1	1	1	4	4	12			
Psim 36 and 37. REV. 1.West Branch Sheepscot River	A	1	2	1	1	5	4	14	15.5		**Moderate**
Windsor	B	1	3	2	1	5	5	17			
42. Parlin Pond - LEAF OFF	A	1	1	2	1	4	4	13	12.5	**Moderate**	
Parlin Pond TWP ((1/30/19)	B	1	1	1	1	4	4	12			
42. REV. 1- Parlin Pond - LEAF OFF	A	1	1	1	0	2	2	7	7.5		**Minimal**
Parlin Pond TWP	B	1	1	1	1	2	2	8			
43 Route 201, West of Parlin Pond	A	1	1	2	1	4	4	13	12.5	**Moderate**	
Parlin Pond TWP (1/30/19)	B	1	1	1	1	4	4	12			
43. REV 1. Rte 201, West of Parlin Pond	A	1	1	1	1	2	2	8	9		**Moderate**
Parlin Pond TWP	B	2	1	2	1	2	2	10			
44. Coburn Mountain - Observation Tower - Leaf Off with tapered vegetation (1/30/19)	A	2	2	1.5	1.5	4	4	15	14	**Moderate**	
Upper Enchanted Twp.	B	1	1	2	1	4	4	13			
44. REV 1. Coburn Mountain - Observation Tower - Leaf Off	A	2	1	2	1	3	4	13	12.5		**Moderate**
Upper Enchanted Twp.	B	2	1	2	1	2	4	12			
46. ITS 87 Bridge over Cold Stream	A	1.5	2	2	2	4	4	15.5	15.75	**Moderate**	
Johnson Mtn Twp (1/30/19)	B	2	1	1	2	6	4	16			
46. REV 1. ITS 87 Bridge over Cold Stream	A	2	1	1	2	2	2	10	10		**Moderate**
Johnson Mtn Twp	B	2	1	1	2	2	2	10			
50. AT Troutdale Road Bald Mountain TWP Leaf Off-Snow (rev buffer)	A	1	1.5	2	1	8	8	21.5	19.25	**Strong***	
Merrill Strip Twp (1/30/19)	B	1	2	1	1	6	6	17		**Road Side Buffer Recommended**	
50. REV. 1. AT Troutdale Road Bald Mountain TWP Leaf Off-Snow- with tapered vegetation	A	1	2	1	1	4	4	13	13		**Moderate**
Merrill Strip Twp	B	1	2	1	1	4	4	13			

Photosimulation No. Resource/Location	Reviewer	Landscape Compatibility				Scale Contrast	Spatial Dominance	Total Visual Impact Severity Rating	Average	Visual Impact, Oct 2018	Visual Impact of Rev 1 update
		Color	Form	Line	Texture						
51. Bald Mountain Southwest – on Appalachian Trail Leaf Off-Snow/Cover Bald Mtn Twp T2R3 (1/30/19)	A	1	1	2	1	6	6	17	15	**Moderate**	
	B	1	1	2	1	4	4	13			
51. REV. 1. Bald Mountain Southwest – on Appalachian Trail Leaf Off-Snow/Cover Bald Mtn Twp T2R3	A	1	1	2	1	6	6	17	15		**Moderate**
	B	1	1	2	1	4	4	13			
52. Bald Mountain Northwest – on Appalachian Trail Leaf Off-Snow/Cover Bald Mtn Twp T2R3	A	1.5	1.5	2	1	2	4	12	10	**Moderate**	
	B	1	1	1	1	2	2	8			
52. REV.1. Bald Mountain Northwest – on Appalachian Trail Leaf Off-Snow/Cover Bald Mtn Twp T2R3	A	1.5	1.5	2	1	2	4	12	10		**Moderate**
	B	1	1	1	1	2	2	8			
53. Route 201 - Leaf-Off/ Snow Cover Moscow (1/30/19)	A	1	1	1	1	4	4	12	13	**Moderate**	
	B	1	1	1	1	4	6	14			
53. REV. 1. Route 201 - Leaf-Off/ Snow Cover Moscow	A	1	1	1	1	4	4	12	13		**Moderate**
	B	1	1	1	1	4	6	14			
A. Appalachian Trail _ Pleasant Pond Mountain The Forks PLT	A	0	0	1	0	1	0	2	3.5	**Minimal**	
	B	1	1	0	0	1	2	5			
A. REV. 1. Appalachian Trail _ Pleasant Pond Mountain The Forks PLT	A	0	0	1	0	0	0	1	2		**Minimal**
	B	0	1	0	0	1	1	3			
B. Appalachian Trail -Troutdale Road, Joes Hole Bald Mountain TWP	A	2	2	2	1	6	8	21	22	**Strong*, recommended roadside buffer**	
	B	2	2	2	1	8	8	23			
B.REV. 1. Appalachian Trail -Troutdale Road, Joes Hole Bald Mountain TWP	A	1	2	1	1	4	4	13	14.5		**Moderate** with tapered vegetation and roadside buffer
	B	1	2	1	1	4	6	15			
C. Appalachian Trail - Bald Mountain Bald Mountain TWP	A	0	0	1	0	1	0	2	4	**Minimal**	
	B	1	0	1	0	2	2	6			
C. REV. 1. Appalachian Trail - Bald Mountain Bald Mountain TWP	A	0	0	1	0	1	0	2	4		**Minimal**
	B	1	0	1	0	2	2	6			

Notes:
* Conceptual Buffer Planting Plans were submitted for these locations as additional mitigation. Described in a memo from TJD&A, dated August 10, 2018.
Photosimulations from private timber harvesting land were not updated or included in the REV 1. review. (Psims 16,17, 45, 47-49, and 59)
Photosimulations prepared for Maine Historic Preservation Commission (Psims 54-58) were not included in the initial rating and were not updated per SEARCH, Inc.
Photosimulations from the Kennebec River and from Brookfield Property near Harris Dam have not been included because they are not applicable.
Photosimulation from Merrill Road in Lewiston was not updated because the Converter Station access road has been moved and the converter station is not visible from Merrill Road.
See Summary of REV.1. Photosimulations

Appendix B- NECEC Summary of Revision 1 Updated Photosimulations

No.	Name, Location and Scenic Resource Significance	Segment	Date of Initial Submission and Previously Modified Photosimulations	Revision 1: Structures Evaluated in Photosimulation	Summary of Revision 1 Engineering Changes Visible in Photosimulation	Visual Impact Rating of Rev 1 Photosimulation
1 VP1	**Beattie Pond** Lowelltown Twp *LUPC - Remote Pond*	Segment 1 New HVDC	Initial Submission: 9/2017 Revised: October 10, 2019 when a portion of the HVDC line was moved to Merrill Strip Twp.	Structures evaluated from viewpoint: #801-810 Structures visible: none Structures previously named MS1- MS6 have been renamed to Structures #803 to 808. Slight location shift in Structures #802, 806-809.	The REV 1 design eliminates views of all structures from Viewpoint 1. Minimal portions of conductors may be visible.	**Negligible** No change in impact rating
1 VP2	**Beattie Pond** Lowelltown Twp *LUPC - Remote Pond*	Segment 1 New HVDC	Additional viewpoint reviewed as a result of moving a portion of the HVDC line to Merrill Strip Twp, submitted October 10, 2019	Structures evaluated from viewpoint: #800-809 Structures visible: #807-808 Closest visible structure: #809 at 0.79 miles	Visual change is minimal. 2019 Photosimulation indicated minimal visibility of two structures at the tree line that were relocated to the Merrill Strip Twp alignment. The REV 1 design eliminates views of one of the structures so only one would be minimally visible at a distance of 0.79 miles across the pond.	**Negligible** No change in impact rating
2	**Wing Pond** Lowelltown Twp *LUPC - Remote Pond*	Segment 1 New HVDC	Initial Submission: 9/2017	Structures evaluated from viewpoint: #790-801 Structures visible: #795-798 Closest visible structure: #798 at 1.58 miles	Visual change is negligible. Structures only shifted slightly. The corridor appearance will soften as the tapered vegetation is allowed to fill in along the corridor.	**Minimal** No change in impact rating
3	**Rock Pond** T5 R6 BKP WKR – *Great Pond rated as Significant for Scenic Resources*	Segment 1 New HVDC	Initial Submission: 9/2017. December 4, 2018: to show tapered vegetation on the shoulder of Three Slide Mountain. December 7, 2018: to show taller structures on either side of Gold Brook as the result of full height vegetation in Wildlife Area 4.	Structures evaluated from viewpoint: #749-734 Structures visible: #749-734 Closest visible structure: #734 at 0.68 miles	Revision shows the same number of structures and increases the height of those in on either side of Gold Brook (Wildlife Area 4) where full height vegetation is being preserved. The visible notch effect and the cleared corridor will be softened by tapered vegetation management.	Rating maintained in the **Moderate** range
4	**No. 5 Mountain** T5 R7 BKP WKR, *Private land within The Nature Conservancy's Leuthold Preserve*	Segment 1 New HVDC	Initial Submission: 9/2017	Structures evaluated from viewpoint: #658-714 Structures visible: #658-714, Closest visible structure: #713 at 3.77 miles	Due to updated engineering and more accurate survey data, the corridor location shifted slightly as seen No. 5 Mountain. Corridor visibility will be significantly reduced due to tapered vegetation used throughout Segment 1	Reduced from Minimal/ Moderate to **Minimal** due to reduction in corridor visibility.

No.	Name, Location and Scenic Resource Significance	Segment	Date of Initial Submission and Previously Modified Photosimulations	Revision 1: Structures Evaluated in Photosimulation	Summary of Revision 1 Engineering Changes Visible in Photosimulation	Visual Impact Rating of Rev 1 Photosimulation
					and the 35' vegetation height within Wildlife Area 5 south of Whipple Pond. Wildlife Area 5 includes the closest 4 miles of the visible corridor extending from 3.7 to 6.9 miles from the viewpoint. A new normal view (4B) has been added to include the closest visible structure to the southeast.	
5	**Fish Pond** Hobbstown Twp *Great Pond rated as Significant for Scenic Resources*	Segment 1 New HVDC	Initial Submission: 9/2017	Structures evaluated from viewpoint: #730-707 Structures visible: #720, 726, and 727 Closest visible structure: #720 at 3.16 miles Furthest visible structure: #727 at 3.85 miles	Heights of three visible structures have increased slightly, resulting in slightly more structure visibility. Weathering steel structures are seen against wooded background. The corridor clearing is still not visible.	Rating increased slightly due to increased structure visibility, but still in **Minimal** impact range
6	**Attean View Rest Area** Jackman *Rest Area on Old Canada Road National Scenic Byway*	Segment 1 New HVDC	Initial Submission: 9/2017	Structures evaluated from viewpoint: #684-737 Structures visible: #696-727 Closest visible structure: #696 at 7.23 miles	The corridor is minimally visible at ranges of 7 to 12 miles in the initial images. With tapered vegetation the corridor will be even less distinct to the unaided eye.	**Negligible** No change in impact rating
7	**Parlin Pond** Parlin Pond Twp *Great Pond rated as Significant for Scenic Resources*	Segment 1 New HVDC	Initial Submission: 9/2017	Structures evaluated from viewpoint: #642-664 Structures visible: #649-653 Closest structure: #653: at 2.74 miles	Structure 649 on the Coburn Mountain ridgeline appears slightly taller. The structures located on the north side of Coburn Mountain do not change location. Tapered vegetation reduces contrast in color, line, and texture.	Rating decreased from Moderate to **Minimal**
8	**Coburn Mountain** Leaf-on Upper Enchanted Twp. *Scenic Viewpoint in Upper Enchanted Twp*	Segment 1 New HVDC	Initial Submission: 9/2017 Revised April 10, 2018	Structures evaluated from viewpoint: #512 -633 Structures visible: #512-604, and #626- 633 Closest visible structure: #633 at 1.5 miles	Due to updated engineering and more accurate survey data, the corridor location shifted slightly. Corridor visibility will be significantly reduced due to tapered vegetation manage-ment, resulting in reduced contrast in color, line, and texture. Effect is most apparent in photosimulation 8B.	Rating decreased but still in **Moderate** range

No.	Name, Location and Scenic Resource Significance	Segment	Date of Initial Submission and Previously Modified Photosimulations	Revision 1: Structures Evaluated in Photosimulation	Summary of Revision 1 Engineering Changes Visible in Photosimulation	Visual Impact Rating of Rev 1 Photosimulation
9	**Route 201** Johnson Mountain Twp *Old Canada Road National Scenic Byway*	Segment 1 New HVDC	Initial Submission: 9/2017 Revised April 10, 2018	Structures evaluated from viewpoint: #611 Structures visible: no longer visible	Structure 611 is no longer visible from this viewpoint looking south on Route 201 due to updated engineering. The most visible Project components continue to be the conductors crossing the road.	**Moderate** No change in impact rating
10	Kennebec River Moxie Gore – 5 Structure Option	Segment 1 New HVDC	Initial Submission: 9/2017 Photosimulations not updated because Project utilizing HDD under Kennebec River.			
11	Kennebec River Moxie Gore – 3 and 5 Structure Options					
12	**Moxie Stream** Moxie Gore *River rated as Scenic*	Segment 1 New HVDC	Initial Submission: 9/2017	Structures evaluated from viewpoint: #554 Structures visible: none	The most significant visual change is the preservation of 35' of riparian vegetation on either side of the stream that will screen views of the structures and corridor. The only visible project components will be the conductors and shield wires seen above the trees and the rocky stream. It is very unlikely that FAA or avian marker balls will be required here so they have been removed from the photosimulation.	Rating decreased significantly from Strong to **Moderate**
13	**Moxie Pond - North** East Moxie Twp *Great Pond rated as Outstanding for Scenic Resources*	Segment 2 Co-located HVDC	Initial Submission: 9/2017 Revised December 12, 2017 after re-engineering to achieve lower structure heights	Structures evaluated from viewpoint: #533-540 Structures visible #536-538, Closest visible structure: #538 at 0.45 miles	Minor shift in structure locations. Three structures continue to be visible just above or below the foreground treeline. Two of the structures will be seen in front of a wooded backdrop. Portions of conductors will be minimally visible near structures.	Rating reduced but still **Minimal**
14	**Moxie Pond – North** (Continued View) East Moxie Twp *Great Pond rated as Outstanding for Scenic Resources*	Segment 2 Co-located HVDC	Initial Submission: 9/2017 Revised December 12, 2017 after re-engineering with lower structure heights	Structures evaluated from viewpoint: #539-546 Structures visible: #541, 542, and 544. Structure #541 at 0.49 miles	Minor shift in structure locations. Three structures continue to be visible just above or below the foreground treeline. Two of the structures will be seen in front of a wooded backdrop. Portions of conductors will be minimally visible near structures.	Rating reduced but still **Minimal**

No.	Name, Location and Scenic Resource Significance	Segment	Date of Initial Submission and Previously Modified Photosimulations	Revision 1: Structures Evaluated in Photosimulation	Summary of Revision 1 Engineering Changes Visible in Photosimulation	Visual Impact Rating of Rev 1 Photosimulation
15	**Moxie Pond – South** Bald Mountain Twp T2 R3 *Great Pond rated as Outstanding for Scenic Resources*	Segment 2 Co-located HVDC	Initial Submission: 9/2017 Revised December 12, 2017 after re-engineering with lower structure heights.	Structures evaluated from viewpoint: #475-480 Structures visible: #475,476, and -478 Closest visible structure: #476 at 1,950 ft (Structure #475-480 range in height from 64' to 77.5', except for Structure #476, which is 95.5'.)	Minor shift in structure locations. From this viewpoint one less structure will be visible when compared to previous photosimulations. Two structures on either side of the opening north of Joes Hole will continue to be visible from Moxie Pond. Due to updated engineer-ing and relocated structures, the conductors will appear lower and more of them will be screened by vegetation.	Reduced from Moderate to **Minimal**
16	Mosquito Mountain The Forks Plt	Segment 2 Co-located HVDC	Initial Submission: 9/2017 Not updated. Viewpoint located on privately owned timber land.			
17	Mosquito Mountain The Forks Plt	Segment 2 Co-located HVDC				
18	**Troutdale Road** The Forks Plt	Segment 2 Co-located HVDC	Initial Submission: 9/2017	Structures evaluated from viewpoint: #510-523 Structures visible: #518-523 Closest visible structure: #523 at 384 ft	Photosimulation updated to show shift in structure location.	Rating reduced but still **Moderate**
A	**Appalachian Trail - Pleasant Pond Mountain** The Forks Plt	Segment 2 Co-located HVDC	Initial Submission: 9/2017	Structures evaluated from viewpoint: #432-582 Structures visible: #445-578* Closest visible structure: #484 at 2.9 miles. **While these structures are theoretically visible from this viewpoint, at distances beyond 3± miles the self-weathering steel structures viewed against wooded backdrops should have minimal visual contrast.*	Due to updated engineering and more accurate survey data, the corridor location shifted slightly as seen from the viewpoint.	Rating slightly reduced but still **Minimal**
B	**Appalachian Trail - Troutdale Road** Bald Mtn Twp	Segment 2 Co-located HVDC	Initial Submission: 9/2017	Structures evaluated from viewpoint: #450-469, Structures visible: #464-468 Closest visible structure: #469 at 484 ft	Updated photosimulation shows tapered vegetation management in the corridor adjacent to the Appalachian Trail and along the shoreline of Joes Hole/Moxie Pond, and a native shrub buffer between Troutdale Road and the water.	Reduced from Strong to **Moderate**.

No.	Name, Location and Scenic Resource Significance	Segment	Date of Initial Submission and Previously Modified Photosimulations	Revision 1: Structures Evaluated in Photosimulation	Summary of Revision 1 Engineering Changes Visible in Photosimulation	Visual Impact Rating of Rev 1 Photosimulation
C	**Appalachian Trail - Bald Mountain** Bald Mountain Twp	Segment 2 Co-located HVDC	Initial Submission: 9/2017	Structures evaluated from viewpoint: #420-632 Structures visible: #427-577* Closest visible structure: #469 at 2.9 miles. **Structures are theoretically visible from this viewpoint. However, self-weathering steel structures viewed against wooded backdrops should present minimal contrast much beyond 3 miles.*	Due to updated engineering and more accurate survey data, the corridor location and visible structures shifted slightly as seen from the viewpoint, but the changes are minimally noticeable at this distance.	**Minimal** No change in impact rating
19	**Route 201** Moscow *Old Canada Road National Scenic Byway*	Segment 2 Co-located HVDC	Initial Submission: 9/2017	Structures evaluated from viewpoint: #395-400 Structures visible: #395-397 Closest visible structure: #395 at 194 ft	Structure locations updated to show updated engineering. Corridor clearing remains the same.	**Moderate** No change in impact rating
20	**Wyman Lake Recreation Area** Pleasant Ridge Plt *Local Resource*	Co-located HVDC	Initial Submission: 9/2017	Structures evaluated from viewpoint: #389-405 Structures visible: #395-397 Closest visible structure: #395 at 1.07 miles	Structure locations updated to show updated engineering.	**Minimal** No change in impact rating
21	**Route 8** Anson	Segment 3 Co-located HVDC	Initial Submission: 9/2017	Structures evaluated from viewpoint: #312-320 Structures visible: #312-315 Closest visible structure: #312 at 205 ft	Structures have been updated to account for updated engineering and more accurate survey data. Proposed structure in foreground is closer to the road. Corridor clearing remains the same.	**Moderate** No change in impact rating
22	**Route 2** Farmington	Segment 3 Co-located HVDC	Initial Submission: 9/2017	Structures evaluated from viewpoint: #196-203 Structures visible: #199-202 Closest visible structure: #202 at 0.24 miles	Structure locations have been updated to account for updated engineering and more accurate survey data. One structure is now closer to Route 2 (seen in panoramic view).	Slight increase in rating but still in **Moderate** range
23	**Androscoggin Riverlands State Park** Leeds	Segment 3 Co-located HVDC	Initial Submission: 9/2017	Structures evaluated from viewpoint: #7-45 Structures visible: #38-45 Closest visible structure: #45 at 887ft	Change in structure locations results in structures appearing somewhat taller but still in scale with the two existing transmission lines.	Slight increase in rating but still in **Moderate** range

No.	Name, Location and Scenic Resource Significance	Segment	Date of Initial Submission and Previously Modified Photosimulations	Revision 1: Structures Evaluated in Photosimulation	Summary of Revision 1 Engineering Changes Visible in Photosimulation	Visual Impact Rating of Rev 1 Photosimulation
24	Merrill Road Lewiston	Segment 3 Co-located HVDC	Initial Submission: 9/2017 Photosimulation not updated because access road to the Merrill Road Converter Station has been relocated off Main Street to reduce environmental impacts			
25	**Riverside Drive** Auburn	Segment 4 REBUILD	Initial Submission: 9/2017	Structures evaluated from viewpoint: #64-42 to 64-110, 62-1 to 62-28 Structures visible: #64-89 to 64-110, 62-1 to 62-13 Closest visible structure: #64-110: 897.3ft	The updated structures on northeast side of Androscoggin River will be wood, similar to existing structures. Revision will reduce contrast in color and texture.	Decrease in rating from Moderate to **Minimal**
26	Fickett Road Substation Pownal	Segment 4 REBUILD New Substation	Initial Submission: 9/2017 Photosimulation not updated. No proposed changes to the substation or required buffer plantings.			
27	**Route 1** Wiscasset	Segment 5 345 KV	Initial Submission: 9/2017 Photosimulation not updated. No proposed changes original photosimulation.			
28	**Route 27** Wiscasset	Segment 5 345 KV	Initial Submission: 9/2017	Structures evaluated from viewpoint: #392-57-392-80 Structures visible: #392-58-392-65 Closest visible structure: #392-57 at 840ft in psim (#392-56 is closest but not in psim)	Revisions to the design of 345kV wooden H-frame structures.	**Moderate** No change in impact rating
29	**Route 194** Whitefield	345 KV	Initial Submission: 9/2017	Structures evaluated from viewpoint: #392-133 to 392-120 Structures visible: #392-133 to 127 Closest visible structure: #392-133: 215ft	Revisions to the design of 345kV wooden H-frame structures. Slight shift in structure locations.	**Moderate** No change in impact rating
30	Kennebec Gorge, NW Moxie Gore	Segment 1 New HVDC	Initial Submission: 9/2017 Photosimulations not updated. Project will be utilizing HDD under the Kennebec River.			
31	Kennebec Gorge, SE Moxie Gore	Segment 1 New HVDC				
32	Kennebec Gorge Moxie Gore	Segment 1 New HVDC				

No.	Name, Location and Scenic Resource Significance	Segment	Date of Initial Submission and Previously Modified Photosimulations	Revision 1: Structures Evaluated in Photosimulation	Summary of Revision 1 Engineering Changes Visible in Photosimulation	Visual Impact Rating of Rev 1 Photosimulation
33	Kennebec Gorge, No. of Picnic Area, Moxie Gore	Segment 1 New HVDC				
34	**Carrabassett River** Anson *Outstanding River Segment*	Segment 3 Co-located HVDC	June 5, 2018	Structures evaluated from viewpoint: #308-318 Structures visible: #308-311 Closest visible structure: #308: 543ft	Due to updated engineering and more accurate survey data, the structures have been reconfigured and shifted slightly. Slight increase in scale contrast.	Slight increase in rating but still in **Moderate** range
35	**Sandy River** Farmington *Outstanding River Segment*	Segment 3 Co-located HVDC	June 5, 2018	Structures evaluated from viewpoint: #195-201 Structures visible: #199-201 Closest visible structure: #201: 810ft	Due to updated engineering design and more accurate survey data, the structures shifted slightly and increased in height. Structures are still in scale with the existing transmission line.	**Moderate** No change in impact rating
36	**West Branch Sheepscot River** (looking West) Windsor *Outstanding River Segment*	Segment 5 345 KV	June 5, 2018	Structures evaluated from viewpoint: #392-215 Closest structure #392-215: 80ft	The previously proposed wood H-Frame 345 kV structures have been replaced with self-weathering steel structures. Rev 1 photosimulation corrects the initial misrepresentation of the re-location of the existing transmission line. Mitigation in the form of riparian plantings has been added. An additional normal view has been added to show the closest proposed structure: #392-215.	Slightly higher impact rating, but still **Moderate**.
37	**West Branch Sheepscot River** (looking North) Windsor *Outstanding River Segment*	Segment 5 345 KV	June 5, 2018	Structures evaluated from viewpoint: #392-216-226 Closest structure #392-216: 515ft	The previously proposed wood H-Frame 345 kV structures have been replaced with self-weathering steel structures, which preserves more tree canopy. Riparian plantings have been added, which will diminish the view into the existing transmission corridor when viewed from the river.	Slightly higher impact rating, but still **Moderate**.
38	Brookfield Option - Top of rafting Access Stair Indian Pond	Segment 1 New HVDC	N/A. Photosimulations not updated.			
39	Brookfield Option Indian Pond Indian Pond	Segment 1 New HVDC				

No.	Name, Location and Scenic Resource Significance	Segment	Date of Initial Submission and Previously Modified Photosimulations	Revision 1: Structures Evaluated in Photosimulation	Summary of Revision 1 Engineering Changes Visible in Photosimulation	Visual Impact Rating of Rev 1 Photosimulation
40	Brookfield Option Rafting Put-In on Kennebec, Indian Pond	Segment 1 New HVDC				
41	Dead Stream Pond West Forks	Segment 1 New HVDC				
	Wilson Hill Road West Forks	Segment 1 New HVDC	Not updated. Viewpoint is located on privately owned timber land. Photosimulation was not submitted to Maine DEP as part of a submission.			
42	**Parlin Pond - Leaf Off/ Snow Cover** Parlin Pond Twp *Great Pond rated as Significant for Scenic Resources*	Segment 1 New HVDC	December 7, 2018	Structures evaluated from viewpoint: #640-655 Structures visible: #649-653 Closest visible structure: #653 at 2.7 miles	Structure 649 on Coburn Mountain ridgeline shifted slightly. Tapered vegetation reduces contrast in color, line, and texture, resulting in a less obvious transmission line.	Reduced from Moderate to **Minimal**
43	**Route 201, West of Parlin Pond Leaf Off/Snow** Parlin Pond Twp *Great Pond rated as Significant for Scenic Resources*	Segment 1 New HVDC	December 7, 2018	Structures evaluated from viewpoint: #640-654 Structures visible: #649-650 Closest visible structure: #650 at 2.0 miles	Structure 649 on the Coburn Mountain ridgeline has been shifted slightly. The structures located on the north side of Coburn Mountain do not change location. Tapered vegetation reduces contrast in color, line, and texture, resulting in a less obvious transmission line.	Reduced but still rated as **Moderate**
44	**Coburn Mountain Observation Tower Leaf Off/Snow Cover** Upper Enchanted Twp.	Segment 1 New HVDC	December 7, 2018 Jan 8, 2019	Structures evaluated from viewpoint: #462-644 Structures visible: #637-626, 604-512 Closest visible structure: #637 at 0.83 miles	Due to updated engineering and more accurate survey data, the corridor location has been shifted slightly to the north. Tapered vegetation reduces contrast in color, line, and texture, resulting in a less obvious transmission line. Revision takes into account the remaining vegetation within the 52-foot corridor.	Reduced but still rated as **Moderate**
45	**ITS 89,** Parlin Pond Twp	Segment 1 New HVDC	Not updated. Viewpoint is located on privately owned timber land. See Route 201, West of Parlin Pond Leaf Off/Snow photosimulation.			
46	**ITS 87 - Bridge Over Cold Stream** Johnson Mountain Twp *Cold Stream Forest Parcel*	Segment 1 New HVDC	December 7, 2018	Structures evaluated from viewpoint: #606 Structures visible: #606 Closest visible structure: #606: 410ft	Structure 606 has been shifted closer to the viewpoint. Riparian vegetation has been added to the slopes along Cold Stream and tapered vegetation along transmission line corridor.	Reduced but still rated as **Moderate**

No.	Name, Location and Scenic Resource Significance	Segment	Date of Initial Submission and Previously Modified Photosimulations	Revision 1: Structures Evaluated in Photosimulation	Summary of Revision 1 Engineering Changes Visible in Photosimulation	Visual Impact Rating of Rev 1 Photosimulation
47	**Cold Stream Mountain** Johnson Mountain Twp	Segment 1 New HVDC	Not updated. Viewpoints located on privately owned timber land.			
48	**Mosquito Mountain Northeast** **Leaf-Off/ Snow Cover** The Forks Plt	Segment 2 Co-located HVDC				
49	**Mosquito Mountain Southeast** **Leaf-Off/Snow Cover** The Forks Plt	Segment 2 Co-located HVDC				
50	**Appalachian Trail** **Troutdale Road** **Leaf Off-Snow** Bald Mountain Twp	Segment 2 Co-located HVDC	December 7, 2018	Structures evaluated from viewpoint: #450-469 Structures visible: #464-468 Closest visible structure: #469 at 484ft	Rev 1 resulted in a slight shift in structure location. Revised photo-simulation shows tapered vegetation management, which decreases contrasts in color and texture.	Reduced rating from Strong to **Moderate**
51	**Bald Mountain SW on Appalachian Trail** **Leaf Off/Snow Cover** Bald Mtn Twp T2 R3	Segment 2 Co-located HVDC	December 7, 2018	Structures evaluated from viewpoint: #424-479 Structures visible: #428-479 Closest visible structure: #465 at 2.8 miles	The corridor location and structures shifted slightly due to updated engineering and more accurate survey data. Changes are minimally noticeable.	**Moderate** No change in impact rating
52	**Bald Mountain NW on Appalachian Trail** **Leaf Off/Snow Cover** Bald Mtn Twp T2 R3	Segment 2 Co-located HVDC	December 7, 2018	Structures evaluated from viewpoint: #472-603 Structures visible: #472-550 Closest visible structure: #474: 2.96	The corridor location and structures shifted slightly due to updated engineering and more accurate survey data. Changes are minimally noticeable.	**Moderate** No change in impact rating
53	**Route 201, Moscow** **Leaf Off/Snow-Cover** *Old Canada Road National Scenic Byway*	Segment 2 Co-located HVDC	December 7, 2018	Structures evaluated from viewpoint: #395-400 Structures visible: #395-397 Closest visible structure: #395: 194ft	Similar to the leaf-on photosimulation from this viewpoint. Structure locations have been updated; corridor clearing remains the same.	**Moderate** No change in impact rating
54	MHPC - 27 Hilton Hill Road, Anson	Segment 3 Co-located HVDC	SEARCH has determined changes included in Revision 1 would not change the adverse effects on NRHP eligible properties so updating photosimulations prepared for MHPC was not deemed necessary.			
55	MHPC - Anson Road Farmstead District Starks	Segment 3 Co-located HVDC				

No.	Name, Location and Scenic Resource Significance	Segment	Date of Initial Submission and Previously Modified Photosimulations	Revision 1: Structures Evaluated in Photosimulation	Summary of Revision 1 Engineering Changes Visible in Photosimulation	Visual Impact Rating of Rev 1 Photosimulation
56	MHPC - Bowman Airfield Livermore Falls	Segment 3 Co-located HVDC				
57	MHPC - Bowman Airfield – Dusk Livermore Falls	Segment 3 Co-located HVDC				
58	MHPC 513 Davis Road Farmington	Segment 3 Co-located HVDC				
59	**Merrill Strip Road** Merrill Strip Twp	Segment 1 New HVDC	Additional viewpoint reviewed as a result of moving portion of HVDC line from Lowelltown Twp (near Beattie Pond) to Merrill Strip Twp, submitted October 10, 2019	Structures evaluated from viewpoint: #797-804 Structures visible: #803-804 Closest visible structure: #804 at 629ft	Photosimulation updated to show correct structure model and updated locations. This portion of the corridor will have tapered vegetation management.	Photosimulation is from privately owned timberland, No visual impact rating provided.

7.0 - Wildlife and Fisheries

Minor revisions to the Project described in the Site Law Section 1.0 Development Description have resulted in overall reduction of impacts on wildlife and fisheries resources. These revisions are reflected in the following revised exhibits and have been incorporated into NRPA Section 13.0 Compensatory Mitigation.

- Exhibit 7-2: Deer Wintering Area (DWA) Table Revised
  - Indirect impacts associated with conversion have been reduced by 28.77 acres.
- Exhibit 7-3: Inland Waterfowl and Wading Bird Habitat (IWWH) Table Revised
  - Direct Fill impacts have been reduced by .006 acre and conversion impact have been reduced by 5.548 acres.
- Exhibit 7-5: Significant Vernal Pool Habitat (SVPH) Table Revised
  - Direct Fill impacts have been reduced by 1.153 acre and conversion impact have been reduced by 4.856 acres.
- Exhibit 7-6: USACE Vernal Pool Habitat Table Revised
  - Direct Fill impacts have been increased by 0.260 acre, there is no change to the quantity or quality determinations that have been compensated for.
- Exhibit 7-7: Waterbody Crossing Table Revised
  - Indirect impacts associated with conversion have been reduced by 3.93 linear miles of stream.

8.0 - Historic Sites

SEARCH'S desktop review of the IFC design identified minor variations including additional temporary access roads, refinements to structure locations, and shifts in the proposed clearing limits. These Project revisions were reviewed relative to National Register of Historic Places (NRHP) eligible or listed properties previously identified through Project consultation. No changes to the intensity or nature of the Project's physical or visual impacts on NRHP eligible or listed resources were noted. The IFC's indirect APE was then compared to the IFP survey area. No new potential above ground resources were noted.

SEARCH recommends no additional survey for above ground historic resources based on its desktop review of changes to the Project's direct and indirect APEs under the IFC design.

SEARCH evaluated 17 archaeologically sensitive areas (SAs) for pedestrian reconnaissance as a result of its desktop review. No archaeological resources were identified within the direct APE and no

further archaeological work was recommended. SEARCH does not recommend changes to the finding of effects, treatment plans, or avoidance plans previously developed for the Project based on its review of the IFC design.

Addendum 6 to SEARCH's Archaeological Resources Identification Survey Report and a technical memorandum regarding impacts to above ground historic resources under the IFC design are provided as Exhibits 8-1 and 8-2, respectively.

9.0 - Unusual Natural Areas

Impacts to rare, threatened, or endangered plants and rare and exemplary natural communities requiring mitigation remain unchanged under the IFC design.

Two areas were previously identified as Hardwood River Terrace Forest within the NECEC Project Area, one in the Town of Anson and the other in the Town of Livermore Falls. In meetings with the Maine Natural Areas Program (MNAP) it was determined that only the community in Anson meets the minimum standards for the community type and therefore required mitigation. This mitigation was proposed in CMP's January 30, 2019 Compensation Plan and is included in the amount identified in Condition #10 of the MDEP Permit. Further, the compensation fee required by Condition #10 also reflect mitigation provided for unavoidable impacts to the Enriched Northern Hardwood Forest community impacted by the Project in Segment 1. CMP requests that Condition #10 be revised to reflect that the compensation ordered is for unavoidable impacts to Jack Pine Forest, Enriched Northern Hardwood Forest, Hardwood River Terrace Forest, and Goldie's Wood Fern.

Clearing associated with the Bowman Airfield Reroute in Livermore Falls, within the forest community previously mapped as Hardwood River Terrace Forest (as shown on Figure 1-1), does not qualify for mitigation because this occurrence does not meet the minimum standards for this unique natural community type.[2]

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[2] MNAP stated during an October 3, 2018 meeting with CMP that the Hardwood River Terrace Forest in Livermore Falls did not appear to meet the minimum standards for the community type due to the degraded condition of the habitat and its small size. Additionally, MNAP's December 7, 2018 recommendation for compensation only included the proposed 22,937 square feet of clearing associated with the Hardwood River Terrace Forest community located in the Town of Anson and did not recommend mitigation for the unavoidable impacts to the community in Livermore Falls. MNAP's recommendation was included in the MDEP-approved compensation plan.

12.0 - Stormwater Management

Merrill Road Converter Station

The converter station access road has been shortened by 456 feet, reducing the overall area of disturbance. This more direct route provides a larger horizontal curve radius, thus allowing a narrower road width and overall smaller footprint and narrower wetland crossing, thereby reducing permanent wetland fill by 0.714 acre. In addition, the reduction in road length and reroute eliminates the need for one of the three permitted stormwater treatment basins, which was located in wetlands, and allows for the relocation of one of the two remaining treatment basins from a wetland to an upland location, further reducing wetland impact.

CMP's proposed IFC revision of the converter station site will reduce the slope of the site (from 2% to 0.75%) to eliminate the need for a terraced yard surface. This revision will not increase or change the limits of disturbance. It will provide lower entrance grades, which will provide safer ingress and egress by increasing the overhead clearances beneath the adjacent transmission lines. Eliminating the terracing of the converter station surface also avoids the need for large, heavy equipment to travel over loose crushed rock at grades exceeding 1 to 2%, potentially displacing stone and damaging equipment when traveling between terraces, avoids the need for 6" D50 stone transitional slopes for stability between terraces that would be easily displaced by vehicle and foot traffic, and avoids longer reach or extension of equipment that could create a potential safety issue. In addition, the northwest corner of the converter station yard has been re-designed to meet the 25 foot setback from intermittent stream ISTR-Perron-1.

Exhibit 12-1 includes the stormwater narrative, calculations, and plans for the Merrill Road Converter Station associated with these modifications.

Kennebec River Crossing Termination Stations

As stated previously, the proposed revision modifies the Moxie Gore and West Forks Termination Station pads to incorporate ballistic protection for security purposes and to improve maintenance access to the cable terminators inside the termination station yards. Exhibit 12-2 includes the stormwater narrative, calculations, and plans for the Kennebec River Crossing Termination Stations.

14.0 - Basic Standards Submissions

CMP has renumbered Section 3006 to Section 432 and is providing the revised table below, which pertains to Condition #34 and Appendix G of the MDEP Permit. The Section 432 structure spans

correspond with the Section 3006 spans identified in the Appendix G of the MDEP Permit and are solely provided for renumbering purposes.

Revision to Appendix G: Table of Areas Requiring Additional Erosion Control Measures

Structure Number	
From	**To**
432-554	432-555
432-560	432-562
432- MOXIE GORE STATION	432-563
432-564	432-567
432-571	432-572
432-577	432-580
432-584	432-585
432-587	432-588
432-590	432-597
432-602	432-607
432-611	432-612
432-614	432-616
432-617	432-621
432-624	432-630
432-632	432-634
432-641	432-656
432-667	432-672
432-682	432-686
432-692	432-693
432-705	432-707
432-715	432-737
432-738	432-759
432-760	432-770
432-772	432-776
432-777	432-781
432-783	432-800
432-810	432-829

15.0 - Groundwater

CMP and NECEC LLC are proposing to install a well and wastewater holding tank at the Merrill Road Converter Station for sanitary facilities at the service building. The converter station is not located over a sole source aquifer or a gravel or sand aquifer. Over the course of a year, the converter station is not likely to be staffed on a daily basis. Therefore, expected water usage would not be more than that for a single-family residence. The sanitary facilities will be designed, installed, and maintained according to applicable regulations, will be very limited in use, and will not adversely impact ground water quality or quantity.

16.0 - Water Supply

Water will be supplied to the Merrill Road Converter Station by an individual drilled bedrock well, which will be installed in accordance with Maine Department of Health and Human Services (Maine DHHS) standards. No common wells, public water supply wells, or wells that will serve multiple lots are proposed at the site. A geologist's report that evaluates surficial deposits, bedrock types, and existing water supply well yields in the vicinity of the Merrill Road Converter Station, relative to the site's ability to provide a sufficient and healthful supply of water, is included in Exhibit 16-1. As described in the geologist's report, a sufficient and healthful supply of water is likely to be available to the converter station.

CMP and NECEC LLC plan to utilize a holding tank for wastewater generated on-site (see Section 17.0). The proposed water supply well and the holding tank will be installed in accordance with the setbacks required by the *State of Maine Subsurface Wastewater Disposal Rules* ("Rules"). See Exhibit 16-2. The Rules, which are administered and enforced by the Maine DHHS Division of Environmental Health, calculate water use at places of employment at 15 gallons per employee per day. Under these standards it is estimated that the Merrill Road Converter Station could use up to approximately 100 gallons of water per day, although actual average usage is expected to be much lower since the converter station will be staffed only very infrequently by small maintenance crews.

17.0 - Wastewater Disposal

A wastewater holding tank is proposed at the Merrill Road Converter Station. As specified in Chapter 20 of the State of Maine Subsurface Wastewater Disposal Rules (Rules), utilizing a holding tank for a non-residential use such as the proposed converter station conforms with the Rules, provided that doing so is consistent with municipal ordinances and approved by the municipal Code Enforcement Officer or Plumbing Inspector. The City of Lewiston Code Enforcement Officer was contacted and agreed that holding tanks would be acceptable. CMP determined that holding tanks are the most practical option for on-site wastewater management in light of the numerous technical and site constraints, as described below. The converter station will be staffed by small crews only very infrequently for routine maintenance, during power outages, and for similar operations. Thus, wastewater volumes generated at this site will be very small.

Siting a leach field within the fence line would be impracticable and unsafe due to the necessary spacing requirements and layout of the converter station infrastructure, and because of the presence of buried conduits within the fence line. Existing soil conditions, cut and fill requirements

and electrical ground protection would also prevent siting of a leach field within the fence line. Siting a leach field outside of the fence line also introduces numerous operational and maintenance constraints. Hundreds of feet of effluent pipe would be required to reach the fence line, thereby introducing the potential for effluent line freezing, blockages, or crushing by vehicles and maintenance equipment. Pump stations, which can leak or fail, may also be required to deliver wastewater to leach fields sited outside of the fence line. Furthermore, in order for the leach field to be in conformance with the Rules and function properly, woody vegetation such as shrubs and saplings needs to be kept from growing over or around the leach field because roots can penetrate into the disposal field piping and stone and clog the disposal field.

Given the constraints related to siting a leach field in a reasonable and safe location, and properly maintaining it, CMP plans to utilize a holding tank. The holding tank will be installed in accordance with the Rules and will be pumped and serviced by a professional septic pumping service as necessary and as stipulated by the Rules. As such, the new on-site wastewater facilities will not pose a threat to surface or groundwater quality. The HHE-200 form, completed and signed by a licensed site evaluator, is included as Exhibit 17-1.

27.0 - Project Plans

Natural resource maps reflecting the IFC design level are included in Attachment 1.

Exhibit 2-1: Title, Right, or Interest

Bk 9941 Pg177 #17419
10-01-2018 @ 10:23a

WARRANTY DEED

Rex Tyler Wilkinson, of Livermore Falls, County of Androscoggin, State of Maine, whose mailing address is **133 River Road, Livermore Falls, Maine 04254** ("Grantor"), for good and valuable consideration, GRANTS to

Central Maine Power Company, a corporation organized under the laws of the State of Maine, with offices at **83 Edison Drive, Augusta, Maine 04336 ("Grantee")**, its successors and assigns forever,

with WARRANTY COVENANTS,

a certain lot or parcel of land situated in the Town of Livermore Falls, County of Androscoggin, State of Maine, being more particularly bounded and described as follows:

MAINE REAL ESTATE
TRANSFER TAX PAID

(SEE EXHIBIT A ATTACHED HERETO)

Meaning and intending to convey the same premises conveyed in the deed from Maurice P. Dubord and Nancy J. Dubord to Rex Tyler Wilkinson dated August, 2014 and recorded in Book 8985, Page 87 of the Androscoggin County Registry of Deeds.

IN WITNESS WHEREOF, the Grantor has set his hand and seal this 18 day of September, 2018.

GRANTOR,

Rex Wilkinson

Rex Tyler Wilkinson

State of Maine
County of Androscoggin, ss

September 18, 2018

The above-named Rex Tyler Wilkinson, personally appeared before me and acknowledged the foregoing instrument to be his free act and deed.

Before me,

John H. Miles

Notary Public/Attorney
Name: John H. Miles
My Commission Expires: 1.17.23

EXHIBIT A

The land situated in Livermore Falls, Androscoggin County, State of Maine, with the buildings thereon, bounded and described as follows:

Parcel One:
Beginning on the westerly side of the road leading from the Norland Grange Hall to Srickland at a point two hundred fifteen (215) feet southerly from a culvert and brook situated about one-half mile below the Grange hall and at an iron stake driven into the ground; thence westerly, along other land now or formerly of Roy L. Brown, three hundred forty-five (345) feet, more or less, to the bank of the Androscoggin River; thence southerly, along the easterly bank of said river, three hundred five (305) feet, more or less, to an iron pin driven into the ground and other land now or formerly of Roy L. Brown; thence easterly three hundred thirty-one (331) feet, more or less, to the westerly side of said road and an iron stake driven into the ground; thence northerly, along the westerly side of said road, three hundred five (305) feet, more or less, to the point of beginning.

Parcel Two:
A certain lot or parcel of land situated on the westerly side of the road leading southerly from the Norland Grange Hall to Stricklands, and beginning at a monument in the ground on the westerly line of said road at the center of a culvert and brook situated about ½ mile below the Grange Hall at the southeasterly corner of land of Royston Lyman; thence westerly, along the center of said brook and a deep ravine about three hundred thirty (330') feet to the Androscoggin River; thence southerly, along said river, approximately two hundred fifteen (215') feet, more or less, to the northwesterly corner of land now or formerly of Maurice Dubord and Nancy Dubord; thence south sixty-eight degrees west (S 68° W) three hundred forty-five (345') feet, more or less, along the northerly bounds of land now or formerly of Maurice Dubord and Nancy Dubord to an iron pin located on the westerly side of said road; thence northerly, along the westerly side of said road, two hundred fifteen (215') feet, more of less, to the point of beginning.

Parcel Three:
A certain lot or parcel of land situated on the westerly side of the aforesaid road and commencing at the northeasterly corner of land of Diane Bane and a monument situated on the westerly side of said road; thence north sixty-seven degrees west (N 67° W) along line of spotted trees and the northerly boundary of said Bane land three hundred (300') feet to the Androscoggin River; thence northerly, along the easterly bank of said river, one hundred eighty (180') feet, more or less, to the southwesterly corner of land now or formerly of Maurice Dubord and Nancy Dubord; thence south sixty-eight degrees east (S 68° E) thee hundred thirty-one (331') feet, more or less, along the southerly bounds of land now or formerly of Maurice Dubord and Nancy Dubord, to an iron pin driven into the ground on the westerly side of the aforesaid road and at a point being the southeasterly corner of land now or formerly of Maurice Dubord and Nancy Dubord; thence southerly, along the westerly bounds of said road, one hundred eighty (180') feet, more or less, to the point of beginning.

Excepting and reserving, however from the above lots described, the shore rights which have previously been sold.

RTW

ANDROSCOGGIN COUNTY
TINA M CHOUINARD
REGISTER OF DEEDS

Bk 9785 Pg326 #2488
02-15-2018 @ 09:51a

WARRANTY DEED

Diane Bane (f/k/a Dianne Demarzo), of East Setauket, County of Suffolk, State of New York, whose mailing address **PO Box 456, East Setauket, New York 11733** for good and valuable consideration, GRANTS to

Central Maine Power Company, a corporation organized under the laws of the State of Maine, with a principal office in Augusta, Maine and whose mailing address is 83 Edison Drive, Augusta, Maine 04336, its successors and assigns forever,

with WARRANTY COVENANTS,

a certain lot or parcel of land situated in the Town of Livermore Falls, County of Androscoggin, State of Maine, being more particularly bounded and described as follows:

(SEE EXHIBIT A ATTACHED HERETO)

MAINE REAL ESTATE
TRANSFER TAX PAID

IN WITNESS WHEREOF, the Grantor has set her hand and seal this 31 day of January, 2018.

Diane Bane

Diane Bane

State of New York
County of Suffolk, ss

January 31, 2018

The above-named Diane Bane, personally appeared before me and acknowledged the foregoing instrument to be her free act and deed.

Before me,

Judy A Meyer
Notary Public/Attorney

Name: Judy A Meyer
My Commission Expires: 09/06/2018

JUDY A. MEYER
NOTARY PUBLIC, STATE OF NEW YORK
Registration No. 01ME5032795
Qualified in Suffolk County
Commission Expires Sept. 06, 2018

EXHIBIT A

A certain lot or parcel of land situated on the westerly side of the old road leading from East Livermore to Stricklands, so-called, and bounded and described as follows:

Beginning at a stake on the westerly line of said road at the northerly line of land now or formerly of Frank Glidden; thence running westerly on the northerly line of said Glidden land to the high water mark of the Androscoggin River; thence running northerly on the high water mark of said river, seven hundred feet (700) feet, more or less, to a stake driven into the ground; thence running easterly on a line parallel of the northerly line of said Frank Glidden land to an iron pin on the westerly line of the aforesaid Stricklands road; thence running southerly on said Stricklands road seven hundred (700) feet, more or less, to the place of beginning.

Meaning and intending to convey the same premises conveyed in the deed from Robert J. Blodgett and Margaret M. Blodgett to Dianne DeMarzo dated September 7, 1972 and recorded in Book 1060, Page 429 with the Androscoggin County Registry of Deeds.

ANDROSCOGGIN COUNTY
TINA M CHOUINARD
REGISTER OF DEEDS

Bk 9731 Pg58 #20033
11-17-2017 @ 11:09a

WARRANTY DEED

Leonard Paul Kupecky of Saybrook, County of Middlesex, State of Connecticut, whose mailing address **65 Obed Heights, Saybrook, Connecticut 06475 and**

Stephen John Kupecky of Ellington, County of Tolland, State of Connecticut, whose mailing address **230 Windsorville Road, Connecticut 06029** for good and valuable consideration, GRANT to

Central Maine Power Company, a corporation organized under the laws of the State of Maine, with a principal office in Augusta, Maine and whose mailing address is 83 Edison Drive, Augusta, Maine 04336, its successors and assigns forever,

with WARRANTY COVENANTS,

a certain lot or parcel of land situated in the Town of Livermore Falls, County of Androscoggin, State of Maine, being more particularly bounded and described as follows:

(SEE EXHIBIT A ATTACHED HERETO)

MAINE REAL ESTATE
TRANSFER TAX PAID

IN WITNESS WHEREOF, the Grantors have set their hands and seals this 14 day of November, 2017.

Leonard Paul Kupecky

State of Connecticut
County of Middlesex, ss Old Saybrook November 14, 2017

The above-named Leonard Paul Kupecky, personally appeared before me and acknowledged the foregoing instrument to be his free act and deed.

Before me, Robbie A Marshall

Notary Public/Attorney

Name:

My Commission Expires:

Robbie A Marshall
Notary Public-Connecticut
My Commission Expires
May 31, 2020

SEAL

Stephen John Kupecky

Stephen John Kupecky

State of Connecticut
County of Tolland, ss Vernon Ct.

November 14, 2017

The above-named Stephen John Kupecky, personally appeared before me and acknowledged the foregoing instrument to be his free act and deed.

Before me,

Notary Public/Attorney

Name: DAVID C. ROYCE

My Commission Expires: 3-31-2021

DAVID C. ROYCE
NOTARY PUBLIC
MY COMMISSION EXPIRES MAR. 31, 2021

SEAL

EXHIBIT A

A certain lot or parcel of land situated on the westerly side of the River Road, in the Town of Livermore Falls, County of Androscoggin and State of Maine, bounded and described as follows:

Beginning at a point on the westerly side of the River Road and the northeast corner of property now or formerly owned by Raoul and Marsha LaPlante as described in Book 981, Page 157 in the Androscoggin County Registry of Deeds; thence running northerly along the westerly side of River Road, so-called, a distance of 920 feet, more or less, to a point on the westerly side of the road and the southeast corner of land now or formerly of Diane Bane as described in Book 1060, Page 429 in said Registry; thence running westerly along said land of Bane, 347 feet, more or less, to the bank of the Androscoggin River; thence running southerly along the bank of said river, 965 feet, more or less, to a point now or formerly of LaPlante; thence running easterly 516 feet, more or less, to the point of beginning.

Reference is made to Livermore Falls Tax Map 4, Lot 21.

Meaning and intending to describe the same premises as described in a deed from Genevieve M. Kupceky to Leonard Paul Kupecky and Stephen John Kupecky dated January 11, 1990 and recorded in Book 2535, Page 255 with the Androscoggin County Registry of Deeds.

ANDROSCOGGIN COUNTY
TINA M CHOUINARD
REGISTER OF DEEDS

Bk 9990 Pg154 #21551
12-10-2018 @ 10:39a

WARRANTY DEED

Laurie L. Sanborn, of Livermore Falls, County of Androscoggin, State of Maine, whose mailing address is **140 River Road, Livermore Falls, Maine 04254** ("Grantor"), for good and valuable consideration, GRANTS to

Central Maine Power Company, a corporation organized under the laws of the State of Maine, with offices at **83 Edison Drive, Augusta, Maine 04336 ("Grantee")**, its successors and assigns forever,

MAINE REAL ESTATE
TRANSFER TAX PAID

with WARRANTY COVENANTS,

a certain lot or parcel of land situated in the Town of Livermore Falls, County of Androscoggin, State of Maine, being more particularly bounded and described as follows:

(SEE EXHIBIT A ATTACHED HERETO)

IN WITNESS WHEREOF, the Grantor has set his hand and seal this 4TH day of December, 2018.

Laurie L. Sanborn

State of Maine
County of Androscoggin, ss

12-4, 2018

The above-named Laurie L. Sanborn, personally appeared before me and acknowledged the foregoing instrument to be her free act and deed.

Before me,

Notary Public/Attorney
Name: John H. Miles
My Commission Expires: 1.7.23

EXHIBIT A

A certain lot or parcel of land with the buildings thereon, located at 140 River Road, Livermore Falls, County of Androscoggin and State of Maine, bounded and described as follows:

Beginning at a point on the easterly bound of River Road, so called, and the southwesterly corner of land now or previously of Ken and Sheila Lyman, recorded in the Androscoggin County Registry of Deeds in Book 3091, Page 173;

Thence easterly along the southerly bound of said Lyman, seventy-five feet, more or less, to a point on the southerly line of said Lyman and that of Central Maine Power Company;

Thence in a southerly direction, along the westerly bound of land owned now or previously by Central Maine Power Company recorded in the Androscoggin County Registry of Deeds in Book 408, Page 240 and Book 407, Page 663, a distance of three hundred and eight (308') feet, more or less, to a point on the northerly bound of property, now or previously, of Eric J. Lane, recorded in the Androscoggin County Registry of Deeds in Book 7534, Page 257;

Thence westerly along land of Lane, a distance of one hundred and thirteen (113') feet, more or less, to a point on the easterly bound of the River Road;

Thence northerly along said road, a distance of three hundred and nine (309') feet, more or less, to the point of beginning.

Reference is made to the survey plan entitled "Land of Laurie L. Sanborn" dated May, 2017 and recorded in Plan Book 51, Page 195 with the Androscoggin County Registry of Deeds.

Meaning and intending to convey the same premises conveyed in the deed from Ronnalean E. Sanborn to Laurie L. Sanborn dated August 17, 2009 and recorded in Book 7771, Page 244 with the Androscoggin County Registry of Deeds.

ANDROSCOGGIN COUNTY
TINA M CHOUINARD
REGISTER OF DEEDS

Jld

Bk 9772 Pg188 #1183
01-24-2018 @ 11:05a

WARRANTY DEED

Eric J. Lane of Turner, County of Androscoggin, State of Maine, whose mailing address **7 Gray Birch Lane , Turner, Maine 04282** for good and valuable consideration, GRANT to

Central Maine Power Company, a corporation organized under the laws of the State of Maine, with a principal office in Augusta, Maine and whose mailing address is 83 Edison Drive, Augusta, Maine 04336, its successors and assigns forever,

with WARRANTY COVENANTS,

a certain lot or parcel of land situated in the Town of Livermore Falls, County of Androscoggin, State of Maine, being more particularly bounded and described as follows:

(SEE EXHIBIT A ATTACHED HERETO)

MAINE REAL ESTATE
TRANSFER TAX PAID

IN WITNESS WHEREOF, the Grantor has set his hand and seal this 8 day of January, 2018.

Eric J. Lane

State of Maine
County of Androscoggin, ss

January 8, 2018

The above-named Eric J. Lane, personally appeared before me and acknowledged the foregoing instrument to be his free act and deed.

Before me,

Notary Public/~~Attorney~~
Name: PEGGY DWYER
My Commission Expires: 6/11/2022

EXHIBIT A

A certain lot or parcel of land, together with the improvements thereon, situated on the easterly side of the road leading from East Livermore Depot to Stricklands, in the Town of Livermore Falls, County of Androscoggin, State of Maine, and being bounded and described as follows:

Beginning at an iron pipe driven in the ground at a point three hundred ten (310) feet south of the northwest corner of land now or formerly of Russell Dwinal Hubbard and Karen Jean Hubbard; thence running in a general easterly direction three hundred (300) feet to another pin; thence running in a southerly direction three hundred (300) feet to another pin; thence running in a westerly direction three hundred (300) feet to said road and to another pin; thence running in a northerly direction along said road three hundred (300) feet to the point of beginning.

Meaning and intending to convey the same premises conveyed in the deed from Anthony W. Loiko to Eric J. Lane dated September 17, 2008 and recorded in Book 7534, Page 257 of the Androscoggin County Registry of Deeds.

ANDROSCOGGIN COUNTY
TINA M CHOUINARD
REGISTER OF DEEDS
t 5C
1/4/16

Bk 9816 Pg260 #5344
04-09-2018 @ 12:22p

WARRANTY DEED

Carl E. Johnson, Jr. and **Rosalie J. Johnson,** of Livermore Falls, County of Androscoggin, State of Maine, whose mailing address **160 River Road, Livermore Falls, Maine 04254** for good and valuable consideration, GRANT to

Central Maine Power Company, a corporation organized under the laws of the State of Maine, with a principal office in Augusta, Maine and whose mailing address is 83 Edison Drive, Augusta, Maine 04336, its successors and assigns forever,

with WARRANTY COVENANTS,

a certain lot or parcel of land situated in the Town of Livermore Falls, County of Androscoggin, State of Maine, being more particularly bounded and described as follows:

(SEE EXHIBIT A ATTACHED HERETO)

MAINE REAL ESTATE
TRANSFER TAX PAID

IN WITNESS WHEREOF, the Grantors have set their hands and seals this 30TH day of March, 2018.

Carl E. Johnson, Jr.

State of Maine
County of Androscoggin, ss. March 30, 2018

The above-named Carl E. Johnson, Jr. personally appeared before me and acknowledged the foregoing instrument to be his free act and deed.

Before me,

Notary Public/~~Attorney at Law~~
Printed Name: PEGGY DWYER
Commission Expires: 6/11/2022

Rosalie J. Johnson

Rosalie J. Johnson

State of NH
County of Merrimack

March 26, 2018

The above-named Rosalie J. Johnson personally appeared before me and acknowledged the foregoing instrument to be her free act and deed.

Before me,

~~Notary Public~~/Attorney at Law
Printed Name:
Commission Expires:_____

ROBERT R HOWARD
MY COMMISSION EXPIRES
FEB
12
2019
STATE OF NEW HAMPSHIRE
NOTARY PUBLIC

EXHIBIT A

A certain lot or parcel of land situated in the Town of Livermore Falls, County of Androscoggin and State of Maine, bounded and described as follows:

Being situated on the easterly side of the road to Strickland's Ferry, now known as the River Road, and being Lot #1 on a subdivision plan entitled "The La Plante Subdivision" recorded in the Androscoggin County Registry of Deeds in Plan Book 36, Page 60, bounded and described as follows:

Commencing at the northwesterly corner of Lot #2 on said plan owned by Morris; thence North twenty-two degrees forty-seven minutes fourteen seconds east (N 22° 47' 14" E) along said road a distance of two hundred fifty and one hundredths (250.1) feet to an iron pin; thence south sixty-eight degrees sixty minutes east (S 68° 60' E) along land now or formerly owned by on Pike a distance of one hundred forty-six and one hundredths (146.1) feet to the northeasterly corner of Lot #1; thence south fifteen degrees eleven minutes forty-four seconds west (S 15° 11' 44" W) a distance of two hundred forty-nine and eighty-six hundredths (249.86) feet to the northeasterly corner of Lot #2; thence north sixty-eight degrees, forty-five minutes fourteen seconds west (N 68° 45' 14" W) along the northerly bounds of said Lot #2 to the point of beginning.

Meaning and intending to convey the same premises conveyed to the grantors by deed of Jane Gagnon, dated October 10, 1997 and recorded in Book 3862, Page 170 with the Androscoggin County Registry of Deeds.

Also hereby conveying the 1990 Shultz mobile home, serial #249311-7014-3006 located on the above-described parcel.

ANDROSCOGGIN COUNTY
TINA M CHOUINARD
REGISTER OF DEEDS

Bk 9802 Pg85 #3887
03-16-2018 @ 09:58a

WARRANTY DEED

Ronald Morris, of Livermore Falls, County of Androscoggin, State of Maine, whose mailing address **170 River Road, Livermore Falls, Maine 04254** for good and valuable consideration, GRANTS to

Central Maine Power Company, a corporation organized under the laws of the State of Maine, with a principal office in Augusta, Maine and whose mailing address is 83 Edison Drive, Augusta, Maine 04336, its successors and assigns forever,

with WARRANTY COVENANTS,

a certain lot or parcel of land situated in the Town of Livermore Falls, County of Androscoggin, State of Maine, being more particularly bounded and described as follows:

(SEE EXHIBIT A ATTACHED HERETO)

MAINE REAL ESTATE
TRANSFER TAX PAID

IN WITNESS WHEREOF, the Grantor has set his hand and seal this 1st day of March, 2018.

Ronald Morris

Ronald Morris

State of Maine
County of Androscoggin, ss

March 1, 2018

The above-named Ronald Morris, personally appeared before me and acknowledged the foregoing instrument to be his free act and deed.

Before me,

Notary Public/~~Attorney~~

Name: PEGGY DWYER

My Commission Expires: 6-11-2022

EXHIBIT A

A certain lot or parcel of land situated in the Town of Livermore Falls, County of Androscoggin, state of Maine, bounded and described as follows:

Beginning at an iron pipe driven into the ground on the east bounds of the River Road, said pipe being located at a distance of 250.10 feet and south twenty-two degrees, forty-seven minutes, fourteen seconds west (S 22° 47' 14" W) along said road from another iron pipe driven into the ground at the southwest corner of land now or formerly of Daniel and Eldora Guild as conveyed to them by deed dated October 22, 1969 and recorded in the Androscoggin County Registry of Deeds in Book 1013, Page 698; thence proceeding south sixty-eight degrees, forty-five minutes, fourteen seconds (S 68° 45' 14" E) along land reserved by Emile and Jeannette LaPlante, one hundred seventy-nine and twenty-two hundredths (179.22) feet to another iron pin driven into the ground on the westerly bounds of land owned by Central Maine Power Company; thence proceeding south fifteen degrees, six minutes, forty-four seconds west (S 15° 06' 44" W) along said Central Maine Power Company land two hundred ten and sixty-two hundredths (210.62) feet, to an iron pin driven into the ground; thence proceeding north sixty-eight degrees, forty-eight minutes, fifteen seconds west (N 68° 48' 15"W) along land reserved by Emilie and Jeannette LaPlante, two hundred five and fifty-three hundredths (205.53) feet to another iron pin driven in the ground on the east bounds of said road; thence proceeding north twenty-two degrees seventeen minutes, three seconds east (N 22° 17' 03" E) along said road two hundred nine and sixty-three hundredths (209.63) feet to the first mentioned pipe being the point of beginning.

Meaning and intending to convey the same premises conveyed in the deed from Emile O. LaPlante and Jeannette R. LaPlante to Ronald Morris and Antoinette Morris dated June 12, 1990 and recorded in Book 2568, Page 296 with the Androscoggin County Registry of Deeds. Antoinette Morris died November 5, 2004 leaving Ronald Morris as the surviving joint tenant.

ANDROSCOGGIN COUNTY
TINA M CHOUINARD
REGISTER OF DEEDS

R. M.

Bk 9867 Pg339 #10137
06-25-2018 @ 10:56a

WARRANTY DEED

John E. Hanson, of Livermore Falls, County of Androscoggin, State of Maine, whose mailing address **176 River Road, Livermore Falls, Maine 04254** for good and valuable consideration, GRANTS to

Central Maine Power Company, a corporation organized under the laws of the State of Maine, with a principal office in Augusta, Maine and whose mailing address is 83 Edison Drive, Augusta, Maine 04336, its successors and assigns forever,

with WARRANTY COVENANTS,

a certain lot or parcel of land situated in the Town of Livermore Falls, County of Androscoggin, State of Maine, being more particularly bounded and described as follows:

(SEE EXHIBIT A ATTACHED HERETO)

MAINE REAL ESTATE
TRANSFER TAX PAID

IN WITNESS WHEREOF, the Grantor has set his hand and seal this 12 day of June, 2018.

John E. Hanson

John E. Hanson

State of Maine
County of Androscoggin, ss

June 12, 2018

The above-named John E. Hanson, personally appeared before me and acknowledged the foregoing instrument to be their free act and deed.

Before me,

Notary Public/~~Attorney~~

Name: PEGGY DWYER

My Commission Expires: 6/11/2022

Received

JUL 5 2018

EXHIBIT A

A certain lot or parcel of land with buildings thereon situated in the Town of Livermore Falls, Androscoggin County, Maine, bounded and described as follows:

Commencing at a point on the easterly side of the Stricklands Ferry Road at the northwest corner of land now or formerly of Raoul LaPlante;

Thence North 22° 29' 10" East, along the east line of Stricklands Ferry Road, for a distance of 100 feet, more or less, to an iron pin;

Thence easterly along land now or formerly of David P. Brackett for a distance of 260 feet, more or less, to an iron pin;

Thence northerly along land now or formerly of David P. Brackett for a distance of 240 feet, more or less, to an iron pin;

Thence northerly along the easterly threshold of a natural ditch (at the top of the embankment) for a distance of 240 feet, more or less, to an iron pin;

Thence northwesterly along land now or formerly of David P. Brackett for a distance of 100 feet, more or less, to an iron pin set by the east line of the Stricklands Ferry Road;

Thence North 22° 29' 10" East along the easterly line of the Stricklands Ferry Road for a distance of 237.5 feet, more or less, to an iron pin located at the southwest corner of land now or formerly of Ronald and Antoinette Morris;

Thence South 65° 48' 15" East along the southerly line of Morris for a distance of 205.53 feet, more or less, to an iron pin located at the southeast corner of Morris;

Thence South 15° 10' 25" West along the westerly line of Central Maine Power for a distance of 772.49 feet, more or less, to the northeast corner of land now or formerly of Raoul LaPlante;

Thence North 78° 54' 36" West along the northerly line of Raoul LaPlante for a distance of 298.91 feet, more or less, to the point of beginning.

Meaning and intending to convey the same premises conveyed in the deed from David P. Brackett to John E. Hanson and Wendy E. Hanson dated December 18, 1996 and recorded in Book 3721, Page 234 with the Androscoggin County Registry of Deeds. See also Release Deed from Wendy E. Hanson to John E. Hanson dated July 3, 2017 and recorded in Book 9634, Page 344 with the said Registry of Deeds.

ANDROSCOGGIN COUNTY
TINA M CHOUINARD
REGISTER OF DEEDS

Bk 9969 Pg201 #19860
11-07-2018 @ 09:32a

WARRANTY DEED

Tammy L. DeHetre, of Jay, County of Franklin, State of Maine, whose mailing address is **236 Morse Hill Road, Jay, Maine 04239** ("Grantor"), for good and valuable consideration, GRANTS to

Central Maine Power Company, a corporation organized under the laws of the State of Maine, with offices at **83 Edison Drive, Augusta, Maine 04336 ("Grantee")**, its successors and assigns forever,

with WARRANTY COVENANTS,

a certain lot or parcel of land situated in the Town of Livermore Falls, County of Androscoggin, State of Maine, being more particularly bounded and described as follows:

(SEE EXHIBIT A ATTACHED HERETO)

MAINE REAL ESTATE
TRANSFER TAX PAID

IN WITNESS WHEREOF, the Grantor has set her hand and seal this 26th day of October, 2018.

Tammy L. DeHetre
Tammy L. DeHetre

State of Maine
County of Franklin, ss

October 26, 2018

The above-named Tammy L. DeHetre, personally appeared before me and acknowledged the foregoing instrument to be her free act and deed.

Before me,

Notary Public/~~Attorney~~
Name: PEGGY DWYER
My Commission Expires: 6/11/2022

EXHIBIT A

A certain lot or parcel of land situated on the River Road, in the Town of Livermore Falls, Androscoggin County, Maine, bounded and described as follows:

Commencing at a point on the easterly side of the Stricklands Ferry Road 100 feet from the northwest corner of land now or formerly of Raoul La Plante; said point marked with an iron pin;

Thence easterly along land now or formerly owned by John E. and Wendy E. Hanson for a distance of 260 feet, more or less, to an iron pin;

Thence northerly along the John and Wendy Hanson lot 240 feet, more or less, to an iron pin;

Thence northerly along the easterly threshold of a natural ditch (at the top of the embankment) for a distance of 240 feet, more or less, to an iron pin;

Thence northwesterly along the said Hanson Lot 100 feet, more or less, to an iron pin set by the east line of the Stricklands Ferry Road;

Thence southerly along the east side of the Stricklands Ferry Road, for a distance of 497 feet, more or less, to the point of beginning.

Meaning and intending to convey the same premises described in the deed from David P. Brackett to Normand R. DeHetre and Tammy L. DeHetre, as joint tenants, dated January 14, 2005 and recorded in the Androscoggin County Registry of Deeds in Book 6217, Page 37. Normand R. DeHetre passed away on June 24, 2011 leaving Tammy L. DeHetre as surviving joint tenant.

TLD.

ANDROSCOGGIN COUNTY
TINA M CHOUINARD
REGISTER OF DEEDS

Bk 10141 Ps106 #13309
07-29-2019 @ 10:11a

WARRANTY DEED

Raoul A. Laplante, Jr. a/k/a Raoul A. Laplante and Marsha A. Laplante, of Livermore Falls, County of Androscoggin, State of Maine, whose mailing address is **222 River Road, Livermore Falls, Maine 04254** ("Grantor"), for good and valuable consideration, GRANT to

Central Maine Power Company, a corporation organized under the laws of the State of Maine, with offices at **83 Edison Drive, Augusta, Maine 04336 ("Grantee")**, its successors and assigns forever,

with WARRANTY COVENANTS,

a certain lot or parcel of land situated in the Town of Livermore Falls, County of Androscoggin, State of Maine, being more particularly bounded and described as follows:

MAINE REAL ESTATE
TRANSFER TAX PAID

(SEE EXHIBIT A ATTACHED HERETO)

IN WITNESS WHEREOF, the Grantor has set his hand and seal this 15TH day of July, 2019.

Raoul A. Laplante, Jr.

Marsha A. Laplante

State of Maine
County of Androscoggin, ss

July 15, 2019

The above-named Raoul A. Laplante, Jr. and Marsha A. Laplante, personally appeared before me and acknowledged the foregoing instrument to be their free act and deed.

Before me,

Notary Public/~~Attorney~~
Name: PEGGY DWYER
My Commission Expires: 6/11/2022

EXHIBIT A

A certain lot or portion of a parcel of land located in Livermore Falls, Androscoggin County, Maine, being further bounded and described as follows:

A triangular-shaped parcel of land bounded on the north by land of Central Maine Power Company, described in a deed from John E. Hanson dated June 12, 2018, recorded at said Registry in Book 9867 on Page 339 (the "Hanson lot"), beginning at the south east corner of said Hanson lot;

Thence running in a generally westerly direction along the southerly line of said Hanson lot a distance of eighty-five feet (85') more or less, to a point;

Thence running in a generally easterly direction across land of the Grantor a distance of one hundred eighty feet (180'), more or less, to a point on the westerly line of Grantee's existing 400' wide transmission line corridor, being described in a deed from Ozem J. Wagner dated October 15, 1930, recorded at the Androscoggin County Registry in Book 407, Page 405, and in a deed from Central Securities Corporation to Central Maine Power Company, recorded in Book 407 Page 663;

Thence running in a generally northerly direction along the westerly line of said transmission line corridor a distance of one hundred and sixty- six feet (166'), more or less, to the south east corner of said Hanson lot and the point of beginning.

Meaning and intending to convey a portion of the premises conveyed in the deed from Wayne W. Backus to Raoul A. Laplante and Marsha A. Laplante, dated October 6, 1967 and recorded in Book 981, Page 157 of the Androscoggin County Registry of Deeds.

MG 7/15/19

ANDROSCOGGIN COUNTY
TINA M CHOUINARD
REGISTER OF DEEDS

Bk 10149 Pg112 #13984
08-06-2019 @ 02:56p

TRUSTEE'S DEED

Roger R.L. Castonguay and Kathleen Castonguay of Lewiston, County of Androscoggin, State of Maine, whose mailing address is 10 Brookside Drive, Lewiston, Maine 04240, **Trustees of the Castonguay Living Trust dated September 22, 1993** ("Grantor"), by the power conferred by law, and every other power, for consideration paid, grant to

R.C. CENTRAL MAINE
RC

~~**Maine Electric Power Company, Inc.**~~, a corporation organized under the laws of the State of Maine, with offices at **83 Edison Drive, Augusta, Maine 04336 ("Grantee")**, its successors and assigns forever,

a certain lot or parcel of land situated in the City of Lewiston, County of Androscoggin, State of Maine, being more particularly bounded and described as follows:

(SEE EXHIBIT A ATTACHED HERETO)

MAINE REAL ESTATE
TRANSFER TAX PAID

Meaning and intending to convey a portion of the premises conveyed in the deed from Roger R.L. Castonguay and Kathleen Castonguay to Roger R. L. Castonguay and Kathleen Castonguay, Trustees under the Castonguay Living Trust dated September 22, 1993 and recorded in the Androscoggin County Registry of Deeds in Book 4175, Page 153.

IN WITNESS WHEREOF, the Trustees have set their hands and seals this 1st day of August, 2019.

Roger Castonguay
Roger R.L. Castonguay, Trustee of the Castonguay Living Trust

Kathleen Castonguay
Kathleen Castonguay, Trustee of the Castonguay Living Trust

State of Maine
County of Androscoggin, ss

August 1, 2019

The above-named Roger R.L. Castonguay and Kathleen Castonguay, Trustees of the Castonguay Living Trust, and acknowledged the foregoing instrument to be their free act and deed in their said capacity.

Before me,

Notary Public/~~Attorney~~
Name: PEGGY DWYER
My Commission Expires: 6/11/2022

EXHIBIT A

A certain lot or parcel of land situated westerly of, but not abutting to Main Street, aka Maine State Route 202, in the City of Lewiston, County of Androscoggin, and State of Maine, bounded and described as follows, to wit:

Beginning at a point marked by a ¾" iron rebar with survey cap #492 found on the westerly sideline of land conveyed to Central Maine Power Company by a deed dated January 14, 1926 and recorded in the Androscoggin County Registry of Deeds in Book 361, Page 033 at the northeasterly corner of land conveyed to Central Maine Power Company by a deed dated May 5, 1941 and recorded in the Androscoggin County Registry of Deeds in Book 515, Page 565, being the southeasterly corner of land herein conveyed;

Thence, westerly on a course of N 82°-08'-25" W along the northerly line of land of Central Maine Power Company (515/565) a distance of two hundred one and ninety-five hundredths (201.95) feet to a point marked by a ¾" capped iron rebar set in the center of an unnamed brook;

Thence, northerly on a course of N 03°-00'-13" E through land conveyed to the Castonguay Living Trust by a deed dated September 22, 1993 and recorded in the Androscoggin County Registry of Deeds in Book 4175, Page 153 a distance of one hundred eighty and sixty-five hundredths (180.65) feet to a point marked by a ¾" capped iron rebar set in the center of the unnamed brook located on the southwesterly line of land conveyed to Peter J. Poliquin and Jennifer E. Poliquin by a deed dated June 25, 2010 and recorded in the Androscoggin County Registry of Deeds in Book 7961, Page 194;

Thence, southeasterly on a course of S 59°-04'-51" E along the southwesterly line of land of Poliquin and land conveyed to Central Maine Power Company by a deed dated December 3, 2015 and recorded in the Androscoggin County Registry of Deeds in Book 9274, Page 311 a distance of one hundred eleven and zero hundredths (111.00) feet to a point marked by a ¾" iron rebar with survey cap #492 found on the southwesterly line of land of Central Maine Power Company (361/033);

Thence, southeasterly on a course of S 32°-16'-31" E along the southwesterly line of land of Central Maine Power Company a distance of one hundred seventy-eight and fifty-seven hundredths (178.57) feet to the point and place of beginning. Containing 22,644.79 square feet (0.520 Acres) of land, more or less.

Bearings are based on a GPS observation of Grid North (Maine West NAD83).

All monumentation noted as ¾" capped iron rebar set is topped with a red plastic cap inscribed "*S.W. GOULD PLS 2318*".

Reference is to be made to a plan entitled "Boundary Survey prepared for the acquisition of land by: Central Maine Power Company "Castonguay Parcel", prepared by Sackett & Brake Survey, Inc., project number 2019081 to be recorded herewith.

ANDROSCOGGIN COUNTY
TINA M CHOUINARD
REGISTER OF DEEDS

B.C.
KC 81-19

Bk 10141 Pg103 #13308
07-29-2019 @ 10:11a

WARRANTY DEED

Peter J. Poliquin and Jennifer E. Poliquin, of Lewiston, County of Androscoggin, State of Maine, whose mailing address is **1501 Main Street, Lewiston, Maine 04240** ("Grantor"), for good and valuable consideration, GRANT to

Central Maine Power Company, a corporation organized under the laws of the State of Maine, with offices at **83 Edison Drive, Augusta, Maine 04336 ("Grantee")**, its successors and assigns forever,

with WARRANTY COVENANTS,

a certain lot or parcel of land situated in the City of Lewiston, County of Androscoggin, State of Maine, being more particularly bounded and described as follows:

MAINE REAL ESTATE
TRANSFER TAX PAID

(SEE EXHIBIT A ATTACHED HERETO)

IN WITNESS WHEREOF, the Grantors have set his hand and seal this 8TH day of July, 2019.

Peter J Poliquin
Peter J. Poliquin

Jennifer Poliquin
Jennifer E. Poliquin

State of Maine
County of Androscoggin, ss

July 8, 2019

The above-named Peter J. Poliquin and Jennifer E. Poliquin, personally appeared before me and acknowledged the foregoing instrument to be their free act and deed.

Before me,

Notary Public/~~Attorney~~
Name: PEGGY DWYER
My Commission Expires: 6/11/2022

EXHIBIT A

A certain lot or parcel of land, with improvements thereon, as located at 1501 Main Street, in the City of Lewiston, Androscoggin County, Maine, abutting land of Central Maine Power Company currently improved as Transmission Line Section 72, which is described in a deed from Albion B. Hyde and Edith B. Hyde to CMP dated January 14, 1926, and recorded at the Androscoggin County Registry of Deeds in Book 361, Page 33; being further bounded and described as follows:

Beginning at a point on the westerly bound of said CMP Transmission Line Section 72 at the northeast corner of land now or formerly of Castonguay Living Trust, recorded at said Registry in Book 4175, Page 153;

Thence N 59°23'02" W a distance of seven hundred eight and fifty-three hundredths feet (708.53'), more or less, along the southerly line of land conveyed by the Grantor to CMP by deed dated December 3, 2015, recorded in said Registry in Book 9274, Page 311 and along the northerly line of land of said Castonguay Living Trust;

Thence in a generally northeast direction a distance of sixty-six feet (66') more or less, along the easterly line of land now or formerly of Andrew and Edith Thibodeau, recorded in said Registry in Book 5272, Page 55;

Thence in a generally westerly direction a distance of three hundred eighty-three and thirty-six hundredths feet (383.36') more or less to the northeast corner of land now or formerly of Theresa Suminski, Andrew Goyette and Matthew Goyette, recorded in said Registry in Book 7909, Page 158;

Thence in a generally northerly direction a distance of one hundred two and eighty-four hundredths feet (102.84') more or less;

Thence in a generally northerly direction a distance of one hundred twenty-eight and twenty one hundredths feet (128.21'), more or less, along the easterly bound of Main Street, also known as Route 202 to the southwest corner of land now or formerly of Gordon and Florence McGraw, recorded in said Registry in Book 3082, Page 338; thence in a generally easterly direction a distance of two hundred fifty eight and three tenths feet (258.3'), more or less, along the northerly line of said McGraw to land now or formerly of Mark C. Labonte, as recorded in said Registry in Book 3347, Page 114;

Thence in a generally southeast direction a distance of four hundred eighty-seven and thirty-four hundredths feet (487.34'), more or less, along said Labonte to a point on said westerly bound of CMP Transmission Line Section 72;

Thence S 32°06'21" E a distance of five hundred sixty-eight and eight tenths feet (568.8'), more or less, to the point of beginning.

JP 7/8/19
P.P 7/8/19

Excepting from the above described parcel, the land previously conveyed by Grantor to CMP by deed dated December 3, 2015 and recorded in said Registry in Book 9274, Page 311.

Meaning and intending to convey the remaining portion of land conveyed to Grantor by deed recorded in said Registry in Book 7961, Page 194.

ANDROSCOGGIN COUNTY
TINA M CHOUINARD
REGISTER OF DEEDS

JP 7/8/19
P.P 7/8/19

Bk 10102 Pg250 #8943
06-13-2019 @ 10:50a

WARRANTY DEED

Mark C. Labonte, of Lewiston, County of Androscoggin, State of Maine, whose mailing address is **465 College Street, Lewiston, Maine 04240** ("Grantor"), for good and valuable consideration, GRANTS to

Central Maine Power Company, a corporation organized under the laws of the State of Maine, with offices at **83 Edison Drive, Augusta, Maine 04336 ("Grantee")**, its successors and assigns forever,

with WARRANTY COVENANTS,

a certain lot or parcel of land situated in the City of Lewiston, County of Androscoggin, State of Maine, being more particularly bounded and described as follows:

(SEE EXHIBIT A ATTACHED HERETO)

MAINE REAL ESTATE
TRANSFER TAX PAID

IN WITNESS WHEREOF, the Grantor has set his hand and seal this 30 day of May, 2019.

Mark C. Labonte

State of Maine
County of Androscoggin, ss

May 30, 2019

The above-named Mark C. Labonte, personally appeared before me and acknowledged the foregoing instrument to be his free act and deed.

Before me,

Notary Public/~~Attorney~~
Name: PEGGY DWYER
My Commission Expires: 6/11/2022

EXHIBIT A

A certain lot or parcel of land, being triangular in shape, in the City of Lewiston, County of Androscoggin and State of Maine, bounded and described as follows:

Beginning at the Grantor's southeasterly corner, also being the northeasterly corner of Peter J. Poliquin and Jennifer E. Poliquin, as described in a deed recorded in Book 7961, Page 194 with the Androscoggin County Registry of Deeds and also being a point on the westerly line of Central Maine Power Company ("CMP"), which is described in a deed from Albion B. Hyde and Edith B. Hyde, dated January 14, 1926 and recorded in Book 361, Page 33 with the said Registry of Deeds and currently improved as Transmission Line Section 72;

Thence generally westerly along said Poliquin's northerly line to a point on a line that is the southerly extension of the Grantor's easterly line;

Thence northerly along said southerly extension of the Grantor's easterly line to the westerly line of said CMP land and a point marked by an iron pin and the southernmost end of an existing fence line depicted on a plan entitled "Exhibit A Site Plan Maine Deliver Service", which is recorded at said Registry in Plan Book 36, Page 62;

Thence southeasterly along the westerly line of CMP to the point of beginning.

Said parcel of land contains 14,025 square feet (0.32 acres), more or less.

Meaning and intending to convey a portion of the premises conveyed in the deed from Dale C. Farnsworth and Kim Farnsworth to Mark C. Labonte dated October 31, 1994 and recorded in Book 3347, Page 114 of the Androscoggin County Registry of Deeds.

ANDROSCOGGIN COUNTY
TINA M CHOUINARD
REGISTER OF DEEDS

Bk 10149 Pg107 #13981
08-06-2019 @ 02:56p

WARRANTY DEED

Gregory E. Letourneau and Linda J. Letourneau, of Lewiston, County of Androscoggin, State of Maine, whose mailing address is **1651 Main Street, Lewiston, Maine 04240** ("Grantor"), for good and valuable consideration, GRANT to

Central Maine Power Company, a corporation organized under the laws of the State of Maine, with offices at **83 Edison Drive, Augusta, Maine 04336 ("Grantee")**, its successors and assigns forever,

with WARRANTY COVENANTS,

a certain lot or parcel of land situated in the City of Lewiston, County of Androscoggin, State of Maine, being more particularly bounded and described as follows:

(SEE EXHIBIT A ATTACHED HERETO)

MAINE REAL ESTATE
TRANSFER TAX PAID

IN WITNESS WHEREOF, the Grantors have set their hands and seals this 1st day of August, 2019.

Gregory E. Letourneau

Gregory E. Letourneau

Linda J. Letourneau

Linda J. Letourneau

State of Maine
County of Franklin, ss

8-1-, 2019

The above-named Gregory E. Letourneau and Linda J. Letourneau, personally appeared before me and acknowledged the foregoing instrument to be their free act and deed.

Before me,

Notary Public/~~Attorney~~
Name: Eben A. Thomas
My Commission Expires: 3/20/2022

SEAL

EXHIBIT A

A certain lot or parcel of land situated in the City of Lewiston, County of Androscoggin and State of Maine, bounded and described as follows:

Beginning at land, now or formerly of Leon K. and Patricia A. Ward (as described in a deed recorded at said Registry in Book 6917, Page 322); thence running in a generally northeasterly direction along the easterly edge of the right of way of Main Street (a/k/a Route 202) a distance of approximately 264 feet to land, now or formerly, of Vernon and Janice Hodgkin (as described in a deed recorded at said Registry in Book 1718, Page 55); thence at right angles along a southerly boundary of said Vernon and Janice Hodgkin in a southeasterly direction a distance of approximately 330 feet; thence at right angles in a southwesterly direction along the westerly boundary of said Hodgkin, a distance of approximately 264 feet to the land of Ward; thence at right angles in a northwesterly direction along the northerly boundary of Ward a distance of approximately 330 feet to Main Street and the point of beginning.

Meaning and intending to convey the same premises conveyed in the deed from Denis L. Jean and Kacie Allen (f/k/a Kacie E. Jean) to Gregory E. Letourneau and Linda J. Letourneau dated March 11, 1987 and recorded in Book 3747, Page 339 with the Androscoggin County Registry of Deeds.

Excepting and reserving a right of tenancy to Judy A. Letourneau for as long as she resides in house currently situated on the above-described premises. Grantors and said Judy A. Letourneau shall be allowed full and exclusive use of the dwelling structure. Grantee shall be able to use all property not encumbered by the structure for any and all legal use, including, but not limited to the right to construct, maintain, repair or rebuild an access road to access other land of the Grantee. Grantee will construct said road to facilitate Grantors access to the dwelling structure. Grantee will have the right to relocate well, septic and/or utilities necessary to construct said road provided such relocation does not materially impair Grantor's use of the dwelling structure. Grantor will be required to maintain tenants (HO-4) insurance, utilities, heat as well as standard maintenance items. Once Judy A. Letourneau vacates the dwelling, the above rights will be relinquished.

ANDROSCOGGIN COUNTY
TINA M CHOUINARD
REGISTER OF DEEDS

Bk 10149 Pg105 #13980
08-06-2019 @ 02:56p

WARRANTY DEED

Vernon L. Hodgkin, Jr. and Janice Hodgkin, of Lewiston, County of Androscoggin, State of Maine, whose mailing address is **1655 Main Street, Lewiston, Maine 04240** ("Grantor"), for good and valuable consideration, GRANT to

Central Maine Power Company, a corporation organized under the laws of the State of Maine, with offices at **83 Edison Drive, Augusta, Maine 04336 ("Grantee")**, its successors and assigns forever,

with WARRANTY COVENANTS,

a certain lot or parcel of land situated in the City of Lewiston, County of Androscoggin, State of Maine, being more particularly bounded and described as follows:

(SEE EXHIBIT A ATTACHED HERETO)

MAINE REAL ESTATE
TRANSFER TAX PAID

IN WITNESS WHEREOF, the Grantors have set their hands and seals this 31 day of July, 2019.

Vernon L. Hodgkin, Jr.

Janice Hodgkin

State of Maine
County of Androscoggin, ss

July 31st, 2019

The above-named Vernon L. Hodgkin, Jr. and Janice Hodgkin personally appeared before me and acknowledged the foregoing instrument to be their free act and deed.

Before me,

Notary Public/~~Attorney~~
Name: Eben A. Thomas
My Commission Expires: 3/20/2022

SEAL

EXHIBIT A

PARCEL ONE:
A certain lot or parcel of land located easterly of Route 202, in Lewiston, Androscoggin County, Maine and described as follows:

A parcel of land adjacent to an existing strip of land currently improved as Central Maine Power's Transmission Line Section 200; and as described in a deed from Olivine Bourassa to Central Securities Corporation recorded at the Androscoggin County Registry of Deeds in Book 408, Page 272;

Beginning at the southeasterly corner of land, now or formerly of Gregory E. Letourneau and Linda J. Letourneau, as described in a deed recorded at said Registry in Book 3747, Page 339; thence running in a generally northerly direction along the easterly boundary of Letourneau to the northeasterly corner of Letourneau a distance of approximately 264 feet;
Thence continuing on the same course in a northerly direction across land of Hodgkin to a point on the northerly line of Hodgkin and the southerly line of JFM No.2 Corporation, as described in a deed recorded at said Registry in Book 7380, Page 1, a distance of approximately 330 feet;
Thence easterly along land of JFM No.2 Corporation to the northeast corner of Hodgkin and the westerly edge of Central Maine Power Company's transmission line corridor Section 200, a distance of approximately 264 feet;
Thence southerly along the westerly edge of Central Maine Power Company's transmission line corridor Section 200 to the southeasterly corner of Hodgkin a distance approximately 561 feet;
Thence westerly along the northerly boundary of land, now or formerly, of Leon K. and Patricia A. Ward, as described in a deed recorded at said Registry in Book 1718, Page 55.

PARCEL TWO:
A triangular parcel of land beginning at the northeast corner of land, now or formerly of Gregory E. Letourneau and Linda J. Letourneau (as described in a deed recorded at said Registry in Book 3747, Page 339); thence running in a generally northerly direction across land of Hodgkin a distance of approximately 96 feet to a point; thence southwesterly across land of Hodgkin a distance of approximately 107 feet to a point on the northerly line of Letourneau; thence in an easterly direction along the northerly line of Letourneau a distance of approximately 66 feet to the point of beginning.

Meaning and intending to convey a portion of the premises conveyed in the deed from Michael F. L'Heureux and Joline A. L'Heureux and Daniel G. Lagueux and Linda A. Lagueux to Vernon L. Hodgkin, Jr. and Janice Hodgkin, dated May 1, 1984 and recorded in the Androscoggin County Registry of Deeds in Book 1718, Page 55.

V.J.H.
J.R.H.

ANDROSCOGGIN COUNTY
TINA M CHOUINARD
REGISTER OF DEEDS

Bk 9817 Pg72 #5411
04-09-2018 @ 03:38p

WARRANTY DEED

Louis C. Perron and **Roberta M. Perron,** of Lewiston, County of Androscoggin, State of Maine, whose mailing address **183 Merrill Road, Lewiston, Maine 04240** for good and valuable consideration, GRANT to

Central Maine Power Company, a corporation organized under the laws of the State of Maine, with a principal office in Augusta, Maine and whose mailing address is 83 Edison Drive, Augusta, Maine 04336, its successors and assigns forever,

with WARRANTY COVENANTS,

a certain lot or parcel of land situated in the City of Lewiston, County of Androscoggin, State of Maine, being more particularly bounded and described as follows:

(SEE EXHIBIT A ATTACHED HERETO)

and with QUITCLAIM COVENANT,

a certain triangular shaped lot or parcel of land situated in the City of Lewiston, County of Androscoggin, State of Maine, being more particularly bounded and described as follows:

(SEE EXHIBIT B ATTACHED HERETO)

MAINE REAL ESTATE
TRANSFER TAX PAID

IN WITNESS WHEREOF, the Grantors have set their hands and seals this 9 day of April, 2018.

Louis C. Perron

Louis C. Perron

Roberta M. Perron

Roberta M. Perron

State of Maine
County of Androscoggin, ss

April 9, 2018

The above-named Louis C. Perron and Roberta M. Perron, personally appeared before me and acknowledged the foregoing instrument to be their free act and deed.

Before me,

Notary Public/~~Attorney~~
Name: Eben A. Thomas
My Commission Expires: 3/20/2022

EXHIBIT A

A certain lot or parcel of land, situated in the City of Lewiston, County of Androscoggin and State of Maine, and being further bounded and described as follows:

Beginning at a 5/8" iron rebar with survey cap #2318 to be set on the southwesterly municipal boundary by and between The City of Lewiston and the Town of Greene at a point located at the northwesterly corner of land conveyed to Louis C. Perron and Roberta M. Perron by a deed dated July 26, 1984 and recorded in the Androscoggin County Registry of Deeds in Book 1745, Page 003, said point of beginning being N 55°-08'27"W a distance of 27.78 feet from a 5/8" iron rebar with survey cap #2259 set on the City of Lewiston and the Town of Greene municipal boundary;

Thence, southwesterly on a course of S 36°-46'-19" W along the southwesterly line of land of Perron a distance of nine hundred seventy-six and zero hundredths (976.00) feet to a 5/8" iron rebar with survey cap #2318 to be set;

Thence, northwesterly on a course of N 59°-26'-38" W through land conveyed to Louis C. Perron and Roberta M. Perron by a deed dated September 23, 1987 and recorded in the Androscoggin County Registry of Deeds in Book 2159, Page 240, a distance of seven hundred forty-five and forty hundredths (745.40) feet to a point located on the easterly line of land of Central Maine Power Company, as described in a deed of conveyance dated December 31, 1930 and recorded in the Androscoggin County Registry of Deeds in Book 407, Page 663 and reference to a deed of merger dated December 23, 2005 and recorded in the Androscoggin County Registry of Deeds in Book 3761, Page 304 and to a deed dated November 14, 1930 and recorded in the Androscoggin County Registry of Deeds in Book 407, Page 526;

Thence, northerly on a course of N 22°-59'-06" E along the easterly line of land of Central Maine Power Company a distance of nine twenty-nine and four hundredths (929.04) feet to a point located on the northwesterly line of LOT 79 of the City of Lewiston;

Thence, northeasterly on a course of N 38°-00'-54" E along the northwesterly line of LOT 79 a distance of one hundred twenty-two and forty-one hundredths (122.41) feet to a point located on the southwesterly municipal boundary by and between The City of Lewiston and the Town of Greene;

Thence, southeasterly on a course of S 55°-08'-27" E along said southwesterly municipal boundary, being the southwesterly line of land of George P. Schott as described in a deed dated April 12, 1996 and recorded in the Androscoggin County Registry of Deeds in Book 3580, Page 349, a distance of nine hundred sixty and twenty-nine hundredths (960.29) feet to the point and place of beginning. Containing 20.01 acres of land, more or less.

Bearings are based on a GPS Observation of Grid North.

The parcel herein conveyed and described above to include so much of the Grantor's land, if any, described in said deed recorded in the Androscoggin County Registry of Deeds in Book 1745,

EXHIBIT B
(Triangular Parcel)

The Grantor also hereby conveys the following premises with quitclaim covenant only:

A certain lot or parcel of land, situated in the City of Lewiston, County of Androscoggin, State of Maine, bounded and described as follows:

Beginning on the southwesterly municipal boundary by and between The City of Lewiston and the Town of Greene at a point located on the easterly line of land of Central Maine Power Company, as described in a deed of conveyance dated December 31, 1930 and recorded in the Androscoggin County Registry of Deeds in Book 407, Page 663 and reference to a deed of merger dated December 23, 2005 and recorded in the Androscoggin County Registry of Deeds in Book 3761, Page 304 and to a deed dated November 5, 1930 and recorded in the Androscoggin County Registry of Deeds in Book 408, Page 280, being the southwesterly line of land conveyed to George P. Schott by a deed dated April 12, 1996 and recorded in the Androscoggin County Registry of Deeds in Book 3580, Page 349;

Thence, southeasterly on a course of S 55°-08'-27" E along the southwesterly municipal boundary, being the southwesterly line of land of said Schott a distance of thirty-two and forty-four hundredths (32.44) feet to a point located on the northwesterly corner of LOT 79 of the City of Lewiston;

Thence, southwesterly on a course of S 38°-00'-54" W along the northwesterly line of LOT 79 a distance of one hundred twenty-two and forty-one hundredths (122.41) feet to a point located on the easterly line of land of Central Maine Power Company (408/280);

Thence, northerly on a course of N 22°-59'-06" E along the easterly line of land of Central Maine Power Company a distance of one hundred twenty-four and ninety hundredths (124.90) feet to the point and place of beginning. Containing 1,982.40 square feet (0.046 acres).

Bearings are based on a GPS Observation of Grid North.

Further reference is made to the Boundary Survey entitled "Perron Parcel" prepared by Sackett & Brake, Inc. dated June 12, 2017 to be recorded herewith.

Further reference is made to the Boundary Survey entitled "Perron Parcel" prepared by Sackett & Brake, Inc. dated June 12, 2017 to be recorded herewith.

Grantee, by acceptance of this conveyance, covenants and agrees with Grantor, their heirs and assigns, that Grantee will not construct and locate a permanent access road from the Merrill Road to the herein conveyed premises over or across that part of Grantee's land abutting Grantor's remaining land lying within the below described area :

> Beginning on the north line of Merrill Road at the southwest corner of Grantor's now remaining land as described in a deed to Grantor dated September 23, 1987 and recorded in the Androscoggin County Registry of Deeds in Book 2159, Page 240 and the southeast corner of Grantee's 400-foot-wide transmission line corridor designated Sections 200 and 251; thence northerly along the common line between Grantor and Grantee a distance of 750 feet; thence westerly across land of Grantee at a right angle a distance of 250 feet; thence southerly on a line parallel and 250 feet westerly of the common line between Grantor and Grantee a distance of 705 feet, more or less, to the northerly line of Merrill Road; thence easterly along the northerly line of Merrill Road a distance of 255 feet, more or less, to the point of beginning.

The aforesaid restriction is intended to benefit the now remaining abutting land of Grantor described above.

ANDROSCOGGIN COUNTY
TINA M CHOUINARD
REGISTER OF DEEDS

Bk 10270 Pg113 #24503
12-30-2019 @ 09:37a

QUITCLAIM RELEASE DEED
(WITHOUT COVENANT)

KNOW ALL BY THESE PRESENTS, that William B. Gladu & Michelle C. Gladu, husband and wife, of 193 Main Street Lewiston, Androscoggin County Maine ("Grantor") for one dollar and other consideration paid by **CENTRAL MAINE POWER COMPANY**, a Maine Corporation with offices at 83 Edison Drive, Augusta, Maine 04336, ("Grantee"), the receipt of which is hereby acknowledged, do hereby RELEASE unto the said Central Maine Power Company, its successors and assigns, forever, all our interest in a certain parcel of land located in Lewiston, Maine, being more particularly described on Exhibit A, attached hereto.

The terms Grantor and Grantee shall include their respective heirs, successors, executors, affiliates or assigns.

IN WITNESS WHEREOF, the said William B. Gladu & Michelle C. Gladu have hereunto set their hands and seals effective this 19 day of ~~September~~ P.D. November, 2019.

MAINE REAL ESTATE TRANSFER TAX PAID

Signed, Sealed and Delivered
in presence of:

Witness

William B. Gladu

Witness

Michelle C. Gladu

STATE OF MAINE
Androscoggin, ss.

Nov ~~Sept~~ P.D. 19, 2019

The above-named William B. Gladu personally appeared before me and acknowledged the above instrument to be his free act and deed.

Peggy Dwyer, Notary Public
My commission expires:6/11/2022

EXHIBIT A

William B. Gladu & Michelle C. Gladu
RELEASE to Central Maine Power Company

So much of our land as lies east of the easterly line of land of Central Maine Power Company, as described in a deed dated November 5, 1930, recorded in the Androscoggin County Registry of Deeds in Book 408, Page 280 and in a deed dated December 31, 1930 and in Book 407, Page 663;

and lies south of the southwesterly line of land conveyed to George P. Schott by a deed dated April 12, 1996 and recorded in said Registry in Book 3580, Page 349;

and lies west of the land described as Exhibit A in a deed dated April 9, 2018 from Louis C. Perron and Roberta M. Perron to Central Maine Power Company, recorded in said Registry in Book 9817 on Page 72 (The "Perron Parcel").

Being a small triangle of land beginning on the southwesterly municipal boundary by and between The City of Lewiston and the Town of Greene at a point located on the easterly line of said land of Central Maine Power Company, currently developed as transmission Line Section 200;

thence, southeasterly on a course of S 55°-08'-27" E along southwesterly municipal boundary, being the southwesterly line of land of said Schott a distance of thirty-two and forty-four hundredths (32.44) feet to a point located on the northwesterly corner of LOT 79 of the City of Lewiston;

thence, southwesterly on a course of S 38°-00'-54" W along the northwesterly line of LOT 79 and said Perron Parcel a distance of one hundred twenty-two and forty-one hundredths (122.41) feet to a point located on the easterly line of land of Central Maine Power Company (408/280);

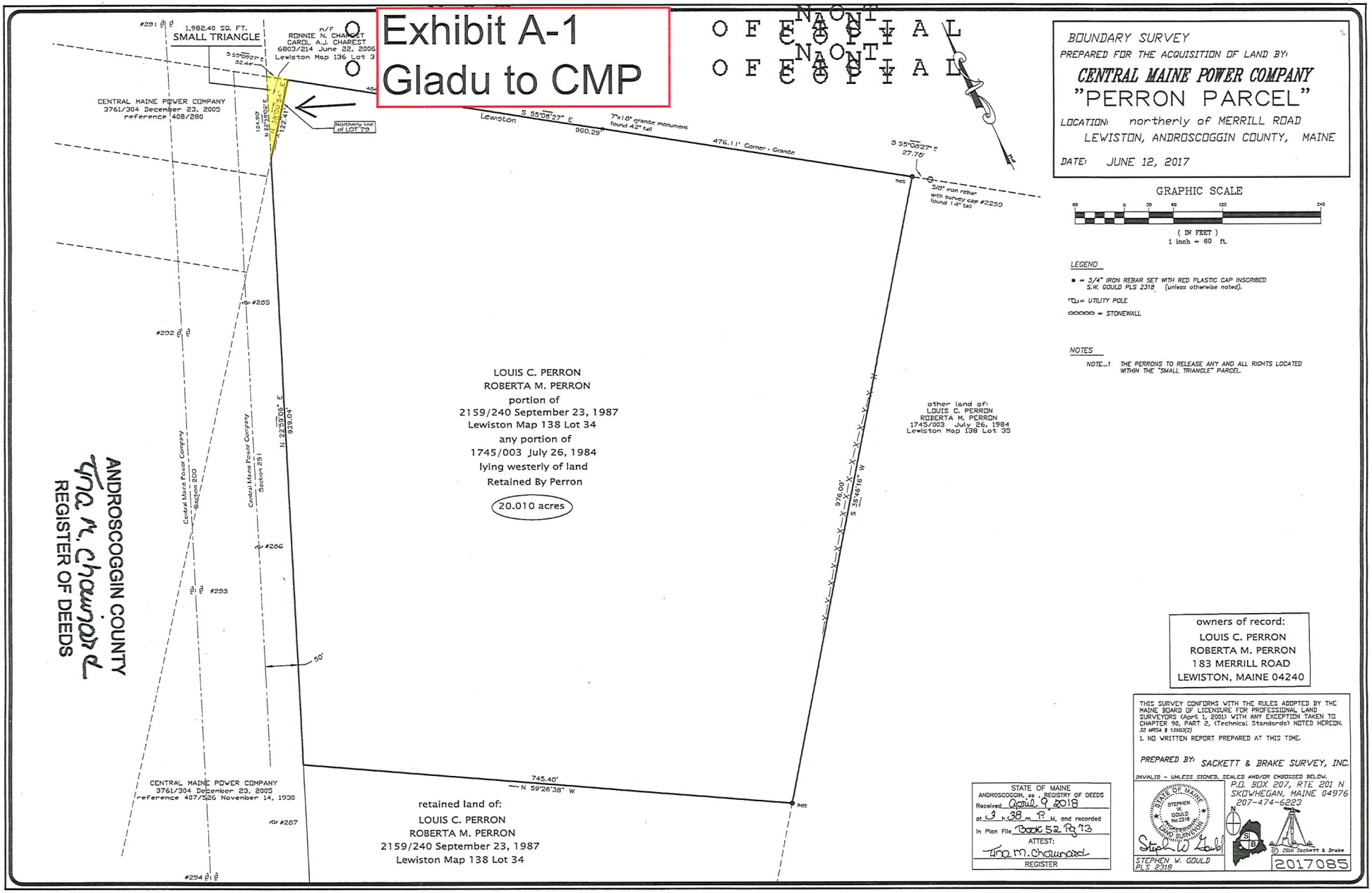
thence, northerly on a course of N 22°-59'-06" E along the easterly line of land of said Central Maine Power Company a distance of one hundred twenty-four and ninety (124.90) feet to the point and place of beginning. Containing 1,982.40 square feet (0.046 acres).

Bearings are based on a GPS Observation of Grid North.

For further reference see attached Exhibit A-1 being a boundary survey entitled "Perron Parcel" prepared by Sackett & Brake, Inc. dated June 12, 2017, recorded at said Registry in Plan Book 52 on Page 73.

MM
11/19/19

Exhibit A-1
Gladu to CMP



Bk 10189 Pg237 #17863
09-26-2019 @ 02:20p

QUITCLAIM RELEASE DEED
(WITHOUT COVENANT)

KNOW ALL BY THESE PRESENTS, that Ronnie N. Charest and Carol A.J. Charest, husband and wife, of 1759 Main Street Lewiston, Androscoggin County Maine (“Grantor”) for one dollar and other consideration paid by **CENTRAL MAINE POWER COMPANY**, a Maine Corporation with offices at 83 Edison Drive, Augusta, Maine 04336, (“Grantee”), the receipt of which is hereby acknowledged, do hereby RELEASE unto the said Central Maine Power Company, its successors and assigns, forever, all our interest in a certain parcel of land located in Lewiston, Maine, being more particularly described on Exhibit A, attached hereto.

The terms Grantor and Grantee shall include their respective heirs, successors, executors, affiliates or assigns.

IN WITNESS WHEREOF, the said Ronnie N. Charest and Carol A.J. Charest have hereunto set their hands and seals effective this 29 day of ~~July~~ AUGUST, 2018.

MAINE REAL ESTATE
TRANSFER TAX PAID

Signed, Sealed and Delivered
in presence of:

Witness

Witness

Ronnie N. Charest

Carol A.J. Charest

STATE OF MAINE
Androscoggin, ss.

The above-named Carol A.J. Charest personally appeared before me and acknowledged the above instrument to be her free act and deed.

Peggy Dwyer, Notary Public
My commission expires:6/11/2022

EXHIBIT A

Ronnie N. Charest and Carol A.J. Charest
RELEASE to Central Maine Power Company

So much of our land as lies east of the easterly line of land of Central Maine Power Company, as described in a deed dated November 5, 1930, recorded in recorded in the Androscoggin County Registry of Deeds in Book 408, Page 280 and in a deed dated December 31, 1930 and in Book 407, Page 663;

and lies south of the southwesterly line of land conveyed to George P. Schott by a deed dated April 12, 1996 and recorded in said Registry in Book 3580, Page 349;

and lies west of the land described as Exhibit A in a deed dated April 9, 2018 from Louis C. Perron and Roberta M. Perron to Central Maine Power Company, recorded in said Registry in Book 9817 on Page 72 (The "Perron Parcel").

Being a small triangle of land beginning on the southwesterly municipal boundary by and between The City of Lewiston and the Town of Greene at a point located on the easterly line of said land of Central Maine Power Company, currently developed as transmission Line Section 200;

thence, southeasterly on a course of S 55°-08'-27" E along southwesterly municipal boundary, being the southwesterly line of land of said Schott a distance of thirty-two and forty-four hundredths (32.44) feet to a point located on the northwesterly corner of LOT 79 of the City of Lewiston;

thence, southwesterly on a course of S 38°-00'-54" W along the northwesterly line of LOT 79 and said Perron Parcel a distance of one hundred twenty-two and forty-one hundredths (122.41) feet to a point located on the easterly line of land of Central Maine Power Company (408/280);

thence, northerly on a course of N 22°-59'-06" E along the easterly line of land of said Central Maine Power Company a distance of one hundred twenty-four and ninety (124.90) feet to the point and place of beginning. Containing 1,982.40 square feet (0.046 acres).

Bearings are based on a GPS Observation of Grid North.

For further reference see attached Exhibit A-1 being a boundary survey entitled "Perron Parcel" prepared by Sackett & Brake, Inc. dated June 12, 2017, recorded at said Registry in Plan Book 52 on Page 73.

R. C.
C. A. C. 8/29/2019

ANDROSCOGGIN COUNTY
TINA M CHOUINARD
REGISTER OF DEEDS

Exhibit 6-1: Visual Impact Photosimulations (Revised)

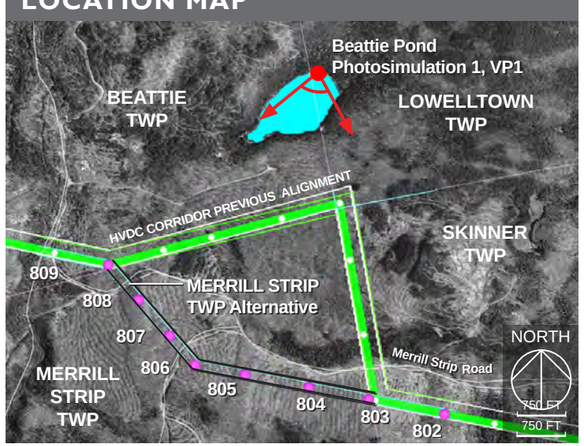
PHOTOSIMULATION 1, VIEWPOINT 1: BEATTIE POND, LOWELLTOWN TWP

REV 1: PSIM #1 - Revised 2020
Date: August 7, 2020

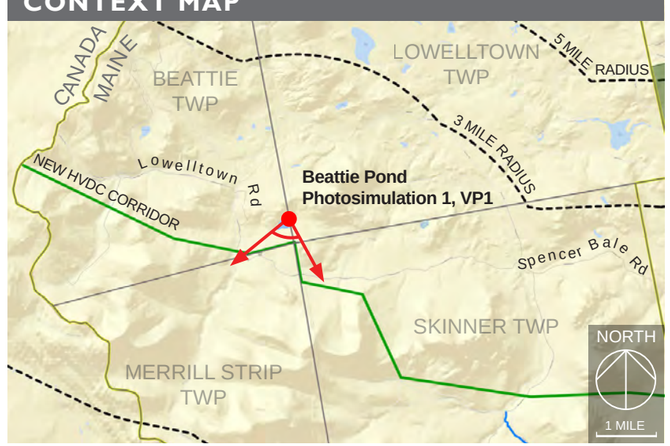
NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 1: Panoramic view looking southeast to southwest from the northern end of Beattie Pond toward the proposed HVDC transmission line. Beattie Pond is a Management Class 6, Remote Pond. No structures will be visible. Conductors and shield wires will be minimally visible through filtered views due to intervening vegetation. Existing topography and shoreline vegetation will screen the rest of the Project from view. Merrill Mountain is visible on the right side of the image. See Appendix B: Study Area Photographs for additional images.

LOCATION MAP

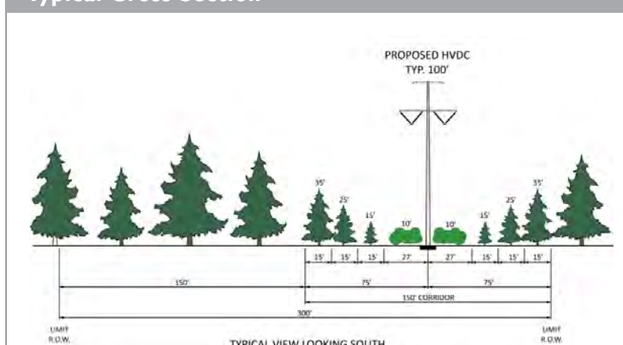


CONTEXT MAP



TECHNICAL INFORMATION

Typical Cross Section



Photograph Information

Location	45.503894°, -70.631858°
Viewing Direction	Southeast to Southwest
Horizontal Angle of View	86°
Date and Time	07/26/17 at 12:46 pm
Camera Focal Length	35 mm
Camera Make/Model	Nikon D5500
Photo Source	TJD&A
Proposed Structures Visible	0
Approximate Distance to Nearest Visible Structure	4,834 feet (0.91 miles)

CENTRAL MAINE POWER

tjd&a

EXISTING CONDITIONS 1B, VIEWPOINT 1: BEATTIE POND, LOWELLTOWN TWP

REV 1: PSIM #1 - Revised 2020
Date: August 7, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Existing Conditions 1B, Viewpoint 1: Normal view looking south from the northern end of Beattie Pond.

PHOTOSIMULATION 1B, VIEWPOINT 1: BEATTIE POND, LOWELLTOWN TWP

REV 1: PSIM #1 - Revised 2020
Date: August 7, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 1B, Viewpoint 1: Normal view looking southwest from the northern end of Beattie Pond toward the proposed HVDC transmission line. No structures will be visible. Conductors and shield wires will be minimally visible through filtered views due to intervening vegetation.

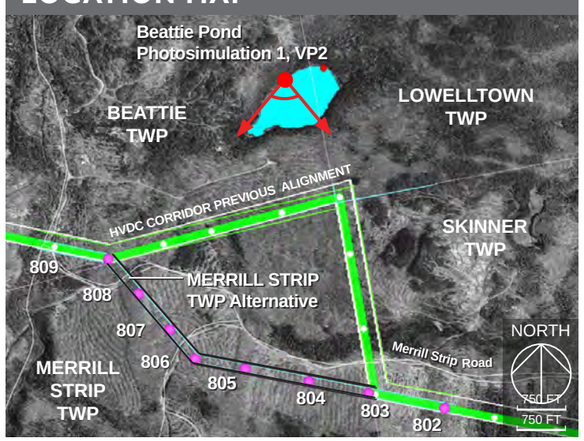
PHOTOSIMULATION 1, VIEWPOINT 2: BEATTIE POND, LOWELLTOWN TWP

REV 1: PSIM #1 - Revised 2020
Date: August 7, 2020

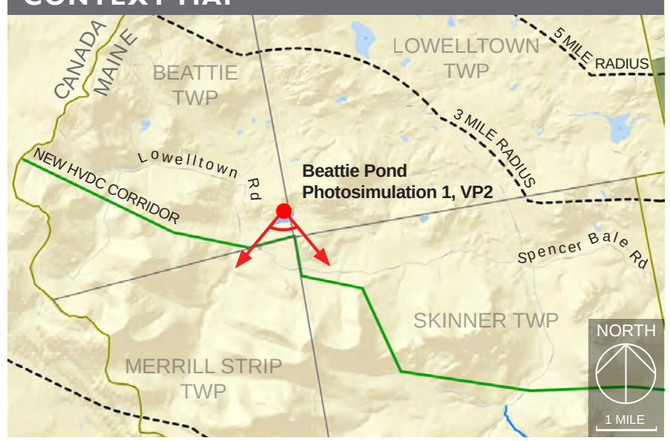
NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 1, Viewpoint 2: Panoramic view looking south to southwest near the northwestern shore of Beattie Pond toward the proposed HVDC transmission line. Beattie Pond is a Management Class 6, Remote Pond. Two structures will be visible from this viewpoint. Conductors and shield wires will be minimally visible through filtered views due to intervening vegetation. Existing topography and shoreline vegetation will screen the rest of the Project from view. See Appendix B: Study Area Photographs for additional images.

LOCATION MAP

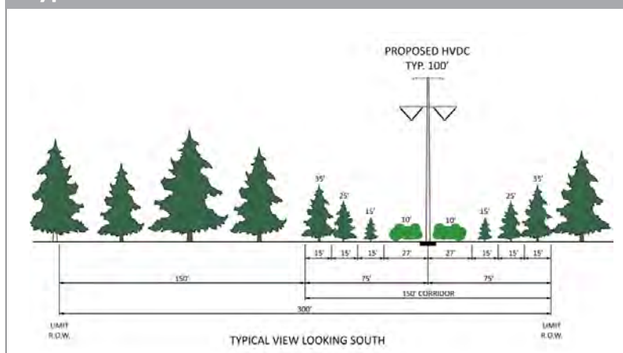


CONTEXT MAP



TECHNICAL INFORMATION

Typical Cross Section



Photograph Information

Location	45.503180°, -70.634209°
Viewing Direction	Southeast to Southwest
Horizontal Angle of View	86°
Date and Time	07/26/17 at 12:50 pm
Camera Focal Length	35 mm
Camera Make/Model	Nikon D5500
Photo Source	TJD&A
Proposed Structures Visible	2
Approximate Distance to Nearest Visible Structure	4,119 feet (0.78 miles)

CENTRAL MAINE POWER

tjd&a

EXISTING CONDITIONS 1C, VIEWPOINT 2: BEATTIE POND, LOWELLTOWN TWP

REV 1: PSIM #1 - Revised 2020
Date: August 7, 2020

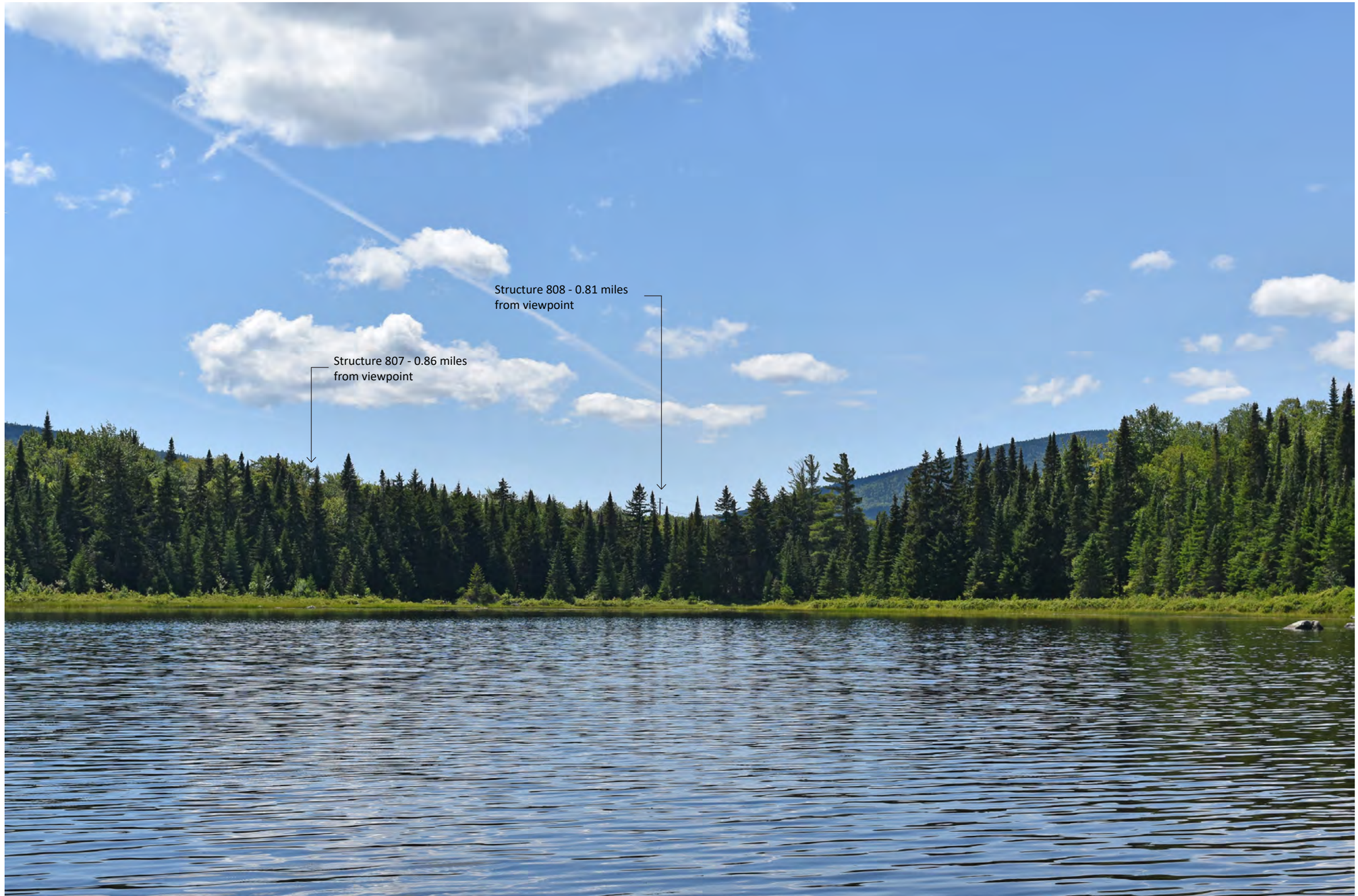
NEW ENGLAND CLEAN ENERGY CONNECT

Existing Conditions 1C, Viewpoint 2: Normal view looking southwest near the northwestern shore of Beattie Pond.

PHOTOSIMULATION 1C, VIEWPOINT 2: BEATTIE POND, LOWELLTOWN TWP

REV 1: PSIM #1 - Revised 2020
Date: August 7, 2020

NEW ENGLAND CLEAN ENERGY CONNECT



Photosimulation 1C, Viewpoint 2: Normal view looking southwest near the northwestern shore of Beattie Pond. The tops of two structures and associated conductors and shield wires, will be minimally visible through intervening vegetation.

PHOTOSIMULATION 2:WING POND, LOWELLTOWN TWP

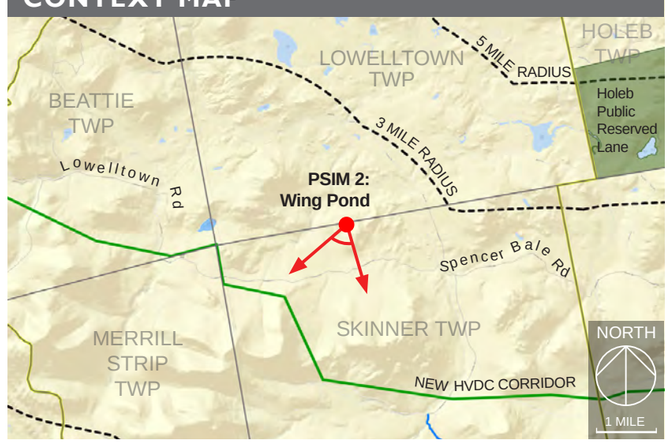
REV 1: PSIM #2 - Revised 2020
Date: August 7, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 2: Panoramic view looking south to southwest from the northern end of Wing Pond toward the proposed HVDC transmission line. Four structures and conductors will be visible in existing harvested areas at the base of Smart Mountain at a distance of 1.6 to 1.8 miles from this viewpoint. Wing Pond is a Management Class 6, Remote Pond. There are no camps on this Pond. See Appendix B: Study Area Photographs for additional images.

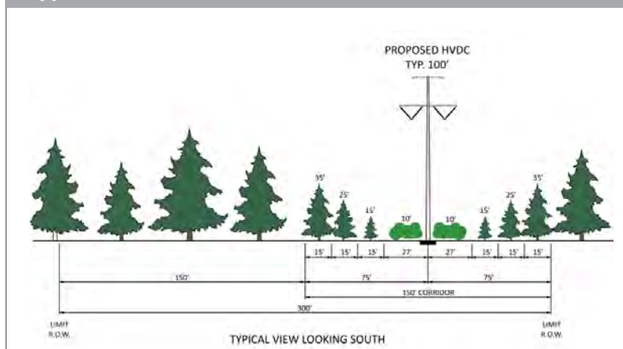
LOCATION MAP

CONTEXT MAP



TECHNICAL INFORMATION

Typical Cross Section



Photograph / Photosimulation Information

Location	45.503707°, -70.587198°
Viewing Direction	South to Southwest
Horizontal Angle of View	60°
Date and Time	07/26/17 at 11:09 am
Camera Focal Length	35 mm
Camera Make/Model	Nikon D5500
Photo Source	TJD&A
Proposed Structures Visible	4
Approximate Distance to Nearest Visible Structure	1.6 miles

CENTRAL MAINE POWER | tjd&a

PHOTOSIMULATION 2A:WING POND, LOWELLTOWN TWP

REV 1: PSIM #2 - Revised 2020
Date: August 7, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 2A: Normal view looking southwest from Wing Pond toward the proposed HVDC transmission line. Four structures and conductors will be visible at a distance of 1.6 to 1.8 miles from this viewpoint.

PHOTOSIMULATION 3: ROCK POND, T5 R6 BKP WKR

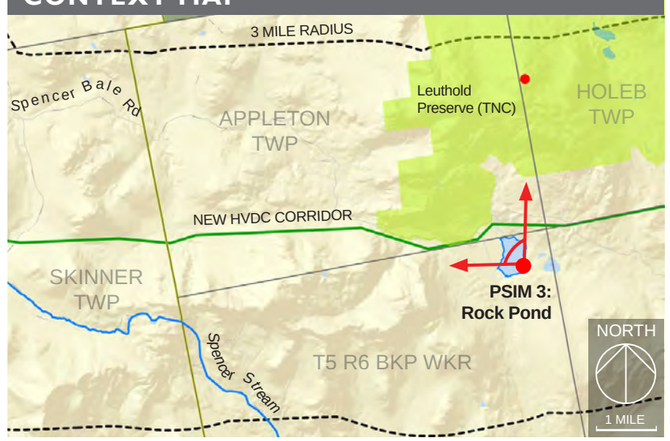
REV 1: PSIM #3 - Revised 2020
Date: August 7, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 3: Panoramic view looking west to north from the southeast end of Rock Pond toward the proposed HVDC transmission line. Approximately 16 structures, conductors, and portions of the tapered vegetation corridor will be visible at distances of 0.7 to 2.5 miles from this viewpoint. A portion of the tapered vegetation corridor will be visible between Three Slide and Greenlaw Mountains. Visible mountains from left to right: Three Slide Mountain, Greenlaw Mountain, No. 6 Mountain, and No. 5 Mountain.
See Appendix B: Study Area Photographs for additional images.

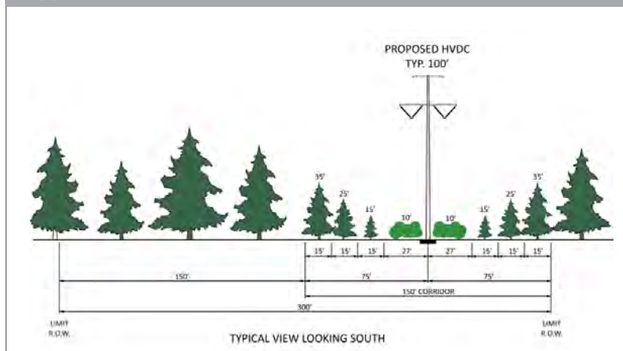
LOCATION MAP

CONTEXT MAP



TECHNICAL INFORMATION

Typical Cross Section



Photograph / Photosimulation Information

Location	45.457577°, -70.387233°
Viewing Direction	West to North
Horizontal Angle of View	94°
Date and Time	07/25/17 at 2:29 pm
Camera Focal Length	35 mm
Camera Make/Model	Nikon D5500
Photo Source	TJD&A
Proposed Structures Visible	16
Approximate Distance to Nearest Visible Structure	0.7 miles

CENTRAL MAINE POWER

tjd&a

PHOTOSIMULATION 3A: ROCK POND, T5 R6 BKP WKR

Photosimulation 3A: Normal view looking northwest from the southeast end of Rock Pond toward the proposed HVDC transmission line. Approximately 11 structures and associated conductors will be visible in the tapered vegetation corridor in the valley between Three Slide and Greenlaw Mountains.

EXISTING CONDITIONS 3B: ROCK POND, T5 R6 BKP WKR

Existing Conditions 3B: Normal view looking north from the southeast end of Rock Pond. Greenlaw Mountain is visible on the left side of the image. No. 6 Mountain is visible on the right side of the image.

PHOTOSIMULATION 3B: ROCK POND, T5 R6 BKP WKR

Photosimulation 3B: Normal view looking north from the southeast end of Rock Pond toward the proposed HVDC transmission line. Three structures, conductors, and portions of the tapered vegetation corridor will be visible at distances of 0.6 to 0.8 miles from this viewpoint.

EXISTING CONDITIONS 3C: ROCK POND, T5 R6 BKP WKR

Existing Conditions 3C: Normal view looking northeast from the southeast end of Rock Pond. No. 6 Mountain is visible on the left side of the image. No. 5 Mountain is visible on the right side of the image.

PHOTOSIMULATION 3C: ROCK POND, T5 R6 BKP WKR

Photosimulation 3C: Normal view looking northeast from the southeast end of Rock Pond. Two structures, conductors, and portions of the tapered vegetation corridor will be visible against a wooded hillside at distances of 0.6 to 0.8 miles from this viewpoint.

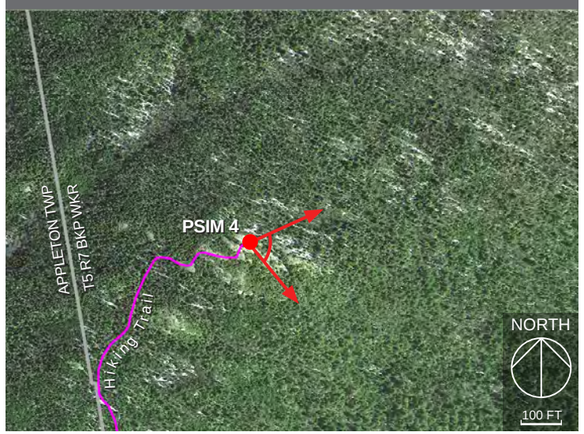
PHOTOSIMULATION 4: NO. 5 MOUNTAIN, T5 R7 BKP WKR

REV 1: PSIM #4 - Revised 2020
Date: August 7, 2020

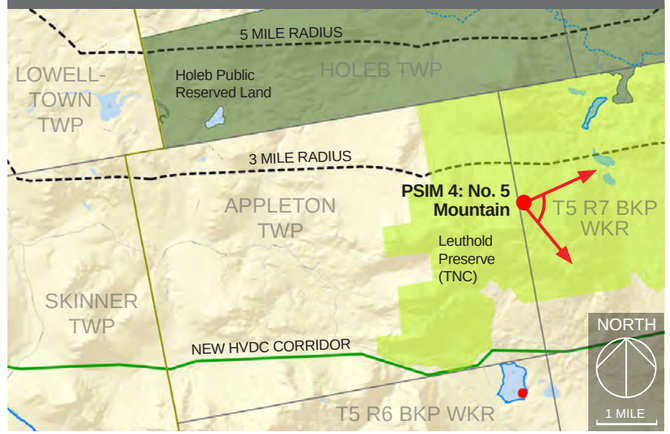
NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 4: Panoramic view looking northeast to southeast from No. 5 Mountain within the Leuthold Preserve, toward the proposed HVDC transmission line. The closest visible portion of the proposed 150' tapered vegetation corridor will be 3.7 miles from this viewpoint. No. 6 Mountain screens the closest portions of the project from view. Coburn Mountain, Whipple Pond, and Hall Pond are visible in the center of the image. Fish Pond is visible on the right side of the image. See Appendix B: Study Area Photographs for additional images. Due to updated engineering and surface data, the corridor location has shifted slightly as seen from this viewpoint.

LOCATION MAP

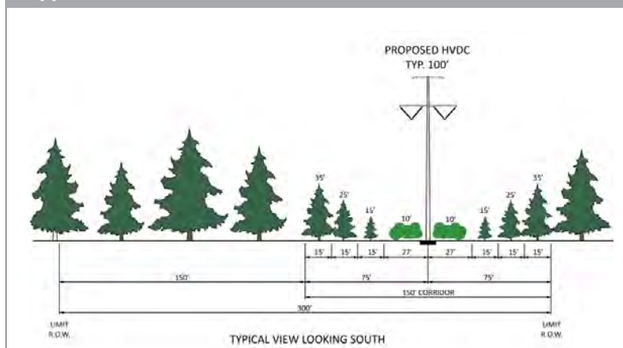


CONTEXT MAP



TECHNICAL INFORMATION

Typical Cross Section



Photograph / Photosimulation Information

Location	45.501158°, -70.386923°
Viewing Direction	Northeast to Southeast
Horizontal Angle of View	75°
Date and Time	06/15/17 at 9:36 am
Camera Focal Length	35 mm
Camera Make/Model	Nikon D5500
Photo Source	TJD&A
Proposed Structures Visible	3.7 miles to nearest visible
Approximate Distance to Nearest Visible Structure	3.7 miles

CENTRAL MAINE POWER

tjd&a

PHOTOSIMULATION 4A: NO. 5 MOUNTAIN, T5 R7 BKP WKR

REV 1: PSIM #4 - Revised 2020
Date: August 7, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 4A: Normal view looking east from No. 5 Mountain toward the proposed HVDC transmission line. The closest visible portions of the 150' tapered vegetation corridor will be partially visible at a distance of 3.7 miles from this viewpoint.

EXISTING CONDITIONS 4B: NO. 5 MOUNTAIN, T5 R7 BKP WKR

Existing Conditions 4B: Normal view looking southeast from No. 5 Mountain. Coburn Mountain, Whipple Pond, and Hall Pond are visible on the left side of the image.

PHOTOSIMULATION 4B: NO. 5 MOUNTAIN, T5 R7 BKP WKR

REV 1: PSIM #4 - Revised 2020
Date: August 7, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 4B: Normal view looking southeast from No. 5 Mountain. The closest visible portions of the 150' tapered vegetation corridor will be partially visible at a distance of 3.7 miles from this viewpoint.

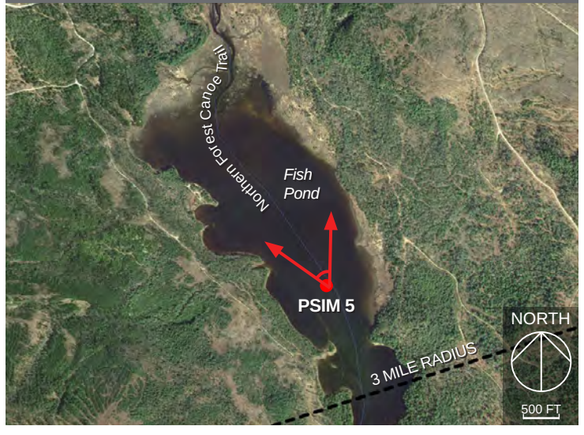
PHOTOSIMULATION 5: FISH POND, Hobbstown Twp

REV 1: PSIM #5 - Revised 2020
Date: August 7, 2020

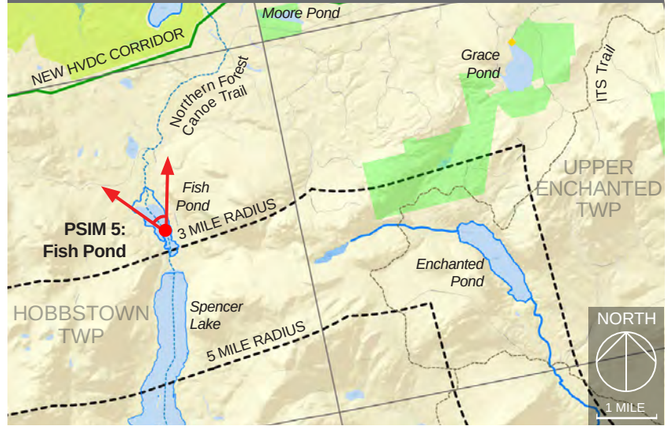
NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 5: Panoramic view looking northwest to north from near the eastern shore of Fish Pond toward the proposed HVDC transmission line. Fish Pond is a scenic resource rated as 'Significant' in the Maine Wildlands Lake Assessment. No. 6 Mountain and No. 5 Mountain are visible on the left side of the image. The tops of three structures and conductors will be visible at distances of 3.1 to 3.8 miles from this viewpoint. See Appendix B: Study Area Photographs for additional images.

LOCATION MAP

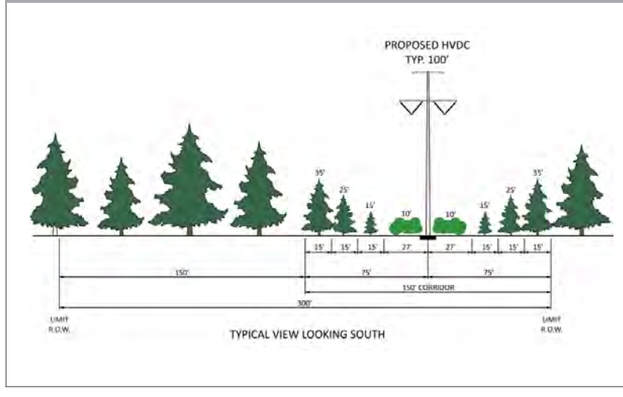


CONTEXT MAP



TECHNICAL INFORMATION

Typical Cross Section



Photograph / Photosimulation Information

Location	45.439868°, -70.294360°
Viewing Direction	Northwest to North
Horizontal Angle of View	60°
Date and Time	07/25/17 at 1:11 pm
Camera Focal Length	35 mm
Camera Make/Model	Nikon D5500
Photo Source	TJD&A
Proposed Structures Visible	3
Approximate Distance to Nearest Visible Structure	3.1 miles

CENTRAL MAINE POWER

tjd&a

PHOTOSIMULATION 5A: FISH POND, Hobbstown Twp

Photosimulation 5A: Normal view looking northwest from Fish Pond toward the proposed HVDC transmission line. Top portions of three structures will be visible at distances of 3.1 to 3.8 miles from this viewpoint. The project will mostly be screened from view by shoreline vegetation and topography.

PHOTOSIMULATION 5A: FISH POND, Hobbstown Twp

Photosimulation 5A: Normal view looking northwest from Fish Pond toward the proposed HVDC transmission line. Top portions of three structures will be visible at distances of 3.1 to 3.8 miles from this viewpoint. The project will mostly be screened from view by shoreline vegetation and topography.

PHOTOSIMULATION 6: ROUTE 201, ATTEAN VIEW REST AREA, Jackman

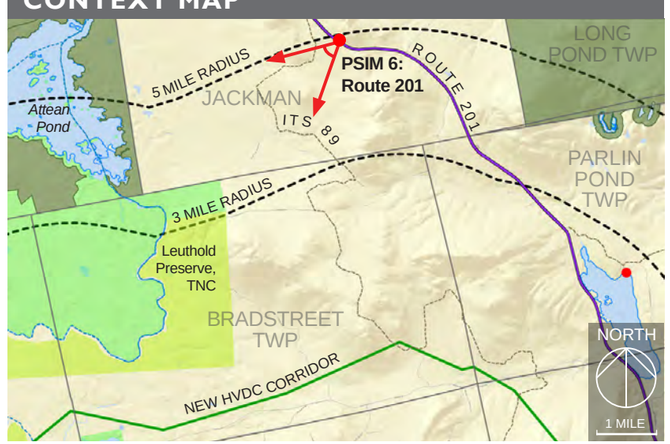
REV 1: PSIM #6 - Revised 2020
Date: August 7, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 6: Panoramic view looking southeast to southwest toward the proposed HVDC transmission line. Individual HVDC structures as well as the tapered vegetation corridor will be visually indistinct with the un-aided eye at this distance. Route 201 in this location is the Old Canada Road National Scenic Byway. Attean Pond, No. 5 Bog, and the Moose River are visible in the valley view. Wind Projects in Quebec, Canada are visible from this location to the northwest at a distance of 14 miles. See Appendix B: Study Area Photographs for additional images. Due to updated engineering and surface data, the corridor location has shifted slightly as seen from this viewpoint.

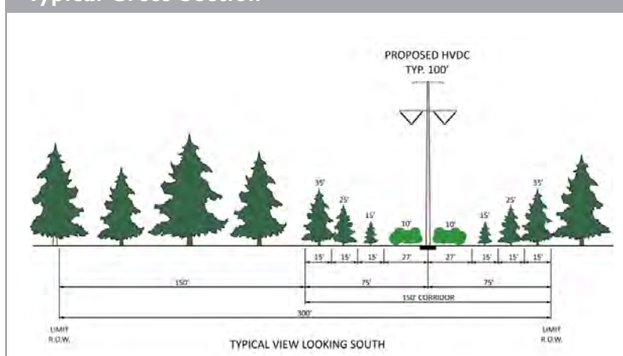
LOCATION MAP

CONTEXT MAP



TECHNICAL INFORMATION

Typical Cross Section



Photograph / Photosimulation Information

Location	45.583071°, -70.179328°
Viewing Direction	Southeast to Southwest
Horizontal Angle of View	77°
Date and Time	06/8/17 a 8:20 am
Camera Focal Length	35 mm
Camera Make/Model	Nikon D5500
Photo Source	TJD&A
Proposed Structures Visible	Structures and corridor minimally visible
Approximate Distance to Nearest Visible Structure	7.1 miles to corridor

CENTRAL MAINE POWER

tjd&a

PHOTOSIMULATION 6A: ROUTE 201, ATTEAN VIEW REST AREA, Jackman

REV 1: PSIM #6 - Revised 2020
Date: August 7, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 6A: Normal view looking southwest toward the proposed HVDC transmission line. Individual HVDC structures as well as the tapered vegetation corridor will be visually indistinct with the un-aided eye at this distance. The corridor is located 7.1 to 12.0 miles away from this viewpoint.

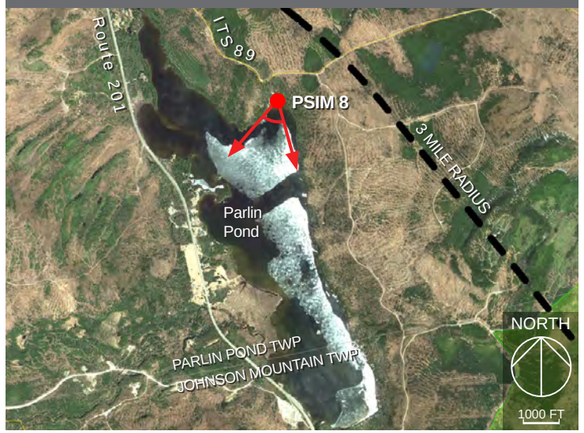
PHOTOSIMULATION 7: PARLIN POND, Parlin Pond Twp

REV 1: PSIM #7 - Revised 2020
Date: August 7, 2020

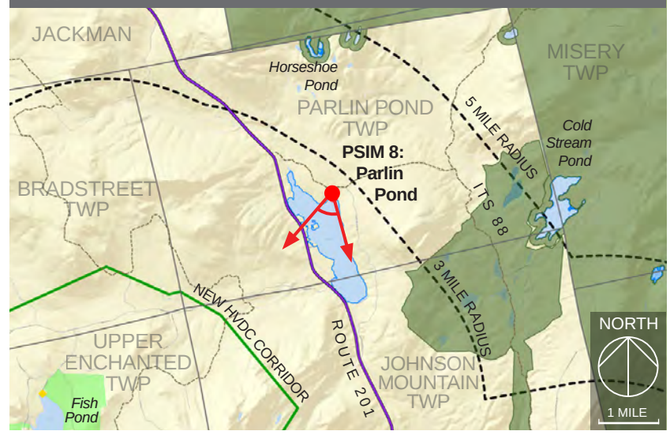
NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 7: Panoramic view looking south to southwest from the northern end of Parlin Pond toward the proposed HVDC transmission line. Five structures, conductors, and portions of the tapered vegetation corridor will be visible crossing the shoulder of Coburn Mountain at a distance of approximately 2.7 miles from this viewpoint. Due to updated engineering and surface data, the corridor location has shifted slightly as seen from this viewpoint.

LOCATION MAP

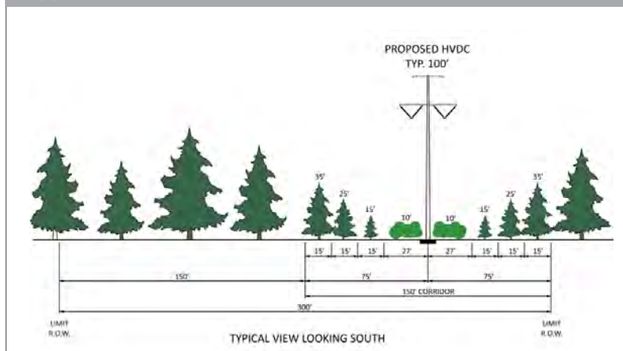


CONTEXT MAP



TECHNICAL INFORMATION

Typical Cross Section



Photograph / Photosimulation Information

Location	45.529475°, -70.084448°
Viewing Direction	South to Southwest
Horizontal Angle of View	74°
Date and Time	06/08/17 at 7:38 am
Camera Focal Length	35 mm
Camera Make/Model	Nikon D7100
Photo Source	TJD&A
Proposed Structures Visible	5
Approximate Distance to Nearest Visible Structure	2.7 miles

CENTRAL MAINE POWER

tjd&a

PHOTOSIMULATION 7A: PARLIN POND, Parlin Pond Twp

REV 1: PSIM #7 - Revised 2020
Date: August 7, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 7A: Normal view looking south from Parlin Pond toward the proposed HVDC transmission line. Five structures, conductors, and portions of the tapered vegetation corridor will be visible crossing the shoulder of Coburn Mountain at a distance of approximately 2.7 miles from this viewpoint.

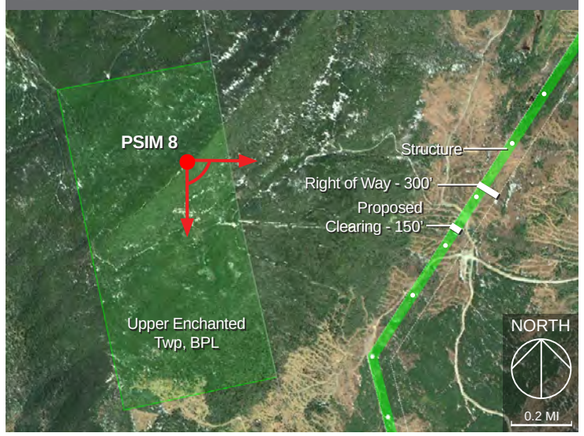
PHOTOSIMULATION 8: COBURN MOUNTAIN, Upper Enchanted Twp

REV 1: PSIM #8 - Revised 2020
Date: August 7, 2020

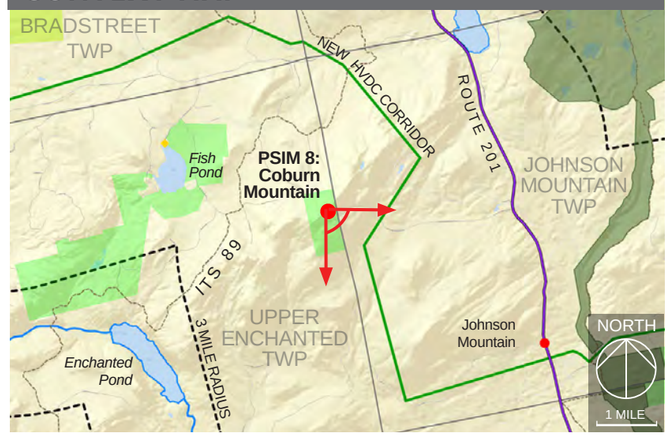
NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 8: Panoramic view looking east to south from the summit of Coburn Mountain toward the proposed HVDC transmission line. Portions of the new tapered vegetation corridor will be visible in the midground on the west side of Johnson Mountain and in the background to the southeast. The closest visible structure will be 1.2 miles from this viewpoint. Due to updated engineering and surface data, the corridor location has shifted slightly as seen from this viewpoint.

LOCATION MAP

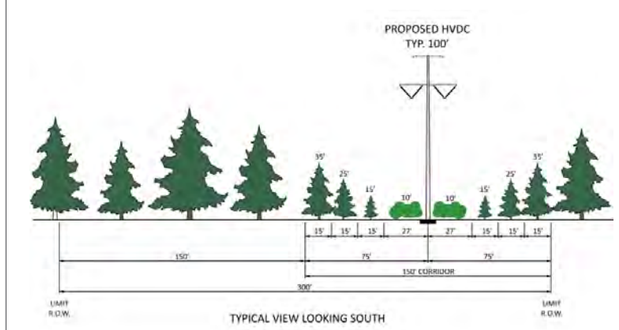


CONTEXT MAP



TECHNICAL INFORMATION

Typical Cross Section



Photograph / Photosimulation Information

Location	45.468388°, -70.126602°
Viewing Direction	East to South
Horizontal Angle of View	90°
Date and Time	06/14/17 at 1:19 pm
Camera Focal Length	35 mm
Camera Make/Model	Nikon D5500
Photo Source	TJD&A
Proposed Structures Visible	10 within 3 miles
Approximate Distance to Nearest Visible Structure	1.2 miles

CENTRAL MAINE POWER | tjd&a

PHOTOSIMULATION 8A: COBURN MOUNTAIN, Upper Enchanted Twp

REV 1: PSIM #8 - Revised 2020
Date: August 7, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 8A: Normal view looking east from Coburn Mountain toward the proposed HVDC transmission line. The proposed tapered vegetation corridor and portions of HVDC transmission line structures will be visible in the background to the southeast in the midground on Johnson Mountain.

PHOTOSIMULATION 8B: COBURN MOUNTAIN, Upper Enchanted Twp

REV 1: PSIM #8 - Revised 2020
Date: August 7, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 8B: Normal view looking southeast from Coburn Mountain toward the proposed HVDC transmission line. Portions of the new tapered vegetation corridor will be visible in the midground on the west side of Johnson Mountain. The closest visible structure will be 1.2 miles from this viewpoint.

PHOTOSIMULATION 9: ROUTE 201, Johnson Mountain Twp

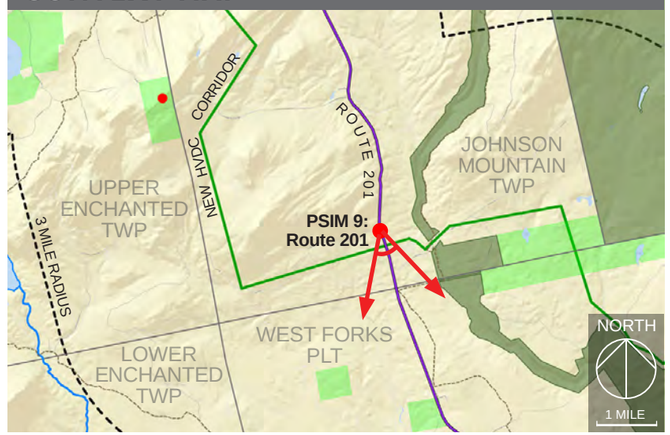
REV 1: PSIM #9 - Revised 2020
Date: August 7, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimuation 9: Panoramic view looking southeast to southwest from the intersection of Judd Road and Route 201, 1,240' north of the proposed HVDC transmission line. The tapered vegetation corridor, shield wires, and conductors crossing over Route 201 will be visible from this viewpoint. Route 201 in this location is the Old Canada Road National Scenic Byway. Due to updated engineering and surface data, the corridor location has shifted slightly as seen from this viewpoint.

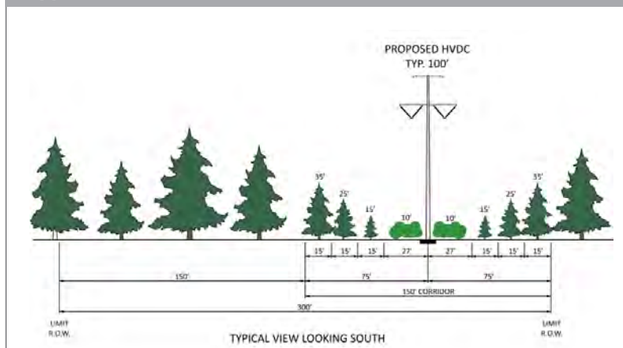
LOCATION MAP

CONTEXT MAP



TECHNICAL INFORMATION

Typical Cross Section



Photograph / Photosimulation Information

Location	45.437868°, -70.054735°
Viewing Direction	Southeast to Southwest
Horizontal Angle of View	68°
Date and Time	06/08/17 at 4:26 pm
Camera Focal Length	35 mm
Camera Make/Model	Nikon D7100
Photo Source	TJD&A
Proposed Structures Visible	0
Approximate Distance to Nearest Visible Structure	1,240 feet to corridor

CENTRAL MAINE POWER

tjd&a

PHOTOSIMULATION 9A: ROUTE 201, Johnson Mountain Twp

REV 1: PSIM #9 - Revised 2020
Date: August 7, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 9A: Normal view looking south from Route 201 toward the proposed HVDC transmission line. The tapered vegetation corridor and conductors crossing over Route 201 will be visible from this viewpoint. The proposed structures will be setback 230' to the east and 770' to the west. Route 201 in this location is the Old Canada Road National Scenic Byway.

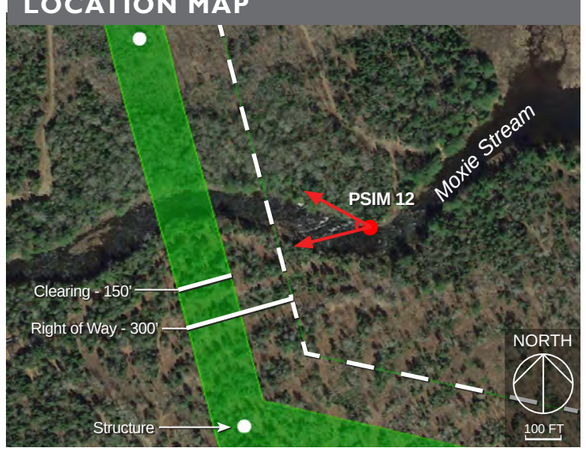
PHOTOSIMULATION 12: MOXIE STREAM, Moxie Gore

REV 1: PSIM #12 - Revised 2020
Date: October 21, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Proposed Conditions: Panoramic view looking west to northwest from the northern shoreline of Moxie Stream toward the proposed HVDC transmission line crossing. The conductors crossing over the stream will be visible for approximately 800' on the upstream side approaching the crossing and approximately 1,000' on the downstream side of the crossing. The HVDC transmission line structures will be setback 443' from the stream on the north side, and 647' from the stream on the south side. Riparian corridor vegetation will be preserved at 35 feet in height on both sides of the stream to benefit wildlife habitat and minimize views of the cleared corridor from the stream. Moxie Stream is designated as a scenic stream in the Maine Rivers Study. See Appendix B: Study Area Photographs for additional images.

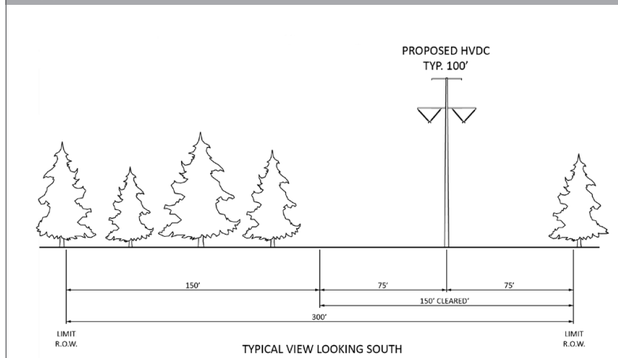
LOCATION MAP



CONTEXT MAP

TECHNICAL INFORMATION

Typical Cross Section



Photograph / Photosimulation Information

Location	45.360744°, -69.911028°
Viewing Direction	West to Northwest
Horizontal Angle of View	68°
Date and Time	06/14/17 at 2:59 pm
Camera Focal Length	35 mm
Camera Make/Model	Nikon D7100
Photo Source	TJD&A
Proposed Structures Visible	0 from this viewpoint 4 from within corridor
Approximate Distance to Nearest Visible Structure	450 ft to corridor crossing

CENTRAL MAINE POWER

tjd&a

PHOTOSIMULATION 12A: MOXIE STREAM, Moxie Gore

Proposed Conditions: Normal view looking west from the northern shoreline of Moxie Stream toward the proposed HVDC transmission line crossing. The conductors crossing over the stream will be visible for approximately 800' on the upstream side approaching the crossing and approximately 1,000' on the downstream side of the crossing. Riparian corridor vegetation will be preserved at 35 feet in height on both sides of the stream to benefit wildlife habitat and minimize views of the cleared corridor from the stream.

PHOTOSIMULATION 13: MOXIE POND - North, East Moxie Twp

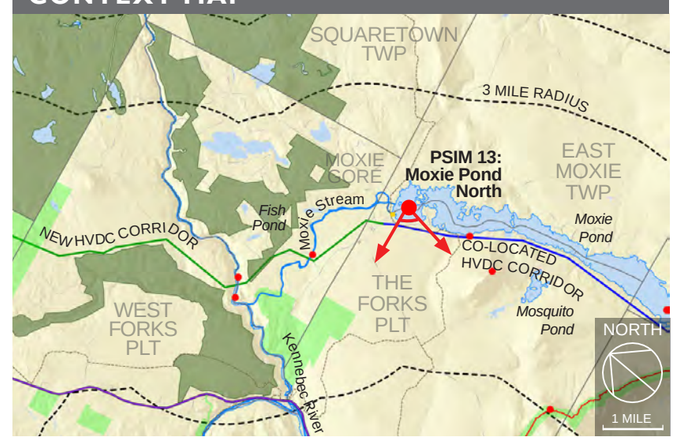
REV 1: PSIM #13-14 - Revised 2020
Date: August 7, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 13: Panoramic view looking southwest to west from the northern end of Moxie Pond toward the proposed co-located HVDC transmission line. The existing 150' wide corridor clearing will be widened by 75' on the western side to accommodate the new transmission line. The tops of three structures and conductors will be visible at distances of approximately 2,400 to 2,800 feet from this viewpoint. Moxie Pond is a designated scenic resource with an 'Outstanding' rating in the Maine Wildlands Lake Assessment. See Appendix B: Study Area Photographs for images.

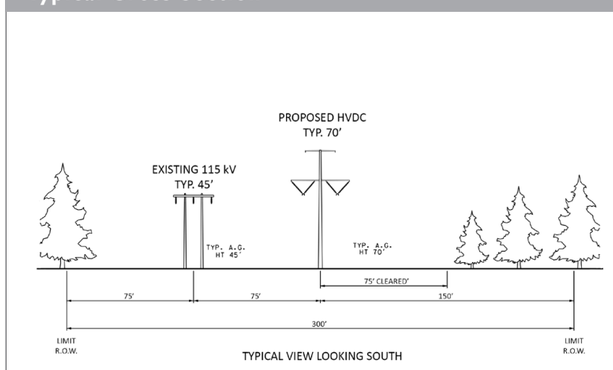
LOCATION MAP

CONTEXT MAP



TECHNICAL INFORMATION

Typical Cross Section



Photograph / Photosimulation Information

Location	45.347455°, -69.866723°
Viewing Direction	South to West
Horizontal Angle of View	75°
Date and Time	07/25/17 at 10:32 am
Camera Focal Length	35 mm
Camera Make/Model	Nikon D5500
Photo Source	TJD&A
Proposed Structures Visible	3
Approximate Distance to Nearest Visible Structure	2,400 feet

CENTRAL MAINE POWER

tjd&a

PHOTOSIMULATION 13A: MOXIE POND - North, East Moxie Twp

REV 1: PSIM #13-14 - Revised 2020
Date: August 7, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 13A: Normal view looking southwest from the northern area of Moxie Pond toward the proposed co-located HVDC transmission line. The tops of two structures and conductors will be visible from this viewpoint at distances of approximately 2,500 to 2,800 feet . The existing 150' wide corridor clearing will be widened by 75' on the western side to accommodate the new transmission line.

PHOTOSIMULATION 13A: MOXIE POND - North, East Moxie Twp

REV 1: PSIM #13-14 - Revised 2020
Date: August 7, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 13A: Normal view looking southwest from the northern area of Moxie Pond toward the proposed co-located HVDC transmission line. The tops of two structures and conductors will be visible from this viewpoint at distances of approximately 2,500 to 2,800 feet . The existing 150' wide corridor clearing will be widened by 75' on the western side to accommodate the new transmission line.

PHOTOSIMULATION 13B: MOXIE POND - North, East Moxie Twp

REV 1: PSIM #13-14 - Revised 2020
Date: August 7, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 13B: Normal view looking southwest from the northern area of Moxie Pond toward the proposed co-located HVDC transmission line. The tops of two structures and conductors will be visible from this viewpoint at distances of approximately 2,400 to 2,500 feet. The existing 150' wide corridor clearing will be widened by 75' on the western side to accommodate the new transmission line.

PHOTOSIMULATION 13B: MOXIE POND - North, East Moxie Twp

Photosimulation 13B: Normal view looking southwest from the northern area of Moxie Pond toward the proposed co-located HVDC transmission line. The tops of two structures and conductors will be visible from this viewpoint at distances of approximately 2,400 to 2,500 feet. The existing 150' wide corridor clearing will be widened by 75' on the western side to accommodate the new transmission line.

PHOTOSIMULATION 14: MOXIE POND - **North**, East Moxie Twp

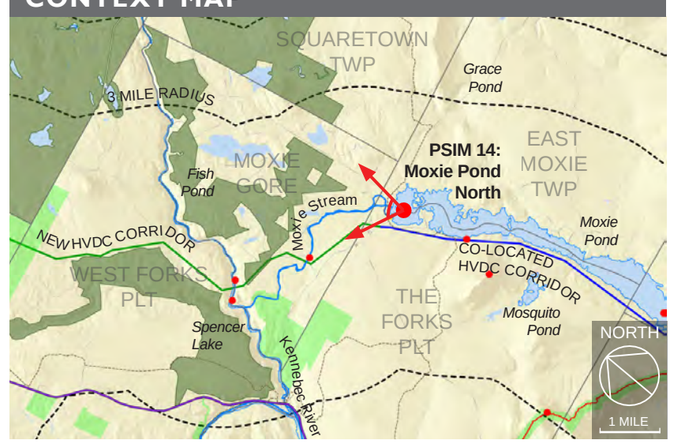
REV 1: PSIM #13-14 - Revised 2020
Date: August 7, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 14: Panoramic view looking west to northwest from the northern end of Moxie Pond toward the proposed co-located HVDC transmission line. The existing 150' wide corridor clearing will be widened by 75' on the western side to accommodate the new transmission line. Three structures and conductors will be visible at distances of approximately 2,300 to 2,600 feet from this viewpoint. Moxie Pond is a designated scenic resource with an 'Outstanding' rating in the Maine Wildlands Lake Assessment.
See Appendix B: Study Area Photographs for images.

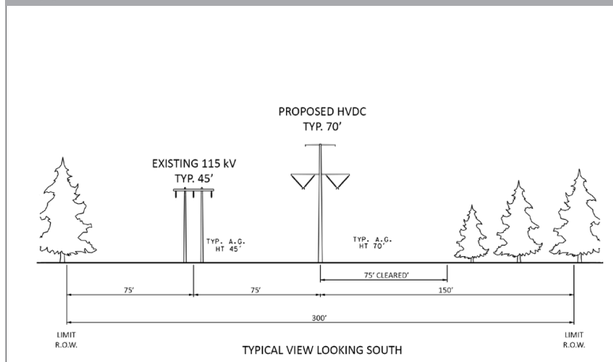
LOCATION MAP

CONTEXT MAP



TECHNICAL INFORMATION

Typical Cross Section



Photograph / Photosimulation Information

Location	45.347455°, -69.866723°
Viewing Direction	West to Northwest
Horizontal Angle of View	75°
Date and Time	07/25/17 at 10:32 am
Camera Focal Length	35 mm
Camera Make/Model	Nikon D5500
Photo Source	TJD&A
Proposed Structures Visible	3
Approximate Distance to Nearest Visible Structure	2,300 feet

CENTRAL MAINE POWER

tjd&a

PHOTOSIMULATION 14A: MOXIE POND - North, East Moxie Twp

Photosimulation 14A: Normal view looking west from the northern area of Moxie Pond toward the proposed co-located HVDC transmission line. One structure and conductors will be visible from this viewpoint at a distance of approximately 2,600 feet. The existing 150' wide corridor clearing will be widened by 75' on the western side to accommodate the new transmission line.

PHOTOSIMULATION 14A: MOXIE POND - North, East Moxie Twp

REV 1: PSIM #13-14 - Revised 2020
Date: August 7, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 14A: Normal view looking west from the northern area of Moxie Pond toward the proposed co-located HVDC transmission line. One structure and conductors will be visible from this viewpoint at a distance of approximately 2,600 feet. The existing 150' wide corridor clearing will be widened by 75' on the western side to accommodate the new transmission line.

PHOTOSIMULATION 14B: MOXIE POND - North, East Moxie Twp

Photosimulation 14B: Normal view looking southwest from the northern area of Moxie Pond toward the proposed co-located HVDC transmission line. Two structures and conductors will be visible from this viewpoint at a distances of approximately 2,300' to 2,600'. The existing 150' wide corridor clearing will be widened by 75' on the western side to accommodate the new transmission line.

PHOTOSIMULATION 14B: MOXIE POND - North, East Moxie Twp

Photosimulation 14B: Normal view looking southwest from the northern area of Moxie Pond toward the proposed co-located HVDC transmission line. Two structures and conductors will be visible from this viewpoint at a distances of approximately 2,300' to 2,600'. The existing 150' wide corridor clearing will be widened by 75' on the western side to accommodate the new transmission line.

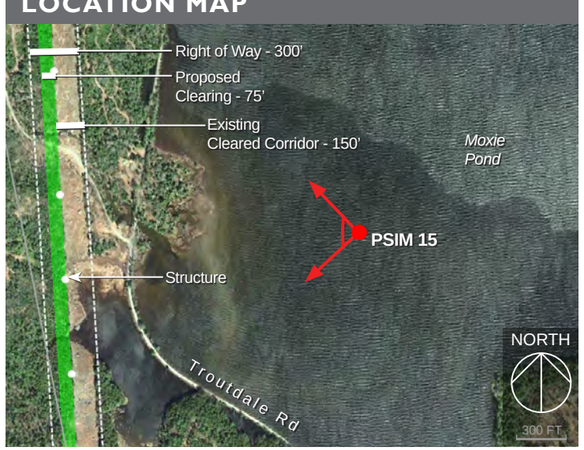
PHOTOSIMULATION 15: MOXIE POND - **South**, Bald Mountain Twp T2 R3

REV 1: PSIM #15 - Revised 2020
Date: August 7, 2020

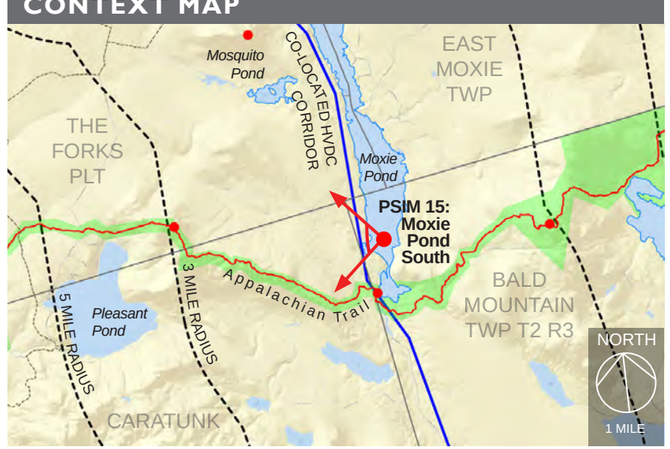
NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 15: Panoramic view looking southwest to northwest from the southern area of Moxie Pond toward the proposed co-located HVDC transmission line. The clearing will be widened by 75' on the western side of the existing 150' wide 115 kV transmission line corridor to accommodate the new transmission line. Portions of the widened corridor will be visible in two areas of the pond where the existing corridor is already visible; at the southern end north of Joes Hole as shown in this image and near Black Narrows. The majority of the structures and conductors will be screened by shoreline vegetation. Moxie Pond is a designated scenic resource with an 'Outstanding' rating in the Maine Wildlands Lake Assessment.
See Appendix B: Study Area Photographs for additional images.

LOCATION MAP

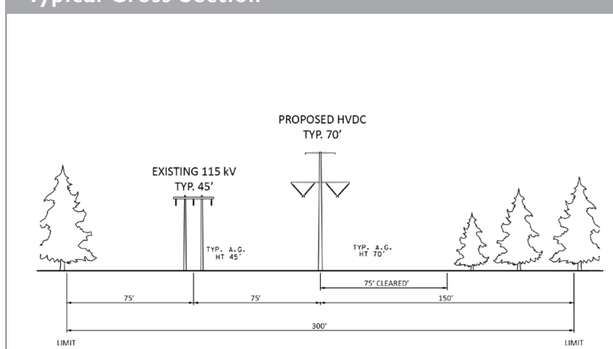


CONTEXT MAP



TECHNICAL INFORMATION

Typical Cross Section



Photograph / Photosimulation Information

Location	45.264145°, -69.826440°
Viewing Direction	Southwest to Northwest
Horizontal Angle of View	82°
Date and Time	07/25/17 at 8:46 am
Camera Focal Length	35 mm
Camera Make/Model	Nikon D5500
Photo Source	TJD&A
Proposed Structures Visible	2
Approximate Distance to Nearest Visible Structure	2000 feet

CENTRAL MAINE POWER

tjd&a

PHOTOSIMULATION 15A: MOXIE POND - South, Bald Mountain Twp T2 R3

REV 1: PSIM #15 - Revised 2020
Date: August 7, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 15A: Normal view looking west from the southern area of Moxie Pond toward the proposed co-located HVDC transmission line. The clearing will be widened by 75' on the western side of the existing 150' wide 115 kv transmission line corridor to accommodate the new HVDC transmission line. One structure and the top of another structure will be visible above the existing transmission line structures and conductors at distances of approximately 2,000 to 2,100 feet.

PHOTOSIMULATION 15A: MOXIE POND - South, Bald Mountain Twp T2 R3

REV 1: PSIM #15 - Revised 2020
Date: August 7, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 15A: Normal view looking west from the southern area of Moxie Pond toward the proposed co-located HVDC transmission line. The clearing will be widened by 75' on the western side of the existing 150' wide 115 kv transmission line corridor to accommodate the new HVDC transmission line. One structure and the top of another structure are visible above the existing transmission line structures and conductors at distances of approximately 2,000 to 2,100 feet.

PHOTOSIMULATION 15B: MOXIE POND - South, Bald Mountain Twp T2 R3

REV 1: PSIM #15 - Revised 2020
Date: August 7, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 15B: Normal view looking northwest from the southern area of Moxie Pond toward the proposed co-located transmission line. No structures will be visible from this location due to intervening foreground vegetation.

PHOTOSIMULATION 18:TROUTDALE ROAD, The Forks Plt.

REV 1: PSIM #18 - Revised 2020
Date: August 12, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

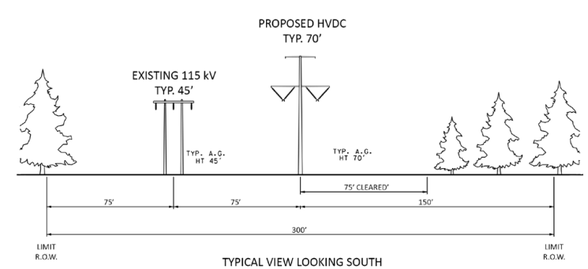
Photosimulation 18: Panoramic view looking southeast to south from Troutdale Road in The Forks Plt. toward the proposed co-located HVDC transmission line. Troutdale Road is located within the existing 115 kV transmission line corridor for approximately 1,000 feet. The existing 150' wide corridor clearing will be widened by 75' on the western side to accommodate the new transmission line. Two HVDC transmission structures will be visible looking to the southeast, and four looking to the northwest. See Appendix B: Study Area Photographs for additional images.

LOCATION MAP

CONTEXT MAP

TECHNICAL INFORMATION

Typical Cross Section



Photograph / Photosimulation Information

Location	45.326815°, -69.858796
Viewing Direction	Southeast to South
Horizontal Angle of View	74°
Date and Time	06/02/17 at 12:05 pm
Camera Focal Length	35 mm
Camera Make/Model	Nikon D5500
Photo Source	TJD&A
Proposed Structures Visible	6
Approximate Distance to Nearest Visible Structure	380'

CENTRAL MAINE POWER

tjd&a

PHOTOSIMULATION 18A:TROUTDALE ROAD, The Forks Plt

Photosimulation 18A: Normal view looking southeast from Troutdale Road toward the proposed co-located HVDC transmission line. The existing 150' wide corridor clearing will be widened by 75' on the western side to accommodate the new transmission line. Six HVDC transmission structures will be visible looking to the southeast.

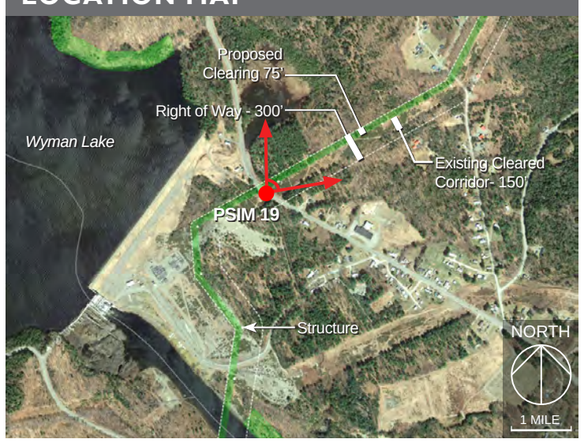
PHOTOSIMULATION 19: ROUTE 201, Moscow

REV 1: PSIM #19 - Revised 2020
Date: August 21, 2020

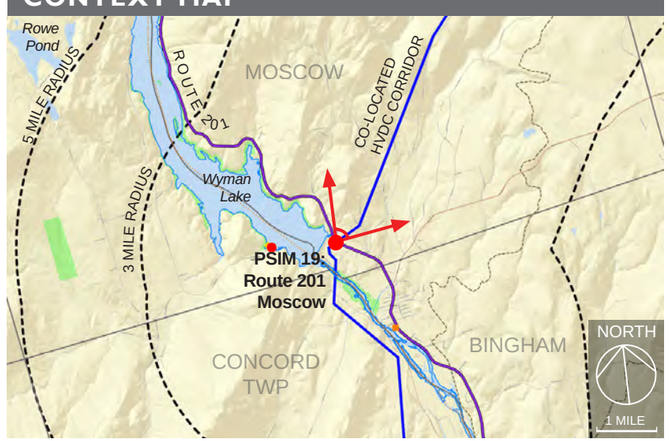
NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 19: Panoramic view looking from northeast to east from Route 201 in Moscow toward the proposed co-located HVDC transmission line. This portion of Route 201 is part of the Old Canada Road National Scenic Byway. The Wyman Hydro Electric Facility is visible in the opposite direction of this viewpoint. The existing 225' wide corridor clearing will be widened by 75' on the western side (left of corridor in image) to accommodate the proposed HVDC transmission line. Three structures will be visible from this viewpoint. New buffer plantings will be added within the 75' widened corridor along Route 201 to provide visual mitigation and enhance existing non-capable vegetation. See Appendix B: Study Area Photographs for additional images.

LOCATION MAP

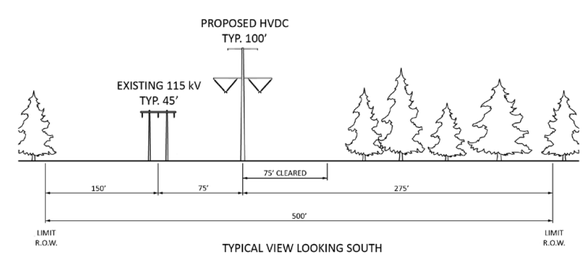


CONTEXT MAP



TECHNICAL INFORMATION

Typical Cross Section



Photograph / Photosimulation Information

Location	45.073245°, -69.898827°
Viewing Direction	Northeast to East
Horizontal Angle of View	79°
Date and Time	06/07/17 at 1:16 pm
Camera Focal Length	35 mm
Camera Make/Model	Nikon D5500
Photo Source	TJD&A
Proposed Structures Visible	3
Approximate Distance to Nearest Visible Structure	190 Feet

CENTRAL MAINE POWER

tjd&a

PHOTOSIMULATION 19A: ROUTE 201, Moscow

Photosimulation 19A: Normal view looking east from Route 201 in Moscow toward the proposed co-located HVDC transmission line. This portion of Route 201 is part of the Old Canada Road National Scenic Byway. The existing 225' wide corridor clearing will be widened by 75' on the western side (left of corridor in image) to accommodate the proposed HVDC transmission line. Three structures will be visible from this viewpoint.

PHOTOSIMULATION 20: WYMAN LAKE RECREATION AREA, Pleasant Ridge Plt

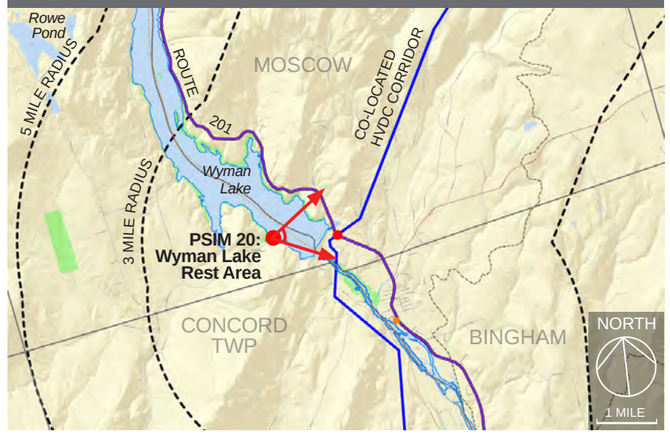
REV 1: PSIM #20 - Revised 2020
Date: August 17, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 20: Panoramic view looking from northeast to southeast from the Wyman Lake Recreation Area toward the proposed co-located HVDC transmission line. The proposed HVDC transmission line would be visible adjacent to the existing 115 kV transmission line and seen in context with the Wyman Hydro Dam and portions of six Bingham Wind turbines. Three HVDC transmission structures and conductors will be visible at distances of 0.9 - 1.3 miles from this viewpoint. See Appendix B: Study Area Photographs for additional images.

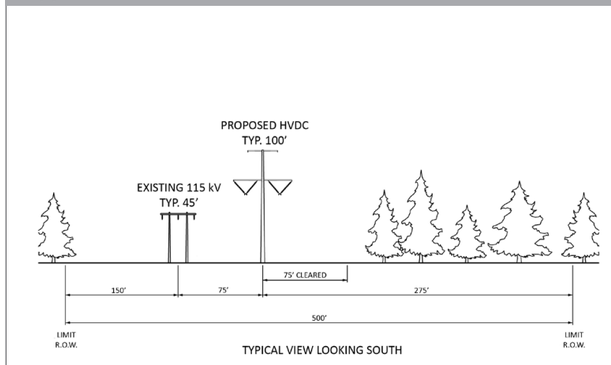
LOCATION MAP

CONTEXT MAP



TECHNICAL INFORMATION

Typical Cross Section



Photograph / Photosimulation Information

Location	45.073869°, -69.920264°
Viewing Direction	Northeast to Southeast
Horizontal Angle of View	79°
Date and Time	06/07/17 at 2:37 pm
Camera Focal Length	35 mm
Camera Make/Model	Nikon D7100
Photo Source	TJD&A
Proposed Structures Visible	3
Approximate Distance to Nearest Visible Structure	0.9 miles

CENTRAL MAINE POWER

tjd&a

PHOTOSIMULATION 20A: WYMAN LAKE REST AREA, Pleasant Ridge Plt

REV 1: PSIM #20 - Revised 2020
Date: August 17, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 20A: Normal view looking east from the Wyman Lake Recreation Area toward the proposed co-located HVDC transmission line. The proposed HVDC transmission line would be visible adjacent to the existing 115 kv transmission line and seen in context with the Wyman Hydro Dam and portions of six Bingham Wind turbines. Three structures, conductors, and portions of the cleared corridor will be visible at distances of 0.9 - 1.3 miles from this viewpoint.

PHOTOSIMULATION 21: ROUTE 8, Anson

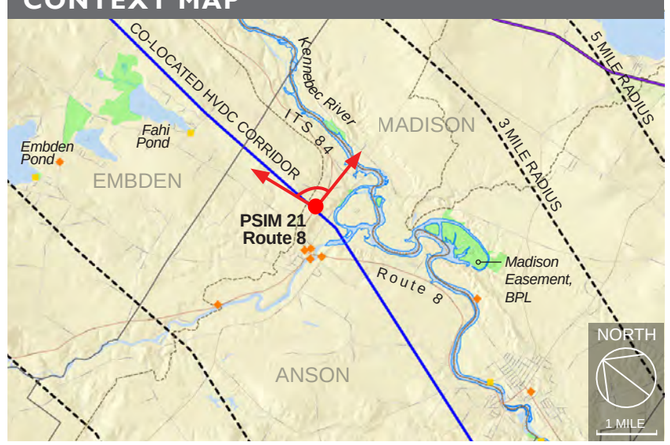
REV 1: PSIM #21 - Revised 2020
Date: August 17, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 21: Panoramic view looking from north to east from Route 8 (Solon Rd) toward the proposed co-located HVDC transmission line. The existing 150' wide cleared corridor will be widened by 75' on the western side to accommodate the HVDC transmission line. Four of the proposed HVDC structures and conductors will be visible from this viewpoint. See Appendix B: Study Area Photographs for additional images.

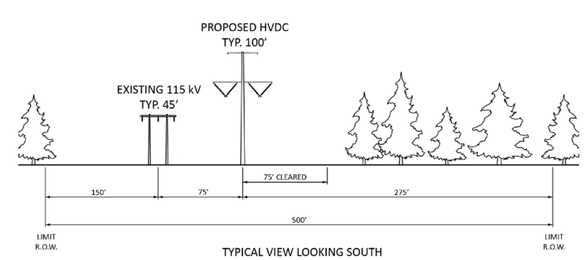
LOCATION MAP

CONTEXT MAP



TECHNICAL INFORMATION

Typical Cross Section



Photograph / Photosimulation Information

Location	44.861369°, -69.885455°
Viewing Direction	North to East
Horizontal Angle of View	97°
Date and Time	06/21/17 at 4:38 pm
Camera Focal Length	35 mm
Camera Make/Model	Nikon D5500
Photo Source	TJD&A
Proposed Structures Visible	4
Approximate Distance to Nearest Visible Structure	210 feet

CENTRAL MAINE POWER

tjd&a

PHOTOSIMULATION 21A: ROUTE 8, Anson

Photosimulation 21A: Normal view looking north from Route 8 (Solon Rd) toward the proposed co-located HVDC transmission line. The existing 150' wide cleared corridor will be widened by 75' on the western side to accommodate the proposed HVDC transmission line. Four of the proposed HVDC structures and conductors will be visible from this viewpoint.

PHOTOSIMULATION 22: ROUTE 2, Farmington

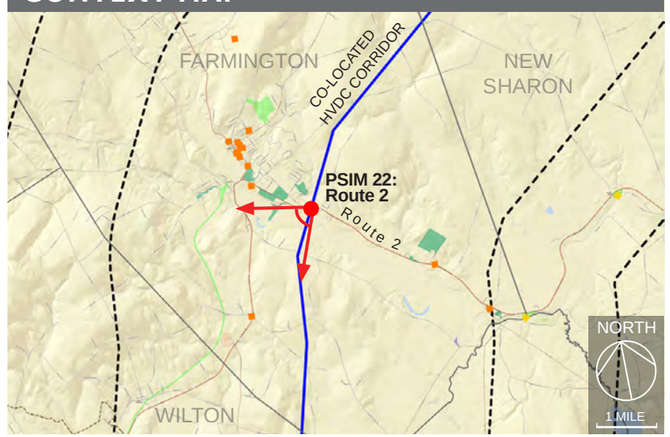
REV 1: PSIM #22 - Revised 2020
Date: August 21, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 22: Panoramic view looking from south to west from Route 2 in Farmington toward the proposed co-located HVDC transmission line. The existing 225' wide cleared corridor will be widened by 75' on the western side to accommodate the proposed HVDC transmission line. Six of the proposed HVDC structures and conductors will be visible from this viewpoint.
See Appendix B: Study Area photographs for additional images.

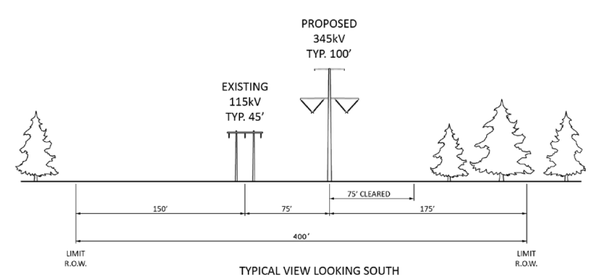
LOCATION MAP

CONTEXT MAP



TECHNICAL INFORMATION

Typical Cross Section



Photograph / Photosimulation Information

Location	44.653361°, -70.012892°
Viewing Direction	South to West
Horizontal Angle of View	81°
Date and Time	06/22/17 at 5:19 pm
Camera Focal Length	35 mm
Camera Make/Model	Nikon D5500
Photo Source	TJD&A
Proposed Structures Visible	5
Approximate Distance to Nearest Visible Structure	165 feet

CENTRAL MAINE POWER

tjd&a

PHOTOSIMULATION 22A: ROUTE 2, Farmington

Photosimulation 22A: Normal view looking from southwest from Route 2 toward the proposed co-located HVDC transmission line. The existing 225' wide cleared corridor will be widened by 75' on the western side to accommodate the new HVDC transmission line. Five of the proposed HVDC structures and conductors will be visible from this viewpoint.

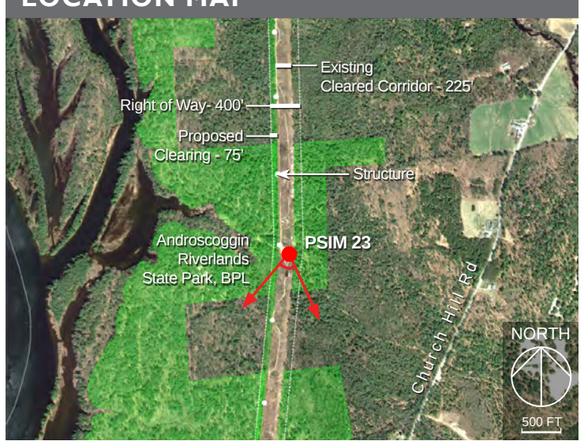
PHOTOSIMULATION 23: ANDROSCOGGIN RIVERLANDS STATE PARK, Existing Transmission Line, Leeds

REV 1: PSIM #23 - Revised 2020
Date: August 17, 2020

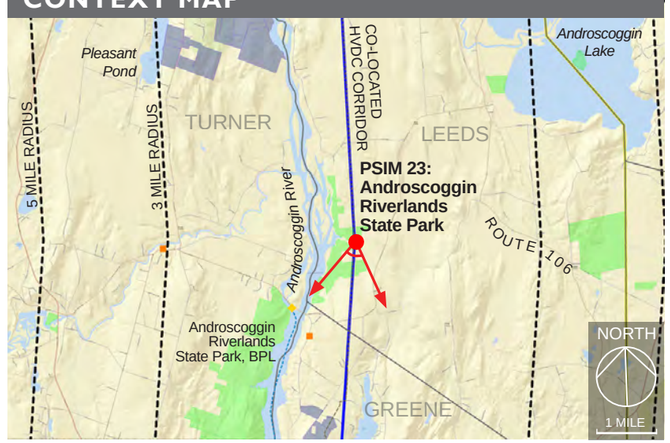
NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 23: Panoramic view looking from southeast to southwest from an access road crossing the existing transmission line within the Androscoggin Riverlands State Park toward the proposed co-located HVDC transmission line. The existing 225' corridor clearing will be widened by 75' on the western side to accommodate the new transmission line. See Appendix B: Study Area Photographs for additional images of the State Park.

LOCATION MAP

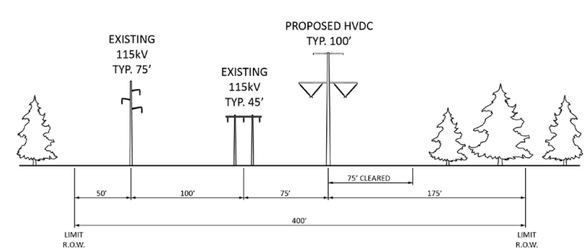


CONTEXT MAP



TECHNICAL INFORMATION

Typical Cross Section



TYPICAL VIEW LOOKING SOUTH

Photograph / Photosimulation Information

Location	44.272020°, -70.161995°
Viewing Direction	Southeast to Southwest
Horizontal Angle of View	67°
Date and Time	07/3/17 at 5:28 pm
Camera Focal Length	35 mm
Camera Make/Model	Nikon D5500
Photo Source	TJD&A
Proposed Structures Visible	8
Approximate Distance to Nearest Visible Structure	0.18 miles

CENTRAL MAINE POWER

tjd&a

REV 1: PSIM #23 - Revised 2020
Date: August 17, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

PHOTOSIMULATION 23A: ANDROSCOGGIN RIVERLANDS STATE PARK, Existing Transmission Line, Leeds

Photosimulation 23A: Normal view looking south from an access road (off Church Hill Road) crossing the existing transmission line within the State Park toward the proposed co-located HVDC transmission line. The existing 225' corridor clearing will be widened by 75' on the western side to accommodate the new transmission line.

PHOTOSIMULATION 25: ANDROSCOGGIN RIVER - RIVERSIDE DRIVE / ROUTE 136, Auburn

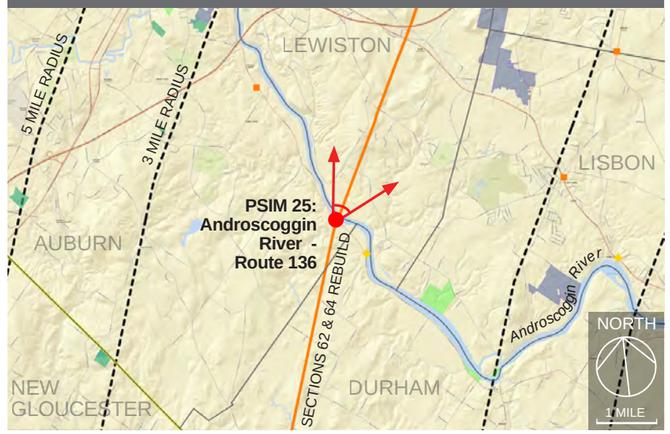
REV 1: PSIM #25 - Revised 2020
Date: August 7, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 25: Panoramic view looking from north to northeast from Riverside Drive / Route 136 in Auburn over the Androscoggin River toward the proposed Sections 62 & 64 Rebuild transmission lines. The wood H-frame 115 kV structures will be replaced. The existing single pole structures will be relocated / replaced as necessary. All of the rebuilt structures will be made of wood. No additional tree removal will be required. Approximately 20 new structures will be visible from this viewpoint. See Appendix B: Study Area Photographs for additional images.

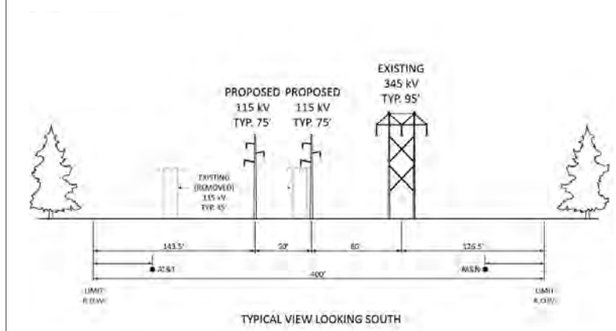
LOCATION MAP

CONTEXT MAP



TECHNICAL INFORMATION

Typical Cross Section



Photograph / Photosimulation Information

Location	44.021855°, -70.177693°
Viewing Direction	North to Northeast
Horizontal Angle of View	74°
Date and Time	05/24/17 at 3:04 pm
Camera Focal Length	35 mm
Camera Make/Model	Nikon D5500
Photo Source	TJD&A
Proposed Structures Visible	20 +/-
Approximate Distance to Nearest Visible Structure	900 feet

CENTRAL MAINE POWER

tjd&a

PHOTOSIMULATION 25A: ANDROSCOGGIN RIVER - RIVERSIDE ROAD / ROUTE 136, Auburn

REV 1: PSIM #25 - Revised 2020
Date: August 7, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 25A: Normal view looking from northeast from Riverside Road / Route 136 toward the proposed Sections 62 & 64 Rebuild transmission line. The wood H-frame 115 kV structures will be replaced. No additional tree removal will be required. 20 +/- of structures will be visible.

PHOTOSIMULATION 28: ROUTE 27, Wiscasset

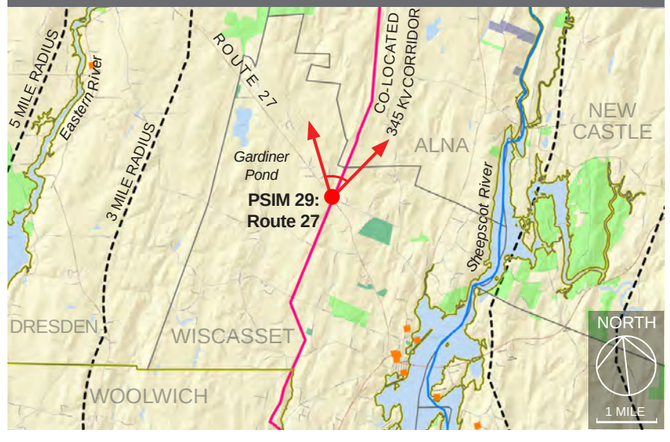
REV 1: PSIM #28 - Revised 2020
Date: August 7, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 28: Panoramic view looking from north to northeast from Route 27 toward the proposed co-located 345 kV transmission line. The proposed 345 kV transmission line will be located in between the existing 115 kV and 345 kV transmission lines. A proposed structure will be located directly adjacent to this viewpoint. Seven structures and conductors will be visible from this viewpoint. See Appendix B: Study Area Photographs for additional images.

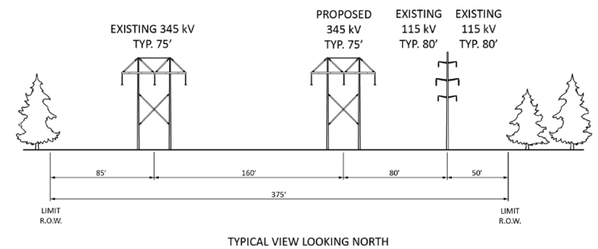
LOCATION MAP

CONTEXT MAP



TECHNICAL INFORMATION

Typical Cross Section



Photograph / Photosimulation Information

Location	44.043482°, -69.676342°
Viewing Direction	North to Northeast
Horizontal Angle of View	72°
Date and Time	06/27/17 at 4:49 pm
Camera Focal Length	35 mm
Camera Make/Model	Nikon D5500
Photo Source	TJD&A
Proposed Structures Visible	7
Approximate Distance to Nearest Visible Structure	393 ft

CENTRAL MAINE POWER

tjd&a

PHOTOSIMULATION 28A: ROUTE 27, Wiscasset

Photosimulation 28A: Normal view looking from north to northeast from Route 27 toward the proposed co-located 345 kV transmission line. The proposed 345 kV transmission line will be located in between the existing 115 kV and 345 kV transmission lines. Seven structures and conductors will be visible from this viewpoint.

PHOTOSIMULATION 29: ROUTE 194, Whitefield

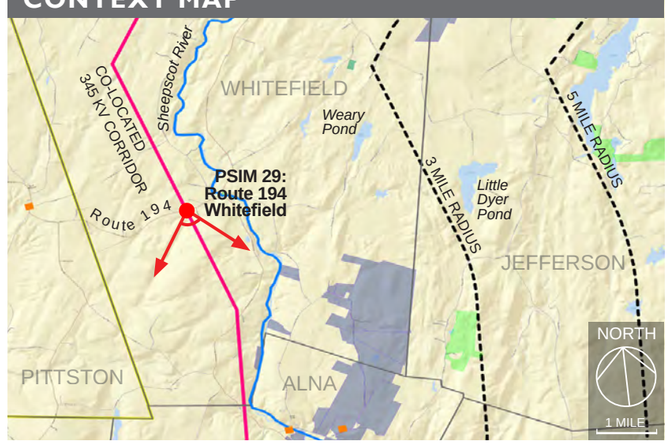
REV 1: PSIM #29 - Revised 2020
Date: August 7, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 29: Panoramic view looking from southeast to southwest from Route 194 toward the proposed co-located 345 kV transmission line. The proposed 345 kV transmission line will be located in between the existing 115 kV and 345 kV transmission lines. Seven structures and conductors will be visible from this viewpoint. See Appendix B: Study Area Photographs for additional images.

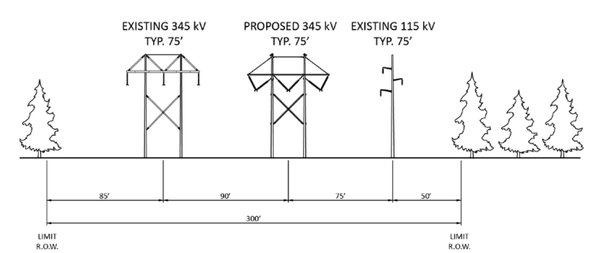
LOCATION MAP

CONTEXT MAP



TECHNICAL INFORMATION

Typical Cross Section



TYPICAL VIEW LOOKING NORTH

Photograph / Photosimulation Information

Location	44.168821°, -69.634498°
Viewing Direction	Southeast to Southwest
Horizontal Angle of View	92°
Date and Time	07/06/17 at 2:48 pm
Camera Focal Length	35 mm
Camera Make/Model	Nikon D7100
Photo Source	TJD&A
Proposed Structures Visible	7
Approximate Distance to Nearest Visible Structure	166 feet

CENTRAL MAINE POWER

tjd&a

PHOTOSIMULATION 29A: ROUTE 194, Whitefield

REV 1: PSIM #29 - Revised 2020
Date: August 7, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 29A: Normal view looking from southeast to southwest from Route 194 toward the proposed co-located 345 kV transmission line. Seven structures and conductors will be visible from this viewpoint. The proposed 345 kV transmission line will be located in between the existing 115 kV and 345 kV transmission lines.

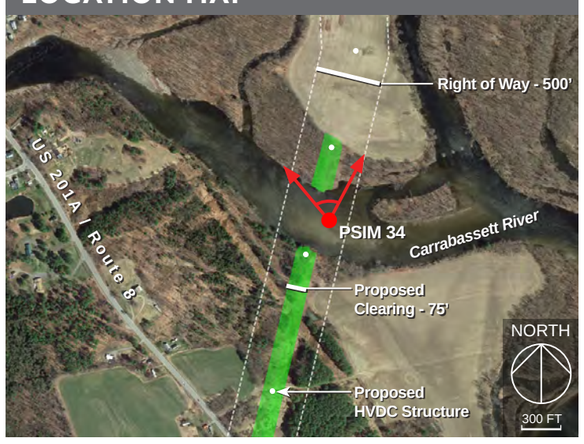
PHOTOSIMULATION 34: CARRABASSETT RIVER, Anson

REV 1: PSIM #34 - Revised 2020
Date: August 17, 2020

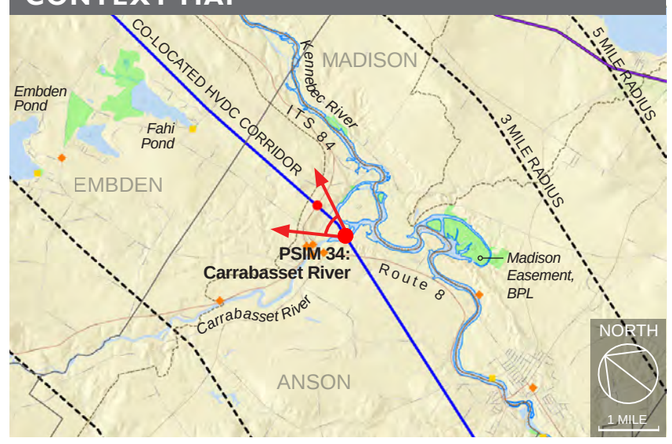
NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 34: Panoramic view looking north to northwest from the Carrabassett River in Anson toward the proposed co-located HVDC transmission line. The existing 225' wide cleared corridor will be widened by 75' on the western side to accomodate the proposed HVDC transmission line. Five proposed HVDC structures and conductors will be visible at distances of 540 feet to 3,800 feet from this viewpoint.

LOCATION MAP

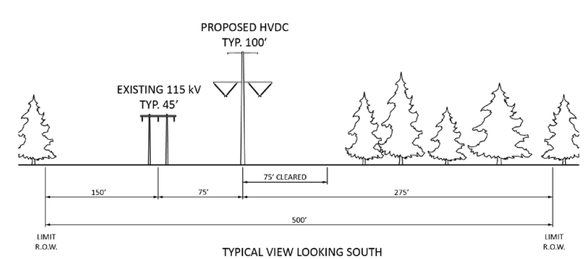


CONTEXT MAP



TECHNICAL INFORMATION

Typical Cross Section



Photograph / Photosimulation Information

Location	44.851508°, -69.885937°
Viewing Direction	North to Northeast
Horizontal Angle of View	67°
Date and Time	04/24/18 at 2:07 pm
Camera Focal Length	35 mm
Camera Make/Model	Nikon D5500
Photo Source	TJD&A
Proposed Structures Visible	5
Approximate Distance to Nearest Visible Structure	540 ft

CENTRAL MAINE POWER

tjd&a

PHOTOSIMULATION 34B: CARRABASSETT RIVER, Anson

REV 1: PSIM #34 - Revised 2020
Date: August 17, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 34: Normal view looking north from the Carrabassett River in Anson toward the proposed co-located HVDC transmission line. The existing 225' wide cleared corridor will be widened by 75' on the western side to accomodate the proposed HVDC transmission line. Five proposed HVDC structures and conductors will be visible at distances of 540 feet to 3,800 feet from this viewpoint.

PHOTOSIMULATION 35: SANDY RIVER, Farmington

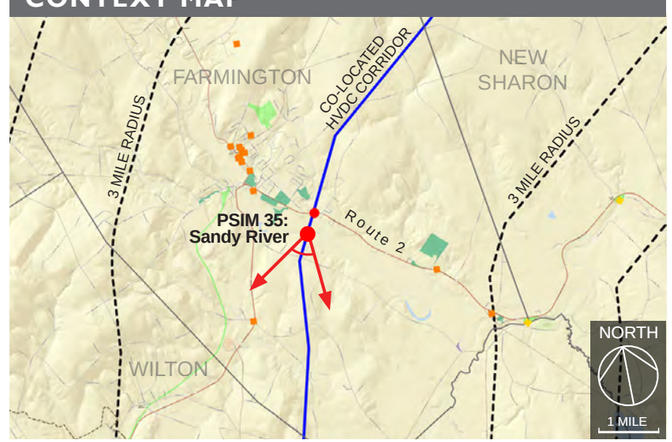
REV 1: PSIM #35 - Revised 2020
Date: August 17, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 35: Panoramic view looking south to west from the Sandy River in Farmington toward the proposed co-located HVDC transmission line. The existing 225' wide cleared corridor will be widened by 75' on the western side to accommodate the proposed HVDC transmission line. Three proposed HVDC structures and conductors will be visible at distances of 805 to 2,450 feet from this viewpoint.

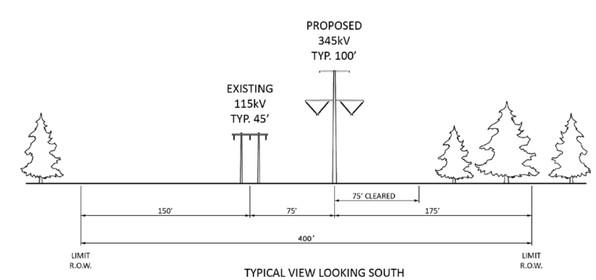
LOCATION MAP

CONTEXT MAP



TECHNICAL INFORMATION

Typical Cross Section



Photograph / Photosimulation Information

Location	44.649027°, -69.131998°
Viewing Direction	South to West
Horizontal Angle of View	71°
Date and Time	04/24/18 at 3:32 pm
Camera Focal Length	35 mm
Camera Make/Model	Nikon D5500
Photo Source	TJD&A
Proposed Structures Visible	3
Approximate Distance to Nearest Visible Structure	805 ft

CENTRAL MAINE POWER

tjd&a

PHOTOSIMULATION 35B: SANDY RIVER, Farmington

Photosimulation 35B: Normal view looking south from the Sandy River in Farmington toward the proposed co-located HVDC kV transmission line. The existing 225' wide cleared corridor will be widened by 75' on the western side to accommodate the proposed HVDC transmission line. Three proposed HVDC structures and conductors will be visible at distances of 805 to 2,450 feet away from this viewpoint.

PHOTOSIMULATION 36: WEST SHEEPSCOT RIVER (LOOKING WEST), Windsor

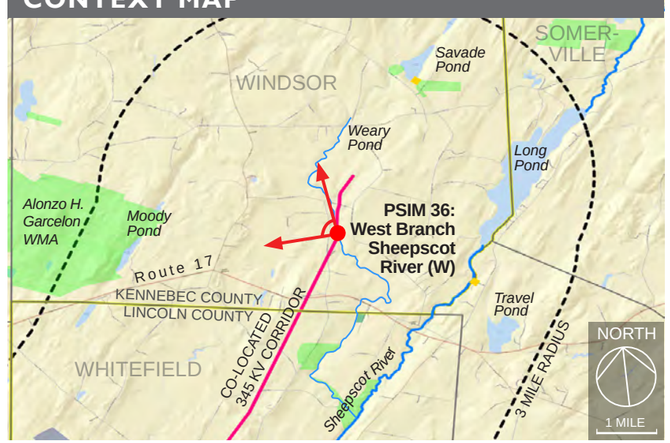
REV 1: PSIM #36-37 - Revised 2020
Date: August 12, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 36: Panoramic view looking west to north from the West Branch Sheepscot River in Windsor toward the proposed co-located 345 kV transmission line (see continuation of this view to the north, Photosimulation 37). One proposed 345 kV structure will be visible approximately 84 feet from this viewpoint. Riparian corridor vegetation will be enhanced with new plantings to contribute to stream bank stability, biofiltration, and visual mitigation.

LOCATION MAP

CONTEXT MAP



TECHNICAL INFORMATION

Typical Cross Section

Photograph / Photosimulation Information

Location	44.282987°, -69.56534
Viewing Direction	West to North
Horizontal Angle of View	80°
Date and Time	04/24/18 at 5:06 pm
Camera Focal Length	35 mm
Camera Make/Model	Nikon D7100
Photo Source	TJD&A
Proposed Structures Visible	1
Approximate Distance to Nearest Visible Structure	84 feet

CENTRAL MAINE POWER

tjd&a

PHOTOSIMULATION 36A: WEST SHEEPSCOT RIVER (LOOKING WEST), Windsor

Photosimulation 36A: Normal view looking west from the West Branch Sheepscot River in Windsor toward the proposed co-located 345 kV transmission line. Based on the revised (Rev1) design of the co-located 345 kV transmission line, no proposed structures will be visible when looking in this direction. Riparian corridor vegetation will be enhanced with new plantings to contribute to stream bank stability, biofiltration, and visual mitigation.

EXISTING CONDITION 36B: WEST SHEEPSCOT RIVER (LOOKING WEST), Windsor

Existing Conditions 36B: Normal view looking west from the West Branch Sheepscot River in Windsor toward the existing 345 kV transmission line.

PHOTOSIMULATION 36B: WEST SHEEPSCOT RIVER (LOOKING WEST), Windsor

REV 1: PSIM #36-37 - Revised 2020
Date: August 12, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 36B: Normal view looking west from the West Branch Sheepscot River in Windsor toward the proposed co-located 345 kV transmission line. One proposed 345 kV structure will be visible approximately 84 feet from this viewpoint.Riparian corridor vegetation will be enhanced with new plantings to contribute to stream bank stability, biofiltration, and visual mitigation.

PHOTOSIMULATION 37:WEST BRANCH SHEEPSCOT RIVER (LOOKING NORTH), Windsor

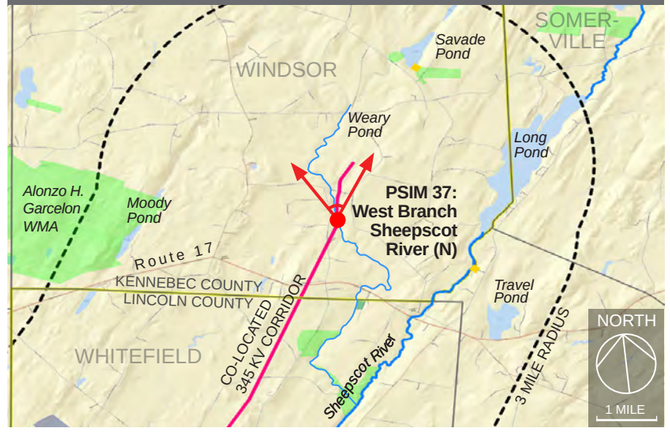
REV 1: PSIM #36-37 - Revised 2020
Date: August 12, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 37: Panoramic view looking northwest to northeast from the West Branch Sheepscot River in Windsor toward the proposed co-located 345 kV transmission line (this view is a continuation of Photosimulation 36). Five proposed 345 kV structures and conductors will be visible at distances of 500 to 2,300 feet from this viewpoint. Riparian corridor vegetation will be enhanced with new plantings to contribute to stream bank stability, biofiltration, and visual mitigation.

LOCATION MAP

CONTEXT MAP



TECHNICAL INFORMATION

Typical Cross Section

Photograph / Photosimulation Information

Location	44.282987°, -69.56534°
Viewing Direction	Northwest to Northeast
Horizontal Angle of View	61°
Date and Time	04/24/18 at 5:26 pm
Camera Focal Length	35 mm
Camera Make/Model	Nikon D5500
Photo Source	TJD&A
Proposed Structures Visible	3
Approximate Distance to Nearest Visible Structure	500 feet

CENTRAL MAINE POWER

tjd&a

PHOTOSIMULATION 37A: WEST BRANCH SHEEPSCOT RIVER (LOOKING NORTH), Windsor

REV 1: PSIM #36-37 - Revised 2020
Date: August 12, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 37A: Normal view looking north from the Sheepscot River in Windsor toward the proposed co-located 345 kV transmission line. Five proposed 345 kV structures and conductors will be visible at distances of 500 to 2,300 feet from this viewpoint. Riparian corridor vegetation will be enhanced with new plantings to contribute to stream bank stability, biofiltration, and visual mitigation.

PHOTOSIMULATION 37D:WEST BRANCH SHEEPSCOT RIVER (LOOKING NORTH), Windsor

REV 1: PSIM #36-37 - Revised 2020
Date: August 12, 2020

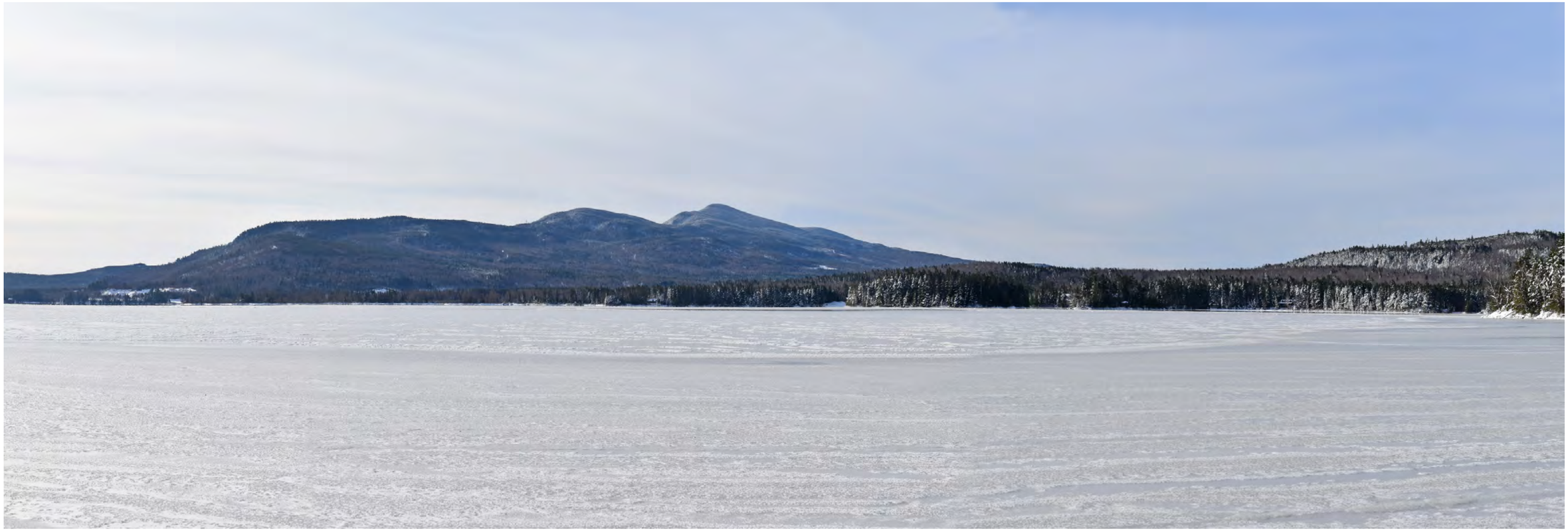
NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 37D: Normal view looking north from the Sheepscot River in Windsor toward the proposed co-located 345 kV transmission line. Five proposed 345 kV structures and conductors will be visible at distances of 500 to 2,300 feet from this viewpoint. Riparian corridor vegetation will be enhanced with new plantings to contribute to stream bank stability, biofiltration, and visual mitigation.

PHOTOSIMULATION 42: PARLIN POND, Parlin Pond Twp

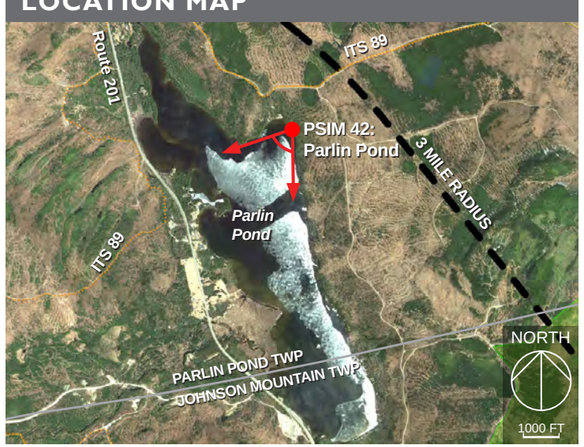
REV 1: PSIM #42 - Revised 2020
Date: August 7, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

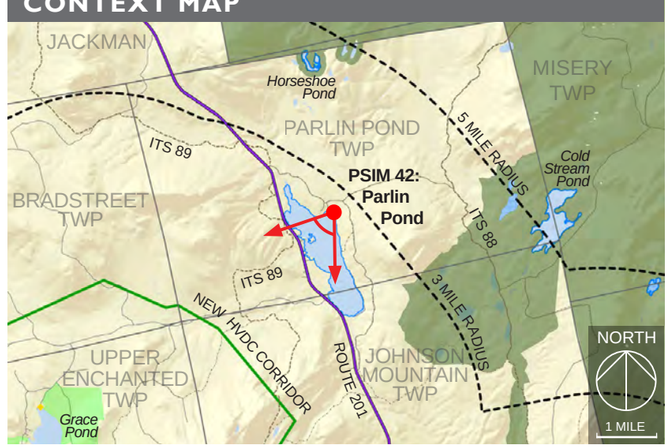


Photosimulation 42: Panoramic view looking south to southwest from the northern end of Parlin Pond in Parlin Pond Twp toward the proposed HVDC transmission line. Five proposed HVDC structures, conductors, and portions of the tapered vegetation corridor will be visible crossing the east shoulder of Coburn Mountain within 3 miles of this viewpoint. Portions of the tapered vegetation corridor will be slightly more visible in leaf-off conditions. The weathered steel HVDC structures will generally blend in with the wooded hillside. The conductors will be most visible in early morning light. Non-specular conductors will be used to minimize glare.

LOCATION MAP

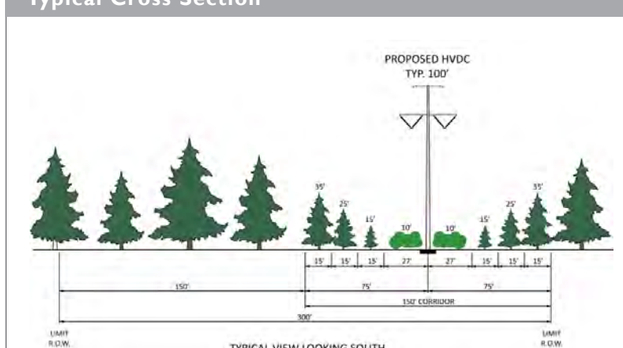


CONTEXT MAP



TECHNICAL INFORMATION

Typical Cross Section



Photograph / Photosimulation Information

Location	45.529028°, -70.083275°
Viewing Direction	South to Southwest
Horizontal Angle of View	74°
Date and Time	11/15/18 at 10:24 am
Camera Focal Length	35 mm (50 mm equiv.)
Camera Make/Model	Nikon D5500
Photo Source	TJD&A
Proposed Structures Visible	5
Approximate Distance to Nearest Visible Structure	2.7 miles

CENTRAL MAINE POWER

tjd&a

PHOTOSIMULATION 42A: PARLIN POND, Parlin Pond Twp

REV 1: PSIM #42 - Revised 2020
Date: August 7, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 42A: Normal view looking south from Parlin Pond toward the proposed HVDC transmission line. Five proposed HVDC structures, conductors, and portions of the tapered vegetation corridor will be visible crossing the shoulder of Coburn Mountain within 3 miles of this viewpoint.

PHOTOSIMULATION 43: ROUTE 201, WEST OF PARLIN POND, Parlin Pond Twp

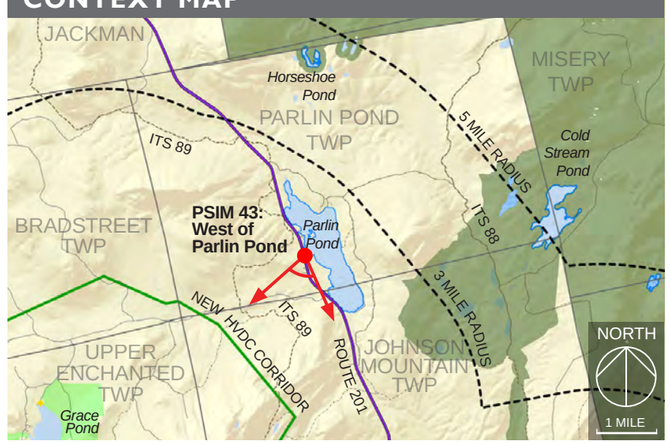
REV 1: PSIM #43 - Revised
Date: August 7, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 43: Panoramic view looking southeast to southwest from Route 201 (west of Parlin Pond) in Parlin Pond Twp toward the proposed HVDC transmission line crossing the eastern shoulder of Coburn Mountain. This viewpoint along Route 201 represents the location with the highest degree of potential visibility adjacent to the open fields on the west side of Route 201. Two proposed HVDC structures, conductors, and portions of the tapered vegetation corridor will be visible at distances of 2.0 to 2.1 miles from this viewpoint. One structure will be silhouetted against the sky and one will blend with the wooded hillside. The visible portion of corridor, which follows the profile of Coburn Mountain, will be more noticeable during leaf-off conditions. The conductors will be most noticeable in early morning light.

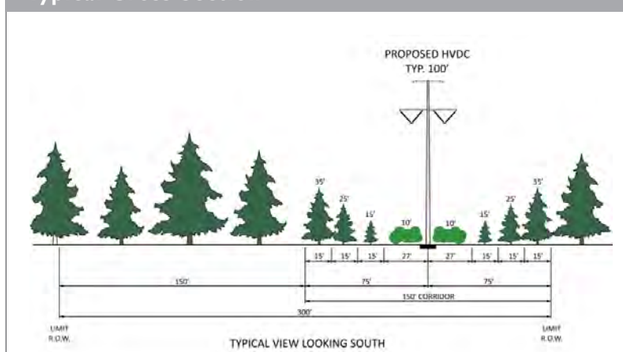
LOCATION MAP

CONTEXT MAP



TECHNICAL INFORMATION

Typical Cross Section



Photograph / Photosimulation Information

Location	45.515963°, -70.092260°
Viewing Direction	Southeast to Southwest
Horizontal Angle of View	79°
Date and Time	11/12/18 at 2:27 pm
Camera Focal Length	35 mm (50 mm equiv.)
Camera Make/Model	Nikon D5500
Photo Source	TJD&A
Proposed Structures Visible	2
Approximate Distance to Nearest Visible Structure	2.0 miles

CENTRAL MAINE POWER

tjd&a

REV 1: PSIM #43 - Revised 2020
Date: August 7, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

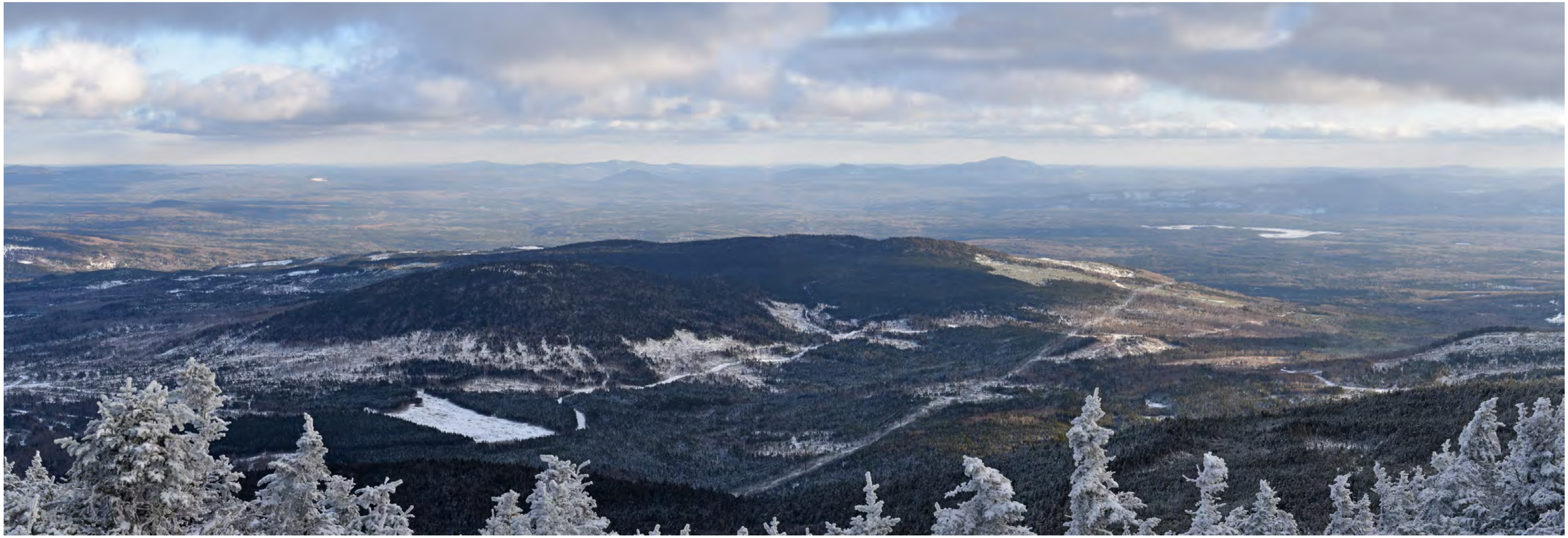
PHOTOSIMULATION 43A: ROUTE 201, WEST OF PARLIN POND, Parlin Pond Twp

Photosimulation 43A: Normal view looking south from Route 201 in Parlin Pond Twp toward the proposed HVDC transmission line. Two proposed HVDC structures, conductors, and portions of the tapered vegetation corridor will be visible at distances of 2.0 to 2.1 miles from this viewpoint.

PHOTOSIMULATION 44: COBURN MOUNTAIN, OBSERVATION TOWER, Upper Enchanted Twp

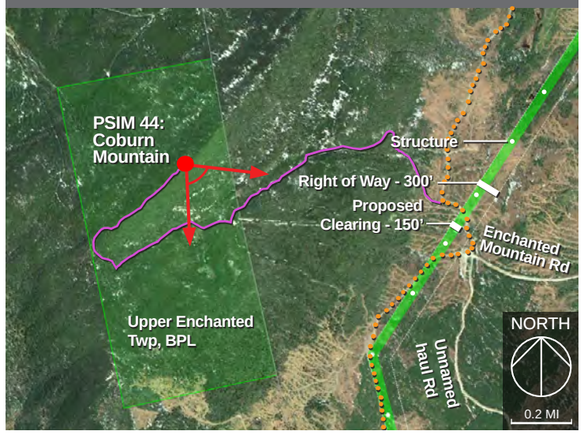
REV 1: PSIM #44 - Revised 2020
Date: August 7, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

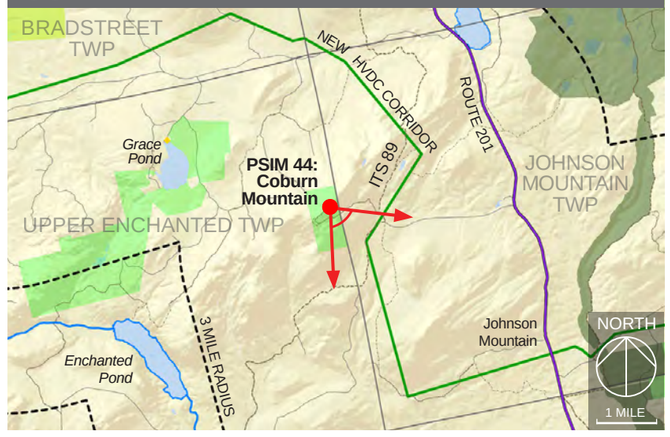


Photosimulation 44: Panoramic view looking east to south from the observation tower at the summit of Coburn Mountain in Upper Enchanted Twp toward the proposed HVDC transmission line. The new 150 ft wide tapered vegetation corridor will be visible in the midground on the west side of Johnson Mountain and in the background to the southeast. The closest visible structure will be 1.0 miles from this viewpoint. A local snowmobile trail to the summit is accessed off ITS 89. During snow cover conditions, the most visible portion of the Project will be the tapered vegetation corridor from the summit. The corridor will be seen in context with the active timber harvesting areas and haul roads that are typical in a working forest.

LOCATION MAP

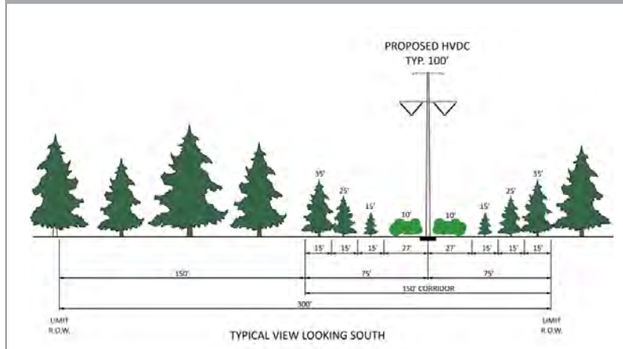


CONTEXT MAP



TECHNICAL INFORMATION

Typical Cross Section



Photograph / Photosimulation Information

Location	45.468580°, -70.126432°
Viewing Direction	East to South
Horizontal Angle of View	73°
Date and Time	11/11/18 at 4:08 pm
Camera Focal Length	35 mm (50 mm equiv.)
Camera Make/Model	Nikon D5500
Photo Source	TJD&A
Proposed Structures Visible	11 within 3 miles
Approximate Distance to Nearest Visible Structure	1.0 mile

CENTRAL MAINE POWER

tjd&a

PHOTOSIMULATION 44A: COBURN MOUNTAIN, OBSERVATION TOWER, Upper Enchanted Twp

REV 1: PSIM #44 - Revised 2020
Date: August 7, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 44A: Normal view looking east from the observation tower at the summit of Coburn Mountain toward the proposed HVDC transmission line. The proposed tapered vegetation corridor and HVDC transmission line structures will be minimally visible in the background, to the left of Johnson Mountain in the photograph.

PHOTOSIMULATION 44B: COBURN MOUNTAIN, OBSERVATION TOWER, Upper Enchanted Twp

REV 1: PSIM #44 - Revised 2020
Date: August 7, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 44B: Normal view looking south from the observation tower at the summit of Coburn Mountain toward the proposed HVDC transmission line. The new 150 ft wide tapered vegetation corridor will be visible in the midground on the west side of Johnson Mountain. The closest visible structure and conductors will be 1.0 miles from this viewpoint.

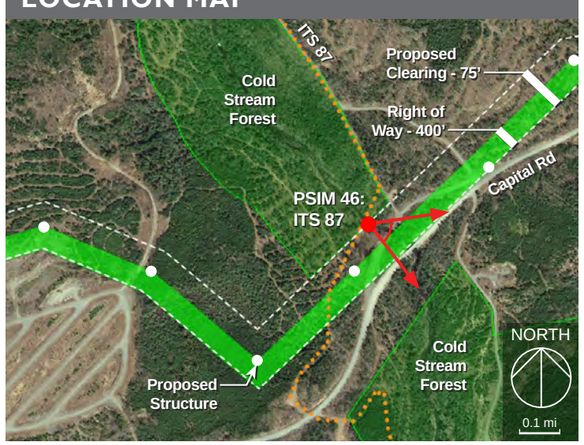
PHOTOSIMULATION 46: ITS 87, Johnson Mountain Twp

REV 1: PSIM #46 - Revised 2020
Date: August 7, 2020

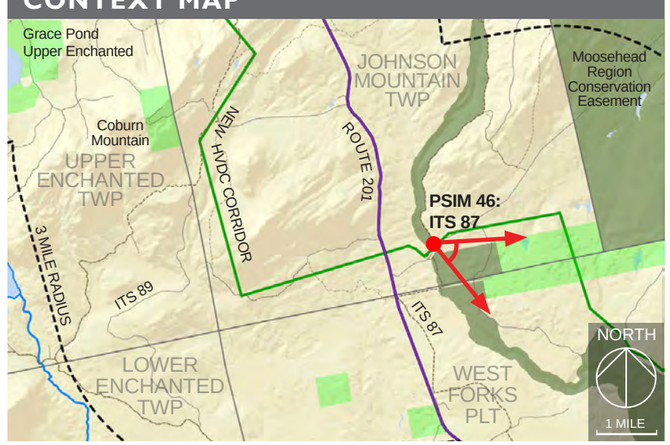
NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 46: Panoramic view looking east to southeast on the ITS 87 bridge over Cold Stream (in the Cold Stream Forest Parcel in Johnson Mountain Twp) toward the Capital Road bridge and the proposed HVDC transmission line. Evergreen vegetation on the north east side of the stream will screen the Project looking east. There will be a filtered views of one structure through the hardwoods in leaf-off conditions looking southeast. Conductors will be visible over Cold Stream at a distance of 250 ft from this viewpoint (visible through branches on overhanging tree at the top of the image).

LOCATION MAP

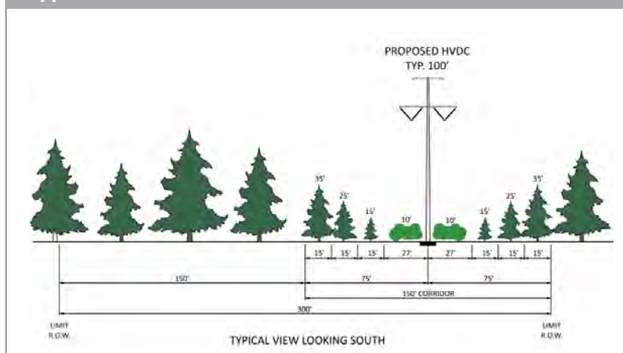


CONTEXT MAP



TECHNICAL INFORMATION

Typical Cross Section



Photograph / Photosimulation Information

Location	45.436472°, -70.037492°
Viewing Direction	East to Southeast
Horizontal Angle of View	93°
Date and Time	11/12/18 at 11:43 pm
Camera Focal Length	35 mm (50 mm equiv.)
Camera Make/Model	Nikon D5500
Photo Source	TJD&A
Proposed Structures Visible	1
Approximate Distance to Nearest Visible Structure	415 ft

CENTRAL MAINE POWER

tjd&a

PHOTOSIMULATION 46A: ITS 87, Johnson Mountain Twp

Photosimulation 46A: Normal view looking east on the ITS 87 bridge over Cold Stream toward the Capital Road bridge, and the proposed HVDC transmission line. Conductors will be visible crossing above Cold Stream at a distance of 250 feet from this viewpoint.

PHOTOSIMULATION 46B: ITS 87, Johnson Mountain Twp

Photosimulation 46B: Normal view looking southeast on the ITS 87 bridge over Cold Stream toward the proposed HVDC transmission line. One HVDC structure will be visible 415 ft to the southeast filtered through the hardwood vegetation.

PHOTOSIMULATION 50: TROUTDALE ROAD, Bald Mountain Twp

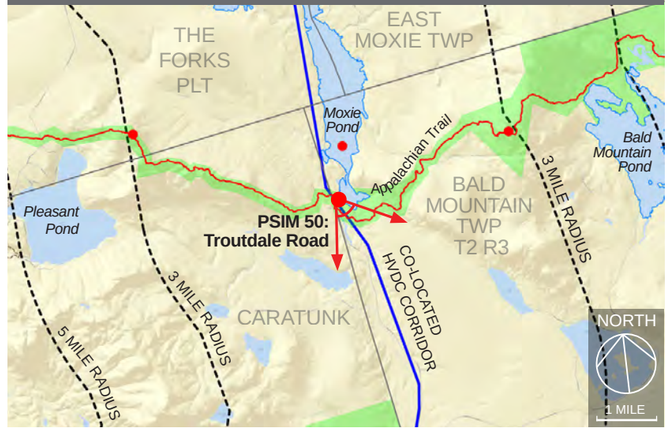
REV 1: PSIM #50 - Revised 2020
Date: August 19, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 50: Panoramic view on Troutdale Road (private road) looking toward Joes Hole (Moxie Pond) toward the proposed co-located HVDC transmission line with proposed Joes Hole (Moxie Pond) buffer plantings in the foreground. The Appalachian Trail is located on Troutdale Road for approximately 1,000 ft including this section where the transmission corridor crosses. Over a distance of approximately 4,400' within the vicinity of the Appalachian Trail crossings, tapered vegetation management techniques will be used in both the existing 125' wide transmission line corridor and the proposed 75' widened corridor. Portions of six proposed HVDC structures will be visible from this viewpoint. The deciduous shrubs proposed will buffer the view of the existing and proposed clearing.

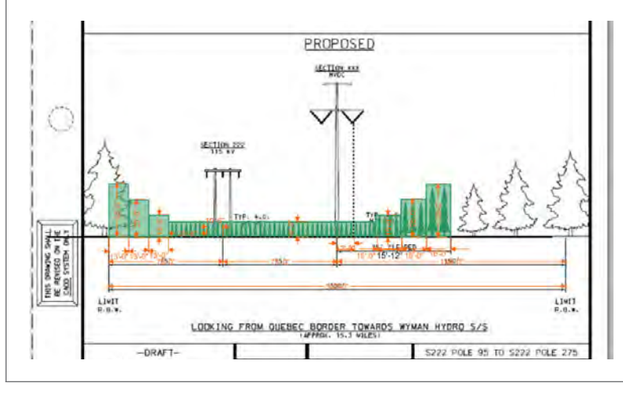
LOCATION MAP

CONTEXT MAP



TECHNICAL INFORMATION

Typical Cross Section



Photograph / Photosimulation Information

Location	45.251855°, -69.830110°
Viewing Direction	Southeast to South
Horizontal Angle of View	75°
Date and Time	11/15/18 at 2:30 pm
Camera Focal Length	35 mm (50 mm equiv.)
Camera Make/Model	Nikon D5500
Photo Source	TJD&A
Proposed Structures Visible	6
Approximate Distance to Nearest Visible Structure	500 ft

CENTRAL MAINE POWER

tjd&a

REV 1: PSIM #50 - Revised 2020
Date: August 19, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

PHOTOSIMULATION 50A:TROUTDALE ROAD, Bald Mountain Twp

Photosimulation 50A: Normal view looking south on Troutdale Road (private road) looking toward the proposed co-located HVDC transmission line with proposed Joes Hole (Moxie Pond) buffer plantings in the foreground. Over a distance of approximately 4,400' within the vicinity of the Appalachian Trail crossings, tapered vegetation management techniques will be used in both the existing 125' wide transmission line corridor and the proposed 75' widened corridor. Portions of six proposed HVDC structures will be visible from this viewpoint.

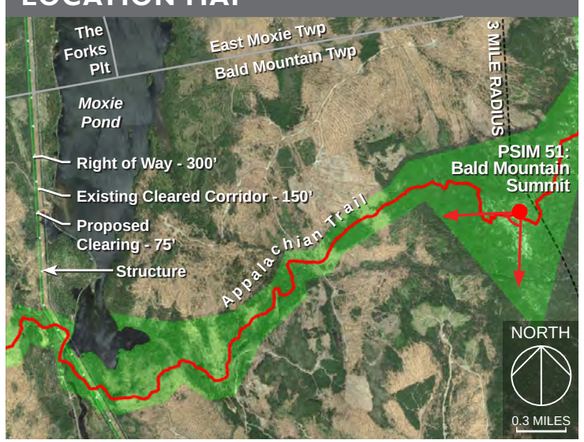
REV 1: PSIM #51 - Revised 2020
Date: August 19, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

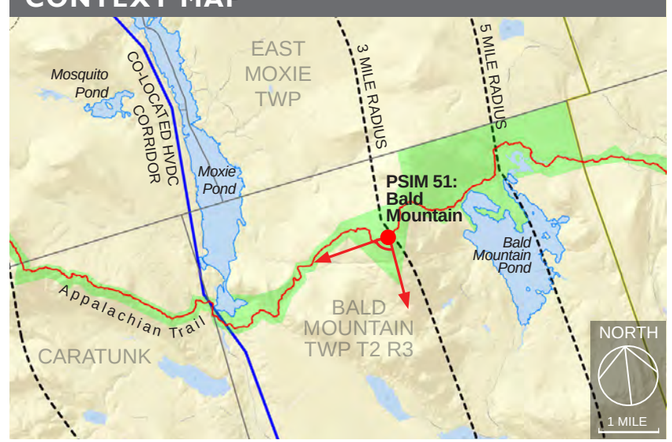
PHOTOSIMULATION 51: BALD MOUNTAIN - Southwest, Bald Mountain Twp T2 R3

Photosimulation 51: Panoramic view looking from south to west toward the location of proposed co-located HVDC transmission line, from the summit of Bald Mountain on the Appalachian Trail in Bald Mountain Twp T2 R3. Approximately 800 ft of the AT on Bald Mountain will have Project views. Moxie Mountain is visible in the center of the image. Moxie Pond is visible on the right side of the image. A total of 14 structures will be visible within 3 miles from this viewpoint.

LOCATION MAP

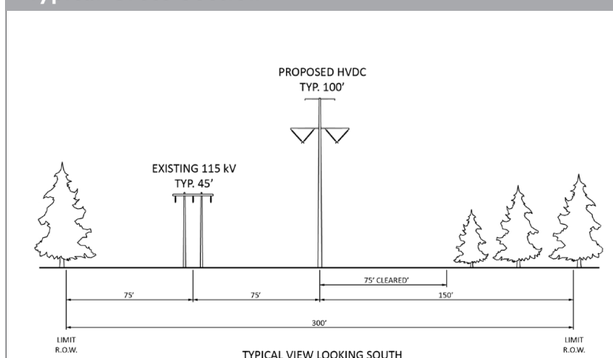


CONTEXT MAP



TECHNICAL INFORMATION

Typical Cross Section



Photograph / Photosimulation Information

Location	45.263362°, -69.773160°
Viewing Direction	South to West
Horizontal Angle of View	89°
Date and Time	11/11/18 at 12:08 pm
Camera Focal Length	35 mm (50 mm equiv.)
Camera Make/Model	Nikon D5500
Photo Source	TJD&A
Proposed Structures Visible	14 within 3 miles
Approximate Distance to Nearest Visible Structure	2.8 miles

CENTRAL MAINE POWER

tjd&a

PHOTOSIMULATION 51A: BALD MOUNTAIN - Southwest, Bald Mountain Twp T2 R3

REV 1: PSIM #51 - Revised 2020
Date: August 19, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 51A: Normal view looking southwest toward the existing 115 kV transmission line from the summit of Bald Mountain in Bald Mountain Twp T2 R3. The proposed structures, conductors, and cleared corridor visible in this direction are beyond 3 miles of this viewpoint.

PHOTOSIMULATION 51B: BALD MOUNTAIN - Southwest, Bald Mountain Twp T2 R3

REV 1: PSIM #51 - Revised 2020
Date: August 19, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 51B: Normal view looking southwest toward the proposed HVDC transmission line from the summit of Bald Mountain, in Bald Mountain Twp T2 R3. Ten proposed HVDC structures would be visible within 3 miles of this viewpoint.

PHOTOSIMULATION 51C: BALD MOUNTAIN - Southwest, Bald Mountain Twp T2 R3

REV 1: PSIM #51 - Revised 2020
Date: August 19, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 51C: Normal view looking west toward the proposed HVDC transmission line from the summit of Bald Mountain, in Bald Mountain Twp T2 R3. Ten proposed HVDC structures and conductors would be visible within 3 miles of this viewpoint.

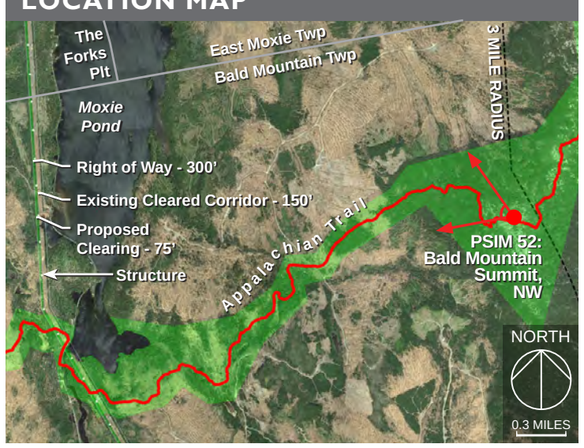
PHOTOSIMULATION 52: BALD MOUNTAIN - Northwest, Bald Mountain Twp T2 R3

REV 1: PSIM #52 - Revised 2020
Date: August 19, 2020

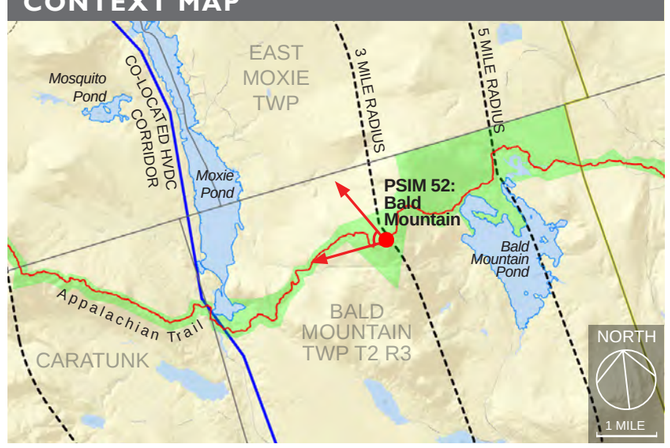
NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 52: Continued panoramic view (from Photosimulation 51) looking from west to north toward the location of proposed co-located HVDC transmission line, from the summit of Bald Mountain on the Appalachian Trail in Bald Mountain TWP T2 R3. Approximately 800 ft of the AT on Bald Mountain will have project views. Moxie Mountain is visible in the center of the image. Moxie Pond is visible on the right side of the image. A total of five proposed HVDC structures would be visible within 3 miles of this viewpoint on the far side of Moxie Pond.

LOCATION MAP

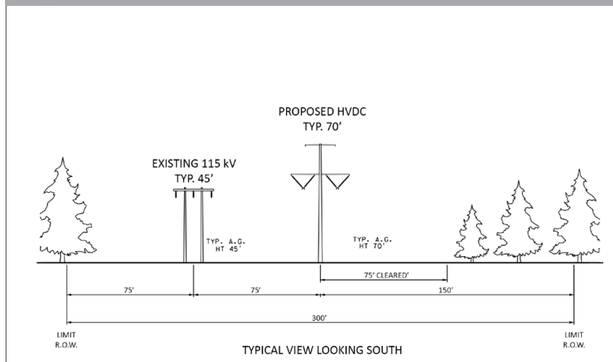


CONTEXT MAP



TECHNICAL INFORMATION

Typical Cross Section



Photograph / Photosimulation Information

Location	45.263362°, -69.773160°
Viewing Direction	West to North
Horizontal Angle of View	71°
Date and Time	11/11/18 at 12:08 pm
Camera Focal Length	35 mm (50 mm equiv.)
Camera Make/Model	Nikon D5500
Photo Source	TJD&A
Proposed Structures Visible	5 within 3 miles
Approximate Distance to Nearest Visible Structure	2.9 miles

CENTRAL MAINE POWER

tjd&a

PHOTOSIMULATION 52A: BALD MOUNTAIN - Northwest, Bald Mountain Twp T2 R3

REV 1: PSIM #52 - Revised 2020
Date: August 19, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 52A: Normal view looking west toward the proposed HVDC transmission line from the summit of Bald Mountain, in Bald Mountain Twp T2 R3. Five proposed HVDC structures, conductors, and portions of the cleared corridor would be visible from within 3 miles of this viewpoint.

PHOTOSIMULATION 52B: BALD MOUNTAIN - Northwest, Bald Mountain Twp T2 R3

REV 1: PSIM #52 - Revised 2020
Date: August 19, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 52B: Normal view looking northwest from the summit of Bald Mountain in Bald Mountain Twp T2 R3 toward the proposed HVDC transmission line. Two proposed HVDC structures and conductors would be visible from within 3 miles of this viewpoint. The wider corridor will be more visible during leaf-off conditions.

PHOTOSIMULATION 52C: BALD MOUNTAIN - Northwest, Bald Mountain Twp T2 R3

REV 1: PSIM #52 - Revised 2020
Date: August 19, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 52C: Normal view looking northwest from the summit of Bald Mountain in Bald Mountain Twp T2 R3 toward the proposed HVDC transmission line. The proposed structures and conductors that would be visible are beyond 3 miles of this viewpoint.

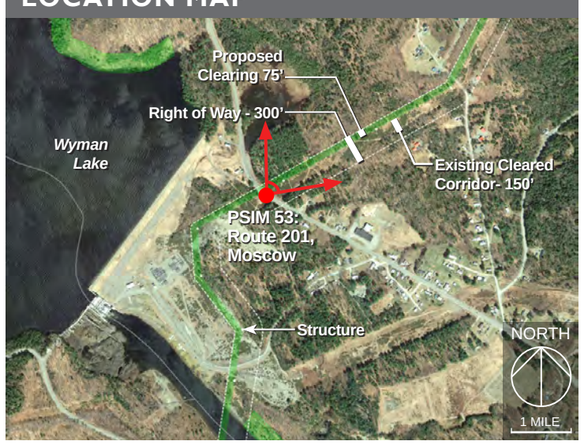
PHOTOSIMULATION 53: ROUTE 201, Moscow

REV 1: PSIM #53 - Revised 2020
Date: August 21, 2020

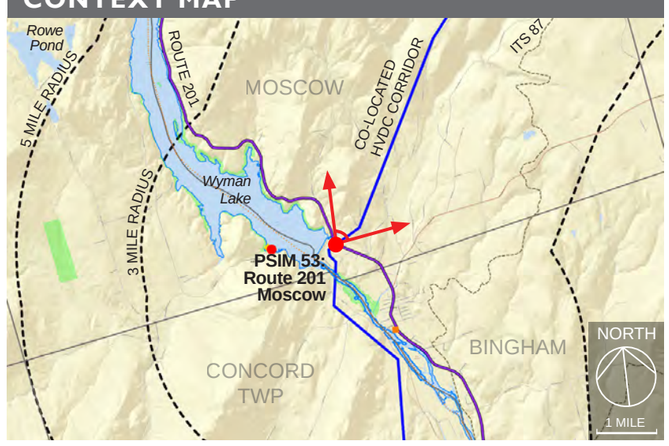
NEW ENGLAND CLEAN ENERGY CONNECT

Photosimulation 53: Panoramic view looking from north to east from Route 201 in Moscow toward the proposed co-located HVDC transmission line. This portion of Route 201 is part of the Old Canada Road National Scenic Byway. The existing 225 ft wide corridor clearing will be widened by 75 ft on the western side (left of corridor in image) to accommodate the proposed transmission line. Three structures will be visible from this viewpoint.

LOCATION MAP

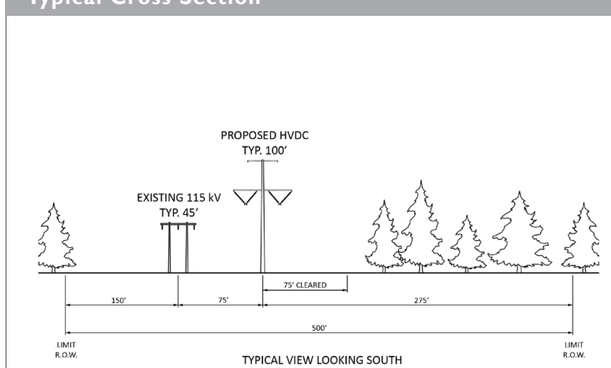


CONTEXT MAP



TECHNICAL INFORMATION

Typical Cross Section



Photograph / Photosimulation Information

Location	45.073422°, -69.898852°
Viewing Direction	North to East
Horizontal Angle of View	76°
Date and Time	11/15/18 at 3:06 pm
Camera Focal Length	35 mm (50 mm equiv.)
Camera Make/Model	Nikon D5500
Photo Source	TJD&A
Proposed Structures Visible	3
Approximate Distance to Nearest Visible Structure	167 ft

CENTRAL MAINE POWER

tjd&a

REV 1: PSIM #53 - Revised 2020
Date: August 21, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

PHOTOSIMULATION 53A: ROUTE 201, Moscow

Photosimulation 53A: Normal view looking northeast toward the proposed co-located HVDC transmission line from Route 201 in Moscow. This portion of Route 201 is part of the Old Canada Road National Scenic Byway. The existing 225 ft wide corridor clearing will be widened by 75 ft on the western side (left of corridor in image) to accommodate the proposed HVDC transmission line. Three structures will be visible from this viewpoint.

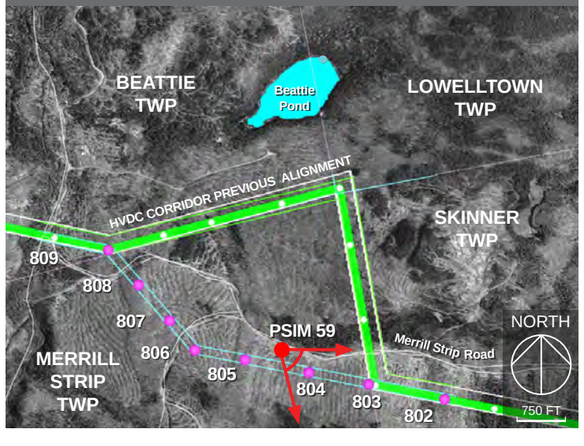
REV 1: PSIM #59 - Revised 2020
Date: August 7, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

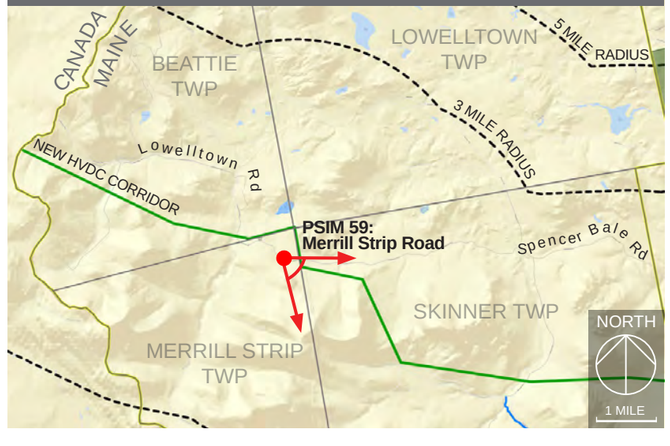
PHOTOSIMULATION 59: MERRILL STRIP ROAD, MERRILL STRIP TWP

Photosimulation 59: Panoramic view looking east to southeast from Merrill Strip Road toward the proposed alternative section of the HVDC transmission line in Merrill Strip Township. Merrill Strip Road is a private haul road located south of Beattie Pond. This viewpoint looks over a regenerating timber harvesting laydown area which allows for a greater extent of potential Project visibility. The vegetation between the viewpoint and the proposed 150 ft wide alternative route area is approximately 20 to 30 feet in height. Typical conditions along Merrill Strip Road include 30 to 40 foot regenerating (primarily deciduous) vegetation located directly adjacent to and south of the roadside which will limit potential Project visibility for the majority of the road. Structure #804 (104.5 ft) and #803 (111.5 ft) will be visible from this viewpoint. The closest structure (#804) is 610 feet from the viewpoint. Smart Mountain is visible in the background (on right in image).

LOCATION MAP

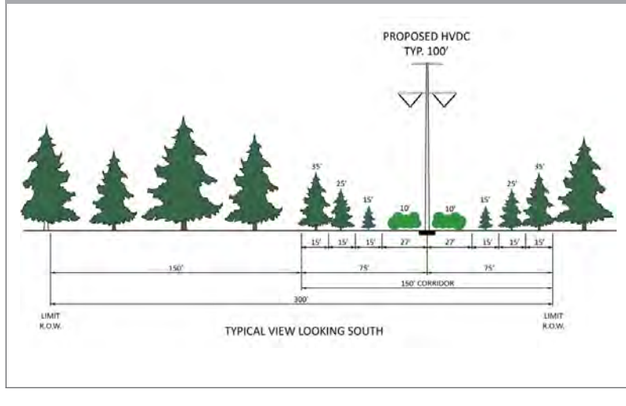


CONTEXT MAP



TECHNICAL INFORMATION

Typical Cross Section



Photograph / Photosimulation Information

Location	45.490713°, -70.634570°
Viewing Direction	East to Southeast
Horizontal Angle of View	86°
Date and Time	08/30/19 at 12:34 pm
Camera Focal Length	35 mm
Camera Make/Model	Nikon D5600
Photo Source	TJD&A
Proposed Structures Visible	2
Approximate Distance to Nearest Visible Structure	610 feet

CENTRAL MAINE POWER

tjd&a

REV 1: PSIM #59 - Revised 2020
Date: August 7, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

PHOTOSIMULATION 59A: MERRILL STRIP ROAD, MERRILL STRIP TWP

Photosimulation 59A: Normal view looking east from Merrill Strip Road toward the proposed alternative section of the HVDC transmission line in Merrill Strip Township. Two tangent structures (#804 at 104.5 ft and #803 at 111.5 ft), conductors, and shield wires will be visible from this viewpoint. The closest structure (#804) is 610 feet from the viewpoint.

REV 1: PSIM #59 - Revised 2020
Date: August 7, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

PHOTOSIMULATION 59B: MERRILL STRIP ROAD, MERRILL STRIP TWP

Photosimulation 59B: Normal view looking southeast from Merrill Strip Road toward the proposed alternative section of the HVDC transmission line in Merrill Strip Township. Structure #804 is shown at 104.5 ft in height and located 610 feet from this viewpoint. The conductors and shield wires will be visible.

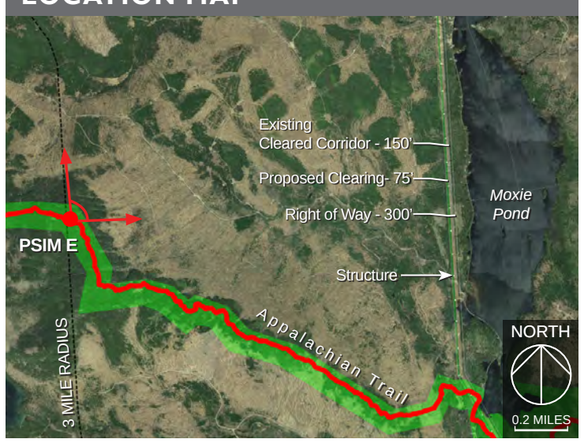
VIEWPOINT 2 PHOTOSIMULATION A: PLEASANT POND MOUNTAIN, The Forks Plt

REV 1: PSIM - AT - Revised 2020
Date: August 17, 2020

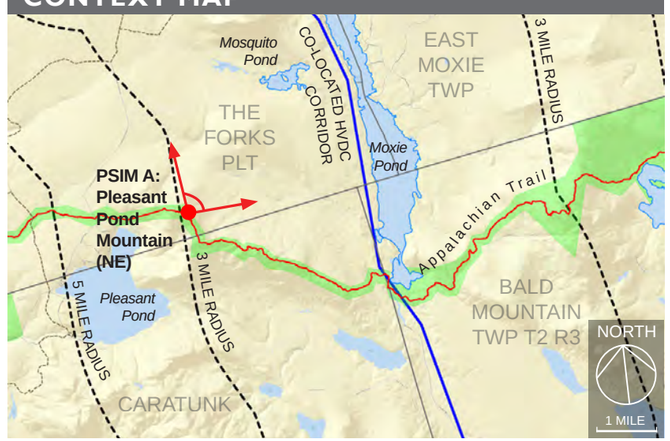
NEW ENGLAND CLEAN ENERGY CONNECT

Proposed Conditions: Panoramic view looking north to northeast from a clearing 230' east of the summit on Pleasant Pond Mountain on the Appalachian Trail in The Forks Plt. toward the proposed HVDC and co-located HVDC transmission lines. Mosquito Mountain and Moxie Pond are visible in the center and right of the image. This image was selected to photosimulate because it offered a wider view than the marked summit of Pleasant Pond Mountain. The corridor location as seen in the image has been refined based on updated survey data and engineering design. No structures will be visible within 5 miles of this viewpoint when looking north to northeast.

LOCATION MAP

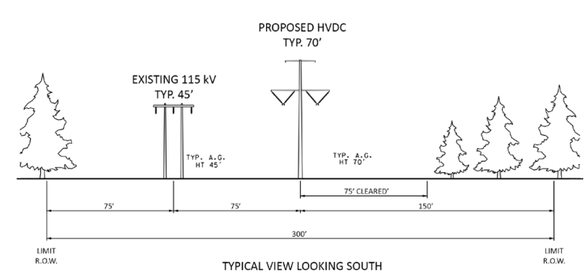


CONTEXT MAP



TECHNICAL INFORMATION

Typical Cross Section



Photograph / Photosimulation Information

Location	45.271673°, -69.894465°
Viewing Direction	North to Northeast
Horizontal Angle of View	100°
Date and Time	06/02/17 at 9:34 am
Camera Focal Length	35 mm
Camera Make/Model	Nikon D5500
Photo Source	TJD&A
Proposed Structures Visible	No visible structures within 3 miles
Distance to Nearest Visible Structure	N/A

CENTRAL MAINE POWER

tjd&a

VIEWPOINT 2 PHOTOSIMULATION A: PLEASANT POND MOUNTAIN, The Forks Plt

REV 1: PSIM - AT - Revised 2020
Date: August 17, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Proposed Conditions: Normal view looking north from Pleasant Pond Mountain toward the proposed HVDC transmission line. The proposed corridor will be 5.5 to 7.1 miles from this location. The corridor location as seen in the image has been refined based on updated survey data and engineering design.

VIEWPOINT 2 PHOTOSIMULATION A: PLEASANT POND MOUNTAIN, The Forks Plt

REV 1: PSIM - AT - Revised 2020
Date: August 17, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Proposed Conditions: Normal view looking north from Pleasant Pond Mountain toward the proposed HVDC transmission line. The proposed corridor will be 5.5 to 7.1 miles from this location. Due to updated engineering and surface data, the corridor location has shifted slightly as seen from this viewpoint.

VIEWPOINT 2 PHOTOSIMULATION A: PLEASANT POND MOUNTAIN, The Forks Plt

REV 1: PSIM - AT - Revised 2020
Date: August 17, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Proposed Conditions: Normal view looking north from Pleasant Pond Mountain toward the proposed co-located HVDC transmission line. No proposed structures will be visible from this viewpoint due to intervening vegetation and topography. Enlargement views are not provided because there are no structures visible.

VIEWPOINT 2 PHOTOSIMULATION A: PLEASANT POND MOUNTAIN, The Forks Plt

REV 1: PSIM - AT - Revised 2020
Date: August 17, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Proposed Conditions: Normal view looking northeast from Pleasant Pond Mountain toward the proposed co-located HVDC transmission line. No proposed structures will be visible from this viewpoint due to intervening vegetation and terrain. Enlargement views are not provided because there are no structures visible.

VIEWPOINT 2 PHOTOSIMULATION A: PLEASANT POND MOUNTAIN, The Forks Plt

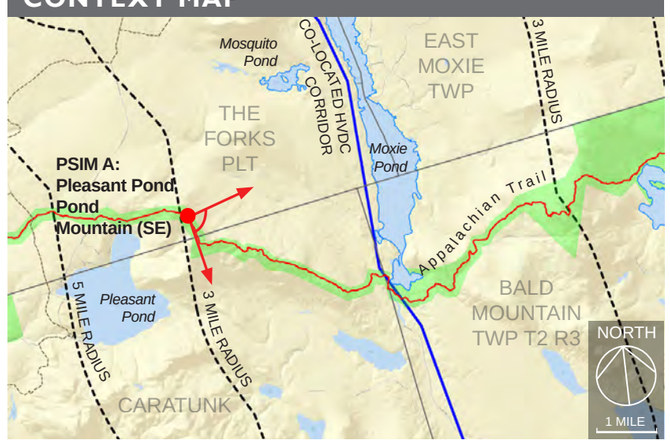
REV 1: PSIM - AT - Revised 2020
Date: August 17, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Proposed Conditions: Continued panoramic view looking northeast to southeast from a clearing 230' east of the summit on Pleasant Pond Mountain on the Appalachian Trail in The Forks Plt. toward the proposed co-located HVDC transmission line. Bald Mountain and Moxie Pond are visible in the center of the image. The corridor location as seen in the image has been refined based on updated survey data and engineering design. The closest visible structure in the proposed HVDC corridor will be 3.2 miles from this viewpoint.

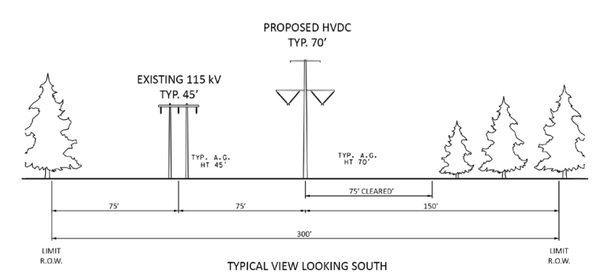
LOCATION MAP

CONTEXT MAP



TECHNICAL INFORMATION

Typical Cross Section



Photograph / Photosimulation Information

Location	45.271673°, -69.894465°
Viewing Direction	East to South
Horizontal Angle of View	100°
Date and Time	06/02/17 at 9:34 am
Camera Focal Length	35 mm
Camera Make/Model	Nikon D5500
Photo Source	TJD&A
Proposed Structures Visible	No visible structures within 3 miles
Distance to Nearest Visible Structure	3.2 miles

CENTRAL MAINE POWER

tjd&a

REV 1: PSIM - AT - Revised 2020
Date: August 17, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

VIEWPOINT 2 PHOTOSIMULATION A: PLEASANT POND MOUNTAIN, The Forks Plt

Proposed Conditions: Normal view looking northeast from Pleasant Pond Mountain toward the proposed co-located HVDC transmission line. One proposed structure and conductors will be visible at a distance of 3.2 miles from this viewpoint.

VIEWPOINT 2 PHOTOSIMULATION A: PLEASANT POND MOUNTAIN, The Forks Plt

REV 1: PSIM - AT - Revised 2020
Date: August 17, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Proposed Conditions: Normal view looking northeast from Pleasant Pond Mountain toward the proposed co-located HVDC transmission line. One proposed structure and conductors will be visible at a distance of 3.2 miles from this viewpoint.

VIEWPOINT 2 PHOTOSIMULATION A: PLEASANT POND MOUNTAIN, The Forks Plt

REV 1: PSIM - AT - Revised 2020
Date: August 17, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Proposed Conditions: Normal view looking east from Pleasant Pond Mountain toward the proposed co-located HVDC transmission line. Up to 12 proposed structures and conductors will be visible at a distances of 4.5 - 6.5 miles from this viewpoint. The corridor location as seen in the image has been refined based on updated survey data and engineering design.

REV 1: PSIM - AT - Revised 2020
Date: August 17, 2020

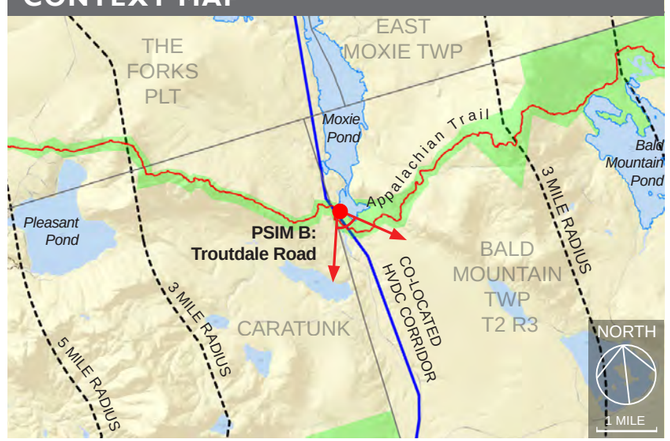
NEW ENGLAND CLEAN ENERGY CONNECT

VIEWPOINT 6 PHOTOSIMULATION B:TROUTDALE ROAD, Bald Mountain Twp

Proposed Conditions: Panoramic view looking from southeast to south on Troutdale Road looking toward Joes Hole (Moxie Pond) in Bald Mountain TWP toward the proposed co-located HVDC transmission line. The Appalachian Trail is currently located on Troutdale Road for approximately 1,000' including this section where the transmission corridor crosses. Over a distance of approximately 4,400' within the vicinity of the Appalachian Trail crossings, tapered vegetation management techniques will be used in both the existing 125' wide transmission line corridor and the proposed 75' widened corridor. Portions of six HVDC structures will be visible from this viewpoint. This photosimulation illustrates vegetation re-growth anticipated within 10 to 15 years after installation.

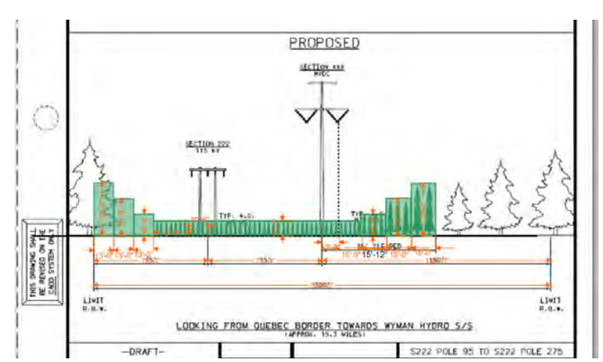
LOCATION MAP

CONTEXT MAP



TECHNICAL INFORMATION

Typical Cross Section



Photograph / Photosimulation Information

Location	45.251830°, -69.830053°
Viewing Direction	Southeast to South
Horizontal Angle of View	70°
Date and Time	06/02/17 at 11:42 am
Camera Focal Length	35 mm
Camera Make/Model	Nikon D5500
Photo Source	TJD&A
Proposed Structures Visible	6
Distance to Nearest Visible Structure	500'

CENTRAL MAINE POWER

tjd&a

REV 1: PSIM - AT - Revised 2020
Date: August 17, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

VIEWPOINT 6 PHOTOSIMULATION B:TROUTDALE ROAD, Bald Mountain Twp

Proposed Conditions: Normal view looking south on Troutdale Road looking toward Joes Hole toward the proposed co-located HVDC transmission line. Over a distance of approximately 4,400' within the vicinity of the Appalachian Trail crossings, tapered vegetation management techniques will be used in both the existing 125' wide transmission line corridor and the proposed 75' widened corridor. Portions of six HVDC structures will be visible from this viewpoint. This photosimulation illustrates vegetation re-growth anticipated within 10 to 15 years after installation.

REV 1: PSIM - AT - Revised 2020
Date: August 17, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

VIEWPOINT 6 PHOTOSIMULATION B:TROUTDALE ROAD, Bald Mountain Twp

Proposed Conditions: Normal view looking south on Troutdale Road looking toward Joes Hole toward the proposed co-located HVDC transmission line. Over a distance of approximately 4,400' within the vicinity of the Appalachian Trail crossings, tapered vegetation management techniques will be used in both the existing 125' wide transmission line corridor and the proposed 75' widened corridor. Portions of six HVDC structures will be visible from this viewpoint. This photosimulation illustrates foreground vegetation buffer growth anticipated within 10 to 15 years after installation.

VIEWPOINT 9 PHOTOSIMULATION C: BALD MOUNTAIN SUMMIT, Bald Mountain TWP

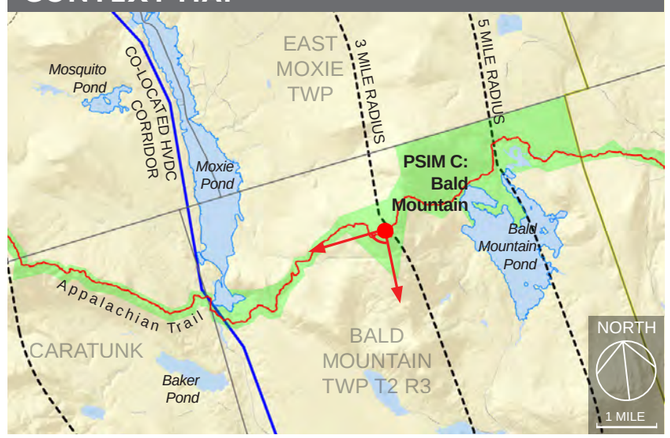
REV 1: PSIM - AT - Revised 2020
Date: August 17, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Proposed Conditions: Panoramic view looking from south to west from the summit of Bald Mountain on the Appalachian Trail in Bald Mountain TWP toward the proposed co-located HVDC transmission line. Moxie Mountain is visible on the right side of the image with Baker Pond visible below.

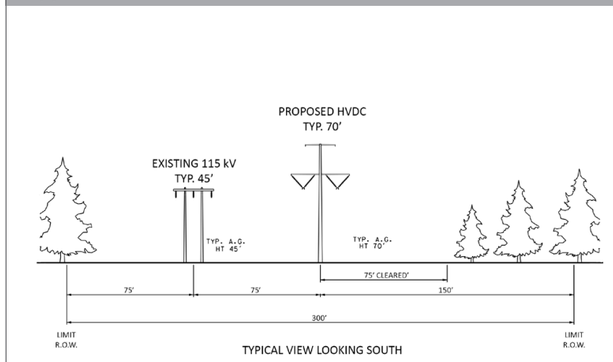
LOCATION MAP

CONTEXT MAP



TECHNICAL INFORMATION

Typical Cross Section



Photograph / Photosimulation Information

Location	45.263806°, -69.771728°
Viewing Direction	South to West
Horizontal Angle of View	82°
Date and Time	06/07/17 at 8:35 am
Camera Focal Length	35 mm
Camera Make/Model	Nikon D5500
Photo Source	TJD&A
Proposed Structures Visible	35+/- within 5 miles
Distance to Nearest Visible Structure	2.8 miles

CENTRAL MAINE POWER

tjd&a

VIEWPOINT 9 PHOTOSIMULATION C: BALD MOUNTAIN SUMMIT, Bald Mountain TWP

Proposed Conditions: Normal view looking south from the summit of Bald Mountain toward the proposed co-located HVDC transmission line. The corridor will be partially visible at a distance of 7.5 miles.

VIEWPOINT 9 PHOTOSIMULATION C: BALD MOUNTAIN SUMMIT, Bald Mountain TWP

REV 1: PSIM - AT - Revised 2020
Date: August 17, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Proposed Conditions: Normal view looking south from the summit of Bald Mountain toward the proposed co-located HVDC transmission line. The corridor will be partially visible at a distance of 7.5 miles. The proposed co-located HVDC corridor location has been highlighted for reference.

PHOTOSIMULATION C: BALD MOUNTAIN SUMMIT, Bald Mountain Twp

Proposed Conditions: Normal view looking southwest from Bald Mountain Summit. The corridor will be partially visible at a distance of 2.8 miles.

PHOTOSIMULATION C: BALD MOUNTAIN SUMMIT, Bald Mountain Twp

Proposed Conditions: Normal view looking Northwest from Bald Mountain Summit. The corridor will be partially visible at a distance of 2.8 miles. The proposed co-located HVDC corridor location has been highlighted for reference.

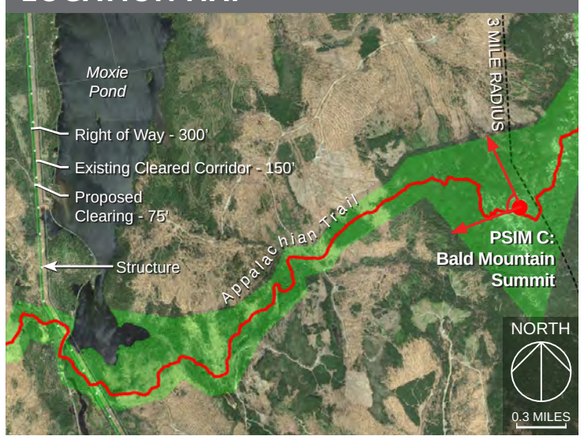
VIEWPOINT 9 PHOTOSIMULATION C: BALD MOUNTAIN SUMMIT, Bald Mountain TWP

REV 1: PSIM - AT - Revised 2020
Date: August 17, 2020

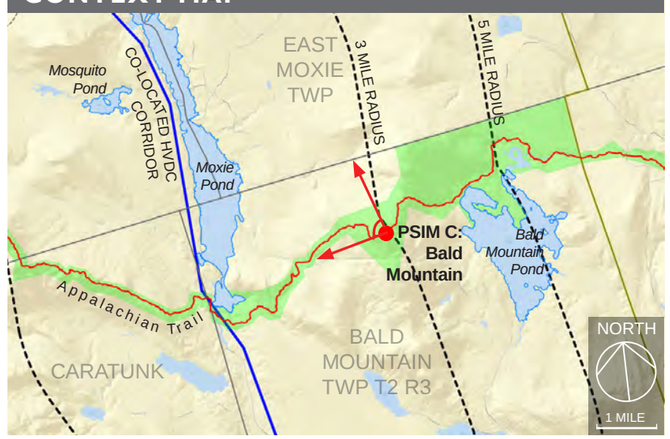
NEW ENGLAND CLEAN ENERGY CONNECT

Proposed Conditions: Panoramic view looking from southwest to northwest from the summit of Bald Mountain on the Appalachian Trail in Bald Mountain TWP toward the proposed co-located HVDC transmission line. Pleasant Pond Mountain is visible on the left side of the image. Mosquito Mountain and Moxie Pond are visible on the right side of the image.

LOCATION MAP

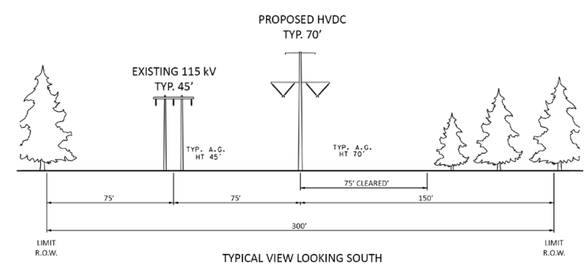


CONTEXT MAP



TECHNICAL INFORMATION

Typical Cross Section



Photograph / Photosimulation Information

Location	45.263807°, -69.771728°
Viewing Direction	Southwest to Northwest
Horizontal Angle of View	82°
Date and Time	06/07/17 at 8:35 am
Camera Focal Length	35 mm
Camera Make/Model	Nikon D5500
Photo Source	TJD&A
Proposed Structures Visible	25 +/- within 5 miles
Distance to Nearest Visible Structure	2.8 miles

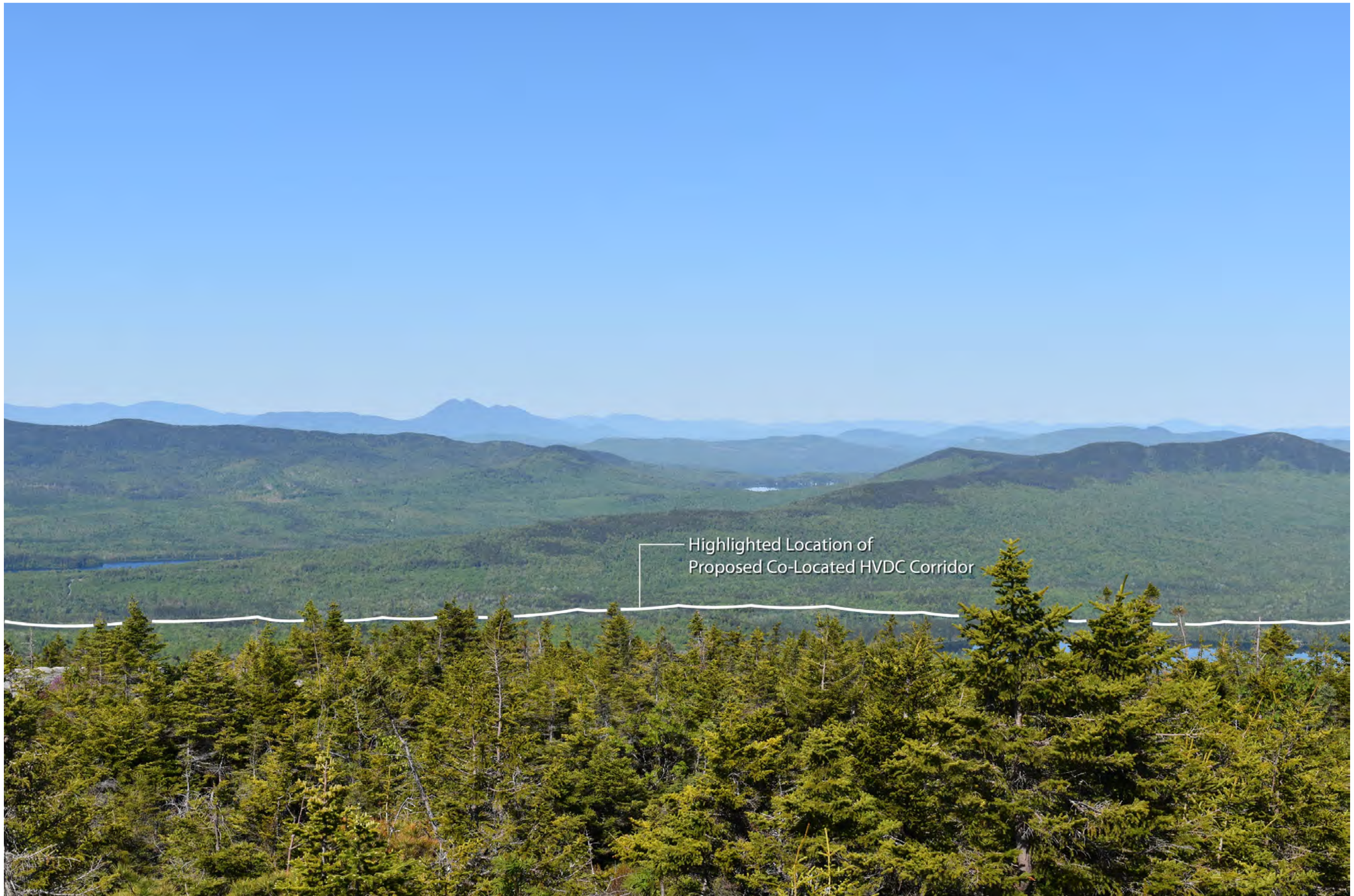
CENTRAL MAINE POWER

tjd&a

PHOTOSIMULATION C: BALD MOUNTAIN SUMMIT, Bald Mountain Twp

Proposed Conditions: Normal view looking southwest from Bald Mountain Summit. The co-located HVDC corridor will be visible at a distance of 3.0 miles.

PHOTOSIMULATION C: BALD MOUNTAIN SUMMIT, Bald Mountain Twp



Proposed Conditions: Normal view looking southwest from Bald Mountain Summit. The co-located HVDC corridor will be visible at a distance of 3.0 miles. The proposed co-located HVDC corridor location has been highlighted for reference.

PHOTOSIMULATION C: BALD MOUNTAIN SUMMIT, Bald Mountain Twp

Proposed Conditions: Normal view looking west from Bald Mountain Summit. The proposed co-located HVDC corridor will be partially visible on the far side of Moxie Pond at a distance of 3.1 miles.

PHOTOSIMULATION C: BALD MOUNTAIN SUMMIT, Bald Mountain Twp

Proposed Conditions: Normal view looking west from Bald Mountain Summit. The proposed co-located HVDC corridor will be partially visible on the far side of Moxie Pond at a distance of 3.1 miles. The proposed co-located HVDC corridor location has been highlighted for reference.

PHOTOSIMULATION C: BALD MOUNTAIN SUMMIT, Bald Mountain Twp

Proposed Conditions: Normal view looking northwest from Bald Mountain Summit. The proposed co-located corridor will be visible on the far side of Moxie Pond at a distance of 3.4 miles. The widened corridor will be visible where the existing corridor is visible.

PHOTOSIMULATION C: BALD MOUNTAIN SUMMIT, Bald Mountain Twp

REV 1: PSIM - AT - Revised 2020
Date: August 17, 2020

NEW ENGLAND CLEAN ENERGY CONNECT

Proposed Conditions: Normal view looking northwest from Bald Mountain Summit. The proposed co-located corridor will be visible on the far side of Moxie Pond at a distance of 3.4 miles. The widened corridor will be visible where the existing corridor is visible. The proposed co-located HVDC corridor location has been highlighted for reference.

Exhibit 6-2: Attachment F – Scenic Resource Chart (Revised)

Table 1. National Natural Landmarks and other Outstanding Natural and Cultural Features within 3 Miles of NECEC											
Scenic Resource	**Town**	**County**	**Type**	**Topo Visibility**	**Forest Visibility**	**TJDA Field Visit**	**TJDA Computer Analysis**	**Project Visibility Determination (Jan 2019)**	**Project Visibility of REVISION 1 Determination (OCT 2020)**	**Visual Impact (Jan 2019)**	**Visual Impact of REVISION 1 (OCT 2020)**
Moose River-Number 5 Bog	Bradstreet Twp., T5 R7 BKP WKR	Somerset	NNL	Y	Y	Y	N	Viewshed map indicates potential but fieldwork confirmed intervening evergreen vegetation will screen within 3 miles of the Project	No Change from Jan 2019 Determination	No Impact	No Impact
Number 5 Bog CE	T5 R7 BKP WKR	Somerset	NNL	Y	N	Y	N	Minimal/ Negligible, limited access	No Change from Jan 2019 Determination	Negligible Impact	Negligible Impact

Table 2. State or National Wildlife Refuges, Sanctuaries, or Preserves and State Game Refuges within 3 Miles of NECEC

Scenic Resource	Town	County	Type	Topo Visibility	Forest Visibility	TJDA Field Visit	TJDA Computer Analysis	Project Visibility Determination (Jan 2019)	Project Visibility of REVISION 1 Determination (OCT 2020)	Visual Impact (Jan 2019)	Visual Impact of REVISION 1 (OCT 2020)
Chesterville WMA	Jay	Chesterville	WMA	Y	N	Y	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Chesterville WMA	Jay, Chesterville	Chesterville	WMA	Y	Y	Y	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Fahi Pond WMA	Embden	Somerset	WMA	Y	Y	Y	Y	Minimal/ Negligible, tip of one structure potential	No Change from Jan 2019 Determination	Negligible Impact. See overlays included with submission	Negligible
Thurston WMA	New Gloucester	Cumberland	WMA	N	N	N	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Tolla Wolla WMA	Livermore	Androscoggin	WMA	Y	Y	Y	Y	Overlays determined no views due to intervening vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Androscoggin Lake	Leeds	Androscoggin	Focus Area	Y	Y	N	Y	Not likely due to intervening terrain/vegetation	No Change from Jan 2019 Determination	Negligible Impact	Negligible Impact
Attean Pond - Moose River	Appleton Twp., Bradstreet Twp., T5 R7 BKP WKR	Somerset	Focus Area	Y	Y	Y	Y	Attean Pond - Not likely or heavily filtered due to intervening veg. Moose River - Viewshed map indicates potential but fieldwork confirmed intervening vegetation will screen within 3 miles of the Project	No Change from Jan 2019 Determination	No Impact	No Impact
Bald Mountain	East Moxie Twp.	Somerset	Focus Area	Y	N	Y	Y	Summit of Bald Mountain is in Bald Mtn Twp	No Change from Jan 2019 Determination	Minimal Impact	Minimal Impact
Bald Mountain	Bald Mountain Twp. T2 R3	Somerset	Focus Area	Y	Y	Y	Y	Yes (See Psim C in Appendix E, and Psim 52 Leaf Off/Snow Cover Conditions)	No Change from Jan 2019 Determination	Minimal Impact	Minimal Impact
Cold Stream - West Forks	West Forks Plt., Moxie Gore	Somerset	Focus Area	Y	Y	Y	Y	Yes, along Wilson Hill Road, also visible in Johnson Mountain TWP (See Psim 46)	No Change from Jan 2019 Determination	Minimal Impact	Minimal Impact
Kennebec Estuary	Dresden, Pittston, Westport Island, Wiscasset, Woolwich	Lincoln, Kennebec, Sagadahoc	Focus Area	N	N	N	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Kennebec Floodplain - Madison and Anson	Anson, Madison	Somerset	Focus Area	Y	Y	Y	Y	Yes, at the junction of the Kennebec and Carrabassett Rivers in North Anson, co-located with existing 115 kV transmission line (See Psim 33)	No Change from Jan 2019 Determination	Minimal Impact Floodplains are not Scenic Resources	Minimal Impact Floodplains are not Scenic Resources

Table 3. State or Federally Designated Trails within 3 Miles of NECEC

Scenic Resource	Town	County	Type	Topo Visibility	Forest Visibility	TJDA Field Visit	TJDA Computer Analysis	Project Visibility Determination (Jan 2019)	Project Visibility of REVISION 1 Determination (OCT 2020)	Visual Impact (Jan 2019)	Visual Impact of REVISION 1 (OCT 2020)
Appalachian National Scenic Trail	The Forks Plt.	Somerset	NPS	Y	N	Y	Y	Yes (See Psim A from Pleasant Pond Mountain in Appendix E)	No Change from Jan 2019 Determination	Minimal Impact	Minimal Impact
Appalachian National Scenic Trail	Bald Mountain Twp. T2 R3, Caratunk	Somerset	NPS	Y	Y	Y	Y	Yes (See Psim B from Troutdale Road and Psim C from Bald Mountain in Appendix E, and Psim 52 Leaf Off/Snow Cover Conditions)	Yes. Troutdale Road: Tapered vegetation management within the corridor softens the edges and reduces contrast in color and texture. Native shrub plantings at water's edge reduces the amount of corridor visible from the AT. Bald Mountain: corridor location and transmission structures shifted slightly. Changes are minimally noticeable. See Psims B, 50 (Troutdale Road), C, 51, and 52 (Bald Mountain).	Minimal Impact – Bald Mountain Moderate/Strong Impact where AT is co-located with Troutdale Road (private road). A buffer planting plan has been developed to mitigate views toward the widened clearing	Troutdale Road: reduced from Strong to Moderate impact. Bald Mountain: Minimal: No change.
Androscoggin Riverlands State Park: Abenaki Overlook, Bradford Hill Trail, Deer Path Trail, Fox Run Trail, Gilbert Homestead Path, Harrington Path, Ledges Trail, Maud Greenleaf Path, Multi Use Trail, Ridge Trail, Snowmobile Trail, The Bradford Loop Trail, and Townsend Jr Homestead Path	Turner	Androscoggin	BPL non-motorized trails	Y	N	Y	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Androscoggin Riverlands State Park: Homestead Trail, Mower Homestead Trail, Old River Road Trail, Pine Loop Trail, and Rose Homestead Path	Turner	Androscoggin	BPL non-motorized trails	Y	Y	Y	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Androscoggin Riverlands State Park: Turner	Turner	Androscoggin	BPL motorized trails	Y	Y	Y	Y	Yes, (see Psim 23 in Appendix D). Project visible in between two existing transmission lines crossing the State Park	No Change from Jan 2019 Determination	Minimal Impact	Minimal Impact

Table 3. State or Federally Designated Trails within 3 Miles of NECEC (continued)

Scenic Resource	Town	County	Type	Topo Visibility	Forest Visibility	TJDA Field Visit	TJDA Computer Analysis	Project Visibility Determination (Jan 2019)	Project Visibility of REVISION 1 Determination (OCT 2020)	Visual Impact (Jan 2019)	Visual Impact of REVISION 1 (OCT 2020)
Bradbury Mountain State Park: Bat Trail, Bluff Trail, Boundary Trail, Fox Trail, Ginn Trail, Kristas Trail, Northern Loop Trail, Ragan Trail, Ski Trail, Snowmobile Trail, Summit Trail, Switchback Trail, Terrace Trail, and Tote Road Trail	Pownal	Cumberland	BPL non-motorized trails	Y	N	Y	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Bradbury Pineland Corridor	Pownal	Cumberland	BPL non-motorized trails	Y	Y	Y	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Cold Stream Forest: JAC-FORK	West Forks Plt.	Somerset	BPL motorized trails (ITS 87)	Y	N	Y	Y	No visibility due to intervening terrain/ vegetation throughout the parcel except for adjacent to Capital Road where the Project will be located. Fieldwork & computer model verified	No Change from Jan 2019 Determination	Minimal Impact – only near Capital Rd Project views from Cold Stream in Johnson Mtn Twp adjacent to Capitol Road.	Minimal Impact – only near Capital Rd Project views from Cold Stream in Johnson Mtn Twp adjacent to Capitol Road.
Holeb Public Reserved Land: Spencer Rips Portage, and Spencer Rips Portage South	T5 R7 BKP WKR	Somerset	BPL non-motorized trails	Y	N	Y	N	Viewshed map indicates potential but fieldwork confirmed intervening vegetation will screen within 3 miles of the Project	No Change from Jan 2019 Determination	No Impact	No Impact
Moxie Falls Scenic Area: Moxie Falls Trail	Moxie Gore	Somerset	BPL non-motorized trails	Y	N	Y	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Pineland Public Reserved Land: Bradbury Pineland Connector	North Yarmouth	Cumberland	BPL non-motorized trails	Y	N	Y	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
The Forks Plt. N public land: Moxie Falls	The Forks Plt., Moxie Falls	Somerset	BPL motorized trails	Y	N	Y	Y	No visibility due to intervening terrain/evergreen vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Whistlestop Rail Trail Jay to Farmington	Farmington, Jay, Livermore Falls, Wilton	Franklin	BPL motorized trails	Y	Y	Y	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact

Table 4. Properties Listed on the National Register of Historic Places within 3 Miles of NECEC

Scenic Resource	Town	County	Type	Topo Visibility	Forest Visibility	TJDA Field Visit	TJDA Computer Analysis	Project Visibility Determination (Jan 2019)	Project Visibility of REVISION 1 Determination (OCT 2020)	Visual Impact (Jan 2019)	Visual Impact of REVISION 1 (OCT 2020)
Anson Grange #88	Anson	Somerset	NRHP	Y	N	Y	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Arnold Trail to Quebec	Anson, Bingham, Concord Twp., Embden, Madison, Moscow, Norridgewock, Pleasant Ridge Plt., Solon, and Starks	Somerset	MDOHP	Y	Y	Y	Y	Yes, in Bingham and Anson, See Psim 20	No Change from Jan 2019 Determination	Minimal Impact	Minimal Impact
Bailey Farm Windmill	Anson	Somerset	NRHP	Y	N	Y	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Bingham Free Meetinghouse	Bingham	Somerset	NRHP	Y	Y	Y	Y	No visibility due to intervening terrain/vegetation/adjacent structures, orientation of the building	No Change from Jan 2019 Determination	No Impact	No Impact
Bradford House	Lewiston	Androscoggin	NRHP	N	N	N	Y	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Briggs, William, Homestead	Auburn	Androscoggin	NRHP	Y	Y	N	Y	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Carrabassett Inn	Anson	Somerset	NRHP	Y	N	Y	N	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Christ Church	Greene	Androscoggin	NRHP	N	N	N	N	Data Location Error – Not in project area	No Change from Jan 2019 Determination	No Impact	No Impact
Clifford, John D., House	Lewiston	Androscoggin	NRHP	Y	Y	N	Y	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Clough Meeting House	Lewiston	Androscoggin	NRHP	Y	Y	N	Y	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Concord Haven	Bingham, Concord Twp., Embden	Somerset	NRHP	Y	Y	Y	Y	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Cutler Memorial Library	Farmington	Franklin	NRHP	Y	Y	Y	N	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Embden Town House	Embden	Somerset	NRHP	Y	N	Y	N	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Farmington Historic District	Farmington	Franklin	NRHP	Y	Y	Y	Y	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
First Congregational Church, United Church of Christ	Farmington	Franklin	NRHP	Y	Y	Y	N	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Franklin County Courthouse	Farmington	Franklin	NRHP	Y	Y	Y	N	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact

Table 4. Properties Listed on the National Register of Historic Places within 3 Miles of NECEC (continued)

Scenic Resource	Town	County	Type	Topo Visibility	Forest Visibility	TJDA Field Visit	TJDA Computer Analysis	Project Visibility Determination (Jan 2019)	Project Visibility of REVISION 1 Determination (OCT 2020)	Visual Impact (Jan 2019)	Visual Impact of REVISION 1 (OCT 2020)
Free Baptist Church	Auburn	Androscoggin	NRHP	Y	Y	Y	N	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Free Will Baptist Meetinghouse	Farmington	Franklin	NRHP	Y	Y	Y	N	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Frye, Sen. William P., House	Lewiston	Androscoggin	NRHP	N	N	N	N	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Greenacre	Farmington	Franklin	NRHP	Y	Y	N	Y	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Greenwood, Chester, House	Farmington	Franklin	NRHP	Y	Y	Y	Y	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Hathorn Hall, Bates College	Lewiston	Androscoggin	NRHP	Y	Y	N	Y	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Healey Asylum	Lewiston	Androscoggin	NRHP	N	N	N	N	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Holland, Captain, House	Lewiston	Androscoggin	NRHP	Y	N	N	Y	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Holland-Drew House	Lewiston	Androscoggin	NRHP	Y	N	N	Y	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Holmes-Crafts Homestead	Jay	Franklin	NRHP	N	N	Y	Y	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Intervale Farm	New Gloucester	Cumberland	NRHP	N	N	N	Y	No visibility due to intervening structures/terrain/vegetation. Mis-located NPS datapoint corrected on maps previously submitted	No Change from Jan 2019 Determination	No Impact	No Impact
Isaacson, Philip M. and Deborah N., House	Lewiston	Androscoggin	NRHP	Y	Y	N	Y	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Jordan School	Lewiston	Androscoggin	NRHP	Y	Y	N	Y	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Kora Temple	Lewiston	Androscoggin	NRHP	Y	N	N	Y	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Lamb Block	Livermore Falls	Androscoggin	NRHP	Y	N	N	Y	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Little Red Schoolhouse	Farmington	Franklin	NRHP	Y	N	N	Y	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Lord, James C., House	Lewiston	Androscoggin	NRHP	Y	Y	N	Y	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Madison Public Library	Madison	Somerset	NRHP	Y	Y	Y	N	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Main Street-Frye Street Historic District	Lewiston	Androscoggin	NRHP	Y	Y	N	Y	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Mallett Hall	Pownal	Cumberland	NRHP	N	N	Y	N	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Marcotte Nursing Home	Lewiston	Androscoggin	NRHP	Y	Y	N	Y	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact

Table 4. Properties Listed on the National Register of Historic Places within 3 Miles of NECEC (continued)

Scenic Resource	Town	County	Type	Topo Visibility	Forest Visibility	TJDA Field Visit	TJDA Computer Analysis	Project Visibility Determination (Jan 2019)	Project Visibility of REVISION 1 Determination (OCT 2020)	Visual Impact (Jan 2019)	Visual Impact of REVISION 1 (OCT 2020)
Martel, Dr. Louis J., House	Lewiston	Androscoggin	NRHP	N	N	N	N	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Merrill Hall	Farmington	Franklin	NRHP	Y	Y	Y	N	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Nordica Homestead	Farmington	Franklin	NRHP	N	N	Y	N	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Oak Street School	Lewiston	Androscoggin	NRHP	Y	N	N	Y	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Old Point and Sebastian Rale Mon.	Norridgewock	Somerset	NRHP	N	N	Y	N	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Old Union Meetinghouse	Farmington	Franklin	NRHP	N	N	Y	N	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Peck, Bradford, House	Lewiston	Androscoggin	NRHP	Y	Y	N	Y	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Pownal Cattle Pound	Pownal	Cumberland	NRHP	N	N	Y	N	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Ramsdell, Hiram, House	Farmington	Franklin	NRHP	Y	Y	Y	N	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Randall, Jacob, House	Pownal	Cumberland	NRHP	N	N	Y	N	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Saint Mary's General Hospital	Lewiston	Androscoggin	NRHP	Y	Y	N	Y	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
St. Joseph's Catholic Church	Lewiston	Androscoggin	NRHP	Y	N	N	Y	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Steward--Emery House	Anson	Somerset	NRHP	Y	Y	Y	N	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
St. Peter and Paul Church	Lewiston	Androscoggin	NRHP	Y	N	N	Y	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Temples Historic District	Anson	Somerset	NRHP	Y	Y	Y	Y	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Thompson's Bridge	Starks	Somerset	NRHP	N	N	Y	N	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Trinity Episcopal Church	Lewiston	Androscoggin	NRHP	N	N	N	N	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Tufts House	Farmington	Franklin	NRHP	Y	N	Y	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Union Church	Durham	Androscoggin	NRHP	Y	N	N	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Universalist Meeting House	New Gloucester	Cumberland	NRHP	N	N	Y	Y	No visibility due to intervening terrain/ vegetation. Mis-located NPS data point corrected on maps previously submitted	No Change from Jan 2019 Determination	No Impact	No Impact
Webster Rubber Company Plant	Sabattus	Androscoggin	NRHP	N	N	Y	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact

Table 4. Properties Listed on the National Register of Historic Places within 3 Miles of NECEC (continued)											
Scenic Resource	**Town**	**County**	**Type**	**Topo Visibility**	**Forest Visibility**	**TJDA Field Visit**	**TJDA Computer Analysis**	**Project Visibility Determination (Jan 2019)**	**Project Visibility of REVISION 1 Determination (OCT 2020)**	**Visual Impact (Jan 2019)**	**Visual Impact of REVISION 1 (OCT 2020)**
Wedgewood, Dr. Milton, House	Lewiston	Androscoggin	NRHP	Y	N	N	Y	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
West Durham Methodist Church	Durham	Androscoggin	NRHP	Y	N	Y	Y	No visibility due to intervening structures/terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Weston Homestead	Madison	Somerset	NRHP	Y	N	Y	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact

Table 5. Properties Eligible for Listing on The National Register of Historic Places Within 3 Miles of NECEC and Determined to be Publicly Owned With Project Visibility.

Scenic Resource	Town	County	Type	Topo Visibility	Forest Visibility	TJDA Field Visit	TJDA Computer Analysis	Project Visibility Determination (Jan 2019)	Project Visibility of REVISION 1 Determination (OCT 2020)	Visual Impact (Jan 2019)	Visual Impact of REVISION 1 (OCT 2020)
Bingham Union	Bingham	Somerset	NRHP	Y	N	N	Y	No visibility due to intervening terrain/vegetation/buildings	No Change from Jan 2019 Determination	No Impact	No Impact
Valley Cemetery	Greene	Somerset	NRHP	Y	N	N	Y	Yes, tips of structure may be visible above dense trees between Cemetery and the Project	No Change from Jan 2019 Determination	Negligible Impact	Negligible Impact
Anson Grange #Maine Central Railroad – Rumford Branch at East Livermore	Livermore Falls	Somerset	NRHP	Y	N	N	Y	Yes, Project crosses the rail line. Active rail line in 400' wide transmission corridor.	No Change from Jan 2019 Determination	Minimal Impact	Minimal Impact
Garfield School	Concord Twp	Somerset	NRHP	Y	N	N	Y	Tips of structures may be visible above dense trees between the school building and Project	No Change from Jan 2019 Determination	Negligible Impact	Negligible Impact

Table 6. Cemeteries – Publicly Owned Cemeteries With Potential Views											
Scenic Resource	**Town**	**County**	**Type**	**Topo Visibility**	**Forest Visibility**	**TJDA Field Visit**	**TJDA Computer Analysis**	**Project Visibility Determination (Jan 2019)**	**Project Visibility of REVISION 1 Determination (OCT 2020)**	**Visual Impact (Jan 2019)**	**Visual Impact of REVISION 1 (OCT 2020)**
Village Cemetery	Bingham	Somerset	Public Cemetery	Y	Y	Y	Y	Possible visibility in leaf off conditions	No Change from Jan 2019 Determination	Minimal Impact	Minimal Impact
Athearn Cemetery	Anson	Somerset	Public Cemetery	Y	Y	N	Y	Two or three structures will be visible adjacent to ex. Transmission line	No Change from Jan 2019 Determination	Minimal Impact	Minimal Impact
Bradbury Cemetery	Durham	Androscoggin	Public Cemetery	Y	Y	N	Y	One or two structures may be visible over foreground house structure	No Change from Jan 2019 Determination	Minimal Impact	Minimal Impact

Table 7. National and State Parks within 3 Miles of NECEC

Scenic Resource	Town	County	Type	Topo Visibility	Forest Visibility	TJDA Field Visit	TJDA Computer Analysis	Project Visibility Determination (Jan 2019)	Project Visibility of REVISION 1 Determination (OCT 2020)	Visual Impact (Jan 2019)	Visual Impact of REVISION 1 (OCT 2020)
Androscoggin Riverlands State Park	Leeds, Turner	Androscoggin	BPL	Y	Y	Y	Y	Yes, (see simulation 23 in Appendix D) and additional overlays in Attachment E	No Change from Jan 2019 Determination	Moderate Impact	Moderate Impact
Bradbury Mountain State Park	Pownal	Cumberland	BPL	Y	N	Y	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Emden Boating	Embden	Somerset	BPL	N	N	Y	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Moxie Falls	Moxie Gore	Somerset	BPL	Y	Y	Y	Y	No visibility due to intervening terrain/ evergreen vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Runaround Pond	Durham	Androscoggin	BPL	Y	Y	Y	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Whistle Stop (Jay Farmington) Rail Trail	Farmington, Jay, Wilton	Franklin	BPL	Y	Y	Y	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact

Table 8. Public Natural Resources on Public Lands Visited in Part for Enjoyment of Visual Qualities within 3 Miles of NECEC

Scenic Resource	Town	County	Type	Topo Visibility	Forest Visibility	TJDA Field Visit	TJDA Computer Analysis	Project Visibility Determination (Jan 2019)	Project Visibility of REVISION 1 Determination (OCT 2020)	Visual Impact (Jan 2019)	Visual Impact of REVISION 1 (OCT 2020)
Allen Pond	Greene	Androscoggin	Great Pond	Y	Y	N	Y	Yes, tips of 6 structures may be visible from southern end of pond	Yes, tips of 4-6 structures may be visible from southern end of pond	Minimal Impact	Minimal Impact
Androscoggin Lake	Leeds	Androscoggin	Great Pond	Y	Y	N	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	Minimal/negligible potential impact for small portion of lake just within 3 miles of Project.	Minimal/negligible potential impact for small portion of lake just within 3 miles of Project.
Androscoggin Lake	Wayne	Kennebec	Great Pond	Y	N	N	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Auburn Lake	Auburn	Androscoggin	Great Pond	Y	Y	N	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Austin Pond	Bald Mountain Twp. T2 R3	Somerset	Great Pond	N	N	Y	N	Not likely due to intervening terrain/vegetation	No Change from Jan 2019 Determination	Minimal Impact	Minimal Impact
Baker Pond	Caratunk	Somerset	Great Pond	Y	N	Y	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Baker Pond	Moxie Gore	Somerset	Great Pond	Y	N	Y	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Bartlett Pond	Livermore	Androscoggin	Great Pond	N	N	N	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Beattie Pond	Beattie Twp., Lowelltown Twp.	Franklin	Great Pond	Y	Y	Y	Y	Yes, See simulation 1 in Appendix D	Visible structures have shifted slightly, little to no change from Jan 2019 determination.	Minimal Impact	Minimal Impact
Berry Pond	Greene	Androscoggin	Great Pond	Y	Y	N	Y	Yes, tops of 1 or 2 structures possible	No Change from Jan 2019 Determination	Minimal Impact	Minimal Impact
Big Dimmock Pond	Caratunk	Somerset	Great Pond	N	N	Y	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Black Brook Pond	Moxie Gore	Somerset	Great Pond	Y	N	Y	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Boulder Pond	T5 R7 BKP WKR	Somerset	Great Pond	Y	N	N	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Burgess Pond	Fayette	Kennebec	Great Pond	N	N	N	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Burgess Pond	Livermore Falls	Androscoggin	Great Pond	N	N	N	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Chase Pond	Moscow	Somerset	Great Pond	N	N	N	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Chub Pond	Hobbstown Twp.	Somerset	Great Pond	Y	N	Y	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Clearwater Lake	Farmington, Industry	Franklin	Great Pond	Y	Y	Y	Y	Possible but minimal. See overlay in Attachment E.	No Change from Jan 2019 Determination	Minimal Impact	Minimal Impact

Table 8. Public Natural Resources on Public Lands Visited in Part for Enjoyment of Visual Qualities within 3 Miles of NECEC (continued)

Scenic Resource	Town	County	Type	Topo Visibility	Forest Visibility	TJDA Field Visit	TJDA Computer Analysis	Project Visibility Determination (Jan 2019)	Project Visibility of REVISION 1 Determination (OCT 2020)	Visual Impact (Jan 2019)	Visual Impact of REVISION 1 (OCT 2020)
Dead Stream Pond	West Forks Plt.	Somerset	Great Pond	N	N	Y	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Ellis Pond	Chase Stream Twp.	Somerset	Great Pond	Y	N	N	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Embden Pond	Embden	Somerset	Great Pond	Y	Y	Y	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Fahi Pond	Embden	Somerset	Great Pond	Y	Y	Y	Y	Minimal/ Negligible, tip of one structure potential. See overlay in Attachment E.	No Change from Jan 2019 Determination	Minimal Impact	Minimal Impact
Fish Pond	Moxie Gore	Somerset	Great Pond	Y	N	N	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Grace Pond	Upper Enchanted Twp.	Somerset	Great Pond	Y	Y	Y	Y	No visibility due to intervening terrain/evergreen vegetation. See overlay in Attachment E.	No Change from Jan 2019 Determination	No Impact	No Impact
Heald Pond (Big)	Caratunk	Somerset	Great Pond	N	N	N	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Heald Pond (Little)	Caratunk	Somerset	Great Pond	N	N	N	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Horseshoe Pond	Chase Stream Twp.	Somerset	Great Pond	N	N	N	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Iron Pond	Hobbstown Twp., T5 R6 BKP WKR	Somerset	Great Pond	Y	Y	N	Y	Yes, top of 1 structure over evergreen vegetation	No Change from Jan 2019 Determination	Minimal Impact	Minimal Impact
Jackson Pond	Concord Twp.	Somerset	Great Pond	Y	N	Y	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Lily Pond	Concord Twp.	Somerset	Great Pond	Y	Y	N	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Little Austin Pond	Bald Mountain Twp. T2 R3	Somerset	Great Pond	N	N	Y	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Little Dimmick Pond	Caratunk	Somerset	Great Pond	N	N	Y	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Little Mosquito Pond	The Forks Plt.	Somerset	Great Pond	N	N	N	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Little Sabattus Pond	Greene	Androscoggin	Great Pond	N	N	Y	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Little Wilson Hill Pond	Johnson Mountain Twp.	Somerset	Great Pond	Y	Y	N	Y	Yes, tips of 3 structures may be visible from south end. See attached overlays in Attachment E dated 01.30.2019	yes, tips of 1-2 structures may be visible from south end.	Minimal Impact	Minimal Impact
Long Pond	Livermore	Androscoggin	Great Pond	N	N	Y	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact

Table 8. Public Natural Resources on Public Lands Visited in Part for Enjoyment of Visual Qualities within 3 Miles of NECEC (continued)

Scenic Resource	Town	County	Type	Topo Visibility	Forest Visibility	TJDA Field Visit	TJDA Computer Analysis	Project Visibility Determination (Jan 2019)	Project Visibility of REVISION 1 Determination (OCT 2020)	Visual Impact (Jan 2019)	Visual Impact of REVISION 1 (OCT 2020)
Long Pond	Chase Stream Twp.	Somerset	Great Pond	Y	N	N	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Moore Pond	Bradstreet Twp.	Somerset	Great Pond	Y	Y	Y	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Moose Hill Pond	Livermore Falls	Androscoggin	Great Pond	N	N	Y	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Moose Pond	Lowelltown Twp., Skinner Twp.	Franklin	Great Pond	Y	Y	N	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Mosher Pond	Fayette	Kennebec	Great Pond	N	N	N	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Mosquito Pond	The Forks Plt.	Somerset	Great Pond	Y	N	Y	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Mountain Dimmock Pond	Caratunk	Somerset	Great Pond	N	N	N	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Moxie Pond	Bald Mountain Twp. T2 R3, East Moxie Twp., The Forks Plt.	Somerset	Great Pond	Y	Y	Y	Y	Yes, see Psim 13, 14, 15 in Appendix D in VIA, Re-engineered structure height as mitigation. Evergreen vegetation on west side of pond would block majority of the Project	Minimal change from Jan 2019 Determination due to minor shift in structure locations	Low to Moderate depending on location on pond	Ratings reduced to Minimal for all three locations on pond.
Mud Pond	Beattie Twp.	Franklin	Great Pond	Y	Y	N	Y	Not likely due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Mud Pond	Moxie Gore	Somerset	Great Pond	Y	N	N	Y	Not likely due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
No Name Pond	Lewiston	Androscoggin	Great Pond	Y	Y	Y	Y	Yes, filtered views may be visible looking south, up to 7 structures	Yes, filtered views may be visible looking south, up to 6 structures	Minimal Impact	Minimal Impact
North Pond	Chesterville	Franklin	Great Pond	Y	Y	Y	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Parker Pond	Jay	Franklin	Great Pond	Y	Y	N	Y	Not likely due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Parlin Pond	Johnson Mountain Twp., Parlin Pond Twp.	Somerset	Great Pond	Y	Y	Y	Y	Yes, see Psim 7 in Appendix D in VIA, and Psim 42 Leaf- Off Snow Cover	Yes. See Psim 7 and Psim 42 Leaf-Off Snow Cover. Tapered vegetation management will minimize contrast in color, line, and texture.	Moderate Impact	Reduced from Moderate to Minimal Impact.
Pease Pond	Wilton	Franklin	Great Pond	Y	Y	N	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Pleasant Pond	Turner	Androscoggin	Great Pond	N	N	N	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Prescott Pond	Moxie Gore	Somerset	Great Pond	Y	N	Y	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact

Table 8. Public Natural Resources on Public Lands Visited in Part for Enjoyment of Visual Qualities within 3 Miles of NECEC (continued)

Scenic Resource	Town	County	Type	Topo Visibility	Forest Visibility	TJDA Field Visit	TJDA Computer Analysis	Project Visibility Determination (Jan 2019)	Project Visibility of REVISION 1 Determination (OCT 2020)	Visual Impact (Jan 2019)	Visual Impact of REVISION 1 (OCT 2020)
Rock Pond	Appleton Twp., T5 R6 BKP WKR	Somerset	Great Pond	Y	N	Y	Y	Yes, see Psim 3 in Appendix D and Revised Psim 3 dated December 7, 2018 showing proposed tapered vegetation management as mitigation	Yes. See Psim 3. Taller structures in vicinity of Gold Brook. Notch effect and cleared corridor will be softened by tapered vegetation management.	Moderate Impact	Moderate Impact
Round Pond	Livermore	Androscoggin	Great Pond	N	N	Y	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Round Pond	Chase Stream Twp.	Somerset	Great Pond	N	N	N	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Runaround Pond	Durham	Androscoggin	Great Pond	Y	Y	Y	Y	Yes, minimal filtered views from west side of pond during leaf off	No Change from Jan 2019 Determination	Negligible Impact	Negligible Impact
Sabattus Pond	Greene, Sabattus, Wales	Androscoggin	Great Pond	Y	N	Y	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Sand Pond	Chesterville	Franklin	Great Pond	Y	Y	Y	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Sandy Pond	Embden	Somerset	Great Pond	Y	N	Y	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Schoolhouse Pond	Fayette	Kennebec	Great Pond	Y	N	N	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Schoolhouse Pond	Livermore Falls	Androscoggin	Great Pond	N	N	N	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Spencer Lake	Hobbstown Twp.	Somerset	Great Pond	Y	Y	Y	Y	No visibility due to intervening terrain/ evergreen vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Temple Pond	Moscow	Somerset	Great Pond	Y	Y	N	Y	Yes, in context with Wyman Hydro	No Change from Jan 2019 Determination	Minimal Impact	Minimal Impact
Tibbetts Pond	Concord Twp.	Somerset	Great Pond	N	N	N	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Tobey Pond	Johnson Mountain Twp.	Somerset	Great Pond	Y	Y	N	Y	Minimal Visibility Potential	Minimal visibility of 1 structure (594) potential	Minimal Impact	Minimal Impact
Tobey Pond #3	T5 R7 BKP WKR	Somerset	Great Pond	Y	N	Y	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Toby Pond	Hobbstown Twp.	Somerset	Great Pond	Y	Y	N	Y	Potential for visibility	Potential for visibility of tops of 1-2 structures	Minimal Impact	Minimal Impact
unnamed pond	Appleton Twp.	Somerset	Great Pond	Y	N	N	N	Unknown	Unknown	Unknown	Unknown
unnamed pond	Bradstreet Twp.	Somerset	Great Pond	Y	Y	N	N	Unknown	Unknown	Unknown	Unknown
unnamed pond	T5 R7 BKP WKR	Somerset	Great Pond	Y	Y	N	N	Unknown	Unknown	Unknown	Unknown
Upper Tobey Pond	T5 R7 BKP WKR	Somerset	Great Pond	Y	Y	N	Y	Not likely due to intervening terrain/vegetation	No Change from Jan 2019 Determination	Minimal Impact	Minimal Impact
Whipple Pond	T5 R7 BKP WKR	Somerset	Great Pond	Y	Y	Y	Y	Not likely due to intervening terrain/ evergreen vegetation. See overlay in Attachment E.	No Change from Jan 2019 Determination	Negligible Impact	Negligible Impact
Wilson Hill Pond	West Forks Plt.	Somerset	Great Pond	Y	N	N	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Wyman Lake	Moscow, Pleasant Ridge Plt.	Somerset	Great Pond	Y	Y	Y	Y	Yes, seen in context with Wyman Dam and Bingham Wind Project, see Psim 20 in Appendix D	No Change from Jan 2019 Determination	Minimal Impact	Minimal Impact

Table 9. Rivers & Streams – Public Natural Resources of Public Lands Visited in Part or Enjoyment of Visual Qualities within 3 Miles of NECEC											
Scenic Resource	**Town**	**County**	**Type**	**Topo Visibility**	**Forest Visibility**	**TJDA Field Visit**	**TJDA Computer Analysis**	**Project Visibility Determination (Jan 2019)**	**Project Visibility of REVISION 1 Determination (OCT 2020)**	**Visual Impact (Jan 2019)**	**Visual Impact of REVISION 1 (OCT 2020)**
Alder Brook	Durham	Androscoggin	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Alder Brook	Embden	Somerset	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Alder Stream	East Moxie Twp.	Somerset	Streams	Y	N	N	N	No	100-foot wide riparian filter area will be established	No Impact	No Impact
Allen Stream	Greene	Androscoggin	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Allen Stream	Leeds	Androscoggin	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Androscoggin River	Auburn	Androscoggin	Streams	Y	Y	Y	Y	Yes, replacement of structures. See Psim 23	Replacement of structures. See Psim 25	Moderate Impact	Reduced to Minimal
Androscoggin River	Durham	Androscoggin	Streams	Y	Y	Y	Y	Yes, replacement of structures. See Psim 23	Replacement of structures. See Psim 25	Moderate Impact	Reduced to Minimal
Androscoggin River	Greene	Androscoggin	Streams	Y	Y	N	Y	Not likely due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Androscoggin River	Jay	Franklin	Streams	Y	Y	Y	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Androscoggin River	Leeds	Androscoggin	Streams	Y	Y	N	Y	Not likely due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Androscoggin River	Lewiston	Androscoggin	Streams	Y	Y	Y	Y	Yes, replacement of structures. See Psim 23	Yes, replacement of structures. See Psim 25	Minimal Impact	Minimal Impact
Androscoggin River	Lisbon	Androscoggin	Streams	Y	Y	Y	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Androscoggin River	Livermore	Androscoggin	Streams	Y	Y	Y	Y	Heavily filtered views or not visible due to intervening vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Androscoggin River	Livermore Falls	Androscoggin	Streams	Y	Y	Y	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Androscoggin River	Turner	Androscoggin	Streams	Y	Y	Y	Y	Heavily filtered views or not visible due to intervening vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Austin Stream	Bald Mountain Twp. T2 R3	Somerset	Streams	Y	N	N	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Austin Stream	Bingham, Mayfield Twp., Moscow	Somerset	Streams	Y	Y	Y	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact

Table 9. Rivers & Streams – Public Natural Resources of Public Lands Visited in Part or Enjoyment of Visual Qualities within 3 Miles of NECEC (continued)

Scenic Resource	Town	County	Type	Topo Visibility	Forest Visibility	TJDA Field Visit	TJDA Computer Analysis	Project Visibility Determination (Jan 2019)	Project Visibility of REVISION 1 Determination (OCT 2020)	Visual Impact (Jan 2019)	Visual Impact of REVISION 1 (OCT 2020)
Back River	Woolwich	Sagadahoc	Streams	N	N			No	No Change from Jan 2019 Determination	No Impact	No Impact
Baker Stream	Caratunk, Bald Mountain Twp	Somerset	Streams	Y	N	Y	Y	Yes, at existing crossing at southern end of Moxie Pond/Joes Hole, See Psim B in Appendix E of VIA	Tapered vegetation management within the corridor softens the edges and reduces contrast in color and texture. Native shrub plantings at water's edge reduces the amount of corridor visible from the AT.	Minimal Impact	Minimal Impact on Baker Stream: see description for Appalachian National Scenic Trail
Baker Stream	Appleton Twp	Somerset	Streams	Y	Y	N	Y	Yes	100-foot wide riparian filter area will be established.	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Bald Mountain Brook	Bald Mountain Twp. T2 R3	Somerset	Streams	Y	Y	N	Y	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Bald Mountain Stream	Bald Mountain Twp. T2 R3	Somerset	Streams	N	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Barker Stream	Farmington	Franklin	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No impact	No Impact
Barrett Brook	Appleton Twp.	Somerset	Streams	Y	Y	N	N	Yes	100-foot wide riparian filter area will be established at tributary crossings.	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Bassett Brook	Moscow	Somerset	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No impact	No impact
Beales Brook	Farmington	Franklin	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Bean Brook	Bradstreet Twp., Parlin Pond Twp.	Somerset	Streams	N	N	N	N	No	No Change from Jan 2019 Determination	No impact	No impact
Bear Brook	Bald Mountain Twp. T2 R3	Somerset	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No impact	No impact
Bear Brook	East Moxie Twp.	Somerset	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Bear Brook	New Gloucester	Cumberland	Streams	N	N	N	N	No	No Change from Jan 2019 Determination	No impact	No impact

Table 9. Rivers & Streams – Public Natural Resources of Public Lands Visited in Part or Enjoyment of Visual Qualities within 3 Miles of NECEC (continued)

Scenic Resource	Town	County	Type	Topo Visibility	Forest Visibility	TJDA Field Visit	TJDA Computer Analysis	Project Visibility Determination (Jan 2019)	Project Visibility of REVISION 1 Determination (OCT 2020)	Visual Impact (Jan 2019)	Visual Impact of REVISION 1 (OCT 2020)
Beaver Brook	Farmington	Franklin	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Big Sandy Stream	East Moxie Twp.	Somerset	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No impact	No impact
Billington Brook	Livermore Falls	Androscoggin	Streams	N	N	N	N	No	No Change from Jan 2019 Determination	No impact	No impact
Bitter Brook	Bradstreet Twp., Upper Enchanted Twp.	Somerset	Streams	Y	Y	N	N	Yes	100-foot wide riparian filter area will be established.	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Bitter Brook	Hobbstown Twp., T5 R7 BKP WKR	Somerset	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No impact	No impact
Black Brook	Moxie Gore	Somerset	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No impact	No impact
Black Brook	West Forks Plt.	Somerset	Streams	N	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No impact
Black Hill Stream	Embden	Somerset	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Bog Brook	Appleton Twp.	Somerset	Streams	Y	Y	N	N	Yes	100-foot wide riparian filter area will be established at tributary crossings	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Boundary Brook	Beattie Twp.	Franklin	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Boundary Brook	Lowelltown Twp.	Franklin	Streams	N	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Bradford Brook	Turner	Androscoggin	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Bragdon Brook	New Sharon	Franklin	Streams	N	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Caribou Flow	Skinner Twp.	Franklin	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	No Impact
Carrabassett River	Anson	Somerset	Streams	Y	Y	Y	Y	Yes, adjacent to existing transmission line crossing, See Psim 34	No Change from Jan 2019 Determination	Moderate Impact	Moderate Impact
Carry Brook	Moxie Gore	Somerset	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact

Table 9. Rivers & Streams – Public Natural Resources of Public Lands Visited in Part or Enjoyment of Visual Qualities within 3 Miles of NECEC (continued)

Scenic Resource	Town	County	Type	Topo Visibility	Forest Visibility	TJDA Field Visit	TJDA Computer Analysis	Project Visibility Determination (Jan 2019)	Project Visibility of REVISION 1 Determination (OCT 2020)	Visual Impact (Jan 2019)	Visual Impact of REVISION 1 (OCT 2020)
Carry Brook	West Forks Plt.	Somerset	Streams	N	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Cascade Brook	Farmington	Franklin	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Chandler Brook	Durham	Androscoggin	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Chandler Brook	North Yarmouth	Cumberland	Streams	N	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Chandler Brook	Pownal	Cumberland	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Chase Stream	Chase Stream Twp.	Somerset	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Chase Stream	Moscow	Somerset	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Clay Brook	Jay	Franklin	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Clay Brook	Livermore Falls	Androscoggin	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	
Cold Brook	T5 R6 BKP WKR	Somerset	Streams	N	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Cold Stream	Johnson Moun-tain Twp., West Forks Plt.	Somerset	Streams	Y	Y	Y	Y	Yes, near capital road and ITS 87, see Psim 46	35-foot tall vegetation to be preserved on both sides of the stream to enhance habitat and screen views of structures and corridor. Part of Wildlife Area 7.	Minimal Impact	Minimal Impact
Davis Brook	T5 R6 BKP WKR	Somerset	Streams	N	N			No	No Change from Jan 2019 Determination	No Impact	No Impact
Dead River	Bowtown Twp., West Forks Plt.	Somerset	Streams	N	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Dead River	Leeds	Androscoggin	Streams	Y	Y	Y	Y	Yes, 75' additional cleared corridor	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Dead Stream	Chase Stream Twp.	Somerset	Streams	N	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Dimmick Stream	Caratunk	Somerset	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Dud Brook	T5 R6 BKP WKR	Somerset	Streams	N	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact

Table 9. Rivers & Streams – Public Natural Resources of Public Lands Visited in Part or Enjoyment of Visual Qualities within 3 Miles of NECEC (continued)

Scenic Resource	Town	County	Type	Topo Visibility	Forest Visibility	TJDA Field Visit	TJDA Computer Analysis	Project Visibility Determination (Jan 2019)	Project Visibility of REVISION 1 Determination (OCT 2020)	Visual Impact (Jan 2019)	Visual Impact of REVISION 1 (OCT 2020)
Durgin Brook	T5 R6 BKP WKR	Somerset	Streams	N	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Durgin Brook	West Forks Plt.	Somerset	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Dyer Brook	Durham	Androscoggin	Streams	N	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
East Branch Barrett Brook	Appleton Twp.	Somerset	Streams	N	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
East Branch Chandler Brook	Pownal	Cumberland	Streams	N	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
East Branch Enchanted Stream	Upper Enchanted Twp.	Somerset	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
East Branch Moose River	Skinner Twp.	Franklin	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
East Branch Salmon Stream	West Forks Plt.	Somerset	Streams	Y	Y	N	N	Yes	100-foot wide riparian filter area will be established.	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Fahi Brook	Anson	Somerset	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Fahi Brook	Embden	Somerset	Streams	Y	Y	Y	Y	Not likely due to intervening vegetation	No Change from Jan 2019 Determination	Minimal Impact	Minimal Impact
Fall Brook	Embden, Solon	Somerset	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Falls Brook	Industry	Franklin	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Falls Brook	Starks	Somerset	Streams	N	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Fish Brook	Industry	Franklin	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Fish Meadow Brook	Livermore, Livermore Falls	Androscoggin	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Fourmile Brook	Bradstreet Twp.	Somerset	Streams	Y	Y	N	N	Yes	100-foot wide riparian filter area will be established.	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Fourmile Brook	Upper Enchanted Twp.	Somerset	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Fuller Brook	Jay	Franklin	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic RRS	Minimal Impact

Table 9. Rivers & Streams – Public Natural Resources of Public Lands Visited in Part or Enjoyment of Visual Qualities within 3 Miles of NECEC (continued)

Scenic Resource	Town	County	Type	Topo Visibility	Forest Visibility	TJDA Field Visit	TJDA Computer Analysis	Project Visibility Determination (Jan 2019)	Project Visibility of REVISION 1 Determination (OCT 2020)	Visual Impact (Jan 2019)	Visual Impact of REVISION 1 (OCT 2020)
Gerrish Brook	Durham	Androscoggin	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Gerrish Brook	Lisbon	Androscoggin	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Getchell Brook	Anson	Somerset	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Getchell Brook	Madison	Somerset	Streams	N	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Gilbert Brook	Anson	Somerset	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Gilbert Brook	Madison	Somerset	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Gilman Brook	Anson, Madison	Somerset	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Gold Brook	Appleton Twp., T5 R6 BKP WKR	Somerset	Streams	Y	Y	N	N	Yes	Full canopy height vegetation at stream crossing for riparian filter. Will also screen structures and corridor.	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Goodrich Brook	Industry	Franklin	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	No Impact
Goodrich Brook	New Sharon	Franklin	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Gulf Stream	Moscow	Somerset	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Hale Brook	Industry, New Sharon	Franklin	Streams	N	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Hardy Brook	Farmington	Franklin	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Hardy Brook	Wilton	Franklin	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Hart Brook	Lewiston	Androscoggin	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact

Table 9. Rivers & Streams – Public Natural Resources of Public Lands Visited in Part or Enjoyment of Visual Qualities within 3 Miles of NECEC (continued)

Scenic Resource	Town	County	Type	Topo Visibility	Forest Visibility	TJDA Field Visit	TJDA Computer Analysis	Project Visibility Determination (Jan 2019)	Project Visibility of REVISION 1 Determination (OCT 2020)	Visual Impact (Jan 2019)	Visual Impact of REVISION 1 (OCT 2020)
Hay Bog Brook	Skinner Twp.	Franklin	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Heald Stream	Caratunk	Somerset	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Heald Stream	Moscow	Somerset	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Moderate Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Hilton Brook	Starks	Somerset	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Hogans Brook	Lowelltown Twp.	Franklin	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Hooper Brook	Greene, Leeds	Androscoggin	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Horse Brook	Bradstreet Twp., Upper Enchanted Twp.	Somerset	Streams	Y	Y	N	N	Yes	100-foot wide riparian filter area will be established.	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
House Brook	Auburn, Durham	Androscoggin	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Houston Brook	Concord Twp., Pleasant Ridge Plt.	Somerset	Streams	N	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Huckleberry Stream	Chesterville	Franklin	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Hunton Brook	Livermore, Livermore Falls	Androscoggin	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Jackin Brook	Anson	Somerset	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Jackin Brook	Embden	Somerset	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Jackson Brook	Bingham	Somerset	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact

Table 9. Rivers & Streams – Public Natural Resources of Public Lands Visited in Part or Enjoyment of Visual Qualities within 3 Miles of NECEC (continued)

Scenic Resource	Town	County	Type	Topo Visibility	Forest Visibility	TJDA Field Visit	TJDA Computer Analysis	Project Visibility Determination (Jan 2019)	Project Visibility of REVISION 1 Determination (OCT 2020)	Visual Impact (Jan 2019)	Visual Impact of REVISION 1 (OCT 2020)
Jackson Brook	Moscow	Somerset	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
James Brook	Jay	Franklin	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Jepson Brook	Lewiston	Androscoggin	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Jones Brook	Madison	Somerset	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Josiah Brook	Industry	Franklin	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Josiah Brook	Starks	Somerset	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Keith Brook	Livermore	Androscoggin	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Kennebec River	Anson, Bingham, Embden Concord Twp., Embden, Madison, Moscow, Moxie Gore, Norridge-wock, Pleasant Ridge Plt., Solon, West Forks Plt.	Somerset	Streams	Y	Y	Y	Y	Visibility at crossing below Wyman Dam in Moscow, Filtered visibility of the tops of one or two structures possible in Bingham/Solon, Embden/Concord Twp section. See Computer model overlays in Attachment E.	No Change from Jan 2019 Determination	Moderate Impact at crossing below Wyman Dam Minimal Impact in Bingham, Solon, Embden, Concord Twp	Moderate Impact at crossing below Wyman Dam Minimal Impact in Bingham, Solon, Embden, Concord Twp
Kennebec River	Starks	Somerset	Streams	Y	N	Y	Y	No	No Change from Jan 2019 Determination	No Impact	No Impact
Kennebec River	The Forks Plt.	Somerset	Streams	N	N	Y	Y	No	No Change from Jan 2019 Determination	No Impact	No Impact
Lemon Stream	Anson	Somerset	Streams	N	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Lemon Stream	Industry	Franklin	Streams	N	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Lemon Stream	Starks	Somerset	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact

Table 9. Rivers & Streams – Public Natural Resources of Public Lands Visited in Part or Enjoyment of Visual Qualities within 3 Miles of NECEC (continued)

Scenic Resource	Town	County	Type	Topo Visibility	Forest Visibility	TJDA Field Visit	TJDA Computer Analysis	Project Visibility Determination (Jan 2019)	Project Visibility of REVISION 1 Determination (OCT 2020)	Visual Impact (Jan 2019)	Visual Impact of REVISION 1 (OCT 2020)
Libby Brook	Auburn	Androscoggin	Streams	Y	N	N	Y	Unlikely due to intervening vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Libby Brook	Durham	Androscoggin	Streams	Y	Y	Y	Y	Yes, at crossing within ex. Corridor, no additional clearing	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Little Heald Brook	Caratunk	Somerset	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Little Heald Brook	Moscow	Somerset	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Little Houston Brook	Concord Twp.	Somerset	Streams	N	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Little Norridgewock Stream	Chesterville	Franklin	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Little Norridgewock Stream	Farmington	Franklin	Streams	N	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Little Norridgewock Stream	Jay	Franklin	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Little Sandy Stream	Bald Mountain Twp. T2 R3	Somerset	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Little Sandy Stream	Caratunk, The Forks Plt.	Somerset	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Little Spencer Stream	Hobbstown Twp., T5 R7 BKP WKR	Somerset	Streams	Y	Y	N	N	Yes	100-foot wide riparian filter area will be established.	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Lively Brook	Turner	Androscoggin	Streams	N	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Martin Stream	Concord Twp., Embden	Somerset	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Maxwell Brook	Sabattus, Livermore Falls	Androscoggin	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Meadow Brook	Auburn	Androscoggin	Streams	N	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Meadow Brook	Fayette	Kennebec	Streams	N	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Meadow Brook	New Gloucester	Cumberland	Streams	N	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact

Table 9. Rivers & Streams – Public Natural Resources of Public Lands Visited in Part or Enjoyment of Visual Qualities within 3 Miles of NECEC (continued)

Scenic Resource	Town	County	Type	Topo Visibility	Forest Visibility	TJDA Field Visit	TJDA Computer Analysis	Project Visibility Determination (Jan 2019)	Project Visibility of REVISION 1 Determination (OCT 2020)	Visual Impact (Jan 2019)	Visual Impact of REVISION 1 (OCT 2020)
Meadow Brook	Industry, Jay, Wilton	Franklin	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Meadow Brook	Starks	Somerset	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Michael Stream	Solon	Somerset	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Mile Brook	Moxie Gore, The Forks Plt.	Somerset	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Mill Brook	Beattie Twp.	Franklin	Streams	Y	Y	N	N	Yes	100-foot wide riparian filter area will be established.	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Mill Stream	Anson, Concord Twp.	Somerset	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Mill Stream	Embden	Somerset	Streams	Y	Y	N	N	Yes,	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Mink Brook	Moscow	Somerset	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Yes, at existing crossing. Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Mitchell Brook	Industry	Franklin	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Montsweag Brook	Wiscasset, Woolwich	Lincoln	Streams	N	N	Y	N	Yes, within the existing corridor, existing transmission line	No Change from Jan 2019 Determination	Minimal Impact	Minimal Impact
Moody Brook	Lewiston	Androscoggin	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Moose River	Beattie Twp.	Franklin	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Moose River	Lowelltown Twp.	Franklin	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Moose River	Bradstreet Twp.	Somerset	Streams	Y	Y	Y	Y	Viewshed map indicates potential but fieldwork confirmed intervening vegetation will screen within 3 miles of the Project	No Change from Jan 2019 Determination	No Impact	No Impact
Moose River	T5 R7 BKP WKR	Somerset	Streams	Y	N	Y	Y	Viewshed map indicates potential but fieldwork confirmed intervening vegetation will screen within 3 miles of the Project	No Change from Jan 2019 Determination	No Impact	No Impact

Table 9. Rivers & Streams – Public Natural Resources of Public Lands Visited in Part or Enjoyment of Visual Qualities within 3 Miles of NECEC (continued)

Scenic Resource	Town	County	Type	Topo Visibility	Forest Visibility	TJDA Field Visit	TJDA Computer Analysis	Project Visibility Determination (Jan 2019)	Project Visibility of REVISION 1 Determination (OCT 2020)	Visual Impact (Jan 2019)	Visual Impact of REVISION 1 (OCT 2020)
Mosquito Brook	Jay	Franklin	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Mosquito Stream	The Forks Plt.	Somerset	Streams	Y	Y	Y	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Mountain Brook	Johnson Mountain Twp.	Somerset	Streams	Y	Y	N	Y	Yes, but taller structures will preserve full height vegetation on both sides of the brook	Full canopy height vegetation to be preserved on both sides of the stream to enhance habitat and screen views of structures and corridor. Part of Wildlife Area 6.	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Moxie Stream	East Moxie Twp., Moxie Gore, The Forks Plt.	Somerset	Streams	Y	Y	Y	Y	Yes at Moxie Stream crossing and wetlands east of crossing. See Attachment E: Evaluation of River/Stream Visibility. The Project will not be visible from Moxie Falls. See Psim 12 in Appendix D of VIA	35-foot tall vegetation to be preserved on both sides of the stream to enhance habitat and screen views of structures and corridor. Part of Wildlife Area 10. Avian marker balls eliminated. See Psim 12.	Strong Impact, A buffer planting plan is proposed at Moxie Stream crossing to promote growth of native non capable species	Reduced from Strong to Moderate.
Muddy Brook	Industry	Franklin	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Muddy Brook	New Sharon	Franklin	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Nash Brook	Jay	Franklin	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Nequasset Brook	Dresden	Lincoln	Streams	N	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Nequasset Brook	Woolwich	Sagadahoc	Streams	N	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Nezinscot River	Turner	Androscoggin	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
No Name Brook	Greene, Lisbon	Androscoggin	Streams	Y	N	N	Y	Not likely due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
No Name Brook	Lewiston	Androscoggin	Streams	Y	Y	Y	Y	Yes, at the existing crossing	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Number One Brook	Beattie Twp.	Franklin	Streams	Y	Y	N	N	Yes	35-foot tall vegetation to be preserved on both sides of the brook to enhance habitat and screen views of structures and corridor. Part of Wildlife Area 1.	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact

Table 9. Rivers & Streams – Public Natural Resources of Public Lands Visited in Part or Enjoyment of Visual Qualities within 3 Miles of NECEC (continued)

Scenic Resource	Town	County	Type	Topo Visibility	Forest Visibility	TJDA Field Visit	TJDA Computer Analysis	Project Visibility Determination (Jan 2019)	Project Visibility of REVISION 1 Determination (OCT 2020)	Visual Impact (Jan 2019)	Visual Impact of REVISION 1 (OCT 2020)
Number One Brook	Merrill Strip Twp.	Franklin	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Number Six Brook	Appleton Twp.	Somerset	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Number Six Brook	Skinner Twp.	Franklin	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Parlin Stream	Parlin Pond Twp.	Somerset	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Pelton Brook	Anson	Somerset	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Pelton Brook	Starks	Somerset	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Piel Brook	Bradstreet Twp., Johnson Mountain Twp., Parlin Pond Twp.	Somerset	Streams	Y	Y	N	N	Yes	100-foot wide riparian filter area will be established.	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Pooler Brook	Madison	Somerset	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Red Brook	Turner	Androscoggin	Streams	N	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Redwater Brook	Livermore Falls	Androscoggin	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Rift Brook	Mayfield Twp.	Somerset	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Royal River	New Gloucester	Cumberland	Streams	N	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Runaround Brook	Durham	Androscoggin	Streams	Y	Y	Y	Y	Yes, at crossing within existing corridor, no additional clearing	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Runaround Brook	New Gloucester, Pownal	Cumberland	Streams	Y	Y	Y	Y	Yes, at crossing within existing corridor, no additional clearing	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Sabattus River	Lisbon	Androscoggin	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Sabattus River	Sabattus	Androscoggin	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic RSS	Minimal Impact

Table 9. Rivers & Streams – Public Natural Resources of Public Lands Visited in Part or Enjoyment of Visual Qualities within 3 Miles of NECEC (continued)

Scenic Resource	Town	County	Type	Topo Visibility	Forest Visibility	TJDA Field Visit	TJDA Computer Analysis	Project Visibility Determination (Jan 2019)	Project Visibility of REVISION 1 Determination (OCT 2020)	Visual Impact (Jan 2019)	Visual Impact of REVISION 1 (OCT 2020)
Sabattus River	Wales	Androscoggin	Streams	N	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Salmon Brook	Lewiston	Androscoggin	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Salmon Brook	Lisbon	Androscoggin	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Salmon Stream	Lower Enchanted Twp., West Forks Plt.	Somerset	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Sandy River	Chesterville	Franklin	Streams	Y	N	N	Y	Not likely due to intervening vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Sandy River	Farmington	Franklin	Streams	Y	Y	Y	Y	Yes, adjacent to existing transmission line crossing, See Psim 34	Yes, adjacent to existing transmission line crossing, See Psim 35	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Sandy River	Norridgewock, Starks	Somerset	Streams	Y	Y	N	Y	Not likely due to intervening vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Scott Brook	Fayette	Kennebec	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Scott Brook	Livermore Falls	Androscoggin	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Smart Brook	Lowelltown Twp.	Franklin	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Smart Brook	Skinner Twp.	Franklin	Streams	Y	Y	N	N	Yes	100-foot wide riparian filter area will be established.	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Soper Mill Brook	Auburn, Lewiston	Androscoggin	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
South Branch Austin Stream	Mayfield Twp.	Somerset	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
South Branch Moose River	Lowelltown Twp., Skinner Twp.	Franklin	Streams	Y	Y	Y	Y	Yes at Crossing, adjacent to haul roads	35-foot tall vegetation to be preserved on both sides of the river to enhance habitat and screen views of structures and corridor. Part of Wildlife Area 2.	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Spaulding Brook	T5 R6 BKP WKR	Somerset	Streams	N	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact

Table 9. Rivers & Streams – Public Natural Resources of Public Lands Visited in Part or Enjoyment of Visual Qualities within 3 Miles of NECEC (continued)

Scenic Resource	Town	County	Type	Topo Visibility	Forest Visibility	TJDA Field Visit	TJDA Computer Analysis	Project Visibility Determination (Jan 2019)	Project Visibility of REVISION 1 Determination (OCT 2020)	Visual Impact (Jan 2019)	Visual Impact of REVISION 1 (OCT 2020)
Spencer Stream	Skinner Twp., T5 R6 BKP WKR	Franklin	Streams	N	N	N	Y	No	No Change from Jan 2019 Determination	No Impact	No Impact
Stetson Brook	Greene, Lewiston	Androscoggin	Streams	Y	Y	N	Y	Yes, at crossing within existing corridor, no additional clearing	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Sugar Brook	Chesterville	Franklin	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Sugar Brook	Jay	Franklin	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Temple Stream	Farmington	Franklin	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Thoits Branch	Pownal	Cumberland	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Thompson Brook	Bradstreet Twp.	Somerset	Streams	N	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Tomhegan Stream	Chase Str. Twp., Johnson Mt Twp	Somerset	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
Tomhegan Stream	West Forks Plt.	Somerset	Streams	Y	Y	N	N	Yes	35-foot tall vegetation to be preserved on both sides of the stream to enhance habitat and screen views of structures and corridor. Part of Wildlife Area 9.	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Twomile Brook	Johnson Mountain Twp.	Somerset	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
West Branch Mill Brook	Beattie Twp.	Franklin	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact
West Branch Moose River	Merrill Strip Twp, Skinner Twp.	Franklin	Streams	Y	N	N	Y	No	No Change from Jan 2019 Determination	No Impact	No Impact
West Branch Spencer Stream	Skinner Twp.	Franklin	Streams	N	N	N	Y	No	No Change from Jan 2019 Determination	No Impact	No Impact
West Branch Sheepscot River	Windsor		Streams	Y	Y	Y	Y	Yes, see Psim 35, adjacent to several existing transmission lines	Yes. Wood H-frame structures replaced with self-weathering steel structures. Riparian plantings added to riparian zone. Psim 36-37	Minimal incremental/new impact	Moderate Impact
Whipple Brook	Hobbstown Twp, T5 R7, Hobbstown Twp	Somerset	Streams	Y	Y	Y	Y	Yes	35-foot tall vegetation to be preserved on both sides of the brook to enhance habitat and screen views of structures and corridor. Part of Wildlife Area 5	Minimal	Minimal

Table 9. Rivers & Streams – Public Natural Resources of Public Lands Visited in Part or Enjoyment of Visual Qualities within 3 Miles of NECEC (continued)

Scenic Resource	Town	County	Type	Topo Visibility	Forest Visibility	TJDA Field Visit	TJDA Computer Analysis	Project Visibility Determination (Jan 2019)	Project Visibility of REVISION 1 Determination (OCT 2020)	Visual Impact (Jan 2019)	Visual Impact of REVISION 1 (OCT 2020)
Wild Brook	Bald Mountain Twp. T2 R3	Somerset	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Wilson Stream	Chesterville, Farmington	Franklin	Streams	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, See Section 4. Scenic Resources, Rivers and Streams	Minimal Impact
Wilson Stream	Wilton	Franklin	Streams	Y	N	N	N	No	No Change from Jan 2019 Determination	No Impact	No Impact

Table 10. Publicly Accessible Conservation Areas Within 3 Miles of NECEC Excluding State and Federal Lands											
Scenic Resource	**Town**	**County**	**Type**	**Topo Visibility**	**Forest Visibility**	**TJDA Field Visit**	**TJDA Computer Analysis**	**Project Visibility Determination (Jan 2019)**	**Project Visibility of REVISION 1 Determination (OCT 2020)**	**Visual Impact (Jan 2019)**	**Visual Impact of REVISION 1 (OCT 2020)**
Upper Enchanted Twp.	Johnson Mountain Twp., Upper Enchanted Twp.	Somerset	Public Reserved Land	Y	N	Y	Y	Yes, visibility from Coburn Mountain. See Psim 8 and 44 (snow cover)	No Change from Jan 2019 Determination. Corridor shifted slightly to north. Tapered vegetation results in less obvious transmission line. See Psims 8 and 44.	Moderate in leaf-on and in snow cover conditions. Mitigation includes tapered vegetation management	Moderate Impact.
Androscoggin River Preserve	Lewiston	Androscoggin	Private Conservation	Y	Y	Y	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Brackett-Longley Rare Plant Pres.	Leeds	Androscoggin	Private Conservation	Y	N	N	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Bradbury-Pineland	Pownal	Cumberland	Public Conservation	N	N	N	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Bradbury-Pineland	Pownal	Cumberland	Public Conservation	Y	N	N	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Bradbury-Pineland Corridor	Pownal	Cumberland	Public Conservation	Y	N	N	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Breton Preserve	Lisbon	Androscoggin	Private Conservation	Y	Y	Y	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Captain Harris	Greene	Androscoggin	Private Conservation	Y	N	N	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Chadsey Road Fields Easement	Pownal	Cumberland	Private Conservation	Y	N	N	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Clifford Woods	Farmington	Franklin	Private Conservation	Y	Y	Y	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Crain-Lawrence Easement	Pownal	Cumberland	Private Conservation	N	N	Y	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Dead River Trail and Conservation Corridor	West Forks Plt.	Somerset	Private Conservation	N	N	N	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Deerfield Pines Easement	Pownal	Cumberland	Private Conservation	Y	N	N	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Draper	Moxie Gore	Somerset	Private Conservation	Y	Y	Y	N	Yes, abuts corridor east of Kennebec River	No Change from Jan 2019 Determination	Minimal/Moderate Impact	Minimal/Moderate Impact
Durham Riverpark	Durham	Androscoggin	Private Conservation	Y	Y	Y	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Expanding Andro-scoggin Greenway	Jay	Franklin	Private Conservation	Y	N	Y	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Garcelon Bog	Lewiston	Androscoggin	Public Conservation	Y	Y	Y	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Grace Pond Upper Enchanted	Upper Enchanted Twp.	Somerset	Public Conservation	Y	Y	Y	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact

Table 10. Publicly Accessible Conservation Areas Within 3 Miles of NECEC Excluding State and Federal Lands (continued)

Scenic Resource	Town	County	Type	Topo Visibility	Forest Visibility	TJDA Field Visit	TJDA Computer Analysis	Project Visibility Determination (Jan 2019)	Project Visibility of REVISION 1 Determination (OCT 2020)	Visual Impact (Jan 2019)	Visual Impact of REVISION 1 (OCT 2020)
Graham	New Gloucester	Cumberland	Private Conservation	Y	N	N	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Gruevermen-Wendt Trail	Pownal	Cumberland	Private Conservation	N	N	N	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Gruevermen-Wendt Trail	Pownal	Cumberland	Private Conservation	Y	N	N	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Hooper Pond	Greene	Androscoggin	Private Conservation	Y	N	Y	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Indian and Fowl Meadow Islands	Solon	Somerset	Private Conservation	N	N	N	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Indian and Fowl Meadow Islands	Solon	Somerset	Private Conservation	Y	N	N	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Knight Farm Easement	Pownal	Cumberland	Private Conservation	N	N	N	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Lisbon Island	Lisbon	Androscoggin	Private Conservation	Y	N	N	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Meadowbrook Farm Conservation Area	Fayette	Kennebec	Private Conservation	Y	Y	Y	Y	Not likely due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Moncrieff Easement	Pownal	Cumberland	Private Conservation	Y	N	N	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Montsweag Brook pond buffer	Wiscasset, Woolwich	Lincoln	Private Conservation	N	N	Y	Y	Yes, at intersection with existing corridor	No Change from Jan 2019 Determination	Minimal additional impact, Not a Scenic Resource	Minimal additional impact, Not a Scenic Resource
Moose River-Number 5 Bog	T5 R7 BKP WKR, Bradstreet Twp., Appleton Twp.	Somerset	Public Conservation	Y	N	Y	Y	Viewshed map indicates potential but fieldwork confirmed intervening vegetation will screen within 3 miles of the Project	No Change from Jan 2019 Determination	No Impact	No Impact
Moose River-Number 5 Bog	Bradstreet Twp., T5 R7 BKP WKR	Somerset	Public Conservation	Y	Y	Y	Y	Viewshed map indicates potential but fieldwork confirmed intervening vegetation will screen within 3 miles of the Project	No Change from Jan 2019 Determination	No Impact	No Impact
Moosehead Region Conservation Easement	Johnson Mount-ain Twp., Moxie Gore, Square-town Twp., West Forks Plt.	Somerset	Private Conservation	Y	N	N	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Moosehead Region Conservation Easement	Chase Stream Twp.	Somerset	Private Conservation	Y	Y	Y	N	Vegetation will most likely buffer all views from this easement	No Change from Jan 2019 Determination	No Impact	No Impact
Muddy Pond Lot	Wayne	Kennebec	Public Conservation	N	N	N	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Pisgah Hill Project	New Gloucester	Cumberland	Private Conservation	Y	N	Y	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact

Table 10. Publicly Accessible Conservation Areas Within 3 Miles of NECEC Excluding State and Federal Lands (continued)

Scenic Resource	Town	County	Type	Topo Visibility	Forest Visibility	TJDA Field Visit	TJDA Computer Analysis	Project Visibility Determination (Jan 2019)	Project Visibility of REVISION 1 Determination (OCT 2020)	Visual Impact (Jan 2019)	Visual Impact of REVISION 1 (OCT 2020)
Pollution Control Facility	Farmington	Franklin	Public Conservation	Y	Y	N	N	Yes	No Change from Jan 2019 Determination	Minimal Impact, Not a Scenic Resource	Minimal Impact, Not a Scenic Resource
Rand Trail	Pownal	Cumberland	Private Conservation	Y	N	N	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
River Rise Farm	Turner	Androscoggin	Private Conservation	Y	Y	N	N	Not likely due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Snowfields Easement	Pownal	Cumberland	Private Conservation	Y	Y	N	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Spruce Mountain	Jay	Franklin	Private Conservation	Y	Y	Y	N	Chance of heavily filtered views of the project	No Change from Jan 2019 Determination	No Impact	No Impact
Sturtevant Farm Conservation Area	Fayette	Kennebec	Private Conservation	N	N	Y	Y	Chance of heavily filtered views of the project	No Change from Jan 2019 Determination	No Impact	No Impact
Thompson/Dinsmore Islands	Madison	Somerset	Private Conservation	Y	Y	Y	N	Not likely due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Thorncrag Bird Sanctuary	Lewiston	Androscoggin	Private Conservation	Y	Y	Y	Y	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Verrill Preserve	Pownal	Cumberland	Private Conservation	N	N	N	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact
Whitney Easement	Pownal	Cumberland	Private Conservation	Y	N	N	N	No visibility due to intervening terrain/vegetation	No Change from Jan 2019 Determination	No Impact	No Impact

Table 11. Roads Determined to Have Scenic Qualities/Cultural Character. (See Road Buffer Evaluation Summary for a List of Every Road Crossing Evaluated.)

Scenic Resource	Town	County	Type	Topo Visibility	Forest Visibility	TJDA Field Visit	TJDA Computer Analysis	Project Visibility Determination (Jan 2019)	Project Visibility of REVISION 1 Determination (OCT 2020)	Visual Impact (Jan 2019)	Visual Impact of REVISION 1 (OCT 2020)
Route 201	Jackman, Parlin Pond Twp, Johnson Mountain, West Forks Plt, The Forks Plt, Caratunk, Moscow, Bingham, Solon, Madison	Somerset	National Scenic Byway/State Route	Y	Y	Y	Y	The Project will be visible from Parlin Pond Twp and at the crossings in Johnson Mountain Twp and Moscow. See Psims 9, 19, 42, and 53	No Change from Jan 2019 Determination. Tapered vegetation management in Segment 1 softens the edges of the corridor. See Psims 6, 9, 19, 43, and 53.	Moderate impact at crossings. Buffer planting plans proposed at Project crossings of Route 201 in Johnson Mountain Twp and Moscow	Moderate impact at crossings. Negligible Impact at Attean Overlook
Route 43/ Starks Road	Madison, Starks	Somerset	Regional Public Road	Y	Y	Y	Y	The Project will be visible approaching and at the crossing. See Section 4. Scenic Resources, p9	No Change from Jan 2019 Determination	Minimal additional impact	Minimal additional impact
Route 2 / Farmington Falls Road	Farmington	Franklin	Regional Public Road	Y	Y	Y	Y	The Project will be visible approaching and at the crossing. See Section 4. Scenic Resources, p9	No Change from Jan 2019 Determination	Minimal additional impact	Minimal additional impact
Riverside Drive	Auburn	Androscoggin	Regional Public Road	Y	Y	Y	Y	The Project will be visible approaching and at the crossing. See Section 4. Scenic Resources, p10	No Change from Jan 2019 Determination	Minimal additional impact	Minimal additional impact
Madison Street	Anson	Somerset	Local Public Road	Y	Y	Y	Y	The Project will be visible approaching and at the crossing. See Section 4. Scenic Resources, p10	No Change from Jan 2019 Determination	Minimal additional impact	Minimal additional impact
Perham Hill Road	Farmington	Franklin	Local Public Road	Y	Y	Y	Y	The Project will be visible approaching and at the crossing. See Section 4. Scenic Resources, p10	No Change from Jan 2019 Determination	Minimal additional impact	Minimal additional impact
Osborne Road	Farmington	Franklin	Local Public Road	Y	Y	Y	Y	The Project will be visible approaching and at the crossing. See Section 4. Scenic Resources, p11	No Change from Jan 2019 Determination	Minimal additional impact	Minimal additional impact
Knowlton Corner Road	Farmington	Franklin	Local Public Road	Y	Y	Y	Y	The Project will be visible approaching and at the crossing. See Section 4. Scenic Resources, p11	No Change from Jan 2019 Determination	Minimal additional impact	Minimal additional impact
McCrillis Corner Road	Wilton	Franklin	Local Public Road	Y	Y	Y	Y	The Project will be visible approaching and at the crossing. See Section 4. Scenic Resources, p11	No Change from Jan 2019 Determination	Minimal additional impact	Minimal additional impact
Soules Hill Road	Jay	Franklin	Local Public Road	Y	Y	Y	Y	The Project will be visible approaching and at the crossing. See Section 4. Scenic Resources, p11	No Change from Jan 2019 Determination	Minimal additional impact	Minimal additional impact
Church Hill Road	Leeds	Androscoggin	Local Public Road	Y	Y	Y	Y	The Project will be visible approaching and at the crossing. See Section 4. Scenic Resources, p12	No Change from Jan 2019 Determination	Minimal additional impact	Minimal additional impact

Exhibit 7-2: DWAs Intersected by the NECEC Project Corridor (Revised)

Exhibit 7-2: DWA's Intersected by the NECEC Project Area

Segments	CMP Line Section	Town	MDIFW ID	Value/Status	Total DWA Acreage	Acreage in the NECEC Corridor	Acreage of Habitat Conversion in DWA	Associated Wetland(s)	Map ID
1	3006	Moxie Gore/ West Forks Plt	060065	Indeterminate	13,802.7	93.9	11.34	WET-47-02, WET-47-03, WET-48-01, WET-48-02, WET-48-03, WET-49-01, WET-49-02, WET-49-03, WET-49-04, WET-49-05, WET-50-01, WET-50-02, WET-50-03, WET-50-04, WET-50-05, WET-50-06, WET-50-08, WET-WJB10, WET-WJB11, WET-WJB3, WET-WJB4, WET-WJB8, WET-WJB9, WET-WKT-1, WET-WKT-102, WET-WKT-103, WET-WKT-109, WET-WKT-111, WET-WKT-112, WET-WKT-113, WET-WKT-115, WET-WKT-117, WET-WKT-118, WET-WKT-120, WET-WKT-121, WET-WKT-2, WET-WKT-3, WET-WKT-4, WET-WKT-5, WET-WKT-6	106, 108, 109, 110, 111, 112, 113
2	3006	Moscow	060134	Indeterminate	147.5	12.6	3.04	WET-74-102, WET-74-103	164
3	3006	Concord Twp	060143	Indeterminate	0.0	0.0	0.00		180
3	3006	Leeds	020002	Indeterminate	325.4	8.6	2.92	WET-133-02, WET-133-03, WET-133-04, WET-133-05	294, 295
3	3006	Livermore Falls	020521	Indeterminate	325.3	0.1	0.00		282, 283
3	3006	Leeds	020983	Indeterminate	657.2	41.3	7.26	WET-136-07, WET-1 36-08, WET-136-09, WET-136-10, WET-136-11, WET-137-01, WET-137-02, WET-137-03 ,WET-137-04, WET-137-05, WET-137-06, WET-137-07, WET-137-10	302, 303, 304
3	3006	Leeds	020984	Indeterminate	322.7	30.1	5.60	WET-135-05, WET-135-06, WET-135-07, WET-135-08, WET-135-09, WET-136-01	299, 300, 301
3	3006	Industry	060058	Indeterminate	480.0	25.9	4.31	WET-103-11, WET-104-01, WET-104-02, WET-104-03, WET-104-05	229, 230, 231
3	3006	Starks	060068	Indeterminate	1,770.7	47.8	9.28	WET-100-01, WET-96-05, WET-96-07, WET-96-09, WET-96-10, WET-97-01, WET-97-02, WET-97-03, WET-99-01, WET-99-02, WET-99-04, WET-99-05	213, 214, 215, 219, 220, 221
3	3006	Embden	060143	Indeterminate	275.8	55.2	7.49	WET-82-01, WET-82-02, WET-82-03, WET-82-04, WET-82-05, WET-82-06, WET-82-07, WET-82-08, WET-82-09, WET-82-10, WET-83-21, WET-83-22	180, 181, 182, 183
4	62/64	Durham	000094	Indeterminate	196.7	1.2	0.00	WET-158-03	354
4	62/64	Durham	000101	Indeterminate	50.4	4.8	0.00	WET-156-07, WET-156-08, WET-156-09	349, 350
4	62/64	Pownal	000187	Indeterminate	72.5	2.6	0.00		361
4	62/64	Lewiston	000247	Indeterminate	66.9	4.0	0.00	WET-151-09, WET-152-01	339
4	62/64	Lewiston	000255	Indeterminate	11.7	5.1	0.00	WET-150-11	336, 337
5	3027	Alna	020050	Indeterminate	1,395.3	103.4	0.00	WET-180-03, WET-178-06, WET-180-02, WET-180-04, WET-179-03, WET-178-06, WET-179-02, WET-180-01, WET-179-03, WET-179-01, WET-181-03, WET-181-02, WET-181-01	378, 379, 380, 381, 382, 383, 384
5	3027	Wiscasset	020050	Indeterminate	523.3	11.2	0.00	WET-181-01, WET-181-02, WET-181-03	378
5	3027	Whitefield	020080	Indeterminate	345.1	31.2	0.00	WET-168-05, WET-169-01, WET-169-02	404, 405, 406
5	3027	Wiscasset	020176	Indeterminate	235.2	27.3	0.00	WET-183-03, WET-183-04, WET-183-05, WET-183-06	374, 375
5	3027	Wiscasset	020583	Indeterminate	163.8	23.8	0.00	WET-187-01, WET-187-02, WET-187-04, WET-187-09	365, 366
5	3027	Wiscasset	020626	Indeterminate	55.0	2.5	1.82	WET-184-07	370, 371
5	3027	Woolwich	020626	Indeterminate	37.4	2.5	1.68	WET-184-07	370, 371
5	3027	Whitefield	020865	Indeterminate	212.3	16.8	0.00	WET-165-01, WET-165-02, WET-165-03	412, 413 414
				Total (acres)	**21,473.0**	**552.0**	**54.75**		

Exhibit 7-3: IWWHs Intersected by the NECEC Project Corridor (Revised)

Exhibit 7-3: IWWH's Intersected by the NECEC Project Area

Segment	CMP Line Section	Town	MDIFW ID	Value/ Status	Total IWWH Acreage	Acreage in the NECEC Corridor	Acreage of Habitat Conversion in IWWH	Associated Wetland(s)	Map ID
1	3006	Hobbstown Twp, T5 R7 BKP WKR	UMO-6578	Moderate	63.4	0.3	0.0	WET-20-05, WET-20-5-RR2, WET-20-05	46
1	3006	Hobbstown Twp, T5 R7 BKP WKR	UMO-6585	Moderate	25.9	2.4	0.0	WET-21-09, WET-21-11, WET-21-12	47, 48
1	3006	Bradsteet Twp, T5 R7 BKP WKR, Attean Twp	UMO-7060	Moderate	3023.2	7.0	0.2	WET-24-10	54, 55, 56
1	3006	Bradstreet Twp	UMO-7358	Moderate	49.5	1.3	0.0	n/a	68, 69
1	3006	Bradstreet Twp	UMO-7541	Moderate	111.9	6.7	1.1	WET-26-01, WET-26-02, WET-26-08	58, 59
1	3006	Bradstreet Twp, Upper Enchanted Twp	UMO-7591	Moderate	55.0	5.9	1.2	WET-25-02, WET-25-03	58
2	3006	Bald Mountain Twp T2 R3	UMO-9415	Moderate	143.4	10.1	1.1	WET-63-07, WET-64-03, WET-64-04, WET-64-05	141, 142, 143
3	3006	Industry	Iwwh070294	Moderate	107.8	12.8	1.4	WET-101-04, WET-102-03	224, 225, 226
3	3006	Starks	Iwwh070536	Moderate	62.3	0.3	0.0	WET-100-04, WET-100-05	220, 221, 222
3	3006	Starks	Iwwh070546	Moderate	72.4	1.6	0.5	WET-97-07	216
3	3006	Jay	Iwwh070612	High	65.3	6.2	1.7	WET-118-03	261, 262
3	3006	Embden	Iwwh070754	Moderate	66.8	9.9	1.3	WET-85-01, WET-85-03	187, 188
3	3006	Starks	Iwwh201128	Moderate	83.1	6.8	0.6	WET-97-01, WET-97-02	214, 215
3	3007	Lewiston	Iwwh202389	Moderate	22.6	11.8	0.4	WET-145-05, WET-145-06	321, 322
3	3006	Greene	Iwwh202778	Moderate	30.5	6.2	0.0	WET-140-06	310
3	3006	Concord Twp	UMO-11612	High	121.6	2.0	0.0	WET-79-03	176, 177
5	3027	Whitefield	Iwwh204792	Moderate	34.0	12.0	0.0	WET-167-01	409, 410
5	3027	Wiscasset	TWWH ID 0	Not reported	302	0.2	0	WET-188-17, WET-188-17	359
				Total (acres)	**4440.6**	**103.58**	**9.46**		

Exhibit 7-5: Significant Vernal Pools and Potentially Significant Vernal Pools Table (Revised)

Exhibit 7-5 NECEC Significant Vernal Pool Habitat Impact Summary

Transmission Line Impacts

Pool Determination Status[1]	Pool ID	Segment #	NR Map #	Pool Size (sq ft)	Buffer Size Within CMP-Controlled Property (sq ft)	Existing Impacts within 250 ft Buffer (sq ft)	Impacts to Pool		Impacts to Upland Areas within 250 ft			Impacts to Wetlands within 250' Buffer			Permanent SVPH Impacts[2]		
							Pool Direct Impacts (sq ft)	Pool Clearing Impacts (sq ft)	Direct Impacts (sq ft)	Temp Impacts (sq ft)	Clearing Impacts (sq ft)	Direct Impacts (sq ft)	Temporary Impacts (sq ft)	Clearing Impacts (sq ft)	% Existing Impacts to SVPH	% Additional Impacts to SVPH	% Total Impacts to SVPH
SVP (IFW)	11-1	1	27	24	0	0	0	0	0	0	0	0	0	0	0%	0%	0%
SVP (IFW)	101-02	3	225	309	103,748	11,948	0	0	0	0	23,883	0	0	9,072	0%	0%	0%
SVP (IFW)	101-03	3	225	22,982	222,525	69,252	0	6,623	20	15,353	36,535	0	990	9,072	31%	23%	55%
SVP (IFW)	102-02	3	226	649	177,355	78,661	0	0	20	10,619	21,068	0	3,070	13,603	44%	20%	64%
SVP (IFW)	102-03	3	226	4,370	179,773	82,791	0	0	0	6,683	17,422	0	3,425	13,441	46%	17%	63%
SVP (IFW)	104-02	3	230	4,173	167,407	57,786	0	0	20	14,372	38,280	0	12	1,238	35%	24%	58%
PSVP (IFW)	111-03	3	245, 246	2,381	195,904	55,102	0	0	20	7,449	37,724	0	0	0	28%	19%	47%
SVP (IFW)	111-04	3	246	3,388	186,898	60,665	0	0	20	12,287	35,621	0	0	0	32%	19%	52%
SVP (IFW)	116-04	3	257	15,369	268,959	96,609	0	11,220	0	7,575	41,590	0	6,958	0	36%	20%	56%
PSVP (IFW)	117-02	3	258	10,517	187,170	51,235	0	0	0	0	502	0	12,382	51,335	27%	28%	55%
SVP (IFW)	118-02	3	261	1,791	148,659	77,538	0	0	20	11,680	25,496	0	0	0	52%	17%	69%
SVP (IFW)	118-03	3	262	2,072	144,878	37,290	0	0	0	8,852	39,011	0	0	0	26%	27%	53%
PSVP (IFW)	119-02	3	264	1,459	141,996	68,861	0	0	0	5,162	11,159	0	0	0	48%	8%	56%
SVP (IFW)	119-03	3	264	1,803	168,465	52,243	0	1	0	10,517	37,752	0	705	0	31%	22%	53%
SVP (IFW)	125-01	3	276	2,038	192,160	120,644	0	0	0	11,399	37,191	0	0	0	63%	19%	82%
SVP (IFW)	130-08	3	288	18,626	266,965	129,634	0	12,455	1	2,280	30,367	0	271	0	49%	16%	65%
SVP (IFW)	135-03	3	298, 299	13,353	214,628	108,978	0	3,918	28	16,013	37,069	0	0	3,991	51%	21%	72%
SVP (IFW)	135-05	3	299	1,519	189,880	85,791	0	1,519	20	4,462	21,071	0	4,584	0	45%	12%	57%
SVP (IFW)	136-01	3	301	35,243	278,173	108,501	0	7,215	20	19,498	41,150	0	179	23,081	39%	26%	65%
SVP (IFW)	136-02	3	301, 302	3,957	218,605	115,952	0	0	0	11,775	39,886	0	45	835	53%	19%	72%
SVP (IFW)	136-04	3	302	4,345	154,435	123,222	0	0	0	10,817	19,909	0	1,823	0	80%	13%	93%
SVP (IFW)	137-06	3	304	1,554	142,032	44,822	0	0	20	13,127	36,232	0	0	1,401	32%	27%	58%
PSVP (ID)	140-02	3	309, 310	1,026	185,086	83,807	0	0	34	18,241	0	0	2,567	0	45%	0%	45%
SVP (IFW)	140-04	3	311	16,947	236,367	110,380	0	0	34	20,176	0	0	2,906	0	47%	0%	47%
SVP (IFW)	143-03	3	317	1,657	181,037	76,494	0	824	0	10,059	30,850	0	898	0	42%	17%	60%
PSVP (ID)	144-02	3	320	28	170,297	100,785	0	0	20	13,978	33,057	0	0	3	59%	19%	79%
SVP (ID)	147-08	4	329	3,363	179,527	170,244	0	0	25	17,663	0	0	0	0	95%	0%	95%
SVP (ID)	148-06	4	331	7,831	193,559	155,458	0	0	25	20,324	0	0	0	0	80%	0%	80%
SVP (IFW)	15-1	1	35	676	90,563	0	0	0	20	13,328	13,328	0	0	0	0%	0%	0%
PSVP (ID)	158-01	4	352, 353	7,414	235,543	235,451	0	0	25	19,729	0	0	6,222	0	100%	0%	100%
SVP (IFW)	161-11	4	359	403	162,874	162,874	0	0	25	17,741	0	0	0	0	100%	0%	100%
SVP (ID)	161-12	4	359, 360	28	134,134	134,134	0	0	0	5,613	0	0	0	0	100%	0%	100%
SVP (IFW)	162-01	5	-	6,050	298,482	199,162	0	0	0	0	0	0	0	0	67%	0%	67%
SVP (IFW)	169-01	5	404	1,560	161,016	143,254	0	0	26	13,056	0	0	175	0	89%	0%	89%
PSVP (IFW)	174-06	5	393	6,302	166,837	166,565	0	0	26	11,803	0	0	814	0	100%	0%	100%
SVP (IFW)	188-03	5	362, 363	5,730	134,680	133,623	0	0	0	10,503	0	0	1,073	0	99%	0%	99%
SVP (IFW)	20-3	1	46, 47	18,363	0	0	0	0	0	0	0	0	0	0	0%	0%	0%
PSVP (IFW)	40-5	1	91	5,552	177,277	29,780	0	0	20	4,587	3,418	0	2,866	2,866	17%	4%	20%
PSVP (IFW)	40-6	1	91	4,137	150,916	24,201	0	0	20	4,587	3,418	0	2,866	2,866	16%	4%	20%
SVP (IFW)	41-2	1	92	2,587	22,713	0	0	0	0	0	5,909	0	0	0	0%	26%	26%
SVP (IFW)	43-2	1	98	1,956	85,543	0	0	0	0	0	1,342	0	0	0	0%	2%	2%
SVP (IFW)	46-2	1	101	13,880	23,014	0	0	0	0	0	0	0	0	0	0%	0%	0%
SVP (IFW)	48-4	1	105	454	77,971	14,634	0	0	0	0	20,017	0	0	0	0%	26%	26%
SVP (IFW)	49-10	1	107	798	90,789	59,566	0	0	0	11,932	11,356	0	0	1,781	0%	14%	14%
PSVP (IFW)	49-12	1	107	5,162	100,399	60,180	0	0	0	0	903	0	0	0	0%	1%	1%
SVP (IFW)	72-102	2	159	141	144,760	58,676	0	0	20	15,625	35,108	0	0	0	41%	24%	65%

Exhibit 7-5 NECEC Significant Vernal Pool Habitat Impact Summary

Transmission Line Impacts

Pool Determination Status[1]	Pool ID	Segment #	NR Map #	Pool Size (sq ft)	Buffer Size Within CMP-Controlled Property (sq ft)	Existing Impacts within 250 ft Buffer (sq ft)	Impacts to Pool		Impacts to Upland Areas within 250 ft			Impacts to Wetlands within 250' Buffer			Permanent SVPH Impacts[2]		
							Pool Direct Impacts (sq ft)	Pool Clearing Impacts (sq ft)	Direct Impacts (sq ft)	Temp Impacts (sq ft)	Clearing Impacts (sq ft)	Direct Impacts (sq ft)	Temporary Impacts (sq ft)	Clearing Impacts (sq ft)	% Existing Impacts to SVPH	% Additional Impacts to SVPH	% Total Impacts to SVPH
SVP (IFW)	75-101	3	167	188	198,941	55,517	0	6	28	7,036	22,404	0	0	16,532	28%	20%	47%
SVP (IFW)	75-102	3	167	448	191,377	45,755	0	0	28	7,181	24,899	0	0	12,948	24%	20%	44%
SVP (IFW)	80-01	3	178	1,810	88,032	0	0	0	0	0	3,772	0	0	0	0%	4%	4%
SVP (IFW)	80-03	3	177	4,547	253,788	91,657	0	3,628	20	15,776	30,771	0	1,894	13,023	36%	19%	55%
PSVP (IFW)	81-05	3	180	1,079	125,398	72,816	0	0	0	8,316	16,053	0	0	0	58%	13%	71%
SVP (IFW)	83-02	3	183	14,556	221,351	56,666	0	0	0	8,399	26,848	0	3,258	0	26%	12%	38%
SVP (IFW)	83-03	3	183	561	184,671	45,704	0	0	0	4,171	16,867	0	5,144	0	25%	9%	34%
SVP (IFW)	83-04	3	183	6,104	187,450	130,641	0	0	0	7,936	23,374	0	628	2,106	70%	14%	83%
SVP (IFW)	85-01	3	189	2,989	167,867	12,473	0	0	20	4,931	33,344	0	0	74	7%	20%	27%
SVP (IFW)	86-04	3	191	16,971	337,650	105,966	0	10,314	3	7,842	24,348	0	8,913	0	31%	10%	42%
SVP (IFW)	86-05	3	191	7,062	184,748	42,393	0	0	0	6,459	18,739	0	3,276	0	23%	10%	33%
SVP (IFW)	86-09	3	190	6,618	174,972	19,823	0	0	20	12,706	35,209	0	0	0	11%	20%	31%
SVP (IFW)	92-01	3	203	2,341	245,046	82,189	0	1,576	0	11,372	39,272	0	0	0	34%	17%	50%
PSVP (IFW)	LT-3	1	11, 12	2,925	0	0	0	0	0	0	0	0	0	0	0%	0%	0%

Substation Impacts

Pool Determination Status[1]	Pool ID	Segment #	NR Map #	Pool Size (sq ft)	Buffer Size Within CMP-Controlled Property (sq ft)	Existing Impacts within 250 ft Buffer (sq ft)	Impacts to Pool		Impacts to Upland Areas within 250 ft			Impacts to Wetlands within 250' Buffer			Permanent SVPH Impacts[2]		
							Pool Direct Impacts (sq ft)	Pool Clearing Impacts (sq ft)	Direct Impacts (sq ft)	Temp Impacts (sq ft)	Clearing Impacts (sq ft)	Direct Impacts (sq ft)	Temporary Impacts (sq ft)	Clearing Impacts (sq ft)	% Existing Impacts to SVPH	% Additional Impacts to SVPH	% Total Impacts to SVPH
SVP (IFW)	PERRON-2	3	320	9,460	158,731	0	0	0	12,223	0	12,223	672	0	672	0%	16%	16%

	Cumulative Impacts (Sq.Ft.)[4]							
	Impacts to Pool		Impacts to Upland Areas within 250'			Impacts to Wetlands within 250' Buffers		
	Pool Direct Impacts	Pool Clearing Impacts	Upland Direct Impacts	Upland Temp Impacts	Upland Clearing Impacts	Wetland Direct Impacts	Wetland Temporary Impacts	Wetland Clearing Impacts
Sq. Ft.	0	61,413	12,801	530,988	1,007,841	672	77,944	141,736
Acres	0.000	1.410	0.294	12.190	23.137	0.015	1.789	3.254

[1] (IFW) = Status was determined by MDIFW, provided in correspondence on 12/20/17. (ID) = Status was determined previously by MDIFW under the MPRP Project

[2] Percent Total Impact reflects the area impacted (i.e., permanent fill, temporary fill, and forest conversion) within the 250 foot Significant Vernal Pool Habitat, excluding overlapping impact types.

[3] Pool depression is located outside of CMP-controlled land, however, the buffer extends onto CMP-controlled land.

[4] Culmulative impacts are calculated by dissolving overlapping polygon areas.

Exhibit 7-6: USACE Jurisdictional Vernal Pool Table (Revised)

Exhibit 7-6 USACE Vernal Pool Table

Vernal Pool ID	Segment #	NRM #	COUNTY	Pool Values[1]	Existing Condition in Vernal Pool Habitat (750')				Proposed Activity in Vernal Pool Habitat (750')					Proposed Post Construction Condition in Vernal Pool Habitat (750')			Existing Conditions in Vernal Pool Depression and 100' Envelope					Proposed Activity in Vernal Pool Depression and 100' Envelope						Proposed Post-Construction Condition in Vernal Pool Depression and 100' Envelope		
				Value (High, Medium, Low, No Compensation)	Total VP Habitat Area (sq ft)	Existing Non-Forested (sq ft)	Existing Forested (sq ft)	Existing Percent Forested	Proposed Wetland Clearing (sq ft)	Proposed Upland Clearing (sq ft)	Total Proposed Forest Clearing (sq ft)	Proposed Percent Additional Clearing	Direct Impact to VP Habitat (sq ft)	Proposed Forested (sq ft)	Proposed Non-Forested (sq ft)	Proposed Percent Forested	Pool Size (sq ft)	Total Habitat Area (sq ft)	Existing Non-Forested (sq ft)	Existing Forested (sq ft)	Existing Percent Forested	Proposed Wetland Clearing (sq ft)	Proposed Upland Clearing (sq ft)	Total Proposed Forest Clearing (sq ft)	Percent Forested	Pool Depression Direct Impact (sq ft)	Proposed Fill Envelope (sq ft)	Proposed Forested Conditions (sq ft)	Proposed Non-Forested Conditions (sq ft)	Proposed Percent Forested Condition
1-1	1	3	Franklin	NC	1,773,827	26,772	1,747,055	98.5%	10,684	57,776	78,490	4.4%	20	1,668,565	105,262	94.1%	8	32,435	0	32,435	100.0%	0	0	0	0.0%	0	0	32,435	0	100.0%
5-1	1	13, 14	Franklin	NC	1,802,075	224,774	1,577,301	87.5%	0	65,097	65,656	3.6%	20	1,511,645	290,430	83.9%	137	36,333	0	36,333	100.0%	0	804	804	2.2%	0	0	35,530	804	97.8%
5-2	1	13	Franklin	NC	1,773,827	239,963	1,533,864	86.5%	3,592	45,971	49,564	2.8%	20	1,484,300	289,526	83.7%	8	32,435	22,051	10,384	32.0%	0	0	0	0.0%	0	0	10,384	22,051	32.0%
7-1	1	18	Franklin	NC	1,817,227	295,834	1,521,393	83.7%	5,834	50,394	56,228	3.1%	20	1,465,166	352,062	80.6%	198	38,407	0	38,407	100.0%	0	0	0	0.0%	0	0	38,407	0	100.0%
9-1	1	21	Franklin	NC	1,858,201	100,466	1,757,736	94.6%	0	15,672	16,608	0.9%	20	1,741,127	117,074	93.7%	851	44,435	0	44,435	100.0%	0	0	0	0.0%	0	0	44,435	0	100.0%
10-1	1	25	Franklin	NC	1,799,851	140,995	1,658,856	92.2%	669	45,936	46,605	2.6%	28	1,612,251	187,600	89.6%	118	36,021	17,154	18,867	52.4%	148	1,359	1,507	4.2%	0	0	17,360	18,661	48.2%
10-2	1	25	Franklin	NC	1,820,890	149,120	1,671,771	91.8%	669	47,448	48,117	2.6%	20	1,623,654	197,236	89.2%	311	39,015	22,281	16,734	42.9%	0	549	549	1.4%	0	0	16,185	22,830	41.5%
10-3	1	25	Franklin	NC	1,808,431	149,118	1,659,313	91.8%	669	50,628	51,297	2.8%	20	1,608,016	200,415	88.9%	186	37,225	24,850	12,375	33.2%	0	0	0	0.0%	0	0	12,375	24,850	33.2%
10-4	1	24	Franklin	NC	1,774,676	251,302	1,523,374	85.8%	8,156	48,964	57,121	3.2%	20	1,466,253	308,423	82.6%	2	32,565	0	32,565	100.0%	80	33	114	0.3%	0	0	32,451	114	99.7%
10-5	1	23, 24	Franklin	NC	1,835,570	290,248	1,545,322	84.2%	8,156	42,522	50,679	2.8%	20	1,494,643	340,927	81.4%	479	41,097	21,011	20,086	48.9%	408	2,569	2,977	7.2%	0	0	17,109	23,988	41.6%
11-1	1	27	Somerset	NC	1,783,778	184,546	1,599,232	89.7%	0	5,628	5,628	0.3%	27	1,593,604	190,174	89.3%	24	33,800	0	33,800	100.0%	0	0	0	0.0%	0	0	33,800	0	100.0%
11-2	1	27	Somerset	NC	1,798,616	185,475	1,613,141	89.7%	0	5,893	5,893	0.3%	27	1,607,248	191,367	89.4%	89	35,832	0	35,832	100.0%	0	0	0	0.0%	0	0	35,832	0	100.0%
11-3	1	25, 26	Franklin	NC	1,826,605	61,731	1,764,874	96.6%	0	62,216	62,216	3.4%	20	1,702,658	123,948	93.2%	187	39,649	7,099	32,550	82.1%	0	7,486	7,486	18.9%	0	0	25,064	14,584	63.2%
12-1	1	30	Somerset	NC	1,841,158	257,050	1,584,108	86.0%	22,732	47,214	70,214	3.8%	20	1,513,894	327,264	82.2%	434	41,803	0	41,803	100.0%	744	7,136	7,880	18.9%	0	0	33,923	7,880	81.1%
12-2	1	29	Somerset	NC	1,826,989	89,041	1,737,948	95.1%	0	78,553	78,553	4.3%	20	1,659,395	167,594	90.8%	341	39,832	5,417	34,415	86.4%	0	2,944	2,944	7.4%	0	0	31,471	8,361	79.0%
12-3	1	30	Somerset	NC	1,773,827	284,376	1,489,451	84.0%	20,740	39,616	60,624	3.4%	20	1,428,827	345,000	80.6%	8	32,435	0	32,435	100.0%	0	0	0	0.0%	0	0	32,435	0	100.0%
12-4	1	29, 30	Somerset	NC	1,773,827	242,264	1,531,564	86.3%	0	49,681	51,513	2.9%	20	1,480,051	293,776	83.4%	8	32,435	27,403	5,032	15.5%	0	0	0	0.0%	0	0	5,032	27,403	15.5%
0-1	1	1	Franklin	NC	1,773,827	35,816	1,738,011	98.0%	0	83,260	83,260	4.7%	20	1,654,750	119,077	93.3%	8	32,435	0	32,435	100.0%	0	0	0	0.0%	0	0	32,435	0	100.0%
0-2	1	1	Franklin	NC	1,801,831	74,043	1,727,788	95.9%	0	81,202	81,202	4.5%	20	1,646,587	155,245	91.4%	136	36,301	6,034	30,267	83.4%	0	0	0	0.0%	0	0	30,267	6,034	83.4%
0-3	1	1	Franklin	NC	1,773,826	75,353	1,698,473	95.8%	0	78,870	78,870	4.4%	20	1,619,603	154,223	91.3%	8	32,435	6,848	25,587	78.9%	0	0	0	0.0%	0	0	25,587	6,848	78.9%
0-4	1	1	Franklin	NC	1,802,692	37,564	1,765,128	97.9%	1,398	83,791	85,189	4.7%	160	1,679,938	122,754	93.2%	126	36,408	0	36,408	100.0%	0	5,860	5,860	16.1%	0	0	30,548	5,860	83.9%
100-01	3	220	Somerset	NC	1,780,272	194,953	1,585,319	89.0%	0	98,271	102,261	5.7%	20	1,483,059	297,213	83.3%	28	33,308	18,395	14,913	44.8%	0	0	0	0.0%	0	0	14,913	18,395	44.8%
100-02	3	220	Somerset	NC	1,780,275	195,275	1,585,000	89.0%	0	98,560	102,549	5.8%	20	1,482,451	297,824	83.3%	28	33,308	20,190	13,118	39.4%	0	0	0	0.0%	0	0	13,118	20,190	39.4%
100-03	3	220	Somerset	NC	1,789,733	196,241	1,593,492	89.0%	0	99,485	103,474	5.8%	20	1,490,018	299,716	83.3%	78	34,613	25,408	9,205	26.6%	0	0	0	0.0%	0	0	9,205	25,408	26.6%
101-01	3	224	Franklin	NC	1,935,837	211,283	1,724,554	89.1%	3,643	113,153	116,796	6.0%	20	1,607,758	328,079	83.1%	2,583	56,312	31,956	24,357	43.3%	0	383	383	0.7%	0	0	23,974	32,339	42.6%
101-02	3	225	Franklin	NC	1,839,275	189,065	1,650,210	89.7%	9,072	101,247	110,318	6.0%	20	1,539,892	299,384	83.7%	309	41,445	0	41,445	100.0%	0	0	0	0.0%	0	0	41,445	0	100.0%
101-03	3	225	Franklin	H	2,293,865	208,590	2,085,275	90.9%	9,072	110,840	119,912	5.2%	20	1,965,364	328,502	85.7%	22,982	121,835	19,055	102,780	84.4%	9,072	13,473	22,544	18.5%	0	0	80,236	41,599	65.9%
102-01	3	226	Franklin	NC	1,780,275	234,971	1,545,304	86.8%	28,292	73,450	101,741	5.7%	20	1,443,563	336,712	81.1%	28	33,308	23,404	9,904	29.7%	0	0	0	0.0%	0	0	9,904	23,404	29.7%
102-02	3	226	Franklin	NC	1,874,733	211,588	1,663,145	88.7%	45,381	69,163	114,544	6.1%	20	1,548,601	326,132	82.6%	649	46,467	33,704	12,764	27.5%	0	0	0	0.0%	0	0	12,764	33,704	27.5%
102-03	3	226	Franklin	NC	2,015,704	223,249	1,792,455	88.9%	46,210	70,955	117,165	5.8%	20	1,675,290	340,414	83.1%	4,370	69,095	30,466	38,629	55.9%	0	0	0	0.0%	0	0	38,629	30,466	55.9%
102-04	3	226	Franklin	NC	1,797,491	217,805	1,579,686	87.9%	46,210	64,209	110,419	6.1%	20	1,469,266	328,224	81.7%	86	35,678	22,762	12,916	36.2%	0	0	0	0.0%	0	0	12,916	22,762	36.2%
102-05	3	226	Franklin	NC	1,780,275	228,682	1,551,593	87.2%	46,210	63,382	109,592	6.2%	20	1,442,000	338,274	81.0%	28	33,308	22,522	10,786	32.4%	0	0	0	0.0%	0	0	10,786	22,522	32.4%
102-06	3	226	Franklin	NC	1,800,957	242,230	1,558,727	86.5%	46,210	63,912	110,122	6.1%	20	1,448,606	352,352	80.4%	130	36,180	24,047	12,134	33.5%	0	0	0	0.0%	0	0	12,134	24,047	33.5%
102-07	3	226	Franklin	NC	1,780,987	260,360	1,520,627	85.4%	46,210	63,343	109,553	6.2%	28	1,411,074	369,913	79.2%	24	33,426	23,673	9,753	29.2%	27	0	27	0.1%	0	0	9,726	23,699	29.1%
102-08	3	226	Franklin	NC	1,800,780	272,905	1,527,875	84.8%	46,210	63,998	110,207	6.1%	28	1,417,668	383,112	78.7%	102	36,133	25,446	10,686	29.6%	28	0	28	0.1%	0	0	10,659	25,474	29.5%
102-09	3	226	Franklin	NC	1,814,541	280,586	1,533,955	84.5%	46,210	64,883	111,093	6.1%	28	1,422,862	391,679	78.4%	129	37,991	28,095	9,896	26.0%	52	0	52	0.1%	0	0	9,844	28,147	25.9%
103-01	3	227	Franklin	L	1,801,594	356,016	1,445,578	80.2%	16,765	84,150	108,275	6.0%	20	1,337,304	464,290	74.2%	176	36,279	26,210	10,068	27.8%	0	6,506	6,506	17.9%	0	0	3,562	32,717	9.8%
103-02	3	227, 228	Franklin	NC	1,900,043	331,475	1,568,567	82.6%	5,934	98,194	111,488	5.9%	20	1,457,080	442,963	76.7%	959	50,483	18,621	31,862	63.1%	5,934	10,892	16,870	33.4%	0	0	14,992	35,491	29.7%
103-03	3	228	Franklin	NC	1,848,391	228,248	1,620,143	87.7%	6,649	100,427	111,527	6.0%	20	1,508,616	339,775	81.6%	356	42,701	33,785	8,916	20.9%	0	3,103	3,103	7.3%	0	0	5,813	36,888	13.6%
104-01	3	229	Franklin	NC	1,780,274	238,048	1,542,226	86.6%	7,285	72,969	82,853	4.7%	20	1,459,373	320,900	82.0%	28	33,308	26,242	7,066	21.2%	0	766	766	2.3%	0	0	6,299	27,009	18.9%
104-02	3	230	Franklin	NC	2,024,852	248,083	1,776,769	87.7%	9,409	75,706	91,781	4.5%	20	1,684,988	339,865	83.2%	4,173	69,855	1,588	68,267	97.7%	0	14,842	14,842	21.2%	0	0	53,425	16,430	76.5%
104-03	3	231	Franklin	NC	1,841,609	187,978	1,653,630	89.8%	8,800	99,223	113,264	6.2%	20	1,540,366	301,243	83.6%	607	42,014	0	42,014	100.0%	0	5,607	8,264	19.7%	0	0	33,750	8,264	80.3%
104-04	3	231	Franklin	NC	1,789,734	192,643	1,597,091	89.2%	9,111	97,151	111,503	6.2%	20	1,485,588	304,146	83.0%	78	34,613	27,529	7,084	20.5%	0	3,473	5,964	17.2%	0	0	1,119	33,493	3.2%
104-05	3	231	Franklin	NC	1,932,963	204,623	1,728,340	89.4%	9,111	102,633	117,212	6.1%	20	1,611,128	321,835	83.4%	532	54,034	33,387	20,647	38.2%	0	0	0	0.0%	0	0	20,647	33,387	38.2%
104-06	3	231	Franklin	NC	1,780,274	206,054	1,574,220	88.4%	5,716	89,319	108,538	6.1%	20	1,465,682	314,592	82.3%	28	33,308	24,466	8,842	26.5%	0	0	0	0.0%	0	0	8,842	24,466	26.5%
104-07	3	231	Franklin	NC	1,789,733	206,387	1,583,346	88.5%	528	94,853	108,884	6.1%	20	1,474,462	315,271	82.4%	78	34,613	26,694	7,919	22.9%	0	0	0	0.0%	0	0	7,919	26,694	22.9%
104-08	3	231	Franklin	NC	1,878,649	214,897	1,663,752	88.6%	0	100,121	113,624	6.0%	20	1,550,128	328,521	82.5%	352	46,636	35,294	11,341	24.3%	0	0	0	0.0%	0	0	11,341	35,294	24.3%
105-01	3	232	Franklin	L	1,937,724	406,974	1,530,750	79.0%	6,930	97,850	111,779	5.8%	20	1,418,971	518,753	73.2%	3,036	57,016	11,409	45,607	80.0%	2,327	7,804	10,131	17.8%	0	0	35,476	21,541	62.2%
105-02	3	231	Franklin	M	1,852,404	243,098	1,609,306	86.9%	6,923	89,450	109,876	5.9%	20	1,499,429	352,975	80.9%	265	43,061	8	43,052	100.0%	0	6,538	10,762	25.0%	0	0	32,290	10,770	75.0%
105-03	3	232	Franklin	L	1,780,273	403,342	1,376,932	77.3%	6,930	91,888	108,491	6.1%	20	1,268,440	511,833	71.2%	28	33,308	15,044	18,264	54.8%	6,396	5,343	11,738	35.2%	0	0	6,526	26,782	19.6%
106-01	3	234	Franklin	L	1,780,274	1,029,327	750,947	42.2%	0	31,230	31,230	1.8%	20	719,717	1,060,557	40.4%	28	33,308	27,369	5,939	17.8%	0	0	0	0.0%	0	0	5,939	27,369	17.8%
106-02	3	235	Franklin	L	1,816,305	986,915	829,389	45.7%	0	43,664	48,036	2.6%	20	781,353	1,034,951	43.0%	263	38,341	17,949	20,392	53.2%	0	9,880	14,252	37.2%	0	0	6,140	32,201	16.0%
107-01	3	236	Franklin	NC	1,801,594	255,762	1,545,832	85.8%	29,297	70,318	99,616	5.5%	20	1,446,217	355,378	80.3%	176	36,279	16,177	20,102	55.4%	0	0	0	0.0%	0	0	20,102	16,177	55.4%
107-02	3	237	Franklin	NC	1,813,658	775,961	1,037,697	57.2%	0	72,269	87,136	4.8%	20	950,561	863,097	52.4%	187	37,924	11,890	26,034	68.6%	0	2,902	12,553	33.1%	0	20	13,481	24,443	35.5%
107-03	3	238	Franklin	L	1,780,273	1,175,827	604,446	34.0%	11,006	9,479	20,485	1.2%	20	583,961	1,196,312	32.8%	28	33,308	33,308	0	0.0%	0	0	0	0.0%	0	20	0	33,308	0.0%
107-04	3	237	Franklin	NC	1,813,494	785,466	1,028,028	56.7%	0	64,790	79,030	4.4%	20	948,998	864,496	52.3%	312	37,984	17,442	20,542	54.1%	0	14,685	14,685	38.7%	0	0	5,857	32,127	15.4%
109-01	3	240, 241	Franklin	NC	1,887,110	291,488	1,595,623	84.6%	0	108,570	113,992	6.0%	20	1,481,631	405,480	78.5%	1,232	48,621	43,954	4,668	9.6%	0	1	1	0.0%	0	0	4,667	43,954	9.6%
109-02	3	240, 241	Franklin	NC	1,801,594	280,197	1,521,398	84.4%	0	99,846	105,268	5.8%	20	1,416,129	385,465	78.6%	176	36,279	13,755	22,524	62.1%	0	0	0	0.0%	0	0	22,524	13,755	62.1%
109-03	3	241	Franklin	L	1,889,045	523,688	1,365,357	72.3%	2,937	103,454	106,798	5.7%	20	1,258,558	630,487	66.6%	858	48,555	31,539	17,016	35.0%	0	0	0	0.0%	0	0	17,016	31,539	35.0%
111-01	3	245	Franklin	L	2,000,648	602,701	1,397,947	69.9%	0	118,002	119,982	6.0%	20	1,277,965	722,683	63.9%	3,724	65,938	36,785	29,153	44.2%	0	0	0	0.0%	0	0	29,153	36,785	44.2%
111-02	3	245	Franklin	M	1,897,746	725,683	1,172,063	61.8%	0	113,785	113,785	6.0%	20	1,058,278	839,468	55.8%	1,631	50,385	24,350	26,034	51.7%	0	10,131	10,131	20.1%	0	20	15,904	34,481	31.6%
111-03	3	245, 246	Franklin	M	1,915,793	657,897	1,257,896	65.7%	0	107,634	107,634	5.6%	20	1,150,262	765,530	60.0%	2,381	53,441	25,065	28,376	53.1%	0	7,621	7,621	14.3%	0	0	20,755	32,686	38.8%
111-04	3	246	Franklin	M	1,968,568	736,201	1,232,367	62.6%	0	107,840	107,840	5.5%	20	1,124,528	844,040	57.1%	3,388	61,351	27,033	34,317	55.9%	0	0	0	0.0%	0	0	34,317	27,033	55.9%
111-05	3	246	Franklin	M	1,926,774	848,671	1,078,103	56.0%	0	99,200	99,200	5.1%	20	978,903	947,871	50.8%	2,738	55,215	8,222	46,992	85.1%	0	0	0	0.0%	0	0	46,992	8,222	85.1%
111-06	3	246	Franklin	M	1,805,070	846,017	959,053	53.1%	1,940	92,932	94,872	5.3%	20	864,181	940,889	47.9%	146	36,743	171	36,572	99.5%	0	0	0	0.0%	0	0	36,572	171	99.5%
112-02	3	248	Franklin	NC	1,780,274	417,204	1,363,069	76.6%	2,912	102,706	110,239	6.2%	20	1,252,830	527,443	70.4%	28	33,308	15,676	17,632	52.9%	0	0	0	0.0%	0	0	17,632	15,676	52.9%
113-01	3	250, 251	Franklin	NC	1,935,687	1,730,873	204,813	10.6%	0	13,941	13,941	0.7%	20	190,872	1,744,814	9.9%	2,955	56,589	56,501	88	0.2%	0	0	0	0.0%	0	0	88	56,501	0.2%
114-01	3	252	Franklin	M	1,964,816	876,051	1,088,764	55.4%	0	13,576	35,446	1.8%	20	1,053,318	911,498	53.6%	3,803	61,209	18,460	42,749	69.8%	0	845	9,647	15.8%	0	0	33,102	28,107	54.1%
114-02	3	252	Franklin	M	1,948,564	608,069	1,340,495	68.8%	0	21,664	58,375	3.0%	20	1,282,119	666,444	65.8%	1,372	58,587	36,554	22,033	37.6%	0	0	0	0.0%	0	0	22,033	36,554	37.6%

Exhibit 7-6 USACE Vernal Pool Table

					Existing Condition in Vernal Pool Habitat (750')				Proposed Activity in Vernal Pool Habitat (750')					Vernal Pool Habitat (750')			Existing Conditions in Vernal Pool Depression and 100' Envelope					Proposed Activity in Vernal Pool Depression and 100' Envelope						Pool Depression and 100' Envelope		
Vernal Pool ID	Segment #	NRM #	COUNTY	Value (High, Medium, Low, No Compensation)	Total VP Habitat Area (sq ft)	Existing Non-Forested (sq ft)	Existing Forested (sq ft)	Existing Percent Forested	Proposed Wetland Clearing (sq ft)	Proposed Upland Clearing (sq ft)	Total Proposed Forest Clearing (sq ft)	Proposed Percent Additional Clearing	Direct Impact to VP Habitat (sq ft)	Proposed Forested (sq ft)	Proposed Non-Forested (sq ft)	Proposed Percent Forested	Pool Size (sq ft)	Total Habitat Area (sq ft)	Existing Non-Forested (sq ft)	Existing Forested (sq ft)	Existing Percent Forested	Proposed Wetland Clearing (sq ft)	Proposed Upland Clearing (sq ft)	Total Proposed Forest Clearing (sq ft)	Percent Forested	Pool Depression Direct Impact (sq ft)	Proposed Fill Envelope (sq ft)	Proposed Forested Conditions (sq ft)	Proposed Non-Forested Conditions (sq ft)	Proposed Percent Forested Condition
114-03	3	252	Franklin	M	1,789,734	456,793	1,332,941	74.5%	0	20,889	64,339	3.6%	20	1,268,603	521,131	70.9%	78	34,613	1,393	33,220	96.0%	0	439	1,098	3.2%	0	0	32,122	2,490	92.8%
116-01	3	257	Franklin	NC	1,789,734	201,318	1,588,416	88.8%	0	91,814	110,414	6.2%	20	1,478,002	311,732	82.6%	78	34,613	23,391	11,221	32.4%	0	0	0	0.0%	0	0	11,221	23,391	32.4%
116-02	3	257	Franklin	NC	1,789,734	200,240	1,589,495	88.8%	0	91,442	110,043	6.1%	20	1,479,452	310,282	82.7%	78	34,613	21,161	13,452	38.9%	0	0	0	0.0%	0	0	13,452	21,161	38.9%
116-03	3	257	Franklin	NC	1,892,208	202,091	1,690,117	89.3%	0	95,160	113,761	6.0%	20	1,576,357	315,851	83.3%	1,002	49,102	32,325	16,777	34.2%	0	0	1,479	3.0%	0	0	15,298	33,804	31.2%
116-04	3	257	Franklin	NC	2,265,233	220,661	2,044,573	90.3%	0	111,928	130,529	5.8%	20	1,914,044	351,189	84.5%	15,369	113,307	38,786	74,521	65.8%	0	17,809	30,799	27.2%	0	0	43,722	69,585	38.6%
116-05	3	258	Franklin	NC	1,813,494	178,001	1,635,493	90.2%	50,354	60,872	111,227	6.1%	20	1,524,267	289,228	84.1%	312	37,984	21,836	16,148	42.5%	0	0	0	0.0%	0	0	16,148	21,836	42.5%
116-06	3	258	Franklin	NC	1,811,662	178,852	1,632,810	90.1%	60,810	51,092	111,902	6.2%	20	1,520,908	290,754	84.0%	130	37,511	23,513	13,998	37.3%	0	0	0	0.0%	0	0	13,998	23,513	37.3%
117-01	3	258	Franklin	NC	1,780,273	178,461	1,601,812	90.0%	64,715	45,269	109,984	6.2%	20	1,491,828	288,445	83.8%	28	33,308	19,201	14,107	42.4%	0	0	0	0.0%	0	0	14,107	19,201	42.4%
117-02	3	258	Franklin	NC	2,188,966	203,352	1,985,614	90.7%	77,647	52,181	129,827	5.9%	20	1,855,786	333,180	84.8%	10,517	97,764	0	97,764	100.0%	14,021	471	14,492	14.8%	0	0	83,272	14,492	85.2%
117-03	3	258, 259	Franklin	NC	1,920,143	252,851	1,667,292	86.8%	36,582	78,434	115,016	6.0%	20	1,552,276	367,867	80.8%	1,704	53,642	33,510	20,132	37.5%	56	749	805	1.5%	0	0	19,327	34,315	36.0%
117-04	3	259	Franklin	NC	1,829,632	215,761	1,613,872	88.2%	9,838	103,927	113,765	6.2%	20	1,500,107	329,526	82.0%	317	40,170	32	40,138	99.9%	62	14,216	14,278	35.5%	0	0	25,860	14,310	64.4%
117-05	3	260	Franklin	H	1,968,773	910,831	1,057,941	53.7%	0	83,699	102,876	5.2%	20	955,065	1,013,707	48.5%	2,750	60,833	33,792	27,041	44.5%	0	15,541	17,097	28.1%	0	0	9,944	50,889	16.3%
117-06	3	260	Franklin	M	1,780,274	730,204	1,050,070	59.0%	0	62,419	92,581	5.2%	20	957,489	822,785	53.8%	28	33,308	32,585	723	2.2%	0	0	0	0.0%	0	0	723	32,585	2.2%
117-07	3	260	Franklin	NC	1,871,645	331,378	1,540,267	82.3%	0	84,562	111,982	6.0%	20	1,428,285	443,360	76.3%	996	46,355	13,345	33,010	71.2%	0	6,930	16,911	36.5%	0	0	16,100	30,255	34.7%
118-01	3	261	Franklin	NC	1,780,274	677,663	1,102,611	61.9%	0	47,740	51,394	2.9%	20	1,051,217	729,057	59.0%	28	33,308	19,724	13,584	40.8%	0	2,421	5,734	17.2%	0	0	7,851	25,458	23.6%
118-02	3	261	Franklin	NC	1,912,624	629,945	1,282,679	67.1%	0	105,070	105,070	5.5%	20	1,177,609	735,015	61.6%	1,791	52,507	19,474	33,033	62.9%	0	0	0	0.0%	0	0	33,033	19,474	62.9%
118-03	3	262	Franklin	NC	1,983,465	182,083	1,801,382	90.8%	0	118,146	118,146	6.0%	20	1,683,237	300,229	84.9%	2,072	63,353	0	63,353	100.0%	0	9,853	9,853	15.6%	0	0	53,501	9,853	84.4%
118-04	3	262	Franklin	H	1,943,893	173,754	1,770,139	91.1%	0	115,155	115,155	5.9%	20	1,654,983	288,909	85.1%	2,557	57,797	88	57,710	99.8%	0	13,587	13,587	23.5%	0	20	44,122	13,675	76.3%
119-01	3	263	Franklin	NC	1,780,275	232,510	1,547,764	86.9%	4,952	104,589	109,541	6.2%	20	1,438,224	342,051	80.8%	28	33,308	23,166	10,142	30.4%	0	3,595	3,595	10.8%	0	0	6,547	26,761	19.7%
119-02	3	264	Franklin	NC	2,015,258	229,249	1,786,009	88.6%	0	112,504	117,410	5.8%	20	1,668,599	346,659	82.8%	1,459	65,943	7,468	58,475	88.7%	0	0	0	0.0%	0	0	58,475	7,468	88.7%
119-03	3	264	Franklin	NC	1,921,096	302,692	1,618,405	84.2%	0	112,383	118,617	6.2%	20	1,499,788	421,309	78.1%	1,803	53,789	381	53,407	99.3%	0	14,519	17,519	32.6%	0	0	35,888	17,900	66.7%
119-04	3	264	Franklin	NC	2,016,754	252,395	1,764,360	87.5%	0	114,946	121,179	6.0%	20	1,643,180	373,574	81.5%	1,124	65,956	40,148	25,807	39.1%	0	486	486	0.7%	0	0	25,322	40,634	38.4%
119-05	3	264	Franklin	NC	1,782,320	232,238	1,550,082	87.0%	0	103,754	109,988	6.2%	20	1,440,094	342,226	80.8%	37	33,588	20,088	13,501	40.2%	0	0	0	0.0%	0	0	13,501	20,088	40.2%
119-06	3	264, 265	Franklin	NC	1,780,695	222,522	1,558,172	87.5%	0	105,030	111,264	6.2%	20	1,446,908	333,786	81.3%	28	33,317	22,306	11,012	33.1%	0	1,298	1,298	3.9%	0	0	9,713	23,604	29.2%
119-07	3	264, 265	Franklin	NC	1,964,850	237,455	1,727,395	87.9%	0	112,408	118,642	6.0%	20	1,608,753	356,097	81.9%	874	59,046	31,183	27,863	47.2%	0	0	0	0.0%	0	0	27,863	31,183	47.2%
119-08	3	265	Franklin	NC	1,813,494	216,623	1,596,871	88.1%	0	106,266	112,500	6.2%	20	1,484,372	329,122	81.9%	312	37,984	24,493	13,491	35.5%	0	2,382	3,525	9.3%	0	0	9,966	28,018	26.2%
120-01	3	266	Franklin	L	1,780,276	1,090,509	689,767	38.7%	0	38,261	62,577	3.5%	20	627,190	1,153,086	35.2%	28	33,308	16,456	16,852	50.6%	0	0	0	0.0%	0	0	16,852	16,456	50.6%
120-02	3	266	Franklin	L	1,780,274	975,496	804,778	45.2%	0	34,404	59,322	3.3%	20	745,457	1,034,818	41.9%	28	33,308	30,484	2,824	8.5%	0	0	0	0.0%	0	0	2,824	30,484	8.5%
120-03	3	266	Franklin	L	1,780,272	977,110	803,163	45.1%	0	37,867	67,831	3.8%	20	735,331	1,044,941	41.3%	28	33,308	33,243	65	0.2%	0	0	0	0.0%	0	0	65	33,243	0.2%
121-01	3	267	Franklin	NC	1,789,735	1,208,686	581,049	32.5%	0	0	0	0.0%	20	581,049	1,208,686	32.5%	78	34,613	26,805	7,808	22.6%	0	0	0	0.0%	0	0	7,808	26,805	22.6%
121-02	3	268	Franklin	NC	1,916,752	751,972	1,164,780	60.8%	0	0	0	0.0%	20	1,164,780	751,972	60.8%	368	51,820	39,550	12,270	23.7%	0	0	0	0.0%	0	0	12,270	39,550	23.7%
123-01	3	271	Androscoggin	NC	1,780,273	780,654	999,619	56.1%	0	39,179	95,042	5.3%	20	904,577	875,696	50.8%	28	33,308	16,326	16,982	51.0%	0	2,117	12,788	38.4%	0	0	4,194	29,114	12.6%
123-02	3	272, 273	Androscoggin	L	1,789,735	583,360	1,206,375	67.4%	0	18,310	18,310	1.0%	20	1,188,065	601,669	66.4%	78	34,613	20,032	14,581	42.1%	0	0	0	0.0%	0	0	14,581	20,032	42.1%
123-03	3	273	Androscoggin	L	1,926,942	745,834	1,181,108	61.3%	0	5,461	5,461	0.3%	20	1,175,647	751,295	61.0%	1,975	54,575	54,575	0	0.0%	0	0	0	0.0%	0	0	0	54,575	0.0%
123-04	3	273	Androscoggin	L	1,813,495	800,017	1,013,477	55.9%	0	7,349	38,671	2.1%	20	974,807	838,688	53.8%	312	37,984	28,075	9,909	26.1%	0	0	5,275	13.9%	0	0	4,634	33,350	12.2%
123-05	3	273	Androscoggin	L	1,780,273	832,929	947,344	53.2%	0	7,349	38,671	2.2%	20	908,673	871,600	51.0%	28	33,308	33,110	198	0.6%	0	0	0	0.0%	0	0	198	33,110	0.6%
124-01	3	274	Androscoggin	L	1,780,275	1,114,381	665,894	37.4%	0	23,059	59,202	3.3%	20	606,692	1,173,583	34.1%	28	33,308	33,308	0	0.0%	0	0	0	0.0%	0	0	0	33,308	0.0%
124-02	3	275	Androscoggin	L	1,780,274	723,935	1,056,340	59.3%	0	7,988	88,648	5.0%	20	967,692	812,583	54.4%	28	33,308	32,075	1,233	3.7%	0	0	11	0.0%	0	0	1,222	32,086	3.7%
124-03	3	275	Androscoggin	L	1,780,275	575,978	1,204,297	67.6%	0	12,234	57,624	3.2%	28	1,146,673	633,603	64.4%	28	33,308	32,530	779	2.3%	0	0	0	0.0%	0	0	779	32,530	2.3%
124-04	3	275	Androscoggin	L	1,789,734	570,935	1,218,799	68.1%	0	13,170	61,079	3.4%	28	1,157,719	632,014	64.7%	78	34,613	21,960	12,653	36.6%	0	1,186	2,988	8.6%	0	0	9,665	24,948	27.9%
124-05	3	275	Androscoggin	H	1,873,037	427,667	1,445,370	77.2%	0	69,119	93,460	5.0%	20	1,351,910	521,127	72.2%	891	46,451	0	46,451	100.0%	0	6,919	7,806	16.8%	0	0	38,644	7,806	83.2%
124-06	3	275, 276	Androscoggin	H	2,141,815	545,142	1,596,673	74.5%	0	86,231	112,857	5.3%	20	1,483,815	658,000	69.3%	10,286	90,912	49,011	41,901	46.1%	0	13,013	28,048	30.9%	0	0	13,852	77,059	15.2%
124-07	3	276	Androscoggin	M	1,874,405	555,089	1,319,316	70.4%	0	92,112	109,585	5.8%	20	1,209,731	664,674	64.5%	538	46,311	39,152	7,159	15.5%	0	0	0	0.0%	0	0	7,159	39,152	15.5%
125-01	3	276	Androscoggin	L	1,930,173	566,008	1,364,166	70.7%	2,031	113,508	117,328	6.1%	20	1,246,837	683,336	64.6%	2,038	55,278	52,100	3,178	5.7%	0	394	394	0.7%	0	0	2,784	52,494	5.0%
125-02	3	276	Androscoggin	L	1,789,734	502,795	1,286,939	71.9%	2,031	109,859	111,890	6.3%	20	1,175,049	614,685	65.7%	78	34,613	29,278	5,335	15.4%	0	2,907	2,907	8.4%	0	0	2,427	32,185	7.0%
125-03	3	276	Androscoggin	L	1,801,595	361,534	1,440,061	79.9%	4,319	109,019	113,338	6.3%	20	1,326,723	474,872	73.6%	176	36,279	1,171	35,107	96.8%	1,961	12,194	14,155	39.0%	0	0	20,953	15,326	57.8%
125-04	3	276, 277	Androscoggin	NC	1,922,142	342,948	1,579,194	82.2%	6,239	113,402	119,641	6.2%	20	1,459,553	462,589	75.9%	1,177	53,291	11,639	41,651	78.2%	1,167	20,581	21,748	40.8%	0	0	19,904	33,387	37.3%
126-01	3	279	Androscoggin	NC	2,000,474	536,534	1,463,940	73.2%	0	96,385	112,366	5.6%	20	1,351,574	648,900	67.6%	5,074	67,749	9,138	58,611	86.5%	0	14,648	17,018	25.1%	0	0	41,593	26,156	61.4%
126-02	3	279, 280	Androscoggin	L	2,459,996	1,143,876	1,316,120	53.5%	0	113,811	122,626	5.0%	20	1,193,494	1,266,502	48.5%	28,222	156,444	82,847	73,597	47.0%	0	25,143	28,414	18.2%	0	160	45,184	111,260	28.9%
126-03	3	279, 280	Androscoggin	L	1,780,274	890,309	889,965	50.0%	0	95,666	100,402	5.6%	20	789,563	990,711	44.4%	28	33,308	33,168	140	0.4%	0	0	0	0.0%	0	0	140	33,168	0.4%
126-04	3	280	Androscoggin	L	1,832,833	876,310	956,522	52.2%	0	94,559	102,568	5.6%	20	853,955	978,878	46.6%	411	40,674	16,547	24,127	59.3%	0	2,004	5,558	13.7%	0	0	18,569	22,105	45.7%
127-01	3	280	Androscoggin	L	1,903,144	955,900	947,244	49.8%	0	113,772	114,348	6.0%	18	832,896	1,070,247	43.8%	2,047	51,464	45,679	5,785	11.2%	0	0	0	0.0%	0	0	5,785	45,679	11.2%
127-02	3	281	Androscoggin	L	1,789,734	776,676	1,013,058	56.6%	0	93,194	149,186	8.3%	20	863,871	925,863	48.3%	78	34,613	32,447	2,166	6.3%	0	0	0	0.0%	0	0	2,166	32,447	6.3%
127-03	3	282	Androscoggin	L	1,780,274	937,568	842,706	47.3%	0	65,915	146,386	8.2%	20	696,320	1,083,954	39.1%	28	33,308	23,560	9,748	29.3%	0	605	6,283	18.9%	0	0	3,465	29,843	10.4%
127-04	3	282, 283	Androscoggin	NC	1,809,102	920,423	888,680	49.1%	4,740	80,362	91,053	5.0%	20	797,627	1,011,476	44.1%	41	37,189	34,421	2,768	7.4%	0	0	0	0.0%	0	0	2,768	34,421	7.4%
128-01	3	283	Androscoggin	M	1,789,734	1,037,418	752,316	42.0%	9,117	21,966	31,083	1.7%	20	721,233	1,068,501	40.3%	78	34,613	33,551	1,061	3.1%	743	0	743	2.1%	0	0	319	34,294	0.9%
128-02	3	283	Androscoggin	M	1,813,495	1,013,741	799,754	44.1%	8,406	17,633	26,039	1.4%	20	773,715	1,039,780	42.7%	312	37,984	33,582	4,402	11.6%	3,679	0	3,679	9.7%	0	0	723	37,261	1.9%
128-03	3	283	Androscoggin	M	2,185,196	1,282,789	902,407	41.3%	8,184	16,221	24,406	1.1%	20	878,001	1,307,195	40.2%	9,484	95,932	60,277	35,655	37.2%	7,778	4,836	12,614	13.1%	0	0	23,041	72,891	24.0%
128-04	3	284	Androscoggin	NC	1,789,734	709,635	1,080,099	60.3%	0	477	477	0.0%	17	1,079,622	710,112	60.3%	78	34,613	34,613	0	0.0%	0	0	0	0.0%	0	0	0	34,613	0.0%
128-05	3	284	Androscoggin	NC	1,789,735	668,163	1,121,572	62.7%	0	417	417	0.0%	17	1,121,155	668,580	62.6%	78	34,613	33,961	651	1.9%	0	0	0	0.0%	0	0	651	33,961	1.9%
128-06	3	284	Androscoggin	L	1,887,562	592,231	1,295,330	68.6%	7,428	8,340	27,992	1.5%	20	1,267,338	620,223	67.1%	382	47,850	33,812	14,038	29.3%	0	1,067	7,802	16.3%	0	0	6,236	41,614	13.0%
128-07	3	284, 285	Androscoggin	M	1,876,935	634,187	1,242,748	66.2%	15,122	26,569	41,691	2.2%	20	1,201,057	675,878	64.0%	862	46,945	9,092	37,853	80.6%	302	1,764	2,067	4.4%	0	0	35,787	11,158	76.2%
128-08	3	285	Androscoggin	M	1,813,494	547,525	1,265,969	69.8%	18,831	28,448	47,279	2.6%	20	1,218,690	594,804	67.2%	312	37,984	27,377	10,606	27.9%	1,265	3,770	5,035	13.3%	0	0	5,571	32,413	14.7%
128-10	3	285	Androscoggin	M	1,789,734	542,028	1,247,706	69.7%	21,935	27,734	49,669	2.8%	20	1,198,037	591,698	66.9%	78	34,613	25,173	9,440	27.3%	946	3,301	4,248	12.3%	0	0	5,192	29,421	15.0%
129-01	3	285	Androscoggin	M	1,789,734	562,387	1,227,347	68.6%	34,224	23,305	57,529	3.2%	20	1,169,818	619,916	65.4%	78	34,613	29,955	4,658	13.5%	0	0	0	0.0%	0	0	4,658	29,955	13.5%
129-02	3	285	Androscoggin	M	2,116,580	997,817	1,118,762	52.9%	56,223	29,672	102,609	4.8%	20	1,016,153	1,100,426	48.0%	3,830	81,469	77,099	4,370	5.4%	0	0	0	0.0%	0	0	4,370	77,099	5.4%
129-03	3	285	Androscoggin	L	1,813,495	1,027,897	785,597	43.3%	52,045	30,213	99,847	5.5%	20	685,750	1,127,745	37.8%	312	37,984	23,719	14,265	37.6%	3,380	4,624	10,935	28.8%	0	0	3,330	34,654	8.8%
129-04	3	286	Androscoggin	M	1,964,506	950,147	1,014,359	51.6%	0	9,207	58,729	3.0%	20	955,629	1,008,876	48.6%	1,064	58,795	58,257	538	0.9%	0	0	0	0.0%	0	0	538	58,257	0.9%
129-05	3	286	Androscoggin	M	1,979,988	805,306	1,174,682	59.3%	0	9,207	69,831	3.5%	20	1,104,852	875,136	55.8%	1,459	61,203	60,342	861	1.4%	0	0	0	0.0%	0	0	861	60,342	1.4%
129-06	3	286	Androscoggin	H	2,102,876	443,365	1,659,511	78.9%	0	19,478	112,209	5.3%	20	1,547,302	555,574	73.6%	2,767	78,745	74,728	4,016	5.1%	0	0	844	1.1%	0	0	3,172	75,573	4.0%
129-07	3	287	Androscoggin	NC	1,794,473	311,159	1,483,315	82.7%	0	77,415	112,166	6.3%	20	1,371,148	423,325	76.4%	112	35,274	27,698	7,576	21.5%	0	375	3,943	11.2%	0	0	3,633	31,641	10.3%
129-08	3	287	Androscoggin	NC	1,789,735	308,455	1,481,280	82.8%	0	76,894	112,753	6.3%	20	1,368,527	421,208	76.5%	78	34,613	18,623	15,990	46.2%	0	4,239	11,530	33.3%	0	0	4,460	30,153	12.9%
129-09	3	287	Androscoggin	NC	1,780,274	309,395	1,470,879	82.6%	0	76,533	110,015	6.2%	20	1,360,863	419,411	76.4%	28	33,308	32,855	453	1.4%	0	0	0	0.0%	0	0	453	32,855	1.4%
130-01	3	287	Androscoggin	NC	1,881,206	342,316	1,538,890	81.8%	0	44,686	115,514	6.1%	80	1,423,377	457,829	75.7%	732	47,400	46,862	538	1.1%	0	0	0	0.0%	0	0	538	46,862	1.1%

Exhibit 7-6 USACE Vernal Pool Table

					Existing Condition in Vernal Pool Habitat (750')				Proposed Activity in Vernal Pool Habitat (750')					Vernal Pool Habitat (750')			Existing Conditions in Vernal Pool Depression and 100' Envelope					Proposed Activity in Vernal Pool Depression and 100' Envelope						Pool Depression and 100' Envelope		
Vernal Pool ID	Segment #	NRM #	COUNTY	Value (High, Medium, Low, No Compensation)	Total VP Habitat Area (sq ft)	Existing Non-Forested (sq ft)	Existing Forested (sq ft)	Existing Percent Forested	Proposed Wetland Clearing (sq ft)	Proposed Upland Clearing (sq ft)	Total Proposed Forest Clearing (sq ft)	Proposed Percent Additional Clearing	Direct Impact to VP Habitat (sq ft)	Proposed Forested (sq ft)	Proposed Non-Forested (sq ft)	Proposed Percent Forested	Pool Size (sq ft)	Total Habitat Area (sq ft)	Existing Non-Forested (sq ft)	Existing Forested (sq ft)	Existing Percent Forested	Proposed Wetland Clearing (sq ft)	Proposed Upland Clearing (sq ft)	Total Proposed Forest Clearing (sq ft)	Percent Forested	Pool Depression Direct Impact (sq ft)	Proposed Fill Envelope (sq ft)	Proposed Forested Conditions (sq ft)	Proposed Non-Forested Conditions (sq ft)	Proposed Percent Forested Condition
130-02	3	287, 288	Androscoggin	H	1,813,494	425,125	1,388,370	76.6%	0	31,383	113,114	6.2%	20	1,275,256	538,238	70.3%	312	37,984	28,047	9,936	26.2%	0	0	7,849	20.7%	0	0	2,088	35,896	5.5%
130-03	3	287, 288	Androscoggin	M	1,789,735	463,530	1,326,204	74.1%	0	30,624	110,853	6.2%	20	1,215,352	574,383	67.9%	78	34,613	34,590	23	0.1%	0	0	0	0.0%	0	0	23	34,590	0.1%
130-04	3	288	Androscoggin	M	1,789,734	479,759	1,309,975	73.2%	0	56,389	112,623	6.3%	20	1,197,352	592,382	66.9%	78	34,613	22,640	11,973	34.6%	0	7,631	9,792	28.3%	0	0	2,180	32,433	6.3%
130-05	3	288	Androscoggin	M	1,797,416	538,631	1,258,785	70.0%	0	57,699	111,095	6.2%	20	1,147,691	649,725	63.9%	107	35,686	35,425	261	0.7%	0	0	0	0.0%	0	0	261	35,425	0.7%
130-06	3	288	Androscoggin	M	1,789,734	481,692	1,308,042	73.1%	0	59,243	112,620	6.3%	20	1,195,422	594,312	66.8%	78	34,613	22,653	11,960	34.6%	0	3,065	9,763	28.2%	0	0	2,197	32,416	6.3%
130-07	3	288	Androscoggin	M	1,780,275	476,501	1,303,774	73.2%	0	58,976	112,351	6.3%	20	1,191,423	588,852	66.9%	28	33,308	21,445	11,863	35.6%	0	0	9,680	29.1%	0	0	2,183	31,125	6.6%
130-08	3	288	Androscoggin	H	2,241,795	507,643	1,734,152	77.4%	0	78,303	131,679	5.9%	20	1,602,473	639,322	71.5%	18,626	111,396	24,673	86,723	77.9%	0	7,656	33,896	30.4%	0	0	52,827	58,569	47.4%
130-09	3	288	Androscoggin	M	1,789,734	475,125	1,314,609	73.5%	0	59,388	112,631	6.3%	20	1,201,979	587,756	67.2%	78	34,613	22,467	12,146	35.1%	0	0	9,897	28.6%	0	0	2,248	32,365	6.5%
130-10	3	288	Androscoggin	M	1,780,273	501,251	1,279,021	71.8%	0	70,136	110,616	6.2%	20	1,168,405	611,867	65.6%	28	33,308	33,236	72	0.2%	0	0	0	0.0%	0	0	72	33,236	0.2%
130-11	3	288	Androscoggin	H	1,850,180	400,053	1,450,128	78.4%	0	109,421	113,960	6.2%	20	1,336,168	514,012	72.2%	455	43,025	41,755	1,270	3.0%	0	4	4	0.0%	0	0	1,266	41,759	2.9%
130-12	3	288	Androscoggin	L	1,889,018	381,485	1,507,532	79.8%	0	84,718	95,072	5.0%	20	1,412,460	476,557	74.8%	1,032	48,704	23,683	25,021	51.4%	0	0	0	0.0%	0	0	25,021	23,683	51.4%
130-13	3	289	Androscoggin	NC	1,939,182	889,479	1,049,703	54.1%	0	49,556	66,251	3.4%	20	983,452	955,730	50.7%	2,793	57,240	55,392	1,848	3.2%	0	1,254	1,254	2.2%	0	0	594	56,646	1.0%
13-1	1	30	Somerset	NC	1,878,768	152,455	1,726,312	91.9%	27,187	62,105	89,560	4.8%	20	1,636,752	242,015	87.1%	441	46,826	12,513	34,313	73.3%	8,296	3,596	11,892	25.4%	0	0	22,421	24,405	47.9%
131-01	3	290	Androscoggin	L	1,821,726	1,075,067	746,659	41.0%	934	89,088	92,540	5.1%	20	654,119	1,167,607	35.9%	50	38,880	26,758	12,122	31.2%	0	0	0	0.0%	0	0	12,122	26,758	31.2%
131-02	3	290	Androscoggin	L	2,003,786	1,202,242	801,543	40.0%	934	101,277	104,729	5.2%	20	696,814	1,306,972	34.8%	4,332	67,755	42,415	25,339	37.4%	0	16,041	16,041	23.7%	0	0	9,298	58,456	13.7%
131-03	3	290	Androscoggin	M	1,903,815	691,675	1,212,140	63.7%	0	98,873	108,464	5.7%	20	1,103,677	800,138	58.0%	1,399	50,993	40,714	10,280	20.2%	0	0	0	0.0%	0	0	10,280	40,714	20.2%
131-04A	3	290	Androscoggin	M	1,780,275	493,571	1,286,704	72.3%	0	90,045	108,447	6.1%	20	1,178,257	602,018	66.2%	28	33,308	31,606	1,702	5.1%	0	0	0	0.0%	0	0	1,702	31,606	5.1%
131-04B	3	291	Androscoggin	M	1,983,136	569,794	1,413,342	71.3%	24,820	63,789	109,359	5.5%	20	1,303,983	679,153	65.8%	3,642	63,799	52,321	11,478	18.0%	0	0	0	0.0%	0	0	11,478	52,321	18.0%
131-05	3	291	Androscoggin	H	1,813,495	421,642	1,391,853	76.7%	24,820	83,867	112,248	6.2%	28	1,279,605	533,890	70.6%	312	37,984	35,127	2,857	7.5%	1,510	0	1,510	4.0%	0	0	1,347	36,637	3.5%
13-2	1	30	Somerset	NC	1,884,004	160,364	1,723,640	91.5%	26,985	56,439	83,692	4.4%	20	1,639,948	244,056	87.0%	1,385	48,338	4,855	43,483	90.0%	531	562	1,093	2.3%	0	0	42,390	5,948	87.7%
132-01	3	292	Androscoggin	NC	1,780,274	494,272	1,286,002	72.2%	4,824	107,680	112,505	6.3%	20	1,173,497	606,777	65.9%	28	33,308	20,628	12,680	38.1%	46	11,656	11,702	35.1%	0	0	978	32,330	2.9%
132-02	3	293	Androscoggin	L	1,923,137	901,597	1,021,540	53.1%	0	86,002	88,443	4.6%	20	933,098	990,039	48.5%	282	52,601	38,395	14,206	27.0%	0	7,816	7,816	14.9%	0	20	6,390	46,211	12.1%
132-03	3	293	Androscoggin	M	1,780,273	920,290	859,984	48.3%	0	46,470	46,470	2.6%	20	813,513	966,760	45.7%	28	33,308	33,066	242	0.7%	0	0	0	0.0%	0	0	242	33,066	0.7%
133-01	3	294	Androscoggin	H	1,807,833	639,175	1,168,659	64.6%	0	51,657	110,191	6.1%	20	1,058,468	749,365	58.5%	185	37,144	36,273	870	2.3%	0	0	0	0.0%	0	0	870	36,273	2.3%
133-02	3	294	Androscoggin	L	2,026,520	702,193	1,324,327	65.3%	19	67,957	122,524	6.0%	20	1,201,803	824,717	59.3%	1,751	67,659	61,720	5,939	8.8%	0	0	2,066	3.1%	0	0	3,874	63,785	5.7%
133-03	3	295	Androscoggin	NC	1,891,948	348,735	1,543,213	81.6%	27,624	72,167	105,158	5.6%	20	1,438,055	453,892	76.0%	1,603	49,588	47,172	2,416	4.9%	0	0	0	0.0%	0	0	2,416	47,172	4.9%
133-04	3	295	Androscoggin	NC	2,082,746	368,341	1,714,405	82.3%	30,483	84,225	114,708	5.5%	20	1,599,697	483,049	76.8%	4,993	78,550	72,187	6,364	8.1%	0	5	5	0.0%	0	0	6,359	72,192	8.1%
134-01	3	297	Androscoggin	L	1,932,995	593,739	1,339,256	69.3%	0	74,097	117,084	6.1%	20	1,222,173	710,823	63.2%	2,883	56,372	28,297	28,075	49.8%	0	16,022	17,680	31.4%	0	0	10,395	45,977	18.4%
134-02	3	297	Androscoggin	L	1,814,402	505,021	1,309,381	72.2%	0	78,246	113,762	6.3%	20	1,195,618	618,784	65.9%	245	38,072	17,754	20,318	53.4%	0	13,162	14,124	37.1%	0	0	6,194	31,879	16.3%
134-03	3	297	Androscoggin	M	1,801,595	425,345	1,376,250	76.4%	0	89,874	112,844	6.3%	20	1,263,406	538,189	70.1%	176	36,279	24,455	11,824	32.6%	0	3,830	8,444	23.3%	0	0	3,380	32,899	9.3%
134-04	3	297	Androscoggin	M	1,827,699	433,559	1,394,140	76.3%	0	90,163	113,708	6.2%	20	1,280,432	547,268	70.1%	330	39,919	31,177	8,742	21.9%	0	1,842	5,441	13.6%	0	0	3,301	36,618	8.3%
135-01	3	298	Androscoggin	M	2,102,903	626,790	1,476,113	70.2%	2,651	104,639	119,452	5.7%	20	1,356,661	746,242	64.5%	5,371	81,308	76,739	4,569	5.6%	0	0	0	0.0%	0	0	4,569	76,739	5.6%
135-02	3	298	Androscoggin	M	1,916,976	491,593	1,425,383	74.4%	6,564	94,216	106,211	5.5%	20	1,319,172	597,804	68.8%	1,908	53,350	0	53,350	100.0%	0	2,752	2,752	5.2%	0	0	50,598	2,752	94.8%
135-03	3	298, 299	Androscoggin	M	2,166,852	633,163	1,533,689	70.8%	6,564	105,229	111,792	5.2%	20	1,421,897	744,955	65.6%	13,353	96,557	44,079	52,478	54.3%	3,913	12,945	16,858	17.5%	0	0	35,620	60,937	36.9%
135-04	3	299	Androscoggin	NC	1,869,958	340,120	1,529,838	81.8%	0	87,005	115,130	6.2%	20	1,414,708	455,250	75.7%	762	46,016	32,250	13,766	29.9%	0	5,836	8,579	18.6%	0	0	5,186	40,830	11.3%
135-05	3	299	Androscoggin	L	1,901,686	344,410	1,557,275	81.9%	0	91,597	117,388	6.2%	20	1,439,888	461,798	75.7%	1,519	51,140	10,261	40,879	79.9%	0	7,310	19,314	37.8%	0	20	21,565	29,575	42.2%
136-01	3	301	Androscoggin	NC	2,502,767	377,773	2,124,995	84.9%	32,877	101,108	141,982	5.7%	20	1,983,013	519,754	79.2%	35,243	161,691	14,656	147,035	90.9%	17,669	15,705	33,374	20.6%	0	0	113,661	48,030	70.3%
136-02	3	301, 302	Androscoggin	NC	1,975,061	327,023	1,648,039	83.4%	6,583	110,292	119,290	6.0%	20	1,528,749	446,313	77.4%	3,957	62,722	41,607	21,115	33.7%	409	13,971	15,251	24.3%	0	0	5,864	56,858	9.3%
136-03	3	302	Androscoggin	NC	1,921,776	352,787	1,568,989	81.6%	3,205	103,316	112,709	5.9%	20	1,456,280	465,496	75.8%	1,203	53,220	51,865	1,354	2.5%	0	0	0	0.0%	0	0	1,354	51,865	2.5%
136-04	3	302	Androscoggin	NC	2,005,861	353,800	1,652,061	82.4%	2,369	100,204	109,171	5.4%	20	1,542,890	462,971	76.9%	4,345	67,549	40,671	26,879	39.8%	0	0	0	0.0%	0	0	26,879	40,671	39.8%
136-05	3	302	Androscoggin	NC	1,853,755	343,829	1,509,926	81.5%	0	91,325	105,921	5.7%	160	1,404,005	449,749	75.7%	802	43,802	36,684	7,119	16.3%	0	0	0	0.0%	0	0	7,119	36,684	16.3%
136-06	3	302	Androscoggin	NC	1,915,656	356,394	1,559,262	81.4%	0	96,725	111,320	5.8%	160	1,447,942	467,714	75.6%	1,578	52,728	50,281	2,447	4.6%	0	0	0	0.0%	0	0	2,447	50,281	4.6%
136-07	3	302	Androscoggin	NC	1,833,954	339,688	1,494,266	81.5%	0	92,270	106,701	5.8%	160	1,387,565	446,389	75.7%	482	40,884	37,643	3,241	7.9%	0	0	0	0.0%	0	0	3,241	37,643	7.9%
136-08	3	302, 303	Androscoggin	NC	1,842,486	316,230	1,526,256	82.8%	0	97,832	108,420	5.9%	20	1,417,836	424,650	77.0%	462	42,004	23,855	18,149	43.2%	0	0	0	0.0%	0	0	18,149	23,855	43.2%
137-01	3	302, 303	Androscoggin	NC	1,899,548	327,137	1,572,411	82.8%	0	108,727	118,531	6.2%	20	1,453,880	445,668	76.5%	421	49,471	25,039	24,432	49.4%	0	18,451	18,452	37.3%	0	0	5,981	43,490	12.1%
137-02	3	303	Androscoggin	NC	1,780,275	312,997	1,467,278	82.4%	7,237	105,427	112,663	6.3%	20	1,354,614	425,660	76.1%	28	33,308	15,207	18,101	54.3%	0	13,337	13,337	40.0%	0	0	4,764	28,544	14.3%
137-03	3	303	Androscoggin	NC	1,799,058	300,738	1,498,320	83.3%	8,199	104,830	113,029	6.3%	20	1,385,291	413,767	77.0%	43	35,850	0	35,850	100.0%	143	4,876	5,019	14.0%	0	0	30,831	5,019	86.0%
137-04	3	303	Androscoggin	NC	1,792,820	298,137	1,494,683	83.4%	8,200	104,107	112,307	6.3%	20	1,382,376	410,444	77.1%	67	34,945	0	34,945	100.0%	1,806	1,433	3,238	9.3%	0	0	31,706	3,238	90.7%
137-05	3	304	Androscoggin	NC	1,948,111	317,953	1,630,159	83.7%	1,033	109,637	112,874	5.8%	20	1,517,285	430,827	77.9%	284	55,935	33,213	22,722	40.6%	0	12,200	14,405	25.8%	0	0	8,317	47,618	14.9%
137-06	3	304	Androscoggin	L	1,905,185	383,015	1,522,170	79.9%	7,690	103,247	113,142	5.9%	20	1,409,028	496,157	74.0%	1,554	51,310	0	51,310	100.0%	69	11,618	11,687	22.8%	0	0	39,623	11,687	77.2%
137-07	3	303	Androscoggin	NC	1,893,517	306,669	1,586,848	83.8%	8,200	105,494	113,694	6.0%	20	1,473,154	420,363	77.8%	1,036	49,305	0	49,305	100.0%	6,129	7,227	13,356	27.1%	0	0	35,949	13,356	72.9%
138-01	3	305	Androscoggin	NC	1,920,993	1,247,796	673,197	35.0%	0	62,218	63,645	3.3%	20	609,552	1,311,441	31.7%	603	52,594	33,683	18,911	36.0%	0	12,757	14,184	27.0%	0	0	4,726	47,868	9.0%
138-02	3	306, 307	Androscoggin	NC	1,890,948	624,629	1,266,320	67.0%	0	100,308	113,693	6.0%	20	1,152,626	738,322	61.0%	393	48,311	29,520	18,791	38.9%	0	13,629	13,928	28.8%	0	0	4,862	43,448	10.1%
139-01	3	307	Androscoggin	M	1,834,282	585,202	1,249,080	68.1%	0	81,748	113,491	6.2%	20	1,135,589	698,693	61.9%	205	40,592	34,300	6,293	15.5%	0	748	748	1.8%	0	0	5,544	35,048	13.7%
139-02	3	307	Androscoggin	M	1,789,734	486,766	1,302,969	72.8%	0	71,825	107,434	6.0%	20	1,195,535	594,199	66.8%	78	34,613	24,581	10,032	29.0%	0	0	0	0.0%	0	0	10,032	24,581	29.0%
139-03	3	307	Androscoggin	M	1,831,191	626,865	1,204,326	65.8%	0	76,502	113,812	6.2%	20	1,090,515	740,677	59.6%	195	40,171	23,369	16,802	41.8%	0	7,586	9,604	23.9%	0	0	7,199	32,972	17.9%
139-04	3	307	Androscoggin	M	1,813,495	639,840	1,173,655	64.7%	0	75,750	113,060	6.2%	20	1,060,595	752,900	58.5%	312	37,984	14,434	23,550	62.0%	0	9,982	14,286	37.6%	0	0	9,264	28,720	24.4%
139-05	3	307, 308	Androscoggin	M	1,840,329	568,183	1,272,146	69.1%	0	69,861	107,171	5.8%	20	1,164,975	675,354	63.3%	447	41,705	26,423	15,281	36.6%	0	0	0	0.0%	0	0	15,281	26,423	36.6%
139-06	3	307, 308	Androscoggin	M	1,895,894	679,304	1,216,590	64.2%	0	78,543	115,852	6.1%	20	1,100,737	795,156	58.1%	1,243	49,793	24,449	25,345	50.9%	0	5,906	16,612	33.4%	0	0	8,733	41,061	17.5%

Exhibit 7-6 USACE Vernal Pool Table

					Existing Condition in Vernal Pool Habitat (750')				Proposed Activity in Vernal Pool Habitat (750')					Vernal Pool Habitat (750')			Existing Conditions in Vernal Pool Depression and 100' Envelope					Proposed Activity in Vernal Pool Depression and 100' Envelope						Pool Depression and 100' Envelope		
Vernal Pool ID	Segment #	NRM #	COUNTY	Value (High, Medium, Low, No Compensation)	Total VP Habitat Area (sq ft)	Existing Non-Forested (sq ft)	Existing Forested (sq ft)	Existing Percent Forested	Proposed Wetland Clearing (sq ft)	Proposed Upland Clearing (sq ft)	Total Proposed Forest Clearing (sq ft)	Proposed Percent Additional Clearing	Direct Impact to VP Habitat (sq ft)	Proposed Forested (sq ft)	Proposed Non-Forested (sq ft)	Proposed Percent Forested	Pool Size (sq ft)	Total Habitat Area (sq ft)	Existing Non-Forested (sq ft)	Existing Forested (sq ft)	Existing Percent Forested	Proposed Wetland Clearing (sq ft)	Proposed Upland Clearing (sq ft)	Total Proposed Forest Clearing (sq ft)	Percent Forested	Pool Depression Direct Impact (sq ft)	Proposed Fill Envelope (sq ft)	Proposed Forested Conditions (sq ft)	Proposed Non-Forested Conditions (sq ft)	Proposed Percent Forested Condition
139-07	3	308	Androscoggin	M	1,990,551	824,693	1,165,858	58.6%	0	86,026	120,366	6.0%	20	1,045,493	945,058	52.5%	2,977	63,925	34,107	29,818	46.6%	0	4,663	21,085	33.0%	0	0	8,733	55,192	13.7%
139-08	3	308	Androscoggin	M	1,874,047	786,154	1,087,893	58.1%	0	77,111	111,451	5.9%	20	976,442	897,605	52.1%	886	46,581	43,104	3,477	7.5%	0	0	0	0.0%	0	0	3,477	43,104	7.5%
139-09	3	308	Androscoggin	M	2,121,216	971,793	1,149,422	54.2%	0	87,898	119,753	5.6%	20	1,029,670	1,091,546	48.5%	13,623	90,820	87,907	2,913	3.2%	0	323	323	0.4%	0	0	2,590	88,230	2.9%
140-01	3	309, 310	Androscoggin	NC	1,780,275	366,274	1,414,001	79.4%	0	9,822	10,858	0.6%	6	1,403,143	377,132	78.8%	28	33,308	12,764	20,544	61.7%	0	0	0	0.0%	0	0	20,544	12,764	61.7%
140-02	3	309, 310	Androscoggin	NC	1,870,016	365,021	1,504,995	80.5%	0	9,336	10,372	0.6%	7	1,494,622	375,394	79.9%	1,026	46,164	9,888	36,277	78.6%	0	0	0	0.0%	0	0	36,277	9,888	78.6%
140-03	3	310	Androscoggin	NC	1,813,495	506,027	1,307,468	72.1%	0	0	0	0.0%	7	1,307,468	506,027	72.1%	312	37,984	15,812	22,172	58.4%	0	0	0	0.0%	0	0	22,172	15,812	58.4%
140-04	3	311	Androscoggin	H	2,235,993	356,278	1,879,715	84.1%	0	0	12,647	0.6%	7	1,867,067	368,925	83.5%	16,947	110,905	19,616	91,289	82.3%	0	0	0	0.0%	0	20	91,289	19,616	82.3%
140-05	3	311	Androscoggin	NC	2,005,351	354,847	1,650,504	82.3%	0	0	17,583	0.9%	7	1,632,921	372,430	81.4%	4,932	67,593	47,338	20,254	30.0%	0	0	0	0.0%	0	7	20,254	47,338	30.0%
140-06	3	311	Androscoggin	H	1,912,818	344,341	1,568,477	82.0%	0	285	37,479	2.0%	7	1,530,998	381,820	80.0%	2,061	52,767	11,089	41,678	79.0%	0	0	2,099	4.0%	0	64	39,579	13,188	75.0%
140-07	3	311	Androscoggin	NC	1,789,735	337,263	1,452,472	81.2%	0	285	43,924	2.5%	20	1,408,548	381,186	78.7%	78	34,613	19,234	15,378	44.4%	0	0	4,851	14.0%	0	0	10,527	24,085	30.4%
140-08	3	311	Androscoggin	NC	1,789,735	339,937	1,449,798	81.0%	0	285	53,338	3.0%	7	1,396,460	393,275	78.0%	78	34,613	20,384	14,229	41.1%	0	0	7,154	20.7%	0	0	7,074	27,539	20.4%
140-09	3	311	Androscoggin	NC	1,789,735	340,880	1,448,854	81.0%	0	285	56,133	3.1%	7	1,392,721	397,013	77.8%	78	34,613	21,683	12,930	37.4%	0	0	7,582	21.9%	0	0	5,348	29,265	15.4%
140-10	3	311	Androscoggin	NC	1,780,273	341,083	1,439,190	80.8%	0	285	52,030	2.9%	7	1,387,160	393,113	77.9%	28	33,308	33,294	14	0.0%	0	0	0	0.0%	0	0	14	33,294	0.0%
140-11	3	311	Androscoggin	NC	1,975,753	342,271	1,633,482	82.7%	0	14,129	73,726	3.7%	9	1,559,755	415,998	78.9%	3,486	62,571	5,099	57,472	91.9%	0	0	10,600	16.9%	0	0	46,872	15,699	74.9%
140-12	3	311	Androscoggin	H	1,923,571	362,551	1,561,020	81.2%	0	25,682	85,279	4.4%	7	1,475,741	447,830	76.7%	1,554	53,762	31,997	21,765	40.5%	0	273	18,281	34.0%	0	166	3,485	50,278	6.5%
140-13	3	311	Androscoggin	NC	1,780,274	344,313	1,435,961	80.7%	0	20,353	79,950	4.5%	9	1,356,011	424,263	76.2%	28	33,308	26,888	6,420	19.3%	0	0	6,420	19.3%	0	7	0	33,308	0.0%
141-01	3	311	Androscoggin	H	1,777,913	343,865	1,434,048	80.7%	0	32,429	92,026	5.2%	7	1,342,022	435,891	75.5%	20	32,986	23,630	9,356	28.4%	0	0	9,131	27.7%	0	159	224	32,761	0.7%
141-02	3	311, 312	Androscoggin	H	1,801,595	347,524	1,454,071	80.7%	0	51,944	104,507	5.8%	9	1,349,564	452,032	74.9%	176	36,279	27,509	8,770	24.2%	0	482	8,335	23.0%	0	9	435	35,844	1.2%
141-03	3	311, 312	Androscoggin	H	1,837,411	351,488	1,485,924	80.9%	0	62,951	109,549	6.0%	9	1,376,375	461,036	74.9%	703	41,511	26,844	14,667	35.3%	0	11,268	12,929	31.1%	0	0	1,738	39,773	4.2%
141-04	3	312	Androscoggin	H	1,777,913	355,500	1,422,414	80.0%	0	100,103	108,393	6.1%	9	1,314,021	463,892	73.9%	20	32,986	32,960	26	0.1%	0	0	0	0.0%	0	9	26	32,960	0.1%
141-05	3	312	Androscoggin	H	1,780,273	435,880	1,344,393	75.5%	0	91,490	107,862	6.1%	20	1,236,531	543,742	69.5%	28	33,308	32,504	804	2.4%	0	0	0	0.0%	0	0	804	32,504	2.4%
141-06	3	312	Androscoggin	H	1,780,274	349,843	1,430,431	80.3%	0	94,335	110,707	6.2%	20	1,319,723	460,550	74.1%	28	33,308	22,756	10,552	31.7%	0	4,627	7,658	23.0%	0	0	2,894	30,414	8.7%
141-07	3	312	Androscoggin	H	1,777,913	349,632	1,428,281	80.3%	0	94,266	110,638	6.2%	20	1,317,643	460,270	74.1%	20	32,986	22,939	10,047	30.5%	0	2,591	7,147	21.7%	0	0	2,900	30,086	8.8%
142-01	3	315	Androscoggin	H	1,780,274	429,433	1,350,841	75.9%	0	54,810	105,254	5.9%	20	1,245,587	534,687	70.0%	28	33,308	33,290	18	0.1%	0	0	0	0.0%	0	0	18	33,290	0.1%
142-02	3	315	Androscoggin	H	1,780,273	428,801	1,351,471	75.9%	0	52,709	105,635	5.9%	20	1,245,837	534,436	70.0%	28	33,308	32,442	866	2.6%	0	0	0	0.0%	0	0	866	32,442	2.6%
142-03	3	315	Androscoggin	H	1,780,274	426,610	1,353,664	76.0%	0	53,423	106,468	6.0%	20	1,247,196	533,078	70.1%	28	33,308	27,981	5,327	16.0%	0	0	2,415	7.2%	0	0	2,912	30,396	8.7%
142-04	3	315, 316	Androscoggin	H	1,780,273	386,798	1,393,475	78.3%	0	45,489	106,037	6.0%	20	1,287,438	492,835	72.3%	28	33,308	32,918	390	1.2%	0	0	0	0.0%	0	0	390	32,918	1.2%
142-05	3	315, 316	Androscoggin	H	1,780,275	366,205	1,414,070	79.4%	0	39,003	110,625	6.2%	20	1,303,445	476,830	73.2%	28	33,308	32,959	349	1.0%	0	0	0	0.0%	0	0	349	32,959	1.0%
143-01	3	316	Androscoggin	NC	1,780,275	340,075	1,440,201	80.9%	0	20,444	109,548	6.2%	20	1,330,653	449,623	74.7%	28	33,308	32,260	1,048	3.1%	0	0	0	0.0%	0	0	1,048	32,260	3.1%
143-02	3	316, 317	Androscoggin	M	1,780,275	527,222	1,253,053	70.4%	1,015	84,684	106,527	6.0%	20	1,146,526	633,749	64.4%	28	33,308	21,872	11,436	34.3%	0	0	0	0.0%	0	0	11,436	21,872	34.3%
143-03	3	317	Androscoggin	M	1,911,569	489,440	1,422,129	74.4%	17,648	84,068	117,457	6.1%	20	1,304,673	606,897	68.3%	1,657	52,250	6,768	45,482	87.0%	0	8,698	19,218	36.8%	0	0	26,264	25,986	50.3%
143-04	3	317	Androscoggin	L	1,780,273	657,351	1,122,923	63.1%	35,170	67,090	102,260	5.7%	20	1,020,662	759,611	57.3%	28	33,308	20,766	12,542	37.7%	2,883	6,449	9,331	28.0%	0	0	3,211	30,097	9.6%
143-05	3	317	Androscoggin	L	1,780,272	678,968	1,101,304	61.9%	34,204	64,654	98,857	5.6%	20	1,002,446	777,826	56.3%	28	33,308	33,234	74	0.2%	0	0	0	0.0%	0	0	74	33,234	0.2%
143-06	3	317	Androscoggin	M	1,780,275	589,532	1,190,743	66.9%	35,170	70,185	105,356	5.9%	20	1,085,387	694,888	61.0%	28	33,308	775	32,533	97.7%	12,490	808	13,298	39.9%	0	0	19,235	14,074	57.7%
144-01	3	320	Androscoggin	H	1,780,275	374,940	1,405,336	78.9%	674	478,052	572,263	32.1%	28	833,073	947,203	46.8%	28	33,308	20,064	13,244	39.8%	0	9,775	13,020	39.1%	28	31,426	224	33,084	0.7%
144-02	3	320	Androscoggin	NC	1,780,274	566,145	1,214,129	68.2%	1,341	136,488	138,685	7.8%	20	1,075,444	704,830	60.4%	28	33,308	28,461	4,847	14.6%	0	2,581	2,581	7.7%	0	0	2,267	31,041	6.8%
145-01	3	320	Androscoggin	H	1,905,414	472,456	1,432,958	75.2%	674	86,579	218,201	11.5%	28,159	1,214,757	690,657	63.8%	1,704	51,478	1,556	49,922	97.0%	0	10,519	22,449	43.6%	0	2,936	27,473	24,005	53.4%
145-02	3	321	Androscoggin	L	1,780,272	305,662	1,474,610	82.8%	0	19,700	134,954	7.6%	14,624	1,339,655	440,617	75.3%	28	33,308	20,717	12,591	37.8%	0	0	0	0.0%	0	0	12,591	20,717	37.8%
145-03	3	321	Androscoggin	M	1,941,100	523,723	1,417,376	73.0%	0	25,222	108,679	5.6%	26	1,308,697	632,403	67.4%	2,805	57,698	3,611	54,086	93.7%	0	2,695	20,270	35.1%	0	0	33,816	23,881	58.6%
145-04	3	321	Androscoggin	H	2,094,838	441,060	1,653,778	78.9%	0	25,222	112,553	5.4%	26	1,541,225	553,613	73.6%	4,345	79,017	50,454	28,563	36.1%	0	0	0	0.0%	0	0	28,563	50,454	36.1%
145-05	3	321	Androscoggin	M	1,853,882	536,764	1,317,118	71.0%	0	25,222	100,559	5.4%	26	1,216,560	637,323	65.6%	614	43,655	0	43,655	100.0%	0	0	16,186	37.1%	0	0	27,469	16,186	62.9%
145-06	3	321	Androscoggin	M	2,025,392	631,069	1,394,323	68.8%	0	34,562	93,199	4.6%	26	1,301,124	724,268	64.2%	3,658	69,501	8,039	61,461	88.4%	0	6,598	18,910	27.2%	0	26	42,551	26,950	61.2%
145-07	3	321	Androscoggin	M	1,780,274	509,200	1,271,073	71.4%	0	31,723	89,749	5.0%	26	1,181,325	598,949	66.4%	28	33,308	27,037	6,271	18.8%	0	0	0	0.0%	0	0	6,271	27,037	18.8%
146-01	4	327	Androscoggin	NC	1,893,822	1,188,665	705,157	37.2%	0	0	0	0.0%	13	705,157	1,188,665	37.2%	934	49,275	26,544	22,731	46.1%	0	0	0	0.0%	0	0	22,731	26,544	46.1%
146-02	4	327	Androscoggin	NC	1,805,830	1,142,864	662,965	36.7%	0	0	0	0.0%	13	662,965	1,142,864	36.7%	90	36,795	18,250	18,545	50.4%	0	0	0	0.0%	0	0	18,545	18,250	50.4%
146-03	3	326	Androscoggin	NC	1,934,908	1,435,696	499,213	25.8%	0	0	0	0.0%	13	499,213	1,435,696	25.8%	1,140	54,913	54,913	0	0.0%	0	0	0	0.0%	0	0	0	54,913	0.0%
146-04	3	326, 327	Androscoggin	M	2,143,069	1,137,977	1,005,092	46.9%	0	0	0	0.0%	13	1,005,092	1,137,977	46.9%	8,971	91,405	79,735	11,670	12.8%	0	0	0	0.0%	0	13	11,670	79,735	12.8%
146-05	3	326	Androscoggin	NC	1,847,283	1,160,563	686,720	37.2%	0	0	0	0.0%	0	686,720	1,160,563	37.2%	655	42,813	42,813	0	0.0%	0	0	0	0.0%	0	0	0	42,813	0.0%
146-06	3	326	Androscoggin	NC	1,789,706	891,117	898,589	50.2%	0	0	0	0.0%	0	898,589	891,117	50.2%	78	34,613	32,912	1,701	4.9%	0	0	0	0.0%	0	0	1,701	32,912	4.9%

Exhibit 7-6 USACE Vernal Pool Table

					Existing Condition in Vernal Pool Habitat (750')				Proposed Activity in Vernal Pool Habitat (750')					Vernal Pool Habitat (750')			Existing Conditions in Vernal Pool Depression and 100' Envelope					Proposed Activity in Vernal Pool Depression and 100' Envelope						Pool Depression and 100' Envelope		
Vernal Pool ID	Segment #	NRM #	COUNTY	Value (High, Medium, Low, No Compensation)	Total VP Habitat Area (sq ft)	Existing Non-Forested (sq ft)	Existing Forested (sq ft)	Existing Percent Forested	Proposed Wetland Clearing (sq ft)	Proposed Upland Clearing (sq ft)	Total Proposed Forest Clearing (sq ft)	Proposed Percent Additional Clearing	Direct Impact to VP Habitat (sq ft)	Proposed Forested (sq ft)	Proposed Non-Forested (sq ft)	Proposed Percent Forested	Pool Size (sq ft)	Total Habitat Area (sq ft)	Existing Non-Forested (sq ft)	Existing Forested (sq ft)	Existing Percent Forested	Proposed Wetland Clearing (sq ft)	Proposed Upland Clearing (sq ft)	Total Proposed Forest Clearing (sq ft)	Percent Forested	Pool Depression Direct Impact (sq ft)	Proposed Fill Envelope (sq ft)	Proposed Forested Conditions (sq ft)	Proposed Non-Forested Conditions (sq ft)	Proposed Percent Forested Condition
147-01	4	328	Androscoggin	M	1,892,735	611,360	1,281,375	67.7%	0	0	0	0.0%	13	1,281,375	611,360	67.7%	1,043	49,208	44,362	4,846	9.8%	0	0	0	0.0%	0	13	4,846	44,362	9.8%
147-02	4	328	Androscoggin	M	2,278,665	733,239	1,545,426	67.8%	0	0	0	0.0%	13	1,545,426	733,239	67.8%	4,778	104,934	88,501	16,433	15.7%	0	0	0	0.0%	0	25	16,433	88,501	15.7%
147-03	4	328	Androscoggin	NC	2,233,044	632,459	1,600,585	71.7%	0	0	0	0.0%	13	1,600,585	632,459	71.7%	6,522	100,101	78,242	21,858	21.8%	0	0	0	0.0%	0	0	21,858	78,242	21.8%
147-04	4	330	Androscoggin	NC	1,808,807	583,592	1,225,214	67.7%	0	0	0	0.0%	13	1,225,214	583,592	67.7%	151	37,244	18,705	18,540	49.8%	0	0	0	0.0%	0	0	18,540	18,705	49.8%
147-05	4	330	Androscoggin	NC	1,861,541	604,772	1,256,769	67.5%	0	0	0	0.0%	13	1,256,769	604,772	67.5%	754	44,871	30,868	14,003	31.2%	0	0	0	0.0%	0	0	14,003	30,868	31.2%
147-06	4	330	Androscoggin	NC	1,794,557	610,867	1,183,690	66.0%	0	0	0	0.0%	13	1,183,690	610,867	66.0%	74	35,277	29,177	6,101	17.3%	0	0	0	0.0%	0	0	6,101	29,177	17.3%
147-07	4	328	Androscoggin	NC	1,864,552	681,785	1,182,767	63.4%	0	0	0	0.0%	13	1,182,767	681,785	63.4%	894	45,322	45,322	0	0.0%	0	0	0	0.0%	0	0	0	45,322	0.0%
147-08	4	329	Androscoggin	NC	1,933,137	495,412	1,437,725	74.4%	0	0	0	0.0%	13	1,437,725	495,412	74.4%	3,363	56,610	56,610	0	0.0%	0	0	0	0.0%	0	0	0	56,610	0.0%
147-09	4	330	Androscoggin	M	2,183,643	699,931	1,483,712	67.9%	0	0	0	0.0%	13	1,483,712	699,931	67.9%	11,829	101,493	79,405	22,088	21.8%	0	0	0	0.0%	0	13	22,088	79,405	21.8%
148-01	4	331	Androscoggin	NC	1,890,172	693,507	1,196,665	63.3%	0	0	0	0.0%	13	1,196,665	693,507	63.3%	1,112	48,924	34,534	14,390	29.4%	0	0	0	0.0%	0	0	14,390	34,534	29.4%
148-02	4	331, 332	Androscoggin	NC	1,925,279	469,552	1,455,727	75.6%	0	0	0	0.0%	14	1,455,727	469,552	75.6%	1,519	53,963	32,911	21,052	39.0%	0	0	0	0.0%	0	0	21,052	32,911	39.0%
148-03	4	331, 332	Androscoggin	NC	2,002,579	500,924	1,501,655	75.0%	0	0	0	0.0%	14	1,501,655	500,924	75.0%	1,519	64,518	61,435	3,083	4.8%	0	0	0	0.0%	0	0	3,083	61,435	4.8%
148-04	4	331, 332	Androscoggin	NC	1,869,367	476,699	1,392,669	74.5%	0	0	0	0.0%	14	1,392,669	476,699	74.5%	595	45,702	45,702	0	0.0%	0	0	0	0.0%	0	0	0	45,702	0.0%
148-05	4	331, 332	Androscoggin	M	1,970,429	521,530	1,448,899	73.5%	0	0	0	0.0%	13	1,448,899	521,530	73.5%	2,052	60,570	60,095	476	0.8%	0	0	0	0.0%	0	14	476	60,095	0.8%
148-06	4	331	Androscoggin	NC	2,030,180	750,471	1,279,709	63.0%	0	0	0	0.0%	13	1,279,709	750,471	63.0%	7,831	73,840	70,067	3,773	5.1%	0	0	0	0.0%	0	0	3,773	70,067	5.1%
148-07	4	332	Androscoggin	NC	1,873,282	473,951	1,399,331	74.7%	0	0	0	0.0%	13	1,399,331	473,951	74.7%	1,254	46,861	45,967	895	1.9%	0	0	0	0.0%	0	0	895	45,967	1.9%
149-01	4	334	Androscoggin	NC	1,986,713	957,410	1,029,302	51.8%	0	0	0	0.0%	13	1,029,302	957,410	51.8%	4,186	64,622	63,304	1,318	2.0%	0	0	0	0.0%	0	0	1,318	63,304	2.0%
149-02	4	333	Androscoggin	M	1,797,422	990,220	807,202	44.9%	0	0	0	0.0%	13	807,202	990,220	44.9%	87	35,671	35,671	0	0.0%	0	0	0	0.0%	1	13	0	35,671	0.0%
149-03	4	333	Androscoggin	NC	1,836,633	1,198,764	637,869	34.7%	0	0	0	0.0%	13	637,869	1,198,764	34.7%	532	41,285	41,285	0	0.0%	0	0	0	0.0%	0	0	0	41,285	0.0%
149-04	4	333	Androscoggin	NC	2,085,387	1,376,622	708,765	34.0%	0	0	0	0.0%	13	708,765	1,376,622	34.0%	9,899	83,084	61,676	21,408	25.8%	0	0	0	0.0%	0	0	21,408	61,676	25.8%
150-01	4	335	Androscoggin	NC	1,871,288	855,311	1,015,977	54.3%	0	0	0	0.0%	11	1,015,977	855,311	54.3%	1,220	46,498	38,595	7,904	17.0%	0	0	0	0.0%	0	0	7,904	38,595	17.0%
150-02	4	335	Androscoggin	NC	1,816,966	767,601	1,049,365	57.8%	0	0	0	0.0%	13	1,049,365	767,601	57.8%	133	38,317	33,417	4,899	12.8%	0	0	0	0.0%	0	0	4,899	33,417	12.8%
150-03	4	335	Androscoggin	NC	2,008,993	734,085	1,274,908	63.5%	0	0	0	0.0%	13	1,274,908	734,085	63.5%	1,312	65,213	50,349	14,864	22.8%	0	0	0	0.0%	0	0	14,864	50,349	22.8%
150-04	4	335	Androscoggin	NC	1,830,536	693,289	1,137,247	62.1%	0	0	0	0.0%	13	1,137,247	693,289	62.1%	297	40,311	40,311	0	0.0%	0	0	0	0.0%	0	0	0	40,311	0.0%
150-05	4	335	Androscoggin	NC	1,833,416	669,475	1,163,942	63.5%	0	0	0	0.0%	13	1,163,942	669,475	63.5%	362	40,710	37,718	2,992	7.3%	0	0	0	0.0%	0	0	2,992	37,718	7.3%
15-1	1	35	Somerset	NC	1,848,587	30,300	1,818,287	98.4%	0	42,592	42,592	2.3%	20	1,775,695	72,892	96.1%	676	43,062	0	43,062	100.0%	0	0	0	0.0%	0	0	43,062	0	100.0%
151-01	4	338	Androscoggin	NC	1,855,719	793,959	1,061,760	57.2%	0	0	0	0.0%	13	1,061,760	793,959	57.2%	863	44,126	29,945	14,181	32.1%	0	0	0	0.0%	0	0	14,181	29,945	32.1%
151-02	4	338	Androscoggin	NC	1,803,779	776,675	1,027,104	56.9%	0	0	0	0.0%	13	1,027,104	776,675	56.9%	132	36,557	34,932	1,625	4.4%	0	0	0	0.0%	0	0	1,625	34,932	4.4%
151-03	4	338	Androscoggin	NC	1,885,776	832,680	1,053,096	55.8%	0	0	0	0.0%	13	1,053,096	832,680	55.8%	859	48,139	45,148	2,990	6.2%	0	0	0	0.0%	0	0	2,990	45,148	6.2%
151-04	4	337	Androscoggin	NC	1,888,088	805,477	1,082,611	57.3%	0	0	0	0.0%	13	1,082,611	805,477	57.3%	1,036	48,919	42,866	6,053	12.4%	0	0	0	0.0%	0	13	6,053	42,866	12.4%
152-01	4	341	Androscoggin	NC	2,017,275	1,064,916	952,359	47.2%	0	0	0	0.0%	3	952,359	1,064,916	47.2%	4,812	70,556	62,850	7,706	10.9%	0	0	0	0.0%	0	13	7,706	62,850	10.9%
153-01	4	342	Androscoggin	NC	1,831,539	684,423	1,147,116	62.6%	0	0	0	0.0%	13	1,147,116	684,423	62.6%	242	40,391	40,391	0	0.0%	0	0	0	0.0%	0	13	0	40,391	0.0%
155-01	4	346	Androscoggin	NC	1,858,740	870,169	988,572	53.2%	0	0	0	0.0%	13	988,572	870,169	53.2%	903	44,552	29,955	14,597	32.8%	0	0	0	0.0%	0	0	14,597	29,955	32.8%
155-02	4	347, 348	Androscoggin	NC	1,830,979	1,021,290	809,690	44.2%	0	0	0	0.0%	13	809,690	1,021,290	44.2%	337	40,363	22,506	17,857	44.2%	0	0	0	0.0%	0	0	17,857	22,506	44.2%
155-03	4	347, 348	Androscoggin	M	2,093,617	1,134,754	958,863	45.8%	0	0	0	0.0%	13	958,863	1,134,754	45.8%	2,458	77,220	55,031	22,189	28.7%	0	0	0	0.0%	0	14	22,189	55,031	28.7%
155-04	4	347	Androscoggin	NC	1,900,933	1,097,768	803,165	42.3%	0	0	0	0.0%	80	803,165	1,097,768	42.3%	856	50,138	35,246	14,893	29.7%	0	0	0	0.0%	0	0	14,893	35,246	29.7%
155-05	4	347	Androscoggin	NC	2,138,664	1,347,490	791,174	37.0%	0	0	0	0.0%	80	791,174	1,347,490	37.0%	4,614	85,126	82,149	2,977	3.5%	0	0	0	0.0%	0	0	2,977	82,149	3.5%
155-06	4	346	Androscoggin	M	2,312,732	1,440,993	871,739	37.7%	0	0	0	0.0%	13	871,739	1,440,993	37.7%	9,855	112,847	111,098	1,749	1.5%	0	0	0	0.0%	0	0	1,749	111,098	1.5%
156-01	4	349	Androscoggin	M	1,819,788	725,043	1,094,745	60.2%	0	0	0	0.0%	13	1,094,745	725,043	60.2%	172	38,726	38,726	0	0.0%	0	0	0	0.0%	0	13	0	38,726	0.0%
156-02	4	349	Androscoggin	NC	1,817,610	699,130	1,118,480	61.5%	0	0	0	0.0%	13	1,118,480	699,130	61.5%	223	38,481	37,330	1,151	3.0%	0	0	0	0.0%	0	0	1,151	37,330	3.0%
156-03	4	349	Androscoggin	M	1,925,965	788,045	1,137,920	59.1%	0	0	0	0.0%	13	1,137,920	788,045	59.1%	1,590	54,455	54,455	0	0.0%	0	0	0	0.0%	0	13	0	54,455	0.0%
156-04	4	350	Androscoggin	NC	1,914,310	630,628	1,283,682	67.1%	0	0	0	0.0%	13	1,283,682	630,628	67.1%	2,073	52,983	33,443	19,540	36.9%	0	0	0	0.0%	0	0	19,540	33,443	36.9%
157-01	4	351	Androscoggin	NC	1,888,247	1,290,186	598,061	31.7%	0	0	0	0.0%	13	598,061	1,290,186	31.7%	324	48,473	48,473	0	0.0%	0	0	0	0.0%	0	0	0	48,473	0.0%
157-02	4	351, 352	Androscoggin	NC	1,881,148	975,461	905,687	48.1%	0	0	0	0.0%	13	905,687	975,461	48.1%	851	47,707	47,707	0	0.0%	0	0	0	0.0%	0	0	0	47,707	0.0%
157-03	4	351, 352	Androscoggin	M	2,020,344	1,127,639	892,705	44.2%	0	0	0	0.0%	13	892,705	1,127,639	44.2%	1,730	66,817	66,817	0	0.0%	0	0	0	0.0%	0	25	0	66,817	0.0%
157-04	4	351	Androscoggin	NC	2,423,565	1,366,745	1,056,820	43.6%	0	0	0	0.0%	13	1,056,820	1,366,745	43.6%	5,376	126,213	115,893	10,320	8.2%	0	0	0	0.0%	0	0	10,320	115,893	8.2%
157-05	4	351, 352	Androscoggin	NC	2,599,590	1,324,085	1,275,505	49.1%	0	0	0	0.0%	13	1,275,505	1,324,085	49.1%	12,978	170,438	110,101	60,337	35.4%	0	0	0	0.0%	0	0	60,337	110,101	35.4%
158-01	4	352, 353	Androscoggin	NC	2,291,627	730,215	1,561,412	68.1%	0	0	0	0.0%	13	1,561,412	730,215	68.1%	7,414	112,993	79,868	33,125	29.3%	0	0	0	0.0%	0	13	33,125	79,868	29.3%
158-02	4	352	Androscoggin	NC	1,843,813	592,284	1,251,529	67.9%	0	0	0	0.0%	13	1,251,529	592,284	67.9%	568	42,273	18,442	23,831	56.4%	0	0	0	0.0%	0	0	23,831	18,442	56.4%
159-01	4	356, 357	Androscoggin	NC	2,058,245	671,544	1,386,701	67.4%	0	0	0	0.0%	13	1,386,701	671,544	67.4%	8,609	77,832	50,101	27,731	35.6%	0	0	0	0.0%	0	13	27,731	50,101	35.6%
159-02	4	356, 357	Androscoggin	NC	1,993,456	691,004	1,302,453	65.3%	0	0	0	0.0%	13	1,302,453	691,004	65.3%	2,978	64,315	47,066	17,249	26.8%	0	0	0	0.0%	0	0	17,249	47,066	26.8%
159-03	4	357	Androscoggin	NC	1,967,810	832,115	1,135,695	57.7%	0	0	0	0.0%	13	1,135,695	832,115	57.7%	3,494	61,343	43,134	18,208	29.7%	0	0	0	0.0%	0	0	18,208	43,134	29.7%
159-04	4	355	Androscoggin	NC	1,834,190	965,721	868,470	47.3%	0	0	0	0.0%	13	868,470	965,721	47.3%	251	40,715	40,715	0	0.0%	0	0	0	0.0%	0	0	0	40,715	0.0%
159-05	4	356	Androscoggin	NC	1,869,884	883,226	986,657	52.8%	0	0	0	0.0%	13	986,657	883,226	52.8%	812	45,960	36,447	9,514	20.7%	0	0	0	0.0%	0	0	9,514	36,447	20.7%
160-01	4	357	Androscoggin	NC	2,035,053	1,013,925	1,021,128	50.2%	0	0	0	0.0%	13	1,021,128	1,013,925	50.2%	2,579	69,890	65,973	3,918	5.6%	0	0	0	0.0%	0	0	3,918	65,973	5.6%
160-02	4	357	Androscoggin	M	1,780,694	1,041,044	739,650	41.5%	0	0	0	0.0%	13	739,650	1,041,044	41.5%	28	33,317	24,956	8,362	25.1%	0	0	0	0.0%	0	13	8,362	24,956	25.1%
160-03	4	357	Androscoggin	NC	1,780,694	1,051,034	729,661	41.0%	0	0	0	0.0%	13	729,661	1,051,034	41.0%	28	33,317	33,317	0	0.0%	0	0	0	0.0%	0	0	0	33,317	0.0%
16-1	1	37	Somerset	NC	1,817,004	62,260	1,754,745	96.6%	0	30,813	38,462	2.1%	80	1,716,283	100,721	94.5%	255	38,428	4,884	33,544	87.3%	0	0	3,093	8.0%	0	0	30,451	7,977	79.2%
161-01	4	361	Cumberland	NC	1,780,694	1,698,975	81,720	4.6%	0	0	0	0.0%	14	81,720	1,698,975	4.6%	28	33,317	33,317	0	0.0%	0	0	0	0.0%	0	0	0	33,317	0.0%
161-02	4	361	Cumberland	M	1,780,693	1,591,314	189,380	10.6%	0	4,723	4,916	0.3%	31	184,464	1,596,230	10.4%	28	33,317	33,317	0	0.0%	0	0	0	0.0%	0	0	0	33,317	0.0%
161-03	4	361	Cumberland	M	1,780,694	1,548,939	231,755	13.0%	0	12,380	13,285	0.7%	560	218,471	1,562,223	12.3%	28	33,317	33,317	0	0.0%	0	0	0	0.0%	0	0	0	33,317	0.0%
161-04	4	359	Cumberland	NC	1,780,694	1,041,550	739,145	41.5%	0	0	0	0.0%	13	739,145	1,041,550	41.5%	28	33,317	26,351	6,967	20.9%	0	0	0	0.0%	0	0	6,967	26,351	20.9%
161-05	4	359	Cumberland	NC	1,780,693	1,083,056	697,638	39.2%	0	0	0	0.0%	13	697,638	1,083,056	39.2%	28	33,317	25,417	7,900	23.7%	0	0	0	0.0%	0	0	7,900	25,417	23.7%
161-06	4	360	Cumberland	NC	1,828,490	642,343	1,186,147	64.9%	0	0	0	0.0%	13	1,186,147	642,343	64.9%	360	40,050	29,005	11,045	27.6%	0	0	0	0.0%	0	0	11,045	29,005	27.6%
161-07	4	360	Cumberland	NC	1,780,694	603,189	1,177,506	66.1%	0	0	0	0.0%	14	1,177,506	603,189	66.1%	28	33,317	33,317	0	0.0%	0	0	0	0.0%	0	0	0	33,317	0.0%
161-08	4	360, 361	Cumberland	M	1,780,696	1,017,951	762,745	42.8%	0	25,890	26,727	1.5%	14	736,017	1,044,678	41.3%	28	33,317	20,608	12,709	38.1%	0	0	0	0.0%	0	13	12,709	20,608	38.1%
161-09	4	361	Cumberland	M	1,780,694	1,177,151	603,542	33.9%	0	39,994	41,186	2.3%	9,991	562,357	1,218,337	31.6%	28	33,317	24,899	8,418	25.3%	0	0	0	0.0%	0	0	8,418	24,899	25.3%
161-10	4	361	Cumberland	M	1,780,695	1,505,602	275,093	15.4%	0	60,039	61,231	3.4%	26	213,862	1,566,833	12.0%	28	33,317	29,266	4,051	12.2%	0	3,213	4,051	12.2%	28	33,317	0	33,317	0.0%
161-11	4	359	Cumberland	NC	1,823,108	1,012,119	810,989	44.5%	0	0	0	0.0%	13	810,989	1,012,119	44.5%	403	39,366	39,366	0	0.0%	0	0	0	0.0%	0	0	0	39,366	0.0%
161-12	4	359, 360	Cumberland	NC	1,780,695	629,774	1,150,921	64.6%	0	0	0	0.0%	13	1,150,921	629,774	64.6%	28	33,317	29,447	3,870	11.6%	0	0	0	0.0%	0	0	3,870	29,447	11.6%
161-13	4	360	Cumberland	NC	1,780,694	594,422	1,186,272	66.6%	0	0	0	0.0%	13	1,186,272	594,422	66.6%	28	33,317	33,317	0	0.0%	0	0	0	0.0%	0	0	0	33,317	0.0%
161-14	4	360	Cumberland	NC	1,802,019	595,229	1,206,790	67.0%	0	0	0	0.0%	13	1,206,790	595,229	67.0%	95	36,292	36,172	120	0.3%	0	0	0	0.0%	0	0	120	36,172	0.3%
161-15	4	360	Cumberland	NC	1,780,693	589,300	1,191,393	66.9%	0	0	0	0.0%	14	1,191,393	589,300	66.9%	28	33,317	21,608	11,709	35.1%	0	0	0	0.0%	0	0	11,709	21,608	35.1%

Exhibit 7-6 USACE Vernal Pool Table

					Existing Condition in Vernal Pool Habitat (750')				Proposed Activity in Vernal Pool Habitat (750')					Vernal Pool Habitat (750')			Existing Conditions in Vernal Pool Depression and 100' Envelope					Proposed Activity in Vernal Pool Depression and 100' Envelope						Pool Depression and 100' Envelope		
Vernal Pool ID	Segment #	NRM #	COUNTY	Value (High, Medium, Low, No Compensation)	Total VP Habitat Area (sq ft)	Existing Non-Forested (sq ft)	Existing Forested (sq ft)	Existing Percent Forested	Proposed Wetland Clearing (sq ft)	Proposed Upland Clearing (sq ft)	Total Proposed Forest Clearing (sq ft)	Proposed Percent Additional Clearing	Direct Impact to VP Habitat (sq ft)	Proposed Forested (sq ft)	Proposed Non-Forested (sq ft)	Proposed Percent Forested	Pool Size (sq ft)	Total Habitat Area (sq ft)	Existing Non-Forested (sq ft)	Existing Forested (sq ft)	Existing Percent Forested	Proposed Wetland Clearing (sq ft)	Proposed Upland Clearing (sq ft)	Total Proposed Forest Clearing (sq ft)	Percent Forested	Pool Depression Direct Impact (sq ft)	Proposed Fill Envelope (sq ft)	Proposed Forested Conditions (sq ft)	Proposed Non-Forested Conditions (sq ft)	Proposed Percent Forested Condition
161-16	4	361	Cumberland	M	1,780,697	1,481,545	299,152	16.8%	0	55,133	56,217	3.2%	6,691	242,934	1,537,762	13.6%	28	33,317	33,317	0	0.0%	0	0	0	0.0%	0	0	0	33,317	0.0%
161-17	4	361	Cumberland	M	1,780,693	1,464,695	315,999	17.7%	0	48,931	49,835	2.8%	17,516	266,163	1,514,530	14.9%	28	33,317	33,317	0	0.0%	0	0	0	0.0%	0	0	0	33,317	0.0%
16-2	1	37	Somerset	NC	1,773,826	57,346	1,716,480	96.8%	0	18,779	26,428	1.5%	80	1,690,052	83,774	95.3%	8	32,435	0	32,435	100.0%	0	7,652	7,677	23.7%	0	35	24,758	7,677	76.3%
162-01	5	420	Kennebec	NC	2,054,962	841,944	1,213,017	59.0%	0	0	0	0.0%	0	1,213,017	841,944	59.0%	6,050	77,317	52,231	25,086	32.4%	0	0	0	0.0%	0	0	25,086	52,231	32.4%
162-02	5	420	Kennebec	M	1,812,460	1,405,098	407,362	22.5%	0	7,006	7,512	0.4%	0	399,850	1,412,610	22.1%	91	37,679	24,737	12,942	34.3%	0	0	0	0.0%	0	0	12,942	24,737	34.3%
16-3	1	37	Somerset	NC	1,832,427	51,664	1,780,764	97.2%	0	29,525	29,551	1.6%	28	1,751,213	81,215	95.6%	248	40,534	0	40,534	100.0%	0	0	0	0.0%	0	0	40,534	0	100.0%
163-01	5	419	Kennebec	NC	1,815,693	1,229,554	586,139	32.3%	0	0	0	0.0%	26	586,139	1,229,554	32.3%	163	38,173	38,173	0	0.0%	0	0	0	0.0%	0	0	0	38,173	0.0%
163-02	5	417, 418	Kennebec	NC	1,864,687	860,821	1,003,865	53.8%	0	4,238	8,810	0.5%	26	995,055	869,632	53.4%	684	45,158	31,775	13,384	29.6%	0	0	0	0.0%	0	0	13,384	31,775	29.6%
163-03	5	417	Kennebec	NC	1,806,927	603,203	1,203,724	66.6%	0	0	0	0.0%	26	1,203,724	603,203	66.6%	109	36,958	32,564	4,393	11.9%	0	0	0	0.0%	0	0	4,393	32,564	11.9%
164-01	5	417	Kennebec	NC	1,831,839	676,060	1,155,779	63.1%	0	0	0	0.0%	26	1,155,779	676,060	63.1%	121	40,290	35,673	4,616	11.5%	0	0	0	0.0%	0	0	4,616	35,673	11.5%
164-02	5	415	Kennebec	NC	1,979,042	719,986	1,259,056	63.6%	0	0	0	0.0%	26	1,259,056	719,986	63.6%	3,980	63,276	62,039	1,237	2.0%	0	0	0	0.0%	0	0	1,237	62,039	2.0%
164-03	5	415	Kennebec	NC	1,901,506	430,279	1,471,227	77.4%	0	0	0	0.0%	26	1,471,227	430,279	77.4%	649	50,035	21,835	28,200	56.4%	0	0	0	0.0%	0	0	28,200	21,835	56.4%
164-04	5	414, 415	Lincoln	NC	1,998,216	455,170	1,543,046	77.2%	0	0	0	0.0%	22	1,543,046	455,170	77.2%	1,999	64,228	41,546	22,682	35.3%	0	0	0	0.0%	0	0	22,682	41,546	35.3%
164-05	5	414, 415	Lincoln	NC	1,829,383	438,297	1,391,086	76.0%	0	0	0	0.0%	22	1,391,086	438,297	76.0%	218	40,047	35,122	4,925	12.3%	0	0	0	0.0%	0	0	4,925	35,122	12.3%
165-01	5	413, 414	Lincoln	NC	2,110,827	710,304	1,400,523	66.3%	0	0	0	0.0%	26	1,400,523	710,304	66.3%	5,358	82,025	59,372	22,653	27.6%	0	0	0	0.0%	0	0	22,653	59,372	27.6%
165-02	5	412	Lincoln	NC	1,824,011	464,143	1,359,868	74.6%	0	0	0	0.0%	26	1,359,868	464,143	74.6%	258	39,364	24,767	14,598	37.1%	0	0	0	0.0%	0	0	14,598	24,767	37.1%
166-01	5	411	Lincoln	L	1,935,136	693,321	1,241,815	64.2%	0	0	0	0.0%	26	1,241,815	693,321	64.2%	1,020	54,842	54,842	0	0.0%	0	0	0	0.0%	0	26	0	54,842	0.0%
166-02	5	411	Lincoln	NC	1,780,273	748,462	1,031,811	58.0%	0	0	0	0.0%	26	1,031,811	748,462	58.0%	28	33,308	33,308	0	0.0%	0	0	0	0.0%	0	0	0	33,308	0.0%
166-03	5	410	Lincoln	NC	1,881,328	788,773	1,092,555	58.1%	0	0	0	0.0%	26	1,092,555	788,773	58.1%	959	47,614	31,661	15,953	33.5%	0	0	0	0.0%	0	0	15,953	31,661	33.5%
166-04	5	410	Lincoln	NC	1,896,813	719,379	1,177,434	62.1%	0	0	0	0.0%	26	1,177,434	719,379	62.1%	766	49,513	29,271	20,241	40.9%	0	0	0	0.0%	0	0	20,241	29,271	40.9%
167-01	5	410	Lincoln	M	1,780,273	753,983	1,026,290	57.6%	0	0	0	0.0%	26	1,026,290	753,983	57.6%	28	33,308	29,548	3,760	11.3%	0	0	0	0.0%	0	13	3,760	29,548	11.3%
167-02	5	410	Lincoln	M	1,817,659	726,804	1,090,855	60.0%	0	0	0	0.0%	26	1,090,855	726,804	60.0%	219	38,485	38,485	0	0.0%	0	0	0	0.0%	0	26	0	38,485	0.0%
167-03	5	408	Lincoln	NC	1,780,272	670,863	1,109,409	62.3%	0	0	0	0.0%	26	1,109,409	670,863	62.3%	28	33,308	27,657	5,651	17.0%	0	0	0	0.0%	0	0	5,651	27,657	17.0%
168-01	5	407	Lincoln	NC	1,925,080	689,482	1,235,598	64.2%	0	0	0	0.0%	26	1,235,598	689,482	64.2%	1,521	53,934	45,268	8,666	16.1%	0	0	0	0.0%	0	0	8,666	45,268	16.1%
168-02	5	407	Lincoln	NC	1,780,273	591,818	1,188,455	66.8%	0	0	0	0.0%	26	1,188,455	591,818	66.8%	28	33,308	30,064	3,244	9.7%	0	0	0	0.0%	0	0	3,244	30,064	9.7%
169-01	5	404	Lincoln	NC	1,927,612	442,240	1,485,372	77.1%	0	0	0	0.0%	26	1,485,372	442,240	77.1%	1,560	54,309	49,678	4,632	8.5%	0	0	0	0.0%	0	0	4,632	49,678	8.5%
169-02	5	403, 404	Lincoln	NC	1,868,937	439,479	1,429,458	76.5%	0	0	0	0.0%	26	1,429,458	439,479	76.5%	270	45,365	45,357	9	0.0%	0	0	0	0.0%	0	0	9	45,357	0.0%
169-03	5	403	Lincoln	NC	1,813,490	416,015	1,397,475	77.1%	0	0	0	0.0%	26	1,397,475	416,015	77.1%	312	37,983	24,950	13,034	34.3%	0	0	0	0.0%	0	0	13,034	24,950	34.3%
170-01	5	403	Lincoln	L	1,789,732	471,179	1,318,554	73.7%	0	0	0	0.0%	26	1,318,554	471,179	73.7%	78	34,612	32,929	1,683	4.9%	0	0	0	0.0%	0	26	1,683	32,929	4.9%
170-02	5	402	Lincoln	NC	1,780,273	451,399	1,328,874	74.6%	0	0	0	0.0%	26	1,328,874	451,399	74.6%	28	33,308	33,308	0	0.0%	0	0	0	0.0%	0	0	0	33,308	0.0%
170-03	5	402	Lincoln	H	1,920,540	456,152	1,464,388	76.2%	0	0	0	0.0%	26	1,464,388	456,152	76.2%	1,196	53,047	53,047	0	0.0%	0	0	0	0.0%	12	26	0	53,047	0.0%
170-04	5	402	Lincoln	H	1,851,324	431,217	1,420,107	76.7%	0	0	0	0.0%	26	1,420,107	431,217	76.7%	505	43,221	42,331	890	2.1%	0	0	0	0.0%	0	0	890	42,331	2.1%
170-05	5	401, 402	Lincoln	NC	1,996,138	460,659	1,535,480	76.9%	0	0	0	0.0%	26	1,535,480	460,659	76.9%	698	62,697	60,804	1,893	3.0%	0	0	0	0.0%	0	0	1,893	60,804	3.0%
17-1	1	40, 41	Somerset	NC	1,823,327	93,268	1,730,059	94.9%	11,767	78,667	90,434	5.0%	20	1,639,625	183,702	89.9%	368	39,367	0	39,367	100.0%	0	0	0	0.0%	0	0	39,367	0	100.0%
171-01	5	401	Lincoln	H	1,780,273	412,740	1,367,533	76.8%	0	0	0	0.0%	26	1,367,533	412,740	76.8%	28	33,308	31,183	2,125	6.4%	0	0	0	0.0%	0	0	2,125	31,183	6.4%
171-02	5	401	Lincoln	L	1,813,490	445,683	1,367,807	75.4%	0	0	0	0.0%	26	1,367,807	445,683	75.4%	312	37,983	37,120	864	2.3%	0	0	0	0.0%	0	0	864	37,120	2.3%
171-03	5	401	Lincoln	NC	1,780,273	464,017	1,316,256	73.9%	0	0	0	0.0%	26	1,316,256	464,017	73.9%	28	33,308	32,152	1,156	3.5%	0	0	0	0.0%	0	26	1,156	32,152	3.5%
171-04	5	400	Lincoln	L	1,801,592	590,621	1,210,970	67.2%	0	0	0	0.0%	26	1,210,970	590,621	67.2%	176	36,278	33,008	3,270	9.0%	0	0	0	0.0%	0	26	3,270	33,008	9.0%
171-05	5	401	Lincoln	NC	1,780,272	535,340	1,244,932	69.9%	0	0	0	0.0%	26	1,244,932	535,340	69.9%	28	33,308	31,926	1,382	4.1%	0	0	0	0.0%	0	0	1,382	31,926	4.1%
17-2	1	39	Somerset	NC	1,773,827	26,000	1,747,826	98.5%	470	87,467	87,937	5.0%	20	1,659,890	113,937	93.6%	8	32,435	0	32,435	100.0%	2	263	266	0.8%	0	0	32,170	266	99.2%
17-3	1	39	Somerset	NC	1,773,826	33,134	1,740,692	98.1%	470	85,889	86,358	4.9%	20	1,654,334	119,492	93.3%	8	32,435	0	32,435	100.0%	0	0	0	0.0%	0	0	32,435	0	100.0%
173-01	5	396	Lincoln	NC	1,830,805	456,597	1,374,208	75.1%	0	0	0	0.0%	26	1,374,208	456,597	75.1%	427	40,416	40,416	0	0.0%	0	0	0	0.0%	0	0	0	40,416	0.0%
173-02	5	396	Lincoln	NC	1,981,500	476,649	1,504,851	75.9%	0	0	0	0.0%	26	1,504,851	476,649	75.9%	3,558	63,939	44,392	19,547	30.6%	0	0	0	0.0%	0	0	19,547	44,392	30.6%
173-03	5	396	Lincoln	NC	1,789,732	449,688	1,340,044	74.9%	0	0	0	0.0%	26	1,340,044	449,688	74.9%	78	34,612	34,612	0	0.0%	0	0	0	0.0%	0	0	0	34,612	0.0%
173-04	5	395	Lincoln	H	1,961,804	470,679	1,491,125	76.0%	0	0	0	0.0%	26	1,491,125	470,679	76.0%	3,574	60,896	51,661	9,235	15.2%	0	0	0	0.0%	0	13	9,235	51,661	15.2%
173-05	5	395	Lincoln	NC	1,785,000	449,090	1,335,910	74.8%	0	0	0	0.0%	26	1,335,910	449,090	74.8%	50	33,957	33,957	0	0.0%	0	0	0	0.0%	0	0	0	33,957	0.0%
173-06	5	395	Lincoln	NC	1,837,405	450,304	1,387,100	75.5%	0	0	0	0.0%	26	1,387,100	450,304	75.5%	703	41,510	28,398	13,112	31.6%	0	0	0	0.0%	0	0	13,112	28,398	31.6%
17-4	1	39	Somerset	NC	1,773,827	37,010	1,736,817	97.9%	470	84,001	84,470	4.8%	20	1,652,347	121,480	93.2%	8	32,435	0	32,435	100.0%	0	0	0	0.0%	0	0	32,435	0	100.0%
174-02	5	394	Lincoln	NC	1,780,273	477,815	1,302,458	73.2%	0	0	0	0.0%	26	1,302,458	477,815	73.2%	28	33,308	33,308	0	0.0%	0	0	0	0.0%	0	0	0	33,308	0.0%
174-03	5	393, 394	Lincoln	NC	1,971,009	629,848	1,341,161	68.0%	0	0	0	0.0%	80	1,341,161	629,848	68.0%	591	59,252	59,252	0	0.0%	0	0	0	0.0%	0	0	0	59,252	0.0%
174-04	5	393	Lincoln	M	1,954,183	607,214	1,346,969	68.9%	0	0	0	0.0%	80	1,346,969	607,214	68.9%	2,645	58,787	58,787	0	0.0%	0	0	0	0.0%	0	26	0	58,787	0.0%
174-05	5	393	Lincoln	M	1,780,274	594,993	1,185,280	66.6%	0	0	0	0.0%	80	1,185,280	594,993	66.6%	28	33,308	29,346	3,962	11.9%	0	0	0	0.0%	0	16	3,962	29,346	11.9%
174-06	5	393	Lincoln	NC	2,061,215	603,331	1,457,885	70.7%	0	0	0	0.0%	26	1,457,885	603,331	70.7%	6,302	77,130	51,148	25,982	33.7%	0	0	0	0.0%	0	0	25,982	51,148	33.7%
174-07	5	393	Lincoln	NC	1,780,273	553,818	1,226,455	68.9%	0	0	0	0.0%	26	1,226,455	553,818	68.9%	28	33,308	33,308	0	0.0%	0	0	0	0.0%	0	0	0	33,308	0.0%
174-08	5	393	Lincoln	NC	1,895,533	573,877	1,321,656	69.7%	0	0	0	0.0%	26	1,321,656	573,877	69.7%	649	49,240	49,240	0	0.0%	0	0	0	0.0%	0	0	0	49,240	0.0%
174-09	5	393	Lincoln	NC	2,013,646	546,890	1,466,756	72.8%	0	0	0	0.0%	26	1,466,756	546,890	72.8%	2,327	68,555	68,555	0	0.0%	0	0	0	0.0%	0	0	0	68,555	0.0%
174-10	5	393	Lincoln	NC	1,866,165	480,912	1,385,254	74.2%	0	0	0	0.0%	26	1,385,254	480,912	74.2%	761	45,422	45,422	0	0.0%	0	0	0	0.0%	0	0	0	45,422	0.0%
174-11	5	394	Lincoln	NC	1,780,274	436,376	1,343,898	75.5%	0	0	0	0.0%	26	1,343,898	436,376	75.5%	28	33,308	22,063	11,245	33.8%	0	0	0	0.0%	0	0	11,245	22,063	33.8%
17-5	1	39	Somerset	NC	1,955,666	21,160	1,934,506	98.9%	26,015	79,319	105,335	5.4%	28	1,829,172	126,495	93.5%	1,796	59,213	0	59,213	100.0%	467	12,572	13,039	22.0%	0	0	46,174	13,039	78.0%
175-01	5	392	Lincoln	NC	1,780,272	626,214	1,154,058	64.8%	0	0	0	0.0%	26	1,154,058	626,214	64.8%	28	33,308	33,308	0	0.0%	0	0	0	0.0%	0	0	0	33,308	0.0%
175-02	5	391	Lincoln	L	1,780,272	448,503	1,331,769	74.8%	0	0	0	0.0%	26	1,331,769	448,503	74.8%	28	33,308	33,308	0	0.0%	0	0	0	0.0%	0	26	0	33,308	0.0%
17-6	1	39	Somerset	NC	1,867,601	20,798	1,846,802	98.9%	26,929	75,762	102,691	5.5%	28	1,744,111	123,490	93.4%	559	45,436	0	45,436	100.0%	467	10,962	11,429	25.2%	0	0	34,007	11,429	74.8%
176-01	5	388	Lincoln	M	1,914,129	498,805	1,415,324	73.9%	0	0	0	0.0%	26	1,415,324	498,805	73.9%	804	51,854	51,854	0	0.0%	0	0	0	0.0%	0	26	0	51,854	0.0%
17-7	1	39	Somerset	NC	1,857,455	18,013	1,839,441	99.0%	32,225	74,607	106,832	5.8%	28	1,732,609	124,846	93.3%	462	44,280	0	44,280	100.0%	467	7,798	8,265	18.7%	0	0	36,015	8,265	81.3%
177-01	5	388	Lincoln	M	1,872,405	496,234	1,376,171	73.5%	0	0	0	0.0%	26	1,376,171	496,234	73.5%	735	46,230	45,725	506	1.1%	0	0	0	0.0%	0	26	506	45,725	1.1%
177-02	5	388	Lincoln	NC	1,780,273	444,397	1,335,876	75.0%	0	0	0	0.0%	26	1,335,876	444,397	75.0%	28	33,308	25,206	8,102	24.3%	0	0	0	0.0%	0	0	8,102	25,206	24.3%
177-03	5	387, 388	Lincoln	M	2,305,858	608,592	1,697,267	73.6%	0	0	0	0.0%	26	1,697,267	608,592	73.6%	2,974	105,861	105,861	0	0.0%	0	0	0	0.0%	0	26	0	105,861	0.0%
177-04	5	388	Lincoln	NC	2,042,501	570,530	1,471,971	72.1%	0	0	0	0.0%	26	1,471,971	570,530	72.1%	3,984	72,632	43,687	28,945	39.9%	0	0	0	0.0%	0	0	28,945	43,687	39.9%
177-05	5	387, 388	Lincoln	NC	1,780,273	441,658	1,338,614	75.2%	0	0	0	0.0%	26	1,338,614	441,658	75.2%	28	33,308	20,877	12,430	37.3%	0	0	0	0.0%	0	0	12,430	20,877	37.3%

Exhibit 7-6 USACE Vernal Pool Table

					Existing Condition in Vernal Pool Habitat (750')				Proposed Activity in Vernal Pool Habitat (750')					Vernal Pool Habitat (750')			Existing Conditions in Vernal Pool Depression and 100' Envelope					Proposed Activity in Vernal Pool Depression and 100' Envelope						Pool Depression and 100' Envelope		
Vernal Pool ID	Segment #	NRM #	COUNTY	Value (High, Medium, Low, No Compensation)	Total VP Habitat Area (sq ft)	Existing Non-Forested (sq ft)	Existing Forested (sq ft)	Existing Percent Forested	Proposed Wetland Clearing (sq ft)	Proposed Upland Clearing (sq ft)	Total Proposed Forest Clearing (sq ft)	Proposed Percent Additional Clearing	Direct Impact to VP Habitat (sq ft)	Proposed Forested (sq ft)	Proposed Non-Forested (sq ft)	Proposed Percent Forested	Pool Size (sq ft)	Total Habitat Area (sq ft)	Existing Non-Forested (sq ft)	Existing Forested (sq ft)	Existing Percent Forested	Proposed Wetland Clearing (sq ft)	Proposed Upland Clearing (sq ft)	Total Proposed Forest Clearing (sq ft)	Percent Forested	Pool Depression Direct Impact (sq ft)	Proposed Fill Envelope (sq ft)	Proposed Forested Conditions (sq ft)	Proposed Non-Forested Conditions (sq ft)	Proposed Percent Forested Condition
177-06	5	386	Lincoln	NC	1,780,272	632,623	1,147,649	64.5%	0	0	0	0.0%	26	1,147,649	632,623	64.5%	28	33,308	24,187	9,121	27.4%	0	0	0	0.0%	0	0	9,121	24,187	27.4%
177-07	5	386	Lincoln	M	1,969,144	673,915	1,295,229	65.8%	0	0	0	0.0%	26	1,295,229	673,915	65.8%	3,479	61,506	42,090	19,417	31.6%	0	0	0	0.0%	0	26	19,417	42,090	31.6%
177-08	5	386	Lincoln	M	1,888,361	632,396	1,255,965	66.5%	0	0	0	0.0%	26	1,255,965	632,396	66.5%	1,387	48,940	45,981	2,959	6.0%	0	0	0	0.0%	0	26	2,959	45,981	6.0%
177-09	5	386	Lincoln	M	1,780,273	500,462	1,279,811	71.9%	0	0	0	0.0%	26	1,279,811	500,462	71.9%	28	33,308	33,300	8	0.0%	0	0	0	0.0%	0	80	8	33,300	0.0%
177-10	5	386	Lincoln	NC	1,780,693	480,065	1,300,628	73.0%	0	0	0	0.0%	26	1,300,628	480,065	73.0%	28	33,317	33,317	0	0.0%	0	0	0	0.0%	0	0	0	33,317	0.0%
177-11	5	386	Lincoln	NC	1,780,273	478,725	1,301,548	73.1%	0	0	0	0.0%	26	1,301,548	478,725	73.1%	28	33,308	33,308	0	0.0%	0	0	0	0.0%	0	0	0	33,308	0.0%
177-12	5	386	Lincoln	NC	1,839,326	481,788	1,357,539	73.8%	0	0	0	0.0%	26	1,357,539	481,788	73.8%	414	41,542	40,355	1,187	2.9%	0	0	0	0.0%	0	0	1,187	40,355	2.9%
177-13	5	386	Lincoln	NC	1,780,272	468,137	1,312,135	73.7%	0	0	0	0.0%	26	1,312,135	468,137	73.7%	28	33,308	32,458	850	2.6%	0	0	0	0.0%	0	0	850	32,458	2.6%
177-14	5	386	Lincoln	M	1,780,272	465,797	1,314,475	73.8%	0	0	0	0.0%	26	1,314,475	465,797	73.8%	28	33,308	33,308	0	0.0%	0	0	0	0.0%	0	26	0	33,308	0.0%
177-15	5	386	Lincoln	M	1,941,601	491,330	1,450,271	74.7%	0	0	0	0.0%	26	1,450,271	491,330	74.7%	1,578	56,187	56,187	0	0.0%	0	0	0	0.0%	0	26	0	56,187	0.0%
17-8	1	39	Somerset	NC	1,993,298	41,788	1,951,510	97.9%	48,599	44,155	92,754	4.7%	28	1,858,756	134,542	93.3%	1,433	63,259	0	63,259	100.0%	0	0	0	0.0%	0	0	63,259	0	100.0%
178-01	5	385	Lincoln	NC	1,780,273	448,099	1,332,174	74.8%	0	0	0	0.0%	26	1,332,174	448,099	74.8%	28	33,308	33,308	0	0.0%	0	0	0	0.0%	0	0	0	33,308	0.0%
178-02	5	385	Lincoln	NC	1,780,273	448,164	1,332,109	74.8%	0	0	0	0.0%	26	1,332,109	448,164	74.8%	28	33,308	33,308	0	0.0%	0	0	0	0.0%	0	0	0	33,308	0.0%
178-03	5	385	Lincoln	NC	1,780,273	448,105	1,332,168	74.8%	0	0	0	0.0%	26	1,332,168	448,105	74.8%	28	33,308	33,308	0	0.0%	0	0	0	0.0%	0	0	0	33,308	0.0%
178-04	5	385	Lincoln	NC	1,780,273	448,387	1,331,886	74.8%	0	0	0	0.0%	26	1,331,886	448,387	74.8%	28	33,308	33,308	0	0.0%	0	0	0	0.0%	0	0	0	33,308	0.0%
178-05	5	384	Lincoln	NC	1,780,272	448,313	1,331,960	74.8%	0	0	0	0.0%	26	1,331,960	448,313	74.8%	28	33,308	33,308	0	0.0%	0	0	0	0.0%	0	0	0	33,308	0.0%
179-01	5	383	Lincoln	NC	1,780,273	451,365	1,328,908	74.6%	0	0	0	0.0%	26	1,328,908	451,365	74.6%	28	33,308	32,927	381	1.1%	0	0	0	0.0%	0	0	381	32,927	1.1%
179-02	5	383	Lincoln	M	1,970,711	493,457	1,477,255	75.0%	0	0	0	0.0%	26	1,477,255	493,457	75.0%	899	59,479	59,479	0	0.0%	0	0	0	0.0%	0	26	0	59,479	0.0%
180-01	5	381	Lincoln	NC	1,780,272	453,296	1,326,976	74.5%	0	0	0	0.0%	240	1,326,976	453,296	74.5%	28	33,308	25,807	7,500	22.5%	0	0	0	0.0%	0	0	7,500	25,807	22.5%
180-02	5	381	Lincoln	NC	1,780,273	453,373	1,326,900	74.5%	0	0	0	0.0%	240	1,326,900	453,373	74.5%	28	33,308	30,747	2,560	7.7%	0	0	0	0.0%	0	0	2,560	30,747	7.7%
180-03	5	380, 381	Lincoln	L	1,780,273	448,424	1,331,848	74.8%	0	0	0	0.0%	26	1,331,848	448,424	74.8%	28	33,308	33,308	0	0.0%	0	0	0	0.0%	0	26	0	33,308	0.0%
180-04	5	380	Lincoln	NC	1,900,013	467,523	1,432,490	75.4%	0	0	0	0.0%	26	1,432,490	467,523	75.4%	808	49,976	42,245	7,730	15.5%	0	0	0	0.0%	0	0	7,730	42,245	15.5%
180-05	5	380	Lincoln	NC	1,780,273	485,856	1,294,417	72.7%	0	0	0	0.0%	26	1,294,417	485,856	72.7%	28	33,308	21,116	12,192	36.6%	0	0	0	0.0%	0	0	12,192	21,116	36.6%
180-06	5	380	Lincoln	M	2,393,297	731,569	1,661,728	69.4%	0	0	0	0.0%	26	1,661,728	731,569	69.4%	7,839	123,795	123,453	342	0.3%	0	0	0	0.0%	0	26	342	123,453	0.3%
180-07	5	379, 380	Lincoln	NC	1,780,273	598,454	1,181,819	66.4%	0	0	0	0.0%	26	1,181,819	598,454	66.4%	28	33,308	33,308	0	0.0%	0	0	0	0.0%	0	0	0	33,308	0.0%
180-08	5	379, 380	Lincoln	NC	1,960,115	607,493	1,352,622	69.0%	0	0	0	0.0%	26	1,352,622	607,493	69.0%	1,199	58,329	37,137	21,192	36.3%	0	0	0	0.0%	0	52	21,192	37,137	36.3%
180-09	5	379	Lincoln	NC	2,105,996	641,491	1,464,505	69.5%	0	0	0	0.0%	26	1,464,505	641,491	69.5%	3,675	79,923	79,923	0	0.0%	0	0	0	0.0%	0	0	0	79,923	0.0%
180-10	5	379	Lincoln	NC	2,011,598	591,041	1,420,557	70.6%	0	0	0	0.0%	26	1,420,557	591,041	70.6%	5,987	69,725	66,794	2,931	4.2%	0	0	0	0.0%	0	0	2,931	66,794	4.2%
180-11	5	379	Lincoln	NC	1,780,272	558,321	1,221,951	68.6%	0	0	0	0.0%	26	1,221,951	558,321	68.6%	28	33,308	33,308	0	0.0%	0	0	0	0.0%	0	0	0	33,308	0.0%
18-1	1	42	Somerset	NC	1,846,502	311,048	1,535,454	83.2%	0	56,575	56,575	3.1%	20	1,478,879	367,623	80.1%	427	42,695	41,891	805	1.9%	0	675	675	1.6%	0	0	129	42,566	0.3%
181-01	5	378	Lincoln	NC	1,780,273	546,819	1,233,454	69.3%	0	0	0	0.0%	26	1,233,454	546,819	69.3%	28	33,308	23,728	9,580	28.8%	0	0	0	0.0%	0	0	9,580	23,728	28.8%
181-02	5	378	Lincoln	NC	1,780,273	557,349	1,222,923	68.7%	0	0	0	0.0%	26	1,222,923	557,349	68.7%	28	33,308	33,308	0	0.0%	0	0	0	0.0%	0	0	0	33,308	0.0%
182-01	5	376	Lincoln	NC	1,780,273	559,802	1,220,471	68.6%	0	0	0	0.0%	26	1,220,471	559,802	68.6%	28	33,308	33,308	0	0.0%	0	0	0	0.0%	0	0	0	33,308	0.0%
182-02	5	375	Lincoln	NC	1,880,382	644,390	1,235,992	65.7%	0	0	0	0.0%	3	1,235,992	644,390	65.7%	969	47,848	25,571	22,276	46.6%	0	0	0	0.0%	0	0	22,276	25,571	46.6%
182-03	5	375	Lincoln	NC	1,780,273	638,413	1,141,859	64.1%	0	0	0	0.0%	24	1,141,859	638,413	64.1%	28	33,308	33,308	0	0.0%	0	0	0	0.0%	0	0	0	33,308	0.0%
182-04	5	375	Lincoln	NC	1,934,034	677,957	1,256,077	64.9%	0	0	0	0.0%	26	1,256,077	677,957	64.9%	1,949	55,838	54,857	980	1.8%	0	0	0	0.0%	0	0	980	54,857	1.8%
182-05	5	375	Lincoln	NC	1,780,273	626,930	1,153,343	64.8%	0	0	0	0.0%	26	1,153,343	626,930	64.8%	28	33,308	23,363	9,945	29.9%	0	0	0	0.0%	0	0	9,945	23,363	29.9%
182-06	5	375	Lincoln	NC	1,931,618	685,649	1,245,969	64.5%	0	0	0	0.0%	26	1,245,969	685,649	64.5%	1,445	54,740	54,740	0	0.0%	0	0	0	0.0%	0	0	0	54,740	0.0%
182-07	5	375	Lincoln	NC	1,896,875	649,184	1,247,691	65.8%	0	0	0	0.0%	18	1,247,691	649,184	65.8%	1,498	50,254	39,592	10,661	21.2%	0	0	0	0.0%	0	0	10,661	39,592	21.2%
182-08	5	375, 376	Lincoln	M	1,780,273	636,575	1,143,698	64.2%	0	0	0	0.0%	26	1,143,698	636,575	64.2%	28	33,308	33,308	0	0.0%	0	0	0	0.0%	0	13	0	33,308	0.0%
183-01	5	374	Lincoln	NC	1,780,272	610,789	1,169,484	65.7%	0	0	0	0.0%	26	1,169,484	610,789	65.7%	28	33,308	33,308	0	0.0%	0	0	0	0.0%	0	0	0	33,308	0.0%
183-02	5	374	Lincoln	NC	1,918,139	643,075	1,275,065	66.5%	0	0	0	0.0%	26	1,275,065	643,075	66.5%	1,076	52,623	52,623	0	0.0%	0	0	0	0.0%	0	0	0	52,623	0.0%
183-03	5	374	Lincoln	NC	1,780,273	609,913	1,170,360	65.7%	0	0	0	0.0%	26	1,170,360	609,913	65.7%	28	33,308	33,308	0	0.0%	0	0	0	0.0%	0	26	0	33,308	0.0%
183-04	5	374	Lincoln	NC	2,237,018	726,606	1,510,412	67.5%	0	0	0	0.0%	26	1,510,412	726,606	67.5%	6,505	100,466	100,466	0	0.0%	0	0	0	0.0%	0	0	0	100,466	0.0%
183-05	5	373, 374	Lincoln	NC	2,038,697	687,266	1,351,431	66.3%	0	0	0	0.0%	26	1,351,431	687,266	66.3%	6,236	73,456	51,833	21,623	29.4%	0	0	0	0.0%	0	0	21,623	51,833	29.4%
183-06	5	373	Lincoln	M	1,780,273	685,581	1,094,692	61.5%	0	0	0	0.0%	13	1,094,692	685,581	61.5%	28	33,308	24,071	9,237	27.7%	0	0	0	0.0%	0	26	9,237	24,071	27.7%
183-07	5	373	Lincoln	M	1,780,273	682,894	1,097,378	61.6%	0	0	0	0.0%	13	1,097,378	682,894	61.6%	28	33,308	20,285	13,023	39.1%	0	0	0	0.0%	0	1	13,023	20,285	39.1%
183-08	5	373	Lincoln	NC	1,869,125	687,382	1,181,743	63.2%	0	0	0	0.0%	26	1,181,743	687,382	63.2%	791	45,842	33,724	12,118	26.4%	0	0	0	0.0%	0	0	12,118	33,724	26.4%
183-09	5	373	Lincoln	NC	1,780,273	603,528	1,176,745	66.1%	0	0	0	0.0%	26	1,176,745	603,528	66.1%	28	33,308	31,018	2,290	6.9%	0	0	0	0.0%	0	0	2,290	31,018	6.9%
183-10	5	373	Lincoln	NC	1,780,273	573,812	1,206,462	67.8%	0	0	0	0.0%	26	1,206,462	573,812	67.8%	28	33,308	33,308	0	0.0%	0	0	0	0.0%	0	0	0	33,308	0.0%
183-11	5	373	Lincoln	NC	1,780,273	574,688	1,205,586	67.7%	0	0	0	0.0%	26	1,205,586	574,688	67.7%	28	33,308	33,308	0	0.0%	0	0	0	0.0%	0	0	0	33,308	0.0%
183-12	5	373	Lincoln	NC	1,873,214	600,009	1,273,205	68.0%	0	0	0	0.0%	26	1,273,205	600,009	68.0%	477	46,115	46,115	0	0.0%	0	0	0	0.0%	0	0	0	46,115	0.0%

Exhibit 7-6 USACE Vernal Pool Table

					Existing Condition in Vernal Pool Habitat (750')				Proposed Activity in Vernal Pool Habitat (750')					Vernal Pool Habitat (750')			Existing Conditions in Vernal Pool Depression and 100' Envelope					Proposed Activity in Vernal Pool Depression and 100' Envelope						Pool Depression and 100' Envelope		
Vernal Pool ID	Segment #	NRM #	COUNTY	Value (High, Medium, Low, No Compensation)	Total VP Habitat Area (sq ft)	Existing Non-Forested (sq ft)	Existing Forested (sq ft)	Existing Percent Forested	Proposed Wetland Clearing (sq ft)	Proposed Upland Clearing (sq ft)	Total Proposed Forest Clearing (sq ft)	Proposed Percent Additional Clearing	Direct Impact to VP Habitat (sq ft)	Proposed Forested (sq ft)	Proposed Non-Forested (sq ft)	Proposed Percent Forested	Pool Size (sq ft)	Total Habitat Area (sq ft)	Existing Non-Forested (sq ft)	Existing Forested (sq ft)	Existing Percent Forested	Proposed Wetland Clearing (sq ft)	Proposed Upland Clearing (sq ft)	Total Proposed Forest Clearing (sq ft)	Percent Forested	Pool Depression Direct Impact (sq ft)	Proposed Fill Envelope (sq ft)	Proposed Forested Conditions (sq ft)	Proposed Non-Forested Conditions (sq ft)	Proposed Percent Forested Condition
183-13	5	373	Lincoln	NC	1,780,273	577,775	1,202,498	67.5%	0	0	0	0.0%	26	1,202,498	577,775	67.5%	28	33,308	33,308	0	0.0%	0	0	0	0.0%	0	0	0	33,308	0.0%
183-14	5	372	Lincoln	NC	1,925,812	616,322	1,309,490	68.0%	0	0	0	0.0%	26	1,309,490	616,322	68.0%	1,578	54,082	54,082	0	0.0%	0	0	0	0.0%	0	0	0	54,082	0.0%
183-15	5	372	Lincoln	NC	1,832,481	604,698	1,227,783	67.0%	0	0	0	0.0%	26	1,227,783	604,698	67.0%	135	40,387	40,387	0	0.0%	0	0	0	0.0%	0	0	0	40,387	0.0%
183-16	5	372	Lincoln	NC	1,780,273	589,161	1,191,112	66.9%	0	0	0	0.0%	26	1,191,112	589,161	66.9%	28	33,308	33,308	0	0.0%	0	0	0	0.0%	0	0	0	33,308	0.0%
183-17	5	373	Lincoln	NC	1,780,273	701,309	1,078,964	60.6%	0	0	0	0.0%	26	1,078,964	701,309	60.6%	28	33,308	21,529	11,778	35.4%	0	0	0	0.0%	0	0	11,778	21,529	35.4%
184-01	5	372	Lincoln	NC	1,959,858	664,297	1,295,561	66.1%	0	0	0	0.0%	26	1,295,561	664,297	66.1%	1,189	58,284	58,284	0	0.0%	0	0	0	0.0%	0	0	0	58,284	0.0%
184-02	5	370	Sagadahoc	M	1,773,826	682,318	1,091,508	61.5%	0	164,272	178,392	10.1%	26	913,116	860,710	51.5%	8	32,435	26,683	5,752	17.7%	0	0	0	0.0%	0	0	5,752	26,683	17.7%
185-01	5	369	Sagadahoc	M	1,780,273	522,060	1,258,213	70.7%	0	104,373	122,045	6.9%	26	1,136,168	644,105	63.8%	28	33,308	25,185	8,123	24.4%	0	4,137	4,137	12.4%	0	0	3,986	29,322	12.0%
185-02	5	369	Sagadahoc	M	1,780,273	565,959	1,214,314	68.2%	0	89,431	141,059	7.9%	41	1,073,255	707,018	60.3%	28	33,308	26,019	7,289	21.9%	0	0	0	0.0%	0	0	7,289	26,019	21.9%
185-03	5	369	Sagadahoc	M	1,968,937	649,223	1,319,714	67.0%	0	95,504	147,910	7.5%	41	1,171,805	797,133	59.5%	2,224	60,390	45,181	15,209	25.2%	0	0	0	0.0%	0	0	15,209	45,181	25.2%
185-04	5	369	Sagadahoc	M	1,780,273	422,098	1,358,175	76.3%	0	85,556	137,962	7.7%	41	1,220,213	560,060	68.5%	28	33,308	17,165	16,143	48.5%	0	6	15,454	46.4%	0	0	688	32,620	2.1%
185-05	5	369	Sagadahoc	M	1,780,273	534,321	1,245,953	70.0%	0	85,268	137,674	7.7%	69	1,108,278	671,995	62.3%	28	33,308	32,802	505	1.5%	0	0	279	0.8%	0	0	226	33,082	0.7%
185-06	5	369	Sagadahoc	M	1,780,274	487,032	1,293,242	72.6%	0	86,288	138,695	7.8%	171	1,154,547	625,726	64.9%	28	33,308	26,233	7,075	21.2%	0	0	7,075	21.2%	0	0	0	33,308	0.0%
185-07	5	369	Sagadahoc	M	1,780,273	569,202	1,211,070	68.0%	0	88,023	140,429	7.9%	69	1,070,641	709,631	60.1%	28	33,308	31,443	1,865	5.6%	0	0	1,686	5.1%	0	0	179	33,129	0.5%
185-08	5	369	Sagadahoc	M	1,780,274	698,039	1,082,234	60.8%	0	84,166	107,880	6.1%	0	974,354	805,919	54.7%	28	33,308	20,172	13,136	39.4%	0	11,155	11,155	33.5%	0	84	1,981	31,327	5.9%
186-01	5	368	Lincoln	NC	1,905,657	499,430	1,406,226	73.8%	0	0	0	0.0%	0	1,406,226	499,430	73.8%	1,672	51,703	33,785	17,919	34.7%	0	0	0	0.0%	0	0	17,919	33,785	34.7%
186-02	5	368	Lincoln	NC	1,838,222	491,180	1,347,042	73.3%	0	0	0	0.0%	0	1,347,042	491,180	73.3%	496	41,466	30,857	10,609	25.6%	0	0	0	0.0%	0	0	10,609	30,857	25.6%
186-03	5	368	Lincoln	NC	1,902,132	517,131	1,385,001	72.8%	0	0	0	0.0%	0	1,385,001	517,131	72.8%	1,201	50,598	47,610	2,988	5.9%	0	0	0	0.0%	0	0	2,988	47,610	5.9%
186-04	5	367, 368	Lincoln	NC	1,780,273	520,837	1,259,436	70.7%	0	0	0	0.0%	0	1,259,436	520,837	70.7%	28	33,308	32,426	882	2.6%	0	0	0	0.0%	0	0	882	32,426	2.6%
186-05	5	367	Lincoln	NC	1,977,596	639,120	1,338,476	67.7%	0	0	0	0.0%	0	1,338,476	639,120	67.7%	3,313	63,240	60,330	2,910	4.6%	0	0	0	0.0%	0	0	2,910	60,330	4.6%
186-06	5	367	Lincoln	NC	1,780,273	724,349	1,055,924	59.3%	0	0	0	0.0%	0	1,055,924	724,349	59.3%	28	33,308	33,308	0	0.0%	0	0	0	0.0%	0	0	0	33,308	0.0%
186-07	5	367	Lincoln	NC	1,780,274	779,993	1,000,280	56.2%	0	0	0	0.0%	0	1,000,280	779,993	56.2%	28	33,308	31,594	1,713	5.1%	0	0	0	0.0%	0	0	1,713	31,594	5.1%
186-08	5	367	Lincoln	NC	1,773,827	761,850	1,011,977	57.1%	0	0	0	0.0%	0	1,011,977	761,850	57.1%	8	32,435	32,435	0	0.0%	0	0	0	0.0%	0	0	0	32,435	0.0%
186-09	5	367	Lincoln	NC	1,917,961	793,301	1,124,660	58.6%	0	0	0	0.0%	0	1,124,660	793,301	58.6%	1,807	53,233	53,233	0	0.0%	0	0	0	0.0%	0	0	0	53,233	0.0%
186-10	5	367	Lincoln	NC	1,780,273	784,937	995,336	55.9%	0	0	0	0.0%	0	995,336	784,937	55.9%	28	33,308	33,308	0	0.0%	0	0	0	0.0%	0	0	0	33,308	0.0%
186-11	5	367	Lincoln	NC	1,780,273	788,665	991,608	55.7%	0	0	0	0.0%	0	991,608	788,665	55.7%	28	33,308	33,308	0	0.0%	0	0	0	0.0%	0	0	0	33,308	0.0%
186-12	5	367	Lincoln	NC	1,780,273	678,629	1,101,644	61.9%	0	0	0	0.0%	0	1,101,644	678,629	61.9%	28	33,308	33,159	149	0.4%	0	0	0	0.0%	0	0	149	33,159	0.4%
186-13	5	366, 367	Lincoln	NC	1,780,273	705,594	1,074,679	60.4%	0	0	0	0.0%	0	1,074,679	705,594	60.4%	28	33,308	29,796	3,512	10.5%	0	0	0	0.0%	0	0	3,512	29,796	10.5%
186-14	5	366, 367	Lincoln	NC	1,886,670	801,752	1,084,918	57.5%	0	0	0	0.0%	0	1,084,918	801,752	57.5%	1,046	48,786	48,786	0	0.0%	0	0	0	0.0%	0	0	0	48,786	0.0%
186-15	5	366, 367	Lincoln	NC	1,996,119	761,627	1,234,492	61.8%	0	0	0	0.0%	0	1,234,492	761,627	61.8%	3,724	65,978	53,144	12,834	19.5%	0	0	0	0.0%	0	0	12,834	53,144	19.5%
186-16	5	366	Lincoln	NC	1,780,273	666,749	1,113,524	62.5%	0	0	0	0.0%	0	1,113,524	666,749	62.5%	28	33,308	33,308	0	0.0%	0	0	0	0.0%	0	0	0	33,308	0.0%
186-17	5	366	Lincoln	NC	1,906,479	631,195	1,275,283	66.9%	0	0	0	0.0%	0	1,275,283	631,195	66.9%	2,060	51,920	51,898	23	0.0%	0	0	0	0.0%	0	0	23	51,898	0.0%
186-18	5	366	Lincoln	NC	1,833,576	637,518	1,196,058	65.2%	0	0	0	0.0%	0	1,196,058	637,518	65.2%	256	40,638	40,638	0	0.0%	0	0	0	0.0%	0	0	0	40,638	0.0%
186-19	5	367	Lincoln	NC	1,877,620	729,796	1,147,824	61.1%	0	0	0	0.0%	0	1,147,824	729,796	61.1%	969	47,245	47,245	0	0.0%	0	0	0	0.0%	0	0	0	47,245	0.0%
187-01	5	365	Lincoln	NC	1,880,577	702,755	1,177,822	62.6%	0	0	0	0.0%	0	1,177,822	702,755	62.6%	1,234	47,753	42,606	5,147	10.8%	0	0	0	0.0%	0	0	5,147	42,606	10.8%
187-02	5	365	Lincoln	NC	1,844,406	657,889	1,186,517	64.3%	0	0	0	0.0%	0	1,186,517	657,889	64.3%	614	42,393	42,393	0	0.0%	0	0	0	0.0%	0	0	0	42,393	0.0%
188-01	5	363	Lincoln	NC	1,780,274	623,206	1,157,067	65.0%	0	0	0	0.0%	0	1,157,067	623,206	65.0%	28	33,308	30,859	2,449	7.4%	0	0	0	0.0%	0	0	2,449	30,859	7.4%
188-02	5	362, 363	Lincoln	NC	1,780,273	657,473	1,122,799	63.1%	0	0	0	0.0%	0	1,122,799	657,473	63.1%	28	33,308	33,308	0	0.0%	0	0	0	0.0%	0	0	0	33,308	0.0%
188-03	5	362, 363	Lincoln	NC	2,075,230	1,107,652	967,578	46.6%	0	0	0	0.0%	0	967,578	1,107,652	46.6%	5,730	77,822	36,393	41,430	53.2%	0	0	0	0.0%	0	0	41,430	36,393	53.2%
20-1	1	46	Somerset	NC	1,773,828	4	1,773,824	100.0%	0	19,297	19,937	1.1%	20	1,753,887	19,941	98.9%	8	32,435	0	32,435	100.0%	0	0	0	0.0%	0	0	32,435	0	100.0%
20-2	1	46	Somerset	NC	1,773,827	5	1,773,823	100.0%	0	18,652	19,291	1.1%	20	1,754,531	19,296	98.9%	8	32,435	0	32,435	100.0%	0	0	0	0.0%	0	0	32,435	0	100.0%
20-3	1	46, 47	Somerset	NC	2,334,753	4	2,334,749	100.0%	0	24,457	25,097	1.1%	20	2,309,651	25,101	98.9%	18,363	128,756	0	128,756	100.0%	0	0	0	0.0%	0	0	128,756	0	100.0%
20-4	1	47	Somerset	NC	1,921,458	7	1,921,451	100.0%	5,711	29,729	35,440	1.8%	20	1,886,011	35,447	98.2%	900	53,328	0	53,328	100.0%	0	0	0	0.0%	0	0	53,328	0	100.0%
222-01	2	135	Somerset	NC	1,908,440	252,355	1,656,085	86.8%	0	100,696	116,310	6.1%	20	1,539,775	368,665	80.7%	1,058	51,579	25,770	25,809	50.0%	0	14,933	16,417	31.8%	0	0	9,392	42,187	18.2%
222-02	2	127	Somerset	NC	1,798,186	312,334	1,485,852	82.6%	26,131	84,022	110,152	6.1%	20	1,375,699	422,487	76.5%	69	35,758	0	35,758	100.0%	4,761	2,832	7,593	21.2%	0	0	28,164	7,593	78.8%
222-03	2	127	Somerset	NC	1,778,715	315,465	1,463,250	82.3%	26,131	83,246	109,377	6.1%	20	1,353,874	424,841	76.1%	11	33,112	0	33,112	100.0%	6,377	860	7,237	21.9%	0	0	25,875	7,237	78.1%
222-04	2	127	Somerset	NC	1,810,355	314,363	1,495,993	82.6%	26,131	84,552	110,683	6.1%	20	1,385,310	425,045	76.5%	102	37,407	0	37,407	100.0%	5,649	937	6,587	17.6%	0	0	30,821	6,587	82.4%
222-05	2	125, 126	Somerset	NC	1,846,514	369,097	1,477,418	80.0%	6,211	84,403	92,001	5.0%	20	1,385,416	461,098	75.0%	322	42,421	28,928	13,493	31.8%	0	1,456	1,679	4.0%	0	0	11,814	30,607	27.8%

Exhibit 7-6 USACE Vernal Pool Table

					Existing Condition in Vernal Pool Habitat (750')				Proposed Activity in Vernal Pool Habitat (750')					Vernal Pool Habitat (750')			Existing Conditions in Vernal Pool Depression and 100' Envelope					Proposed Activity in Vernal Pool Depression and 100' Envelope						Pool Depression and 100' Envelope		
Vernal Pool ID	Segment #	NRM #	COUNTY	Value (High, Medium, Low, No Compensation)	Total VP Habitat Area (sq ft)	Existing Non-Forested (sq ft)	Existing Forested (sq ft)	Existing Percent Forested	Proposed Wetland Clearing (sq ft)	Proposed Upland Clearing (sq ft)	Total Proposed Forest Clearing (sq ft)	Proposed Percent Additional Clearing	Direct Impact to VP Habitat (sq ft)	Proposed Forested (sq ft)	Proposed Non-Forested (sq ft)	Proposed Percent Forested	Pool Size (sq ft)	Total Habitat Area (sq ft)	Existing Non-Forested (sq ft)	Existing Forested (sq ft)	Existing Percent Forested	Proposed Wetland Clearing (sq ft)	Proposed Upland Clearing (sq ft)	Total Proposed Forest Clearing (sq ft)	Percent Forested	Pool Depression Direct Impact (sq ft)	Proposed Fill Envelope (sq ft)	Proposed Forested Conditions (sq ft)	Proposed Non-Forested Conditions (sq ft)	Proposed Percent Forested Condition
222-06	2	125, 126	Somerset	L	1,805,824	373,264	1,432,561	79.3%	6,211	83,727	91,325	5.1%	20	1,341,236	464,588	74.3%	164	36,857	25,075	11,783	32.0%	0	1,466	1,466	4.0%	0	0	10,317	26,541	28.0%
222-07	2	123	Somerset	L	1,774,986	403,330	1,371,656	77.3%	0	101,073	105,847	6.0%	20	1,265,808	509,178	71.3%	2	32,606	12,394	20,213	62.0%	0	10,141	10,141	31.1%	0	20	10,071	22,535	30.9%
222-08	2	118	Somerset	L	1,782,967	405,679	1,377,288	77.2%	59,999	50,832	110,831	6.2%	20	1,266,457	516,510	71.0%	25	33,689	22,906	10,783	32.0%	0	0	0	0.0%	0	0	10,783	22,906	32.0%
222-09	2	152	Somerset	L	2,047,082	1,086,722	960,360	46.9%	0	48,546	81,365	4.0%	20	878,995	1,168,087	42.9%	4,239	72,982	30,316	42,666	58.5%	0	0	0	0.0%	0	0	42,666	30,316	58.5%
222-10	2	135	Somerset	NC	1,813,262	242,778	1,570,484	86.6%	0	97,120	112,734	6.2%	20	1,457,750	355,512	80.4%	127	37,818	2,648	35,170	93.0%	0	10,807	12,291	32.5%	0	0	22,879	14,939	60.5%
222-11	2	135	Somerset	NC	1,836,898	245,919	1,590,979	86.6%	0	97,134	112,748	6.1%	20	1,478,231	358,667	80.5%	390	41,196	28,998	12,199	29.6%	0	4,360	5,741	13.9%	0	0	6,458	34,739	15.7%
222-12	2	127	Somerset	NC	1,787,501	314,827	1,472,674	82.4%	26,131	83,699	109,830	6.1%	20	1,362,844	424,657	76.2%	18	34,290	0	34,290	100.0%	5,770	1,441	7,210	21.0%	0	0	27,079	7,210	79.0%
24-1	1	55	Somerset	NC	1,861,502	25,369	1,836,134	98.6%	0	36,142	40,590	2.2%	20	1,795,543	65,959	96.5%	513	44,585	0	44,585	100.0%	0	5,035	5,035	11.3%	0	0	39,550	5,035	88.7%
25-1	1	57	Somerset	NC	1,874,896	23,629	1,851,267	98.7%	21,023	90,222	111,245	5.9%	27	1,740,021	134,874	92.8%	880	46,749	0	46,749	100.0%	0	0	0	0.0%	0	0	46,749	0	100.0%
26-1	1	59	Somerset	NC	1,799,178	49,023	1,750,156	97.3%	0	61,353	69,166	3.8%	20	1,680,989	118,189	93.4%	124	35,936	0	35,936	100.0%	0	0	0	0.0%	0	0	35,936	0	100.0%
29-1	1	64	Somerset	NC	1,794,093	327,386	1,466,707	81.8%	35	20,677	24,397	1.4%	20	1,442,310	351,783	80.4%	44	35,190	21,565	13,625	38.7%	0	2,092	3,774	10.7%	0	0	9,851	25,338	28.0%
29-100	1	63	Somerset	NC	2,071,672	501,492	1,570,180	75.8%	0	9,960	60,023	2.9%	20	1,510,157	561,514	72.9%	1,676	73,713	33,639	40,075	54.4%	0	0	5,045	6.8%	0	0	35,030	38,684	47.5%
29-2	1	63	Somerset	NC	2,114,913	272,602	1,842,311	87.1%	0	3,114	44,746	2.1%	20	1,797,565	317,348	85.0%	3,383	81,016	19,694	61,322	75.7%	0	0	5,696	7.0%	0	0	55,626	25,390	68.7%
29-4	1	63	Somerset	NC	2,209,645	283,782	1,925,862	87.2%	0	1,663	42,517	1.9%	20	1,883,346	326,299	85.2%	3,656	93,890	34,702	59,188	63.0%	0	0	3,651	3.9%	0	0	55,537	38,353	59.2%
31-1	1	70, 71	Somerset	NC	1,939,732	82,172	1,857,560	95.8%	2,517	39,360	55,554	2.9%	20	1,802,006	137,726	92.9%	3,259	57,536	6,159	51,378	89.3%	0	0	0	0.0%	0	0	51,378	6,159	89.3%
31-2	1	70	Somerset	NC	1,920,554	66,434	1,854,120	96.5%	23,425	46,060	91,921	4.8%	20	1,762,199	158,355	91.8%	469	52,417	12,470	39,947	76.2%	0	73	73	0.1%	0	0	39,875	12,543	76.1%
32-1	1	73	Somerset	NC	1,844,691	12,041	1,832,650	99.3%	12,610	70,413	83,024	4.5%	20	1,749,626	95,065	94.8%	522	42,400	510	41,890	98.8%	0	0	0	0.0%	0	0	41,890	510	98.8%
33-1	1	76	Somerset	NC	1,832,016	55,240	1,776,776	97.0%	0	70,110	70,110	3.8%	20	1,706,666	125,350	93.2%	346	40,508	0	40,508	100.0%	0	0	0	0.0%	0	0	40,508	0	100.0%
33-2	1	76	Somerset	NC	1,848,631	63,606	1,785,025	96.6%	0	73,655	73,655	4.0%	20	1,711,370	137,261	92.6%	135	42,543	0	42,543	100.0%	0	0	0	0.0%	0	0	42,543	0	100.0%
33-3	1	76	Somerset	NC	1,792,654	65,925	1,726,728	96.3%	0	75,416	75,416	4.2%	20	1,651,312	141,341	92.1%	38	34,992	0	34,992	100.0%	0	0	0	0.0%	0	0	34,992	0	100.0%
33-4	1	75	Somerset	NC	1,798,506	206,936	1,591,570	88.5%	3,377	50,171	53,847	3.0%	20	1,537,723	260,783	85.5%	56	35,790	2,426	33,364	93.2%	0	0	0	0.0%	0	0	33,364	2,426	93.2%
33-5	1	74, 75	Somerset	NC	1,830,065	150,531	1,679,534	91.8%	0	53,296	53,385	2.9%	20	1,626,148	203,916	88.9%	258	40,174	12,436	27,738	69.0%	0	4,773	4,773	11.9%	0	0	22,965	17,209	57.2%
33-6	1	74	Somerset	NC	1,845,105	121,667	1,723,438	93.4%	0	52,681	52,770	2.9%	20	1,670,668	174,437	90.5%	203	42,156	4,723	37,432	88.8%	0	0	0	0.0%	0	0	37,432	4,723	88.8%
33-7	1	74	Somerset	NC	1,810,714	142,689	1,668,025	92.1%	0	48,159	48,248	2.7%	20	1,619,776	190,937	89.5%	142	37,491	537	36,954	98.6%	0	0	0	0.0%	0	0	36,954	537	98.6%
35-1	1	80, 81	Somerset	NC	1,943,226	79,939	1,863,287	95.9%	11,286	57,550	68,836	3.5%	20	1,794,451	148,775	92.3%	730	55,846	0	55,846	100.0%	4,314	10,585	14,899	26.7%	0	0	40,946	14,899	73.3%
35-2	1	80	Somerset	NC	1,789,264	319,249	1,470,015	82.2%	8,073	13,011	21,084	1.2%	20	1,448,931	340,333	81.0%	36	34,538	22,233	12,305	35.6%	0	0	0	0.0%	0	0	12,305	22,233	35.6%
36-1	1	83	Somerset	L	1,832,720	891,508	941,212	51.4%	0	53,059	53,059	2.9%	20	888,153	944,567	48.5%	199	40,476	27,014	13,462	33.3%	0	0	0	0.0%	0	0	13,462	27,014	33.3%
36-2	1	81	Somerset	NC	1,811,422	17,547	1,793,875	99.0%	19,294	74,437	96,145	5.3%	20	1,697,729	113,692	93.7%	117	37,563	0	37,563	100.0%	0	0	0	0.0%	0	0	37,563	0	100.0%
37-1	1	84	Somerset	L	1,851,374	60,807	1,790,568	96.7%	0	90,641	97,346	5.3%	28	1,693,221	158,153	91.5%	142	42,920	6,624	36,295	84.6%	0	6,514	6,514	15.2%	0	14	29,782	13,138	69.4%
39-1	1	89	Somerset	NC	1,844,670	69,619	1,775,051	96.2%	1,968	80,376	82,344	4.5%	20	1,692,706	151,964	91.8%	310	42,168	0	42,168	100.0%	0	0	0	0.0%	0	0	42,168	0	100.0%
39-2	1	89	Somerset	NC	1,791,011	71,519	1,719,493	96.0%	1,968	81,057	83,025	4.6%	20	1,636,468	154,544	91.4%	40	34,774	0	34,774	100.0%	0	0	0	0.0%	0	0	34,774	0	100.0%
39-3	1	89	Somerset	NC	1,966,569	89,242	1,877,326	95.5%	2,090	82,586	84,676	4.3%	20	1,792,650	173,919	91.2%	1,090	59,321	0	59,321	100.0%	0	0	0	0.0%	0	0	59,321	0	100.0%
40-1	1	91, 92	Somerset	NC	1,785,855	120,751	1,665,104	93.2%	14,690	46,089	60,779	3.4%	20	1,604,325	181,530	89.8%	30	34,080	0	34,080	100.0%	0	0	0	0.0%	0	0	34,080	0	100.0%
40-2	1	91, 92	Somerset	NC	1,793,559	118,017	1,675,542	93.4%	14,690	47,771	62,461	3.5%	20	1,613,081	180,478	89.9%	55	35,141	0	35,141	100.0%	0	0	0	0.0%	0	0	35,141	0	100.0%
40-3	1	91, 92	Somerset	NC	1,779,399	117,783	1,661,616	93.4%	14,690	49,247	63,937	3.6%	20	1,597,679	181,720	89.8%	13	33,205	0	33,205	100.0%	0	0	0	0.0%	0	0	33,205	0	100.0%
40-4	1	92	Somerset	NC	1,794,341	114,586	1,679,755	93.6%	14,690	64,264	78,954	4.4%	20	1,600,802	193,540	89.2%	51	35,231	0	35,231	100.0%	5,775	3,885	9,660	27.4%	0	0	25,571	9,660	72.6%
40-5	1	91	Somerset	NC	2,043,140	154,163	1,888,978	92.5%	23,296	8,547	31,843	1.6%	20	1,857,135	186,006	90.9%	5,552	73,940	16,830	57,110	77.2%	37	0	37	0.0%	0	0	57,073	16,867	77.2%
40-6	1	91	Somerset	NC	2,090,732	135,060	1,955,672	93.5%	22,901	8,547	31,448	1.5%	20	1,924,225	166,507	92.0%	4,137	79,796	2,361	77,435	97.0%	0	0	0	0.0%	0	0	77,435	2,361	97.0%
41-1	1	93	Somerset	NC	1,851,591	26,084	1,825,507	98.6%	18,632	70,271	88,903	4.8%	20	1,736,604	114,987	93.8%	582	43,361	0	43,361	100.0%	6,876	5,511	12,387	28.6%	0	0	30,975	12,387	71.4%
41-2	1	92	Somerset	NC	1,990,472	58,539	1,931,933	97.1%	16,399	67,218	83,617	4.2%	20	1,848,316	142,156	92.9%	2,587	64,185	0	64,185	100.0%	0	0	0	0.0%	0	0	64,185	0	100.0%
42-1	1	95, 96	Somerset	NC	1,802,237	56,797	1,745,440	96.8%	6,917	86,942	93,859	5.2%	20	1,651,581	150,656	91.6%	90	36,316	7,652	28,665	78.9%	0	5,757	5,757	15.9%	0	0	22,908	13,408	63.1%
42-2	1	95	Somerset	NC	1,785,348	78,656	1,706,692	95.6%	6,879	48,815	55,694	3.1%	20	1,650,998	134,350	92.5%	34	34,014	0	34,014	100.0%	0	0	0	0.0%	0	0	34,014	0	100.0%
43-1	1	97	Somerset	NC	1,934,536	114,847	1,819,689	94.1%	0	84,731	87,741	4.5%	20	1,731,948	202,588	89.5%	845	54,805	21,372	33,434	61.0%	0	846	846	1.5%	0	0	32,588	22,217	59.5%
43-2	1	98	Somerset	NC	1,915,733	83,979	1,831,754	95.6%	0	75,343	78,353	4.1%	20	1,753,400	162,332	91.5%	1,956	53,238	0	53,238	100.0%	0	0	0	0.0%	0	0	53,238	0	100.0%
45-2	1	100	Somerset	NC	1,835,834	39,207	1,796,627	97.9%	11,616	29,233	40,849	2.2%	20	1,755,778	80,056	95.6%	425	41,085	0	41,085	100.0%	0	3,270	3,270	8.0%	0	0	37,815	3,270	92.0%
46-1	1	101	Somerset	NC	1,947,888	23,497	1,924,391	98.8%	0	42,050	42,050	2.2%	20	1,882,340	65,548	96.6%	2,582	57,971	0	57,971	100.0%	0	0	0	0.0%	0	0	57,971	0	100.0%
46-2	1	101	Somerset	NC	2,154,502	23,239	2,131,263	98.9%	0	43,414	43,414	2.0%	20	2,087,849	66,653	96.9%	13,880	96,066	0	96,066	100.0%	0	0	0	0.0%	0	0	96,066	0	100.0%
48-1	1	106	Somerset	NC	1,798,619	73,735	1,724,883	95.9%	0	78,207	78,979	4.4%	20	1,645,905	152,714	91.5%	110	35,849	4,545	31,305	87.3%	0	0	0	0.0%	0	0	31,305	4,545	87.3%
48-2	1	106	Somerset	NC	1,790,496	77,320	1,713,177	95.7%	0	76,232	77,004	4.3%	20	1,636,173	154,323	91.4%	49	34,716	4,966	29,750	85.7%	0	0	0	0.0%	0	0	29,750	4,966	85.7%
48-3	1	106	Somerset	NC	1,782,400	81,067	1,701,333	95.5%	0	73,326	74,098	4.2%	20	1,627,235	155,166	91.3%	22	33,613	5,153	28,460	84.7%	0	0	0	0.0%	0	0	28,460	5,153	84.7%
48-4	1	105	Somerset	NC	1,835,030	113,834	1,721,196	93.8%	1,218	59,541	60,759	3.3%	20	1,660,437	174,593	90.5%	454	41,003	2,530	38,473	93.8%	0	476	476	1.2%	0	0	37,997	3,006	92.7%
48-5	1	106	Somerset	NC	1,773,828	74,941	1,698,888	95.8%	0	76,176	76,948	4.3%	20	1,621,939	151,889	91.4%	8	32,435	4,663	27,772	85.6%	0	0	0	0.0%	0	0	27,772	4,663	85.6%
49-1	1	108	Somerset	L	1,793,449	245,216	1,548,233	86.3%	8,559	77,345	85,905	4.8%	9,339	1,462,328	331,120	81.5%	47	35,108	0	35,108	100.0%	0	0	0	0.0%	0	0	35,108	0	100.0%
49-10	1	107	Somerset	M	1,852,554	465,824	1,386,730	74.9%	17,997	52,322	70,320	3.8%	20	1,316,410	536,144	71.1%	798	43,638	25,506	18,132	41.6%	411	0	411	0.9%	0	0	17,720	25,918	40.6%
49-12	1	107	Somerset	M	1,992,953	609,699	1,383,254	69.4%	7,261	65,445	72,706	3.6%	20	1,310,548	682,405	65.8%	5,162	66,320	25,084	41,236	62.2%	0	0	0	0.0%	0	0	41,236	25,084	62.2%
49-2	1	108	Somerset	L	1,800,731	557,123	1,243,608	69.1%	8,559	67,045	75,604	4.2%	10,593	1,168,004	632,727	64.9%	66	36,095	0	36,095	100.0%	0	0	0	0.0%	0	0	36,095	0	100.0%
49-3	1	108	Somerset	L	1,773,827	617,803	1,156,025	65.2%	8,559	63,922	72,481	4.1%	17,282	1,083,544	690,283	61.1%	8	32,435	0	32,435	100.0%	0	0	0	0.0%	0	0	32,435	0	100.0%
49-4	1	108	Somerset	L	1,789,600	750,528	1,039,072	58.1%	8,559	57,127	65,686	3.7%	710	973,387	816,213	54.4%	42	34,590	0	34,590	100.0%	0	0	0	0.0%	0	0	34,590	0	100.0%
49-6	1	107	Somerset	M	1,809,841	858,086	951,755	52.6%	17,997	21,540	39,537	2.2%	20	912,218	897,623	50.4%	190	37,417	0	37,417	100.0%	10,979	520	11,500	30.7%	0	0	25,917	11,500	69.3%
49-7	1	107	Somerset	M	1,783,454	787,304	996,150	55.9%	17,997	35,679	53,676	3.0%	20	942,473	840,980	52.8%	32	33,760	29,301	4,459	13.2%	773	0	773	2.3%	0	0	3,687	30,074	10.9%
49-8	1	107	Somerset	M	1,802,334	829,798	972,536	54.0%	17,997	34,462	52,460	2.9%	20	920,076	882,257	51.0%	90	36,329	23,895	12,433	34.2%	1,195	0	1,195	3.3%	0	0	11,239	25,090	30.9%
49-9	1	107	Somerset	M	1,821,619	802,948	1,018,671	55.9%	16,410	39,311	55,721	3.1%	20	962,950	858,669	52.9%	288	39,070	37,783	1,287	3.3%	0	0	0	0.0%	0	0	1,287	37,783	3.3%
52-2	1	116	Somerset	NC	1,819,794	33,518	1,786,276	98.2%	22,179	66,613	89,354	4.9%	28	1,696,922	122,872	93.2%	294	38,833	4,869	33,964	87.5%	0	0	0	0.0%	0	0	33,964	4,869	87.5%
52-3	1	116	Somerset	NC	1,797,644	32,208	1,765,436	98.2%	20,980	67,947	89,489	5.0%	28	1,675,947	121,697	93.2%	84	35,698	3,331	32,367	90.7%	0	0	0	0.0%	0	0	32,367	3,331	90.7%
52-4	1	116	Somerset	NC	1,796,831	31,985	1,764,846	98.2%	20,785	69,011	90,358	5.0%	28	1,674,488	122,343	93.2%	84	35,589	2,862	32,727	92.0%	102	0	102	0.3%	0	0	32,625	2,965	91.7%
52-5	1	116	Somerset	NC	1,942,446	29,690	1,912,756	98.5%	13,256	81,010	95,050	4.9%	20	1,817,706	124,740	93.6%	1,159	55,995	5,934	50,061	89.4%	941	2,869	3,809	6.8%	0	14	46,251	9,743	82.6%
68-01	2	151	Somerset	L	1,789,733	640,065	1,149,667	64.2%	0	37,477	49,049	2.7%	28	1,100,619	689,114	61.5%	78	34,613	33,095	1,518	4.4%	0	0	1,467	4.2%	0	0	51	34,562	0.1%
68-02	2	150, 151	Somerset	NC	1,789,732	244,579	1,545,153	86.3%	0	60,634	98,741	5.5%	20	1,446,412	343,320	80.8%	78	34,613	24,148	10,464	30.2%	0	6,451	10,171	29.4%	0	20	293	34,319	0.8%
68-03	2	150	Somerset	NC	1,789,733	247,361	1,542,371	86.2%	0	51,989	96,104	5.4%	20	1,446,268	343,465	80.8%	78	34,613	24,254	10,359	29.9%	0	5,098	9,842	28.4%	0	0	517	34,096	1.5%
72-101	2	159	Somerset	NC	1,780,272	175,166	1,605,106	90.2%	0	105,887	109,795	6.2%	20	1,495,311	284,962	84.0%	28	33,308	14,278	19,030	57.1%	0	12,174	13,842	41.6%	0	0	5,188	28,120	15.6%
72-102	2	159	Somerset	NC	1,809,521	176,366	1,633,155	90.3%	0	106,283	110,191	6.1%	20	1,522,963	286,558	84.2%	141	37,332	20,739	16,593	44.4%	0	11,124	12,793	34.3%	0	0	3,800	33,532	10.2%
75-101	3	167	Somerset	NC	1,829,946	221,795	1,608,151	87.9%	21,697	92,303	114,000	6.2%	20	1,494,151	335,795	81.7%	188	40,144	2,442	37,702	93.9%	5,015	9,490	14,505	36.1%	0	0	23,197	16,947	57.8%
75-102	3	167	Somerset	NC	1,835,097	215,020	1,620,077	88.3%	21,697	90,993	112,690	6.1%	20	1,507,388	327,710	82.1%	448	41,007	5	41,002	100.0%	2,243	10,474	12,718	31.0%	0	0	28,285	12,723	69.0%
75-103	3	167	Somerset	NC	1,910,836	205,186	1,705,650	89.3%	21,697	84,937	106,633	5.6%	28	1,599,016	311,820	83.7%	1,987	52,605	0	52,605	100.0%	0	1,760	1,760	3.3%	0	0	50,844	1,760	96.7%
75-104	3	166, 167	Somerset	NC	2,061,366	364,029	1,697,336	82.3%	0	101,929	101,929	4.9%	20	1,595,407	465,959	77.4%	7,238	77,061	50,381	26,681	34.6%	0	29	29	0.0%	0	0	26,651	50,410	34.6%
77-01	3	171	Somerset	NC	2,241,810	433,166	1,808,643	80.7%	0	86,101	107,154	4.8%	20	1,701,489	540,321	75.9%	16,759	111,619	57,822	53,797	48.2%	0	0	0	0.0%	0	0	53,797	57,822	48.2%
77-02	3	170, 171	Somerset	L	2,620,866	587,467	2,033,400	77.6%	0	128,224	128,336	4.9%	20	1,905,064	715,803	72.7%	44,627	190,118	92,021	98,097	51.6%	0	33,987	34,100	17.9%	0	20	63,997	126,121	33.7%
77-03	3	170	Somerset	NC	2,053,347	315,413	1,737,934	84.6%	0	97,565	97,677	4.8%	20	1,640,257	413,091	79.9%	7,450	76,656	3,393	73,263	95.6%	0	2,443	2,443	3.2%	0	0	70,820	5,836	92.4%
79-01	3	175	Somerset	NC	1,934,068	249,002	1,685,066	87.1%	657	109,103	116,530	6.0%	20	1,568,536	365,532	81.1%	741	54,430	38,718	15,712	28.9%	0	0	0	0.0%	0	0	15,712	38,718	28.9%
79-02	3	174	Somerset	NC	1,780,273	238,690	1,541,583	86.6%	0	50,264	105,782	5.9%	20	1,435,802	344,471	80.7%	28	33,308	26,066	7,242	21.7%	0	0	0	0.0%	0	0	7,242	26,066	21.7%
79-03	3	174	Somerset	NC	1,975,284	238,235	1,737,049	87.9%	0	55,082	110,552	5.6%	20	1,626,497	348,787	82.3%	1,334	60,480	20,304	40,177	66.4%	0	239	13,423	22.2%	0	0	26,753	33,727	44.2%
79-04	3	174	Somerset	NC	1,782,636	250,350	1,532,286	86.0%	0	50,198	105,716	5.9%	20	1,426,570	356,066	80.0%	38	33,632	26,930	6,702	19.9%	0	0	0	0.0%	0	0	6,702	26,930	19.9%

Exhibit 7-6 USACE Vernal Pool Table

					Existing Condition in Vernal Pool Habitat (750')				Proposed Activity in Vernal Pool Habitat (750')					Vernal Pool Habitat (750')			Existing Conditions in Vernal Pool Depression and 100' Envelope					Proposed Activity in Vernal Pool Depression and 100' Envelope						Pool Depression and 100' Envelope		
Vernal Pool ID	Segment #	NRM #	COUNTY	Value (High, Medium, Low, No Compensation)	Total VP Habitat Area (sq ft)	Existing Non-Forested (sq ft)	Existing Forested (sq ft)	Existing Percent Forested	Proposed Wetland Clearing (sq ft)	Proposed Upland Clearing (sq ft)	Total Proposed Forest Clearing (sq ft)	Proposed Percent Additional Clearing	Direct Impact to VP Habitat (sq ft)	Proposed Forested (sq ft)	Proposed Non-Forested (sq ft)	Proposed Percent Forested	Pool Size (sq ft)	Total Habitat Area (sq ft)	Existing Non-Forested (sq ft)	Existing Forested (sq ft)	Existing Percent Forested	Proposed Wetland Clearing (sq ft)	Proposed Upland Clearing (sq ft)	Total Proposed Forest Clearing (sq ft)	Percent Forested	Pool Depression Direct Impact (sq ft)	Proposed Fill Envelope (sq ft)	Proposed Forested Conditions (sq ft)	Proposed Non-Forested Conditions (sq ft)	Proposed Percent Forested Condition
79-05	3	174	Somerset	NC	1,789,733	257,948	1,531,785	85.6%	107	62,378	106,093	5.9%	20	1,425,693	364,040	79.7%	78	34,613	26,615	7,997	23.1%	0	0	0	0.0%	0	0	7,997	26,615	23.1%
79-06	3	174	Somerset	NC	1,780,273	257,977	1,522,296	85.5%	5,949	80,079	108,534	6.1%	20	1,413,763	366,510	79.4%	28	33,308	31,215	2,093	6.3%	0	0	0	0.0%	0	0	2,093	31,215	6.3%
80-01	3	178	Somerset	NC	1,910,394	199,823	1,710,571	89.5%	7,717	96,914	106,637	5.6%	20	1,603,933	306,461	84.0%	1,810	52,227	0	52,227	100.0%	0	0	0	0.0%	0	0	52,227	0	100.0%
80-02	3	177, 178	Somerset	NC	1,780,273	239,296	1,540,976	86.6%	8,327	101,570	111,903	6.3%	20	1,429,073	351,199	80.3%	28	33,308	25,548	7,760	23.3%	1,450	3,449	4,899	14.7%	0	0	2,860	30,448	8.6%
80-03	3	177	Somerset	H	1,985,282	273,520	1,711,763	86.2%	23,353	94,015	117,368	5.9%	20	1,594,395	390,887	80.3%	4,547	65,132	23,329	41,803	64.2%	11,739	9,268	21,007	32.3%	0	20	20,796	44,336	31.9%
80-04	3	177	Somerset	H	1,828,737	265,135	1,563,602	85.5%	23,030	90,215	113,245	6.2%	20	1,450,357	378,380	79.3%	316	40,046	8,098	31,948	79.8%	12,238	4,774	17,012	42.5%	0	20	14,936	25,110	37.3%
80-05	3	176	Somerset	L	1,789,734	387,690	1,402,044	78.3%	5,055	104,041	109,096	6.1%	20	1,292,947	496,786	72.2%	78	34,613	22,454	12,158	35.1%	0	0	0	0.0%	0	0	12,158	22,454	35.1%
80-06	3	177	Somerset	NC	1,936,370	244,610	1,691,760	87.4%	16,008	99,039	117,054	6.0%	20	1,574,706	361,663	81.3%	2,690	56,597	4,537	52,061	92.0%	1,403	16,444	17,847	31.5%	0	0	34,213	22,384	60.5%
81-01	3	180	Somerset	NC	2,176,886	277,127	1,899,759	87.3%	17,320	107,812	126,720	5.8%	20	1,773,039	403,847	81.4%	7,549	95,586	32,626	62,960	65.9%	10,183	17,872	28,056	29.4%	0	0	34,905	60,682	36.5%
81-02	3	180	Somerset	NC	1,943,778	239,714	1,704,064	87.7%	17,411	98,127	115,538	5.9%	20	1,588,526	355,252	81.7%	3,484	58,134	0	58,134	100.0%	0	8,584	8,584	14.8%	0	0	49,550	8,584	85.2%
81-03	3	179, 180	Somerset	L	2,019,015	269,267	1,749,748	86.7%	19,175	104,572	123,747	6.1%	20	1,626,002	393,014	80.5%	4,960	69,444	28,902	40,542	58.4%	9,105	16,563	25,668	37.0%	0	0	14,874	54,570	21.4%
81-04	3	179	Somerset	L	1,894,098	252,767	1,641,331	86.7%	19,175	96,212	115,387	6.1%	23	1,525,944	368,154	80.6%	1,564	49,892	10,538	39,354	78.9%	5,849	11,732	17,581	35.2%	0	20	21,772	28,120	43.6%
81-05	3	180	Somerset	NC	1,881,514	245,573	1,635,941	86.9%	13,562	95,711	109,272	5.8%	20	1,526,669	354,845	81.1%	1,079	47,743	11,900	35,843	75.1%	0	0	0	0.0%	0	0	35,843	11,900	75.1%
82-01	3	181	Somerset	NC	1,780,273	209,564	1,570,709	88.2%	4,480	106,718	111,198	6.2%	3	1,459,511	320,762	82.0%	28	33,308	25,382	7,926	23.8%	6	757	764	2.3%	0	0	7,163	26,145	21.5%
82-02	3	181	Somerset	NC	1,780,273	209,600	1,570,673	88.2%	4,480	106,311	110,790	6.2%	20	1,459,883	320,390	82.0%	28	33,308	26,641	6,667	20.0%	0	0	0	0.0%	0	0	6,667	26,641	20.0%
82-03	3	181	Somerset	NC	1,813,492	229,196	1,584,296	87.4%	402	108,927	111,385	6.1%	20	1,472,910	340,582	81.2%	312	37,983	28,490	9,494	25.0%	0	0	0	0.0%	0	0	9,494	28,490	25.0%
82-04	3	181	Somerset	NC	1,947,117	241,327	1,705,790	87.6%	3,776	113,673	119,505	6.1%	20	1,586,285	360,832	81.5%	1,927	57,426	28,734	28,691	50.0%	0	17,946	20,002	34.8%	0	0	8,690	48,736	15.1%
82-05	3	182, 183	Somerset	NC	1,780,273	286,146	1,494,127	83.9%	0	71,431	112,652	6.3%	20	1,381,475	398,798	77.6%	28	33,308	17,288	16,019	48.1%	0	3,364	13,167	39.5%	0	0	2,853	30,455	8.6%
82-06	3	182, 183	Somerset	NC	1,865,863	287,342	1,578,521	84.6%	0	75,841	114,552	6.1%	20	1,463,969	401,895	78.5%	914	45,512	27,507	18,005	39.6%	0	2,591	13,919	30.6%	0	0	4,086	41,426	9.0%
82-07	3	180	Somerset	NC	1,907,329	250,206	1,657,123	86.9%	17,320	89,791	109,167	5.7%	20	1,547,955	359,374	81.2%	1,712	52,064	16,109	35,956	69.1%	0	0	0	0.0%	0	0	35,956	16,109	69.1%
83-01	3	183	Somerset	M	1,850,599	528,711	1,321,888	71.4%	0	80,877	109,475	5.9%	20	1,212,413	638,186	65.5%	662	43,260	39,902	3,358	7.8%	0	124	230	0.5%	0	0	3,128	40,132	7.2%
83-02	3	183	Somerset	M	2,236,468	604,444	1,632,024	73.0%	2,106	87,485	117,527	5.3%	20	1,514,497	721,970	67.7%	14,556	111,576	11,553	100,023	89.6%	0	7,135	9,326	8.4%	0	0	90,697	20,879	81.3%
83-03	3	183	Somerset	NC	1,846,329	277,042	1,569,287	85.0%	0	79,630	113,161	6.1%	20	1,456,126	390,203	78.9%	561	42,602	0	42,602	100.0%	0	5,094	10,282	24.1%	0	0	32,320	10,282	75.9%
83-04	3	183	Somerset	M	2,061,025	857,501	1,203,523	58.4%	2,106	85,216	102,059	5.0%	20	1,101,465	959,560	53.4%	6,104	77,124	50,722	26,402	34.2%	0	0	0	0.0%	0	0	26,402	50,722	34.2%
83-05	3	183, 184	Somerset	M	1,831,305	671,678	1,159,627	63.3%	2,106	89,422	96,864	5.3%	20	1,062,762	768,543	58.0%	228	40,313	21,303	19,010	47.2%	0	0	0	0.0%	0	0	19,010	21,303	47.2%
83-06	3	184	Somerset	NC	1,839,738	264,640	1,575,098	85.6%	6,991	92,336	104,434	5.7%	20	1,470,664	369,074	79.9%	459	41,636	6,374	35,262	84.7%	0	4,742	4,742	11.4%	0	0	30,520	11,116	73.3%
83-07	3	184	Somerset	NC	1,878,891	364,126	1,514,765	80.6%	6,991	92,257	103,736	5.5%	20	1,411,030	467,861	75.1%	955	47,382	20,378	27,004	57.0%	0	0	0	0.0%	0	0	27,004	20,378	57.0%
83-08	3	184	Somerset	NC	2,085,358	345,962	1,739,396	83.4%	6,991	102,130	114,458	5.5%	20	1,624,938	460,420	77.9%	3,193	79,745	43,201	36,545	45.8%	0	19,345	21,256	26.7%	0	0	15,289	64,457	19.2%
83-09	3	184	Somerset	NC	1,910,483	285,756	1,624,726	85.0%	6,202	93,319	104,858	5.5%	20	1,519,868	390,614	79.6%	752	51,434	1,366	50,068	97.3%	0	0	0	0.0%	0	0	50,068	1,366	97.3%
83-10	3	183	Somerset	M	1,804,943	596,065	1,208,877	67.0%	2,106	73,862	96,232	5.3%	20	1,112,645	692,298	61.6%	76	36,665	0	36,665	100.0%	0	0	0	0.0%	0	0	36,665	0	100.0%
83-11	3	184	Somerset	NC	1,919,688	370,536	1,549,152	80.7%	0	96,513	101,849	5.3%	20	1,447,303	472,385	75.4%	962	53,246	16,084	37,163	69.8%	0	16,372	18,723	35.2%	0	0	18,440	34,807	34.6%
83-12	3	184	Somerset	M	1,780,274	548,218	1,232,055	69.2%	1,867	88,458	95,662	5.4%	20	1,136,394	643,880	63.8%	28	33,308	26,689	6,619	19.9%	0	0	0	0.0%	0	0	6,619	26,689	19.9%
85-01	3	189	Somerset	NC	2,007,976	241,128	1,766,848	88.0%	1,876	110,284	116,782	5.8%	20	1,650,066	357,910	82.2%	2,989	66,578	0	66,578	100.0%	0	0	0	0.0%	0	0	66,578	0	100.0%
86-01	3	189, 190	Somerset	NC	1,874,904	249,902	1,625,002	86.7%	1,876	69,052	109,098	5.8%	20	1,515,904	359,000	80.9%	1,112	46,929	8,501	38,427	81.9%	0	7,270	15,230	32.5%	0	0	23,197	23,732	49.4%
86-02	3	191	Somerset	NC	1,813,389	306,291	1,507,097	83.1%	0	58,802	98,446	5.4%	20	1,408,651	404,737	77.7%	234	37,926	27,197	10,729	28.3%	0	0	0	0.0%	0	0	10,729	27,197	28.3%
86-03	3	191	Somerset	NC	1,813,756	303,259	1,510,497	83.3%	0	59,132	98,776	5.4%	20	1,411,721	402,035	77.8%	210	37,956	28,337	9,619	25.3%	0	0	0	0.0%	0	0	9,619	28,337	25.3%
86-04	3	191	Somerset	NC	2,291,541	353,749	1,937,792	84.6%	0	72,848	119,435	5.2%	20	1,818,357	473,184	79.4%	16,971	116,775	26,331	90,445	77.5%	0	6,545	31,295	26.8%	0	0	59,150	57,626	50.7%
86-05	3	191	Somerset	NC	2,061,424	342,770	1,718,655	83.4%	0	65,173	104,839	5.1%	20	1,613,815	447,609	78.3%	7,062	77,413	0	77,413	100.0%	0	1,615	2,708	3.5%	0	0	74,705	2,708	96.5%
86-06	3	191	Somerset	NC	1,780,273	269,690	1,510,584	84.9%	0	91,499	98,142	5.5%	20	1,412,442	367,832	79.3%	28	33,308	25,447	7,861	23.6%	0	0	0	0.0%	0	0	7,861	25,447	23.6%
86-07	3	191	Somerset	NC	2,472,492	387,003	2,085,488	84.3%	0	72,376	108,711	4.4%	20	1,976,777	495,714	80.0%	28,378	154,183	74,674	79,509	51.6%	0	13,062	14,348	9.3%	0	20	65,161	89,022	42.3%
86-08	3	190	Somerset	NC	1,780,273	228,051	1,552,222	87.2%	0	108,906	109,296	6.1%	20	1,442,926	337,347	81.1%	28	33,308	24,445	8,863	26.6%	0	0	0	0.0%	0	0	8,863	24,445	26.6%
86-09	3	190	Somerset	NC	2,013,168	234,304	1,778,864	88.4%	0	115,124	115,514	5.7%	20	1,663,350	349,818	82.6%	6,618	70,146	0	70,146	100.0%	0	7	7	0.0%	0	0	70,139	7	100.0%
86-10	3	190	Somerset	NC	1,909,586	210,394	1,699,192	89.0%	0	110,827	111,217	5.8%	20	1,587,975	321,611	83.2%	2,007	52,290	0	52,290	100.0%	0	0	0	0.0%	0	0	52,290	0	100.0%
86-11	3	191	Somerset	NC	1,796,003	287,092	1,508,911	84.0%	0	51,615	104,748	5.8%	20	1,404,163	391,840	78.2%	78	35,378	25,101	10,277	29.0%	0	0	0	0.0%	0	0	10,277	25,101	29.0%
86-12	3	191	Somerset	NC	1,813,457	296,888	1,516,569	83.6%	0	52,806	101,007	5.6%	20	1,415,561	397,896	78.1%	264	37,962	26,133	11,828	31.2%	0	0	0	0.0%	0	0	11,828	26,133	31.2%
86-13	3	189, 190	Somerset	NC	1,834,377	247,436	1,586,941	86.5%	1,876	62,609	100,851	5.5%	20	1,486,090	348,287	81.0%	415	40,882	8,299	32,583	79.7%	0	0	0	0.0%	0	0	32,583	8,299	79.7%
87-01	3	191, 192	Somerset	NC	1,816,366	284,541	1,531,825	84.3%	0	45,095	106,423	5.9%	20	1,425,402	390,965	78.5%	145	38,152	25,930	12,221	32.0%	0	0	0	0.0%	0	0	12,221	25,930	32.0%
87-02	3	191, 192	Somerset	NC	1,863,750	279,897	1,583,853	85.0%	0	54,112	109,425	5.9%	20	1,474,428	389,322	79.1%	255	44,661	28,723	15,938	35.7%	0	0	0	0.0%	0	0	15,938	28,723	35.7%
87-03	3	192	Somerset	H	1,780,273	240,676	1,539,597	86.5%	918	86,905	110,794	6.2%	20	1,428,803	351,470	80.3%	28	33,308	19,881	13,427	40.3%	0	12,585	12,585	37.8%	0	20	842	32,466	2.5%
87-04	3	192	Somerset	NC	1,934,135	242,473	1,691,662	87.5%	4,322	108,692	113,014	5.8%	20	1,578,648	355,487	81.6%	2,692	56,582	0	56,582	100.0%	0	8,708	8,708	15.4%	0	0	47,875	8,708	84.6%
87-05	3	193	Somerset	NC	1,851,475	238,873	1,612,602	87.1%	9,302	105,132	115,757	6.3%	20	1,496,844	354,630	80.8%	262	42,923	26,251	16,672	38.8%	2,240	13,167	15,407	35.9%	0	0	1,265	41,658	2.9%
87-06	3	193	Somerset	NC	1,780,274	232,821	1,547,452	86.9%	9,302	100,188	111,643	6.3%	20	1,435,809	344,464	80.7%	28	33,308	23,312	9,996	30.0%	161	9,495	9,656	29.0%	0	0	340	32,968	1.0%
87-07	3	193, 194	Somerset	NC	1,856,930	234,201	1,622,729	87.4%	9,302	94,960	107,398	5.8%	20	1,515,331	341,598	81.6%	661	44,102	6,292	37,810	85.7%	0	0	0	0.0%	0	0	37,810	6,292	85.7%
87-08	3	193	Somerset	NC	1,780,273	232,751	1,547,522	86.9%	9,302	97,780	111,028	6.2%	20	1,436,494	343,779	80.7%	28	33,308	26,906	6,402	19.2%	1,347	3,876	5,223	15.7%	0	0	1,179	32,129	3.5%
87-09	3	193, 194	Somerset	NC	1,825,052	230,582	1,594,471	87.4%	9,302	95,063	107,869	5.9%	20	1,486,602	338,451	81.5%	185	39,441	18,335	21,105	53.5%	0	0	0	0.0%	0	0	21,105	18,335	53.5%
87-10	3	194	Somerset	NC	1,881,763	245,172	1,636,591	87.0%	6,878	100,722	110,736	5.9%	20	1,525,856	355,908	81.1%	1,094	47,776	30,848	16,927	35.4%	0	0	0	0.0%	0	0	16,927	30,848	35.4%
88-01	3	194	Somerset	NC	1,780,273	238,694	1,541,579	86.6%	6,878	95,924	105,938	6.0%	20	1,435,641	344,632	80.6%	28	33,308	25,362	7,946	23.9%	0	0	0	0.0%	0	0	7,946	25,362	23.9%

Exhibit 7-6 USACE Vernal Pool Table

Vernal Pool ID	Segment #	NRM #	COUNTY	Value (High, Medium, Low, No Compensation)	Existing Condition in Vernal Pool Habitat (750')				Proposed Activity in Vernal Pool Habitat (750')					Vernal Pool Habitat (750')			Existing Conditions in Vernal Pool Depression and 100' Envelope					Proposed Activity in Vernal Pool Depression and 100' Envelope						Pool Depression and 100' Envelope		
					Total VP Habitat Area (sq ft)	Existing Non-Forested (sq ft)	Existing Forested (sq ft)	Existing Percent Forested	Proposed Wetland Clearing (sq ft)	Proposed Upland Clearing (sq ft)	Total Proposed Forest Clearing (sq ft)	Proposed Percent Additional Clearing	Direct Impact to VP Habitat (sq ft)	Proposed Forested (sq ft)	Proposed Non-Forested (sq ft)	Proposed Percent Forested	Pool Size (sq ft)	Total Habitat Area (sq ft)	Existing Non-Forested (sq ft)	Existing Forested (sq ft)	Existing Percent Forested	Proposed Wetland Clearing (sq ft)	Proposed Upland Clearing (sq ft)	Total Proposed Forest Clearing (sq ft)	Percent Forested	Pool Depression Direct Impact (sq ft)	Proposed Fill Envelope (sq ft)	Proposed Forested Conditions (sq ft)	Proposed Non-Forested Conditions (sq ft)	Proposed Percent Forested Condition
88-02	3	194	Somerset	NC	1,926,472	265,703	1,660,769	86.2%	24,584	77,242	104,962	5.4%	20	1,555,807	370,665	80.8%	2,808	55,234	34,588	20,646	37.4%	0	0	0	0.0%	0	0	20,646	34,588	37.4%
88-03	3	194	Somerset	NC	1,780,273	253,321	1,526,952	85.8%	24,584	76,505	101,089	5.7%	20	1,425,863	354,410	80.1%	28	33,308	25,496	7,812	23.5%	0	0	0	0.0%	0	0	7,812	25,496	23.5%
88-04	3	194	Somerset	NC	1,780,273	252,468	1,527,805	85.8%	24,584	76,743	101,327	5.7%	20	1,426,478	353,795	80.1%	28	33,308	25,176	8,132	24.4%	0	0	0	0.0%	0	0	8,132	25,176	24.4%
88-06	3	194	Somerset	NC	1,956,031	268,680	1,687,351	86.3%	24,584	86,127	110,711	5.7%	20	1,576,640	379,391	80.6%	190	56,908	39,382	17,526	30.8%	0	0	0	0.0%	0	0	17,526	39,382	30.8%
88-07	3	194, 195	Somerset	NC	1,780,274	233,684	1,546,590	86.9%	10,836	97,857	108,693	6.1%	20	1,437,897	342,377	80.8%	28	33,308	21,371	11,937	35.8%	0	0	0	0.0%	0	0	11,937	21,371	35.8%
88-08	3	194, 195	Somerset	NC	1,803,016	234,973	1,568,043	87.0%	5,729	105,124	110,853	6.1%	20	1,457,190	345,826	80.8%	102	36,423	24,975	11,448	31.4%	0	0	0	0.0%	0	0	11,448	24,975	31.4%
88-09	3	195	Somerset	NC	1,789,733	230,036	1,559,697	87.1%	0	109,928	109,928	6.1%	20	1,449,769	339,964	81.0%	78	34,613	22,656	11,957	34.5%	0	0	0	0.0%	0	0	11,957	22,656	34.5%
88-10	3	195	Somerset	NC	1,780,274	221,782	1,558,492	87.5%	21,023	88,827	109,850	6.2%	20	1,448,642	331,632	81.4%	28	33,308	25,123	8,185	24.6%	0	76	76	0.2%	0	0	8,108	25,200	24.3%
89-01	3	196	Somerset	NC	1,834,239	334,310	1,499,929	81.8%	1,179	100,862	102,646	5.6%	20	1,397,283	436,956	76.2%	239	40,711	12,620	28,091	69.0%	0	0	0	0.0%	0	0	28,091	12,620	69.0%
90-01	3	200	Somerset	L	2,092,537	1,241,075	851,462	40.7%	0	71,500	73,331	3.5%	20	778,131	1,314,406	37.2%	8,319	83,161	67,477	15,684	18.9%	0	0	2	0.0%	0	0	15,682	67,479	18.9%

Exhibit 7-6 USACE Vernal Pool Table Summary

Value[1]	Androscoggin	Cumberland	Franklin	Kennebec	Lincoln	Sagadahoc	Somerset	Totals
High	28	0	3	0	4	0	13	**48**
Medium	55	7	10	1	17	9	23	**122**
Low	32	0	11	0	6	0	22	**71**
NC	94	10	70	7	104	0	174	**459**
Totals	**209**	**17**	**94**	**8**	**131**	**9**	**232**	**700**

	Androscoggin	Cumberland	Franklin	Kennebec	Lincoln	Sagadahoc	Somerset	Total Sq. Ft.
Direct Fill by County w/in depression or 100' envelope (Sq. Ft.)	73340	33330	79	0	708	84	304	**107845**

[1] Vernal pool values were determined based on the criteria outlined in the *NECEC Proposed Criteria for USACOE Vernal Pools Values Determination for Compensation, May 2018* .

Exhibit 7-7: NECEC Waterbody Crossing Table (Revised)

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Outstanding River Segment (Y/N)[8]	RTE Species (Y/N)[9]	RTE Species Present[9]	Nearest New Structure Location (ft)	Streams within CMP Controlled Land (Linear Feet)[10]	Permanent Forested Conversion Impact to Streams (Linear Feet)[11]	Temp. Equipment Crossing[12] (Y/N)	Buffer Width (Feet)[13]	Natural Resource Map/Sheet Number
1	Beattie Twp	E	ISTR-00-01	Trib. to West Branch Mill Brook	3	INT	N/A	N	N	N/A	N	N	N/A	352	411	68	Y	100	1
1	Beattie Twp	E	ISTR-00-04		2	INT	N/A	N	N	N/A	N	N	N/A	281	351	69	Y	100	1
1	Beattie Twp	E	ISTR-00-07	Trib. to West Branch Mill Brook	1	INT	N/A	N	N	N/A	N	N	N/A	403	313	64	Y	100	1
1	Beattie Twp	E	ISTR-00-08	Trib. to West Branch Mill Brook	3	INT	N/A	N	N	N/A	N	N	N/A	181	308	54	Y	100	1
1	Beattie Twp	E	ISTR-00-09		3	INT	N/A	N	N	N/A	N	N	N/A	297	476	120	Y	100	2
1	Beattie Twp	E	ISTR-01-02	Trib. to West Branch Mill Brook	2	INT	N/A	N	N	N/A	N	N	N/A	243	292	78	Y	100	3
1	Beattie Twp	E	ISTR-01-10	Trib. to Mill Brook	2	INT	A	N	N	N/A	N	N	N/A	564	308	70	Y	100	5
1	Beattie Twp	E	ISTR-01-11	Trib. to Mill Brook	1	INT	N/A	N	N	N/A	N	N	N/A	304	209	0	N	100	5
1	Beattie Twp	E	ISTR-01-12	Trib. to Mill Brook	2	INT	N/A	N	N	N/A	N	N	N/A	341	210	62	Y	100	5
1	Beattie Twp	E	ISTR-02-01	Trib. to Number One Brook	4	INT	N/A	N	N	N/A	N	N	N/A	565	191	68	Y	100	7
1	Beattie Twp	E	ISTR-02-04	Trib. to Number One Brook	3	INT	N/A	N	N	N/A	N	N	N/A	235	321	77	Y	100	7
1	Beattie Twp	E	ISTR-02-08	Trib. to Number One Brook	3	INT	N/A	N	N	N/A	N	N	N/A	433	351	113	Y	100	7
1	Beattie Twp	E	ISTR-02-09	Trib. to Number One Brook	2	INT	N/A	N	N	N/A	N	N	N/A	467	134	62	N	100	7
1	Beattie Twp	E	ISTR-02-13	Trib. to Number One Brook	2	INT	N/A	N	N	N/A	N	N	N/A	122	335	58	N	100	7
1	Beattie Twp	E	ISTR-02-14		0	INT	N/A	N	N	N	N	N	N/A	275	8	0	N	100	7
1	Beattie Twp	E	ISTR-02-15		0	INT	N/A	N	N	N	N	N	N/A	20	240	0	N	100	6, 7
1	Beattie Twp	E	ISTR-02-16		0	INT	N/A	N	N	N	N	N	N/A	34	294	105	Y	100	6, 7
1	Beattie Twp	E	ISTR-02-18		0	INT	N/A	N	N	N	N	N	N/A	290	313	74	Y	100	6
1	Beattie Twp	E	ISTR-02-25		0	INT	N/A	N	N	N/A	N	N	N/A	467	324	76	Y	100	6
1	Beattie Twp	E	ISTR-02-28		0	INT	N/A	N	N	N	N	N	N/A	28	340	75	Y	100	6
1	Beattie Twp	E	ISTR-02-30		3	INT	N/A	N	N	N/A	N	N	N/A	460	370	80	Y	100	6
1	Beattie Twp	E	ISTR-02-34		2	INT	N/A	N	N	N/A	N	N	N/A	118	204	0	N	100	5,6
1	Beattie Twp	E	ISTR-02-35		3	INT	N/A	N	N	N/A	N	N	N/A	151	310	57	Y	100	5
1	Skinner Twp	E	ISTR-05-03	Trib. to Smart Brook	2	INT	N/A	N	N	N/A	N	N	N/A	255	314	54	N	100	13
1	Skinner Twp	E	ISTR-05-04	Trib. to Smart Brook	2	INT	N/A	N	N	N/A	N	N	N/A	146	310	75	Y	100	13
1	Skinner Twp	E	ISTR-05-05	Trib. to Smart Brook	1	INT	N/A	N	N	N/A	N	N	N/A	112	305	74	Y	100	13
1	Skinner Twp	E	ISTR-05-06	Trib. to Smart Brook	3	INT	N/A	N	N	N/A	N	N	N/A	139	308	76	Y	100	12, 13
1	Skinner Twp	E	ISTR-05-07	Trib. to Smart Brook	3	INT	N/A	N	N	N/A	N	N	N/A	354	319	87	Y	100	12, 13
1	Skinner Twp	E	ISTR-05-08	Trib. to Smart Brook	2	INT	N/A	N	N	N/A	N	N	N/A	215	318	82	Y	100	12
1	Skinner Twp	E	ISTR-05-09	Trib. to Smart Brook	2	INT	N/A	N	N	N/A	N	N	N/A	145	228	83	Y	100	12
1	Skinner Twp	E	ISTR-05-10	Trib. to Smart Brook	2	INT	N/A	N	N	N/A	N	N	N/A	371	322	78	Y	100	12
1	Skinner Twp	E	ISTR-06-01	Trib. to Smart Brook	2	INT	A	N	N	N/A	N	N	N/A	208	361	79	Y	100	16
1	Skinner Twp	E	ISTR-06-02	Trib. to Smart Brook	2	INT	N/A	N	N	N/A	N	N	N/A	244	341	78	Y	100	16
1	Skinner Twp	E	ISTR-06-03	Trib. to Smart Brook	2	INT	A	N	N	N/A	N	N	N/A	158	73	0	N	100	16
1	Skinner Twp	E	ISTR-06-04	Trib. to Smart Brook	2	INT	N/A	N	N	N/A	N	N	N/A	147	355	79	Y	100	16
1	Skinner Twp	E	ISTR-06-05	Trib. to Smart Brook	3	INT	N/A	N	N	N/A	N	N	N/A	199	313	57	Y	100	16
1	Skinner Twp	E	ISTR-06-07	Trib. to Smart Brook	2	INT	N/A	N	N	N/A	N	N	N/A	241	305	74	Y	100	15, 16
1	Skinner Twp	E	ISTR-06-08	Trib. to Smart Brook	3	INT	N/A	N	N	N/A	N	N	N/A	145	325	75	Y	100	15
1	Skinner Twp	E	ISTR-07-01	Trib. to West Branch Moose River	3	INT	N/A	N	N	N/A	N	N	N/A	138	367	75	Y	100	18, 19
1	Skinner Twp	E	ISTR-07-03	Trib. to West Branch Moose River	2	INT	A	N	N	N/A	N	N	N/A	177	225	0	N	100	18

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Outstanding River Segment (Y/N)[8]	RTE Species (Y/N)[9]	RTE Species Present[9]	Nearest New Structure Location (ft)	Streams within CMP Controlled Land (Linear Feet)[10]	Permanent Forested Conversion Impact to Streams (Linear Feet)[11]	Temp. Equipment Crossing[12] (Y/N)	Buffer Width (Feet)[13]	Natural Resource Map/Sheet Number
1	Skinner Twp	E	ISTR-07-04	Trib. to West Branch Moose River	2	INT	N/A	N	N	N/A	N	N	N/A	503	209	0	N	100	18
1	Skinner Twp	E	ISTR-07-07	Trib. to Hay Bog Brook	3	INT	N/A	N	N	N/A	N	N	N/A	432	411	83	Y	100	17
1	Skinner Twp	E	ISTR-07-08	Trib. to Hay Bog Brook	2	INT	N/A	N	N	N/A	N	N	N/A	99	773	94	Y	100	17
1	Skinner Twp	E	ISTR-08-01	Trib. to West Branch Moose River	4	INT	A	N	N	N/A	N	N	N/A	313	354	0	N	100	20, 21
1	Skinner Twp	E	ISTR-08-02	Trib. to West Branch Moose River	4	INT	A	N	N	N/A	N	N	N/A	336	16	0	N	100	20, 21
1	Skinner Twp	E	ISTR-09-03	Trib. to South Branch Moose River	2	INT	N/A	N	N	N/A	N	N	N/A	521	102	0	N	100	22
1	Skinner Twp	E	ISTR-09-04	Trib. to South Branch Moose River	2	INT	A	N	N	N/A	N	N	N/A	296	348	25	Y	100	22
1	Skinner Twp	E	ISTR-09-05	Trib. to South Branch Moose River	4	INT	A	N	N	N/A	N	N	N/A	231	209	20	Y	100	22, 23
1	Skinner Twp	E	ISTR-09-07	Trib. to South Branch Moose River	2	INT	N/A	N	N	N/A	N	N	N/A	200	65	0	N	100	23
1	Skinner Twp	E	ISTR-09-08	Trib. to South Branch Moose River	2	INT	N/A	N	N	N/A	N	N	N/A	197	150	36	N	100	23
1	Skinner Twp	E	ISTR-09-09	Trib. to South Branch Moose River	2	INT	N/A	N	N	N/A	N	N	N/A	146	323	0	N	100	22
1	Skinner Twp	E	ISTR-09-10	Trib. to South Branch Moose River	3	INT	N/A	N	N	N/A	N	N	N/A	350	186	0	N	100	21, 22
1	Skinner Twp	E	ISTR-10-04	Trib. to Bog Brook	1	INT	N/A	N	N	N/A	N	N	N/A	257	68	0	N	100	25
1	Skinner Twp	E	ISTR-10-09	Trib. to Bog Brook	2	INT	N/A	N	N	N/A	N	N	N/A	138	156	0	N	100	25
1	Skinner Twp	E	ISTR-10-10	Trib. to Bog Brook	3	INT	N/A	N	N	N/A	N	N	N/A	245	171	0	N	100	25
1	Appleton Twp	E	ISTR-12-01	Trib. to Bog Brook	2	INT	N/A	N	N	N/A	N	N	N/A	494	82	0	N	100	29
1	Appleton Twp	E	ISTR-12-02	Trib. to Bog Brook	1	INT	N/A	N	N	N/A	N	N	N/A	560	41	0	N	100	29
1	Appleton Twp	E	ISTR-12-04	Trib. to Bog Brook	3	INT	N/A	N	N	N/A	N	N	N/A	398	321	0	N	100	29, 30
1	Appleton Twp	E	ISTR-12-05	Trib. to Bog Brook	2	INT	N/A	N	N	N/A	N	N	N/A	367	302	21	Y	100	29, 30
1	Appleton Twp	E	ISTR-12-06	Trib. to Bog Brook	4	INT	N/A	N	N	N/A	N	N	N/A	398	125	0	N	100	29, 30
1	Appleton Twp	E	ISTR-12-09	Trib. to Bog Brook	2	INT	N/A	N	N	N/A	N	N	N/A	244	260	0	N	100	28
1	Appleton Twp	E	ISTR-12-11	Trib. to Bog Brook	2	INT	N/A	N	N	N/A	N	N	N/A	285	165	0	N	100	30
1	Appleton Twp	E	ISTR-12-12	Trib. to Bog Brook	1	INT	N/A	N	N	N/A	N	N	N/A	321	236	0	N	100	30
1	Appleton Twp	E	ISTR-13-01	Trib. to Barrett Brook	2	INT	N/A	N	N	N/A	N	N	N/A	132	34	0	N	100	32
1	Appleton Twp	E	ISTR-13-02	Trib. to Barrett Brook	2	INT	N/A	N	N	N/A	N	N	N/A	127	159	13	N	100	32
1	Appleton Twp	E	ISTR-13-08	Trib. to Barrett Brook	2	INT	N/A	N	N	N/A	N	N	N/A	443	74	0	N	100	31
1	Appleton Twp	E	ISTR-13-10	Trib. to Barrett Brook	2	INT	N/A	N	N	N/A	N	N	N/A	147	311	0	Y	100	31
1	Appleton Twp	E	ISTR-13-15	Trib. to Bog Brook	2	INT	N/A	N	N	N/A	N	N	N/A	186	336	63	N	100	30, 31
1	Appleton Twp	E	ISTR-13-16	Trib. to Bog Brook	2	INT	N/A	N	N	N/A	N	N	N/A	200	15	0	N	100	30, 31
1	Appleton Twp	E	ISTR-14-01	Trib. to Gold Brook	4	INT	N/A	N	N	N/A	N	N	N/A	343	382	25	N	100	34
1	Appleton Twp	E	ISTR-14-03	Trib. to Gold Brook	2	INT	N/A	N	N	N/A	N	N	N/A	218	49	0	N	100	34
1	Appleton Twp	E	ISTR-14-04	Trib. to Gold Brook	2	INT	N/A	N	N	N/A	N	N	N/A	149	201	0	N	100	34
1	Appleton Twp	E	ISTR-14-05	Trib. to Gold Brook	2	INT	N/A	N	N	N/A	N	N	N/A	217	29	0	N	100	34
1	Appleton Twp	E	ISTR-14-06	Trib. to Gold Brook	3	INT	N/A	N	N	N/A	N	N	N/A	215	10	0	N	100	34
1	Appleton Twp	E	ISTR-14-08	Trib. to Gold Brook	2	INT	N/A	N	N	N/A	N	N	N/A	180	5	0	N	100	34
1	Appleton Twp	E	ISTR-14-10	Trib. to Gold Brook	2	INT	N/A	N	N	N/A	N	N	N/A	43	131	0	N	100	34
1	Appleton Twp	E	ISTR-14-11	Trib. to Gold Brook	1	INT	N/A	N	N	N/A	N	N	N/A	228	4	0	N	100	34
1	Appleton Twp	E	ISTR-14-22		2	INT	N/A	N	N	N/A	N	N	N/A	461	252	0	N	100	33,34
1	Appleton Twp	E	ISTR-14-23	Trib. to Barrett Brook	2	INT	N/A	N	N	N/A	N	N	N/A	447	250	0	N	100	33
1	Appleton Twp	E	ISTR-14-24	Trib. to Barrett Brook	5	INT	N/A	N	N	N/A	N	N	N/A	292	351	21	Y	100	33

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Outstanding River Segment (Y/N)[8]	RTE Species (Y/N)[9]	RTE Species Present[9]	Nearest New Structure Location (ft)	Streams within CMP Controlled Land (Linear Feet)[10]	Permanent Forested Conversion Impact to Streams (Linear Feet)[11]	Temp. Equipment Crossing[12] (Y/N)	Buffer Width (Feet)[13]	Natural Resource Map/Sheet Number
1	Appleton Twp	E	ISTR-14-25		2	INT	N/A	N	N	N/A	N	N	N/A	407	105	0	N	100	33
1	Appleton Twp	E	ISTR-14-26		2	INT	N/A	N	N	N/A	N	N	N/A	446	46	0	N	100	33
1	Appleton Twp	E	ISTR-14-27	Trib. to Barrett Brook	2	INT	N/A	N	N	N/A	N	N	N/A	328	140	0	N	100	33
1	Appleton Twp	E	ISTR-14-28	Trib. to Barrett Brook	2	PER	N/A	N	N	N/A	N	N	N/A	146	221	20	Y	100	33
1	Appleton Twp	E	ISTR-14-30	Trib. to Barrett Brook	4	INT	N/A	N	N	N/A	N	N	N/A	152	326	0	Y	100	33
1	Appleton Twp	E	ISTR-14-37	Trib. to Barrett Brook	2	INT	N/A	N	N	N/A	N	N	N/A	384	251	0	Y	100	33
1	Appleton Twp	E	ISTR-14-45	Trib. to Barrett Brook	2	INT	N/A	N	N	N/A	N	N	N/A	484	155	0	N	100	33
1	Appleton Twp	E	ISTR-14-46	Trib. to Barrett Brook	2	INT	N/A	N	N	N/A	N	N	N/A	593	43	0	N	100	33
1	Appleton Twp	E	ISTR-14-51	Trib. to Barrett Brook	2	INT	N/A	N	N	N/A	N	N	N/A	264	363	0	N	100	33
1	Appleton Twp	E	ISTR-14-62	Trib. to Barrett Brook	2	INT	N/A	N	N	N/A	N	N	N/A	218	317	53	N	100	32
1	Appleton Twp	E	ISTR-14-66	Trib. to Barrett Brook	2	INT	N/A	N	N	N/A	N	N	N/A	478	64	0	N	100	32
1	Appleton Twp	E	ISTR-14-67	Trib. to Barrett Brook	3	INT	N/A	N	N	N/A	N	N	N/A	372	346	76	Y	100	32
1	Appleton Twp	E	ISTR-15-05	Trib. to Gold Brook	2	INT	N/A	Y	N	N/A	N	N	N/A	85	0	0	N	100	35
1	Appleton Twp	E	ISTR-15-07	Gold Brook	15	INT	A	Y	N	Y	N	N	N/A	447	80	0	N	100	36
1	Appleton Twp	E	ISTR-15-09	Trib. to Gold Brook	2	INT	A	Y	N	Y	N	N	N/A	524	85	0	N	100	36
1	Appleton Twp	E	ISTR-15-10	Trib. to Gold Brook	3	INT	N/A	Y	N	N/A	N	N	N/A	251	317	21	Y	100	36
1	Appleton Twp	E	ISTR-15-12	Trib. to Gold Brook	2	INT	N/A	Y	N	N/A	N	N	N/A	270	88	0	N	100	36
1	Appleton Twp	E	ISTR-15-18	Trib. to Gold Brook	2	INT	N/A	N	N	N/A	N	N	N/A	285	71	0	N	100	34
1	Appleton Twp	E	ISTR-16-01	Trib. to Baker Stream	25	INT	N/A	Y	N	N/A	N	N	N/A	289	17	0	N	100	38, 39
1	Appleton Twp	E	ISTR-16-05	Trib. to Gold Brook	4	INT	A	Y	N	Y	N	N	N/A	419	175	0	N	100	37
1	Appleton Twp	E	ISTR-16-16	Trib. to Gold Brook	2	INT	A	Y	N	Y	N	N	N/A	232	164	21	N	100	37
1	Appleton Twp	E	ISTR-17-02	Trib. to Baker Stream	3	INT	N/A	Y	N	N/A	N	N	N/A	142	615	123	Y	100	39
1	Appleton Twp	E	ISTR-17-04	Trib. To Rock Pond	2	INT	N/A	Y	N	N/A	N	N	N/A	355	38	0	N	100	40
1	Appleton Twp	E	ISTR-17R-05	Trib. To Rock Pond	2	INT	N/A	Y	N	N/A	N	N	N/A	484	2	0	N	100	40
1	T5 R7 BKP WKR	E	ISTR-18-01		1	INT	N/A	Y	N	N/A	N	N	N/A	359	88	31	N	100	42,43
1	T5 R7 BKP WKR	E	ISTR-18-02		2	INT	N/A	Y	N	N/A	N	N	N/A	361	344	78	Y	100	42,43
1	T5 R7 BKP WKR	E	ISTR-18-08	Trib. to Fish Pond	3	INT	N/A	Y	N	N/A	N	N	N/A	392	273	0	N	100	41, 42
1	T5 R7 BKP WKR	E	ISTR-18-10		4	INT	A	Y	N	Y	N	N	N/A	531	267	85	Y	100	42
1	T5 R7 BKP WKR/Hobbstown Twp	E	ISTR-18-11	Trib. to Fish Pond	3	INT	N/A	Y	N	N/A	N	N	N/A	402	166	59	Y	100	42
1	T5 R7 BKP WKR	E	ISTR-18-16	Trib. to Fish Pond	4	INT	A	Y	N	Y	N	N	N/A	252	99	99	N	100	41
1	Bradstreet Twp	E	ISTR-24-01	Trib. to Bitter Brook	2	INT	A	N	N	N/A	N	N	N/A	422	318	0	N	100	56
1	Bradstreet Twp	E	ISTR-26-03	Trib. to Horse Brook	3	INT	N/A	N	N	N/A	N	N	N/A	48	40	0	N	100	60
1	Bradstreet Twp	E	ISTR-26-04	Trib. to Horse Brook	3	INT	N/A	N	N	N/A	N	N	N/A	66	270	73	N	100	60
1	Bradstreet Twp	E	ISTR-27-02	Trib. To Fourmile Brook	8	INT	N/A	N	N	N/A	N	N	N/A	163	1041	73	N	100	61, 62
1	Bradstreet Twp	E	ISTR-27-04		2	INT	N/A	N	N	N/A	N	N	N/A	160	257	31	N	100	61
1	Bradstreet Twp	E	ISTR-27-05		0	INT	N/A	N	N	N/A	N	N	N/A	298	130	45	N	100	61
1	Parlin Pond Twp	E	ISTR-30-02	Trib. to Piel Brook	2	INT	N/A	N	N	N/A	N	N	N/A	436	203	0	N	100	69, 70
1	Johnson Mountain Twp	E	ISTR-31-01	Trib. to Piel Brook	5	INT	N/A	N	N	N/A	N	N	N/A	306	84	0	N	100	71
1	Johnson Mountain Twp	E	ISTR-31-02	Trib. to Piel Brook	3	INT	N/A	N	N	N/A	N	N	N/A	142	361	60	N	100	71
1	Johnson Mountain Twp	E	ISTR-32-01	Trib. to Piel Brook	5	INT	A	N	N	N/A	N	N	N/A	174	294	54	N	100	74

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Outstanding River Segment (Y/N)[8]	RTE Species (Y/N)[9]	RTE Species Present[9]	Nearest New Structure Location (ft)	Streams within CMP Controlled Land (Linear Feet)[10]	Permanent Forested Conversion Impact to Streams (Linear Feet)[11]	Temp. Equipment Crossing[12] (Y/N)	Buffer Width (Feet)[13]	Natural Resource Map/Sheet Number
1	Johnson Mountain Twp	E	ISTR-32-02	Trib. to Piel Brook	5	INT	A	N	N	N/A	N	N	N/A	108	396	85	Y	100	74
1	Johnson Mountain Twp	E	ISTR-33-02	Trib. to MountainBrook	2	INT	N/A	Y	N	N/A	N	N	N/A	200	93	31	N	100	76
1	Johnson Mountain Twp	E	ISTR-35-02	Trib. to Salmon Stream	2	INT	A	Y	N	N/A	N	N	N/A	178	284	0	N	100	80
1	Johnson Mountain Twp	E	ISTR-36-01	Trib. to Salmon Stream	2	INT	N/A	Y	N	N/A	N	N	N/A	425	199	54	N	100	83
1	Johnson Mountain Twp	E	ISTR-36-02	Trib. to Salmon Stream	2	INT	A	Y	N	N/A	N	N	N/A	220	353	88	Y	100	82, 83
1	Johnson Mountain Twp	E	ISTR-36-04	Trib. to Salmon Stream	2	INT	N/A	Y	N	N/A	N	N	N/A	452	99	0	N	100	83
1	Johnson Mountain Twp	E	ISTR-36-05	Trib. to Salmon Stream	2	INT	N/A	Y	N	N/A	N	N	N/A	317	152	0	N	100	83
1	Johnson Mountain Twp	E	ISTR-37-01	Trib. to East Branch Salmon Stream	2	INT	N/A	Y	N	N/A	N	N	N/A	169	144	0	N	100	84
1	Johnson Mountain Twp	E	ISTR-38-01	Trib. to East Branch Salmon Stream	2	INT	N/A	Y	N	N/A	N	N	N/A	193	355	64	N	100	87
1	Johnson Mountain Twp	E	ISTR-38-03	Trib. to East Branch Salmon Stream	3	INT	N/A	Y	N	N/A	N	N	N/A	510	225	0	N	100	87
1	Johnson Mountain Twp	E	ISTR-38-05	Trib. to East Branch Salmon Stream	4	INT	A	Y	N	N/A	N	N	N/A	153	253	100	Y	100	86, 87
1	Johnson Mountain Twp	E	ISTR-38-07	East Branch Salmon Stream	3	INT	A	Y	N	N/A	N	N	N/A	206	321	54	N	100	86, 87
1	Johnson Mountain Twp	E	ISTR-38-08	Trib. to East Branch Salmon Stream	2	INT	N/A	Y	N	N/A	N	N	N/A	75	240	0	N	100	86
1	Johnson Mountain Twp	E	ISTR-38-11	Trib. to East Branch Salmon Stream	2	INT	A	Y	N	N/A	N	N	N/A	137	201	0	N	100	85, 86
1	Johnson Mountain Twp	E	ISTR-38-12	Trib. to East Branch Salmon Stream	2	INT	A	Y	N	N/A	N	N	N/A	149	155	25	N	100	85, 86
1	Johnson Mountain Twp	E	ISTR-38-13	Trib. to East Branch Salmon Stream	2	INT	N/A	Y	N	N/A	N	N	N/A	237	106	0	N	100	85, 86
1	Johnson Mountain Twp	E	ISTR-38-14	Trib. to East Branch Salmon Stream	2	INT	A	Y	N	N/A	N	N	N/A	159	107	86	N	100	85, 86
1	Johnson Mountain Twp	E	ISTR-39-01	Trib. to Cold Stream	4	INT	N/A	Y	N	N/A	N	N	N/A	232	531	91	Y	100	89
1	Johnson Mountain Twp	E	ISTR-39-03	Trib. to East Branch Salmon Stream	4	INT	N/A	Y	N	N/A	N	N	N/A	291	276	102	N	100	88
1	Johnson Mountain Twp	E	ISTR-41-02	Trib. to Tomhegan Stream	1	INT	N/A	Y	N	N/A	N	N	N/A	322	317	66	Y	100	94
1	Johnson Mountain Twp	E	ISTR-41-04	Trib. to Cold Stream	2	INT	N/A	Y	N	N/A	N	N	N/A	103	49	0	N	100	92, 93
1	Johnson Mountain Twp	E	ISTR-41-05	Trib. to Cold Stream	4	INT	N/A	Y	N	N/A	N	N	N/A	448	240	27	N	100	93
1	Johnson Mountain Twp	E	ISTR-42-02	Trib. to Tomhegan Stream	4	INT	N/A	Y	N	N/A	N	N	N/A	217	29	0	N	100	96
1	Johnson Mountain Twp	E	ISTR-42-07	Trib. to Tomhegan Stream	5	INT	N/A	Y	N	N/A	N	N	N/A	171	194	0	N	100	94
1	Johnson Mountain Twp	E	ISTR-42-08	Trib. to Tomhegan Stream	3	INT	N/A	Y	N	N/A	N	N	N/A	210	36	0	N	100	94
1	Johnson Mountain Twp	E	ISTR-42-09	Trib. to Tomhegan Stream	5	INT	N/A	Y	N	N/A	N	N	N/A	159	135	54	N	100	94
1	Johnson Mountain Twp	E	ISTR-42-10	Trib. to Tomhegan Stream	2	INT	N/A	Y	N	N/A	N	N	N/A	135	170	85	Y	100	94
1	Johnson Mountain Twp	E	ISTR-42-13	Trib. To Little Wilson Hill Pond	4	INT	N/A	Y	N	N/A	N	N	N/A	374	177	126	Y	100	94, 95
1	West Forks Plt	D	ISTR-44-08	Tomhegan Stream	3	INT	A	Y	N	N/A	N	N	N/A	345	45	20	Y	100	100
1	West Forks Plt	D	ISTR-45-02	Trib. to Tomhegan Stream	4	INT	N/A	Y	N	N/A	N	N	N/A	428	54	0	N	100	100
1	West Forks Plt	D	ISTR-45-02-02	Trib. to Tomhegan Stream	3	INT	N/A	Y	N	N/A	N	N	N/A	457	16	0	N	100	100
1	West Forks Plt	D	ISTR-45-04	Trib. to Tomhegan Stream	3	INT	N/A	Y	N	N/A	N	N	N/A	309	142	0	N	100	100, 101
1	West Forks Plt	D	ISTR-46-05	Trib. to Cold Stream	4	INT	N/A	Y	N	N/A	N	N	N/A	136	51	0	N	100	103
1	Moxie Gore	D	ISTR-49-01	Trib. to Moxie Stream	5	INT	N/A	Y	N	Y	N	N	N/A	360	147	0	N	100	111
1	Moxie Gore	D	ISTR-50-02	Trib. to Moxie Stream	2	INT	N/A	Y	N	Y	N	N	N/A	21	135	11	N	100	113
1	Moxie Gore	D	ISTR-51-01	Trib. to Moxie Stream	80	INT	N/A	Y	N	Y	N	N	N/A	325	293	58	Y	100	113
1	Moxie Gore	D	ISTR-51-02	Trib. to Moxie Stream	5	INT	N/A	Y	N	Y	N	N	N/A	279	55	49	N	100	113
1	Moxie Gore	D	ISTR-51-03	Trib. to Moxie Stream	4	INT	N/A	Y	N	Y	N	N	N/A	293	50	40	N	100	113
1	Moxie Gore	D	ISTR-51-04	Trib. to Moxie Stream	2	INT	N/A	Y	N	Y	N	N	N/A	325	38	23	N	100	113
1	Moxie Gore	D	ISTR-51-05	Trib. to Moxie Stream	8	INT	N/A	Y	N	Y	N	N	N/A	361	21	0	N	100	113

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Outstanding River Segment (Y/N)[8]	RTE Species (Y/N)[9]	RTE Species Present[9]	Nearest New Structure Location (ft)	Streams within CMP Controlled Land (Linear Feet)[10]	Permanent Forested Conversion Impact to Streams (Linear Feet)[11]	Temp. Equipment Crossing[12] (Y/N)	Buffer Width (Feet)[13]	Natural Resource Map/Sheet Number
1	Moxie Gore	D	ISTR-51-06	Trib. to Moxie Stream	3	INT	N/A	Y	N	Y	N	N	N/A	380	29	4	N	100	113, 114
1	Moxie Gore	D	ISTR-51-07	Trib. to Moxie Stream	2	INT	N/A	Y	N	N/A	N	N	N/A	416	106	0	N	100	114
1	Moxie Gore	D	ISTR-51-08	Trib. to Moxie Stream	2	INT	N/A	Y	N	Y	N	N	N/A	230	237	18	N	100	114, 115
1	Moxie Gore	D	ISTR-51-09	Trib. to Moxie Stream	3	INT	N/A	Y	N	Y	N	N	N/A	242	192	0	N	100	114, 115
1	Moxie Gore	D	ISTR-51-10	Trib. to Moxie Stream	6	INT	N/A	Y	N	Y	N	N	N/A	264	21	0	N	100	114, 115
1	Moxie Gore	D	ISTR-51-11	Trib. to Moxie Stream	4	INT	N/A	Y	N	Y	N	N	N/A	270	95	0	N	100	114, 115
1	Moxie Gore	D	ISTR-51-12	Trib. to Moxie Stream	3	INT	N/A	Y	N	Y	N	N	N/A	488	21	0	N	100	115
1	Moxie Gore	D	ISTR-51-13	Trib. to Moxie Stream	6	INT	N/A	Y	N	Y	N	N	N/A	403	263	68	Y	100	115
1	Moxie Gore	D	ISTR-51-14	Trib. to Moxie Stream	5	INT	N/A	Y	N	Y	N	N	N/A	58	193	74	Y	100	115
1	Moxie Gore	D	ISTR-51-15	Trib. to Moxie Stream	2	INT	N/A	Y	N	N/A	N	N	N/A	334	48	2	Y	100	115
1	Moxie Gore	D	ISTR-51-16	Trib. to Moxie Stream	3	INT	N/A	Y	N	N/A	N	N	N/A	297	75	75	N	100	115
1	Moxie Gore	D	ISTR-51-17	Trib. to Moxie Stream	2	INT	N/A	Y	N	Y	N	N	N/A	236	178	64	N	100	115
1	Moxie Gore	D	ISTR-51-18	Trib. to Moxie Stream	2	INT	N/A	Y	N	Y	N	N	N/A	221	26	16	N	100	115
1	Moxie Gore	D	ISTR-51-19	Trib. to Moxie Stream	2	INT	N/A	Y	N	Y	N	N	N/A	242	105	0	N	100	115
1	Moxie Gore	D	ISTR-51-20	Trib. to Moxie Stream	2	INT	N/A	Y	N	Y	N	N	N/A	236	130	90	Y	100	115
1	Moxie Gore	D	ISTR-51-21	Trib. to Moxie Stream	3	INT	N/A	Y	N	Y	N	N	N/A	389	20	0	N	100	115
1	Moxie Gore	D	ISTR-52-01	Trib. to Moxie Stream	5	INT	N/A	Y	N	Y	N	N	N/A	357	178	28	N	100	115, 116
1	Moxie Gore	D	ISTR-52-02	Trib. to Moxie Stream	3	INT	N/A	Y	N	Y	N	N	N/A	324	186	34	N	100	115, 116
1	Moxie Gore	D	ISTR-52-03	Trib. to Moxie Stream	3	INT	N/A	Y	N	Y	N	N	N/A	329	104	60	N	100	115, 116
1	Moxie Gore	D	ISTR-52-04	Trib. to Moxie Stream	5	INT	N/A	Y	N	Y	N	N	N/A	225	86	0	N	100	116
1	Moxie Gore	D	ISTR-52-05	Trib. to Moxie Stream	5	INT	N/A	Y	N	Y	N	N	N/A	225	44	0	N	100	116
1	Moxie Gore	D	ISTR-52-06	Trib. to Moxie Stream	2	INT	N/A	Y	N	Y	N	N	N/A	352	120	0	N	100	116
1	The Forks Plt	D	ISTR-52-07	Trib. to Moxie Stream	3	INT	N/A	Y	N	N/A	N	N	N/A	369	84	84	N	100	116
1	Moxie Gore/The Forks Plt	D	ISTR-52-08	Trib. to Moxie Stream	1	INT	N/A	Y	N	N/A	N	N	N/A	203	159	0	N	100	116
1	The Forks Plt	D	ISTR-52-09	Trib. to Moxie Stream	2	INT	N/A	Y	N	Y	N	N	N/A	332	27	27	N	100	116
1	The Forks Plt	D	ISTR-52-10	Trib. to Moxie Stream	3	INT	N/A	Y	N	Y	N	N	N/A	276	400	113	Y	100	116, 117
1	The Forks Plt	D	ISTR-52-11	Trib. to Moxie Stream	4	INT	N/A	Y	N	Y	N	N	N/A	348	80	79	N	100	116, 117
1	The Forks Plt	D	ISTR-52-12	Trib. to Moxie Stream	2	INT	N/A	Y	N	N/A	N	N	N/A	259	85	85	N	100	116, 117
1	The Forks Plt	D	ISTR-52-13	Trib. to Moxie Stream	8	INT	N/A	Y	N	Y	N	N	N/A	251	4	0	N	100	117
1	The Forks Plt	D	ISTR-52-14	Trib. to Moxie Stream	6	INT	N/A	Y	N	Y	N	N	N/A	217	243	89	N	100	117
1	The Forks Plt	D	ISTR-52-15	Trib. to Moxie Stream	5	INT	N/A	Y	N	Y	N	N	N/A	237	14	0	N	100	117
1	The Forks Plt	D	ISTR-52-16	Trib. to Moxie Stream	2	INT	N/A	Y	N	Y	N	N	N/A	250	108	0	N	100	117
1	The Forks Plt	D	ISTR-52-17	Trib. to Moxie Stream	2	INT	N/A	Y	N	Y	N	N	N/A	290	29	29	N	100	117
1	Johnson Mountain Twp	E	ISTR-EM-33-01	Trib. To Twomile Brook	5	INT	N/A	Y	N	N/A	N	Y	Northern Spring Salamander	235	354	54	N	100	75
1	Johnson Mountain Twp	E	ISTR-EM-34-03	Trib. To Mountain	5	INT	N/A	Y	N	N/A	N	N	N/A	63	345	86	Y	100	77
1	Johnson Mountain Twp	E	ISTR-EM-34-05	Trib. To Mountain	5	INT	N/A	Y	N	N/A	N	N	N/A	258	369	90	Y	100	77
1	Beattie Twp	E	ISTR-MS-02-08	Trib. to Number One Brook	3	INT	N/A	N	N	N/A	N	N	N/A	267	27	0	N	100	7
1	Beattie Twp	E	ISTR-MS-02-09	Trib. to Number One Brook	3	INT	N/A	N	N	N/A	N	N	N/A	267	6	0	N	100	7
1	Beattie Twp	E	ISTR-MS-02-10	Trib. to Number One Brook	2	INT	N/A	N	N	N/A	N	N	N/A	199	11	0	N	100	7
1	Beattie Twp	E	ISTR-MS-02-11	Trib. to Number One Brook	4	INT	N/A	N	N	N/A	N	N	N/A	565	127	0	N	100	7

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Outstanding River Segment (Y/N)[8]	RTE Species (Y/N)[9]	RTE Species Present[9]	Nearest New Structure Location (ft)	Streams within CMP Controlled Land (Linear Feet)[10]	Permanent Forested Conversion Impact to Streams (Linear Feet)[11]	Temp. Equipment Crossing[12] (Y/N)	Buffer Width (Feet)[13]	Natural Resource Map/Sheet Number
1	Beattie Twp	E	ISTR-MS-03-1		0	INT	N/A	N	N	N	N	N	N/A	232	253	33	N	100	9
1	Beattie Twp	E	ISTR-MS-03-5		0	INT	N/A	N	N	N	N	N	N/A	318	253	21	Y	100	8
1	Beattie Twp	E	ISTR-MS-03-6		0	INT	N/A	N	N	N	N	N	N/A	219	524	89	Y	100	8
1	Appleton Twp	E	ISTR-RR-11-01	Trib. to Bog Brook	5	INT	A	N	N	N/A	N	N	N/A	516	160	0	N	100	27
1	Appleton Twp	E	ISTR-RR-11-03	Trib. to Bog Brook	2	INT	N/A	N	N	N/A	N	N	N/A	345	50	0	N	100	27
1	Skinner Twp	E	ISTR-RR-11-04	Trib. to Bog Brook	3	INT	A	N	N	N/A	N	N	N/A	208	332	23	Y	100	26
1	Appleton Twp/Skinner Twp	E	ISTR-RR-11-3-RR1	Trib. to Bog Brook	3	INT	N/A	N	N	N/A	N	N	N/A	330	270	2	Y	100	27
1	Appleton Twp	E	ISTR-RR-12-01	Trib. to Bog Brook	2	INT	A	N	N	N/A	N	N	N/A	249	162	0	N	100	27, 28
1	Appleton Twp/Skinner Twp	E	ISTR-RR1-1	Trib. to Bog Brook	5	INT	N/A	N	N	N/A	N	N	N/A	350	319	1	Y	100	27
1	Appleton Twp	E	ISTR-RR1-2	Trib. to Bog Brook	2	INT	N/A	N	N	N/A	N	N	N/A	233	335	0	Y	100	27
1	Bradstreet Twp	E	ISTR-SR-29-03	Trib. To Fourmile Brook	2	INT	N/A	N	N	N/A	N	N	N/A	275	169	65	N	100	66
1	Bradstreet Twp	E	ISTR-SRD1-28-03	Fourmile Brook	4	INT	A	N	N	N/A	N	N	N/A	100	44	0	N	100	63
1	Beattie Twp	E	ISTR-STI-01		0	INT	N/A	N	N	N/A	N	N	N/A	8	195	66	Y	100	1
1	Beattie Twp	E	PSTR-00-06	Trib. to West Branch Mill Brook	3	PER	A	N	N	N/A	N	N	N/A	395	331	63	Y	100	1
1	Beattie Twp	E	PSTR-00-10	Trib. to West Branch Mill Brook	3	PER	A	N	N	N/A	N	N	N/A	183	330	54	Y	100	3
1	Beattie Twp	E	PSTR-01-05	Mill Brook	15	PER	A	N	N	N/A	N	N	N/A	609	309	55	N	100	4
1	Beattie Twp	E	PSTR-01-09	Trib. To Mill Brook	2	PER	A	N	N	N/A	N	N	N/A	490	315	75	Y	100	5
1	Beattie Twp	E	PSTR-02-27		0	PER	N/A	N	N	N	N	N	N/A	114	317	78	Y	100	6
1	Skinner Twp	E	PSTR-05-01	Smart Brook	6	PER	A	N	N	N/A	N	N	N/A	267	340	77	Y	100	13
1	Skinner Twp	E	PSTR-05-02	Smart Brook	4	PER	A	N	N	N/A	N	N	N/A	111	381	101	Y	100	13
1	Skinner Twp	E	PSTR-07-02	Trib. to West Branch Moose River	6	PER	A	N	N	N/A	N	N	N/A	152	337	76	Y	100	18
1	Skinner Twp	E	PSTR-08-04	Trib. to West Branch Moose River	6	PER	A	N	N	N/A	N	N	N/A	107	573	25	Y	100	20
1	Skinner Twp	E	PSTR-09-06	Trib. to South Branch Moose River	4	PER	A	N	N	N/A	N	N	N/A	139	346	22	Y	100	22, 23
1	Skinner Twp	E	PSTR-09-11	South Branch Moose River	46	PER	A	N	N	N/A	N	Y	Roaring Brook Mayfly	600	734	0	N	100	21
1	Skinner Twp	E	PSTR-11-01	Trib. to Bog Brook	15	PER	A	N	N	N/A	N	Y	Northern Spring Salamander	306	470	0	Y	100	26
1	Appleton Twp	E	PSTR-11-07	Trib. to Bog Brook	6	PER	A	N	N	N/A	N	N	N/A	582	98	0	N	100	27
1	Appleton Twp	E	PSTR-11-07-RR1	Trib. to Bog Brook	6	PER	A	N	N	N/A	N	N	N/A	496	400	0	N	100	27
1	Appleton Twp	E	PSTR-11-08-RR1	Trib. to Bog Brook	4	PER	A	N	N	N/A	N	N	N/A	467	78	0	N	100	27
1	Appleton Twp	E	PSTR-12-07	Trib. to Bog Brook	10	PER	A	N	N	N/A	N	Y	Northern Spring Salamander	239	699	0	Y	100	28
1	Appleton Twp	E	PSTR-14-33	Trib. to Barrett Brook	7	PER	N/A	N	N	N/A	N	N	N/A	279	315	0	Y	100	33
1	Appleton Twp	E	PSTR-14-34	Trib. to Barrett Brook	2	PER	N/A	N	N	N/A	N	N	N/A	215	252	0	Y	100	33
1	Appleton Twp	E	PSTR-14-36	Trib. to Barrett Brook	4	PER	N/A	N	N	N/A	N	N	N/A	309	125	0	Y	100	33
1	Appleton Twp	E	PSTR-14-47	Trib. to Barrett Brook	5	PER	N/A	N	N	N/A	N	N	N/A	625	390	0	N	100	33
1	Appleton Twp	E	PSTR-14-49	Trib. to Barrett Brook	6	PER	N/A	N	N	N/A	N	N	N/A	607	331	0	N	100	33
1	Appleton Twp	E	PSTR-14-68	Trib. to Barrett Brook	4	PER	N/A	N	N	N/A	N	N	N/A	125	357	78	Y	100	32
1	Appleton Twp	E	PSTR-15-02	Trib. to Gold Brook	2	PER	N/A	Y	N	N/A	N	N	N/A	205	568	38	Y	100	35
1	Appleton Twp	E	PSTR-15-04	Trib. to Gold Brook	4	PER	N/A	Y	N	Y	N	N	N/A	85	1005	184	Y	100	35, 36
1	Appleton Twp	E	PSTR-15-06	Gold Brook	25	PER	A	Y	N	Y	N	Y	Roaring Brook Mayfly	181	1015	53	Y	100	36
1	Appleton Twp	E	PSTR-16-01	Gold Brook	25	PER	A	Y	N	Y	N	N	N/A	97	1479	0	N	100	37
1	Appleton Twp	E	PSTR-16-07	Trib. to Gold Brook	10	PER	A	Y	N	Y	N	Y	Northern Spring Salamander and Roaring Brook Mayfly14	325	73	0	N	100	37

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Outstanding River Segment (Y/N)[8]	RTE Species (Y/N)[9]	RTE Species Present[9]	Nearest New Structure Location (ft)	Streams within CMP Controlled Land (Linear Feet)[10]	Permanent Forested Conversion Impact to Streams (Linear Feet)[11]	Temp. Equipment Crossing[12] (Y/N)	Buffer Width (Feet)[13]	Natural Resource Map/Sheet Number
1	Appleton Twp	E	PSTR-16-101	Trib. to Gold Brook	3	PER	A	Y	N	Y	N	N	N/A	356	129	0	N	100	37
1	Appleton Twp	E	PSTR-16-14	Trib. to Gold Brook	4	PER	A	Y	N	Y	N	N	N/A	336	218	22	N	100	37
1	Appleton Twp	E	PSTR-17-07	Baker Stream	20	PER	A	Y	N	Y	N	Y	Northern Spring Salamander	127	652	141	N	100	39
1	Appleton Twp	E	PSTR-17R-03	Baker Stream	12	PER	A	Y	N	Y	N	N	N/A	114	66	0	N	100	39
1	Appleton Twp	E	PSTR-17R-04	Baker Stream	15	PER	A	Y	N	Y	N	Y	Northern Spring Salamander	164	60	0	N	100	39
1	T5 R7 BKP WKR/Hobbstown Twp	E	PSTR-18-05	Trib. to Fish Pond	5	PER	A	Y	N	Y	N	N	N/A	453	307	74	Y	100	42
1	T5 R7 BKP WKR/Hobbstown Twp	E	PSTR-18-06	Trib. to Fish Pond	4	PER	A	Y	N	Y	N	N	N/A	509	164	89	Y	100	42
1	T5 R7 BKP WKR	E	PSTR-18-14	Trib. to Fish Pond	8	PER	A	Y	N	Y	N	N	N/A	147	675	57	Y	100	41
1	T5 R7 BKP WKR	E	PSTR-18-15	Trib. to Fish Pond	3	PER	A	Y	N	Y	N	N	N/A	167	61	0	N	100	41
1	Hobbstown Twp	E	PSTR-20-01	Trib. to Little Spencer Stream	3	PER	A	Y	N	Y	N	N	N/A	398	262	0	N	100	46
1	T5 R7 BKP WKR	E	PSTR-21-02	Trib. to Little Spencer Stream	5	PER	A	Y	N	Y	N	N	N/A	466	255	22	N	100	48, 49
1	T5 R7 BKP WKR/Hobbstown Twp	E	PSTR-21-03	Trib. to Little Spencer Stream	12	PER	AA	Y	N	Y	N	N	N/A	389	314	20	Y	100	48
1	T5 R7 BKP WKR/Hobbstown Twp	E	PSTR-21-04	Little Spencer Stream	25	PER	AA	Y	N	Y	N	N	N/A	459	371	29	N	100	48
1	T5 R7 BKP WKR	E	PSTR-21-2A	Trib. to Little Spencer Stream	5	PER	A	Y	N	Y	N	N	N/A	535	185	0	N	100	48, 49
1	T5 R7 BKP WKR	E	PSTR-23-01	Trib. to Whipple Brook	3	PER	N/A	Y	N	Y	N	N	N/A	176	103	0	N	100	52
1	T5 R7 BKP WKR	E	PSTR-23-02	Whipple Brook	60	PER	A	Y	N	Y	N	N	N/A	370	764	0	N	100	52
1	Bradstreet Twp	E	PSTR-24-03	Bitter Brook	45	PER	A	N	N	N/A	N	N	N/A	404	758	0	N	100	55
1	Bradstreet Twp	E	PSTR-25-01	Horse Brook	30	PER	A	N	N	N/A	N	N	N/A	158	404	66	Y	100	58
1	Bradstreet Twp	E	PSTR-26-01	Trib. to Moose River	10	PER	A	N	N	N/A	N	N	N/A	285	475	155	N	100	59
1	Bradstreet Twp	E	PSTR-26-05	Trib. to Horse Brook	3	PER	N/A	N	N	N/A	N	Y	Northern Spring Salamander and Roaring Brook Mayfly14	293	77	0	N	100	60
1	Bradstreet Twp	E	PSTR-30-01	Piel Brook	1	PER	A	N	N	N/A	N	N	N/A	186	328	0	N	100	68, 69
1	Johnson Mountain Twp	E	PSTR-31-06	Trib. to Piel Brook	8	PER	A	N	N	N/A	N	N	N/A	96	362	68	Y	100	71
1	Johnson Mountain Twp	E	PSTR-33-01	Mountain Brook	18	PER	A	Y	N	N/A	N	Y	Roaring Brook Mayfly and Northern Spring Salamander	147	415	0	N	100	76
1	Johnson Mountain Twp	E	PSTR-35-02	Trib. to Salmon Stream	2	PER	A	Y	N	N/A	N	N	N/A	216	415	57	Y	100	80
1	Johnson Mountain Twp	E	PSTR-38-02	Trib. to East Branch Salmon Stream	4	PER	A	Y	N	N/A	N	Y	Northern Spring Salamander	422	410	94	Y	100	87
1	Johnson Mountain Twp	E	PSTR-38-06	Trib. to East Branch Salmon Stream	6	PER	A	Y	N	N/A	N	Y	Northern Spring Salamander	133	431	83	Y	100	86, 87
1	Johnson Mountain Twp	E	PSTR-38-10	Trib. to East Branch Salmon Stream	6	PER	A	Y	N	N/A	N	Y	Northern Spring Salamander	133	354	79	Y	100	86
1	Johnson Mountain Twp	E	PSTR-38-15	Trib. to East Branch Salmon Stream	4	PER	A	Y	N	N/A	N	Y	Northern Spring Salamander	207	335	59	N	100	85
1	Johnson Mountain Twp	E	PSTR-39-02	Trib. to Cold Stream	2	PER	N/A	Y	N	Y	N	N	N/A	248	445	192	Y	100	88, 89
1	Johnson Mountain Twp	E	PSTR-40-06	Cold Stream	25	PER	AA	Y	N	Y	N	N	N/A	467	660	0	N	100	91
1	Johnson Mountain Twp	E	PSTR-40-07	Trib. to Cold Stream	5	PER	N/A	Y	N	Y	N	Y	Northern Spring Salamander and Roaring Brook Mayfly14	200	1090	0	N	100	91, 92
1	Johnson Mountain Twp	E	PSTR-40-09	Trib. to Cold Stream	2	PER	N/A	Y	N	Y	N	N	N/A	314	85	0	N	100	91
1	Johnson Mountain Twp	E	PSTR-41-04	Trib. to Cold Stream	2	PER	N/A	Y	N	Y	N	Y	Northern Spring Salamander and Roaring Brook Mayfly14	296	120	0	N	100	92
1	Johnson Mountain Twp	E	PSTR-42-03	Trib. to Tomhegan Stream	40	PER	A	Y	N	N/A	N	N	N/A	169	420	0	N	100	95
1	West Forks Plt	D	PSTR-44-01 (TOB)	Tomhegan Stream	15	PER	A	Y	N	Y	N	N	N/A	241	1124	37	Y	100	100
1	West Forks Plt	D	PSTR-44-02	Tomhegan Stream	15	PER	N/A	Y	N	Y	N	N	N/A	465	1	0	N	100	100
1	West Forks Plt	D	PSTR-44-04	Tomhegan Stream	15	PER	A	Y	N	Y	N	N	N/A	335	109	22	Y	100	100
1	West Forks Plt	D	PSTR-44-05	Tomhegan Stream	5	PER	A	Y	N	Y	N	N	N/A	397	187	0	N	100	100

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Outstanding River Segment (Y/N)[8]	RTE Species (Y/N)[9]	RTE Species Present[9]	Nearest New Structure Location (ft)	Streams within CMP Controlled Land (Linear Feet)[10]	Permanent Forested Conversion Impact to Streams (Linear Feet)[11]	Temp. Equipment Crossing[12] (Y/N)	Buffer Width (Feet)[13]	Natural Resource Map/Sheet Number
1	West Forks Plt	D	PSTR-44-06	Tomhegan Stream	5	PER	A	Y	N	Y	N	N	N/A	268	348	22	Y	100	100
1	West Forks Plt	D	PSTR-44-07	Tomhegan Stream	3	PER	N/A	Y	N	Y	N	N	N/A	155	326	22	Y	100	100
1	West Forks Plt	D	PSTR-44-09	Tomhegan Stream	4	PER	A	Y	N	Y	N	N	N/A	300	35	0	N	100	100
1	West Forks Plt	D	PSTR-45-01	Trib. to Cold stream	10	PER	N/A	Y	N	Y	N	N	N/A	214	394	0	N	100	102
1	West Forks Plt	D	PSTR-45-03	Trib. to Tomhegan Stream	5	PER	N/A	Y	N	Y	N	N	N/A	107	417	23	Y	100	100
1	West Forks Plt	D	PSTR-45-3	Tomhegan Stream	6	PER	A	Y	N	Y	N	N	N/A	368	210	0	N	100	100
1	West Forks Plt	D	PSTR-46-04	Trib. To Kennebec River	10	PER	N/A	Y	N	Y	N	N	N/A	151	502	0	N	100	104
1	West Forks Plt/Moxie Gore	D	PSTR-48-03	Kennebec River	300	PER	AA	Y	N	Y	Y	Y	Wood Turtle	732	924	0	N	100	109
1	Johnson Mountain Twp	E	PSTR-EM-34-01	Mountain Brook	9	PER	A	Y	N	N/A	N	N	N/A	233	26	0	N	100	76
1	Beattie Twp	E	PSTR-MS-03-2	Number One Brook	0	PER	A	N	N	N	N	N	N/A	247	798	0	N	100	9
1	Appleton Twp	E	PSTR-RR1-3	Trib. to Bog Brook	4	PER	A	N	N	N/A	N	N	N/A	387	278	0	N	100	27
1	Bradstreet Twp	E	PSTR-SR-29-05	Trib. to Piel Brook	4	PER	N/A	N	N	N/A	N	N	N/A	212	360	57	N	100	66
1	Johnson Mountain Twp	E	PSTR-SR-31-01	Piel Brook	10	PER	A	N	N	N/A	N	N	N/A	357	789	119	N	100	70
1	Bradstreet Twp	E	PSTR-SRD1-02	Trib. to Piel Brook	5	PER	N/A	N	N	N/A	N	Y	Northern Spring Salamander and Roaring Brook Mayfly14	273	34	0	N	100	66
1	Bradstreet Twp	E	PSTR-SRD1-28-01	Fourmile Brook	10	PER	A	N	N	N/A	N	N	N/A	93	324	61	N	100	63
1	Bradstreet Twp	E	PSTR-SRD1-28-04	Fourmile Brook	8	PER	A	N	N	N/A	N	N	N/A	124	201	59	N	100	63
1	Skinner Twp	E	STI-08-01		3	INT	A	N	N	N/A	N	N	N/A	192	173	0	N	100	20,21
1	Moxie Gore	D	STRM-50-01	Moxie Stream	80	PER	AA	Y	N	Y	N	Y	Wood Turtle	404	675	0	N	100	113
1	Appleton Twp	E	WB-16-101	Water body assoc. with trib. to Gold Brook	30	Open Water	N/A	N	N	N/A	N	N	N/A	256	349	0	N	100	37
2	Moscow	D	ESTR-66-12	Trib. to Heald Stream	2	INT	N/A	Y	N	N/A	N	N	N/A	485	84	37	N	100	148, 149
2	The Forks Plt	D	ISTR-53-01	Trib. to Moxie Pond	2	INT	N/A	Y	N	N/A	N	N	N/A	155	62	26	N	100	119
2	The Forks Plt	D	ISTR-54-01		9	INT	A	Y	N	N	N	N	N/A	176	221	59	Y	100	120
2	The Forks Plt	D	ISTR-54-02	Trib. to Moxie Pond	3	INT	A	Y	N	Y	N	N	N/A	103	118	75	Y	100	120
2	The Forks Plt	D	ISTR-55-01	Trib. to Moxie Pond	6	INT	N/A	Y	N	Y	N	N	N/A	445	164	73	Y	100	123
2	The Forks Plt	D	ISTR-55-02	Trib. to Moxie Pond	2	INT	N/A	Y	N	N/A	N	N	N/A	523	93	48	N	100	123
2	The Forks Plt	D	ISTR-55-03	Trib. to Moxie Pond	2	INT	N/A	Y	N	N/A	N	N	N/A	494	95	57	N	100	123
2	The Forks Plt	D	ISTR-56-03	Trib. to Moxie Pond	2	INT	N/A	Y	N	N/A	N	N	N/A	181	64	0	N	100	125
2	The Forks Plt	D	ISTR-57-02	Trib. to Mosquito Stream	5	INT	A	Y	N	Y	N	N	N/A	180	8	0	N	100	127
2	Bald Mountain Twp T2 R3	D	ISTR-59-02	Trib. to Little Sandy Stream	6	INT	A	Y	N	Y	N	N	N/A	185	318	182	Y	100	131
2	Bald Mountain Twp T2 R3	D	ISTR-60-05	Trib. to Joes Hole	2	INT	N/A	Y	N	N/A	N	N	N/A	134	133	0	N	100	134
2	Bald Mountain Twp T2 R3	D	ISTR-60-08	Trib. to Joes Hole	2	INT	N/A	Y	N	N/A	N	N	N/A	267	452	94	Y	100	133
2	Bald Mountain Twp T2 R3	D	ISTR-61-05	Trib. to Wild Brook	1	INT	N/A	Y	N	N/A	N	N	N/A	371	50	0	N	100	136
2	Bald Mountain Twp T2 R3	D	ISTR-62-01	Trib. to Wild Brook	3	INT	N/A	Y	N	N/A	N	N	N/A	267	309	83	N	100	139
2	Bald Mountain Twp T2 R3	D	ISTR-62-02	Trib. to Wild Brook	3	INT	N/A	Y	N	N/A	N	N	N/A	342	7	0	N	100	139
2	Bald Mountain Twp T2 R3	D	ISTR-62-03	Trib. to Wild Brook	3	INT	N/A	Y	N	N/A	N	N	N/A	255	348	80	N	100	140
2	Bald Mountain Twp T2 R3	D	ISTR-63-05	Trib. to Wild Brook	2	INT	N/A	Y	N	N/A	N	N	N/A	438	92	14	N	100	140
2	Bald Mountain Twp T2 R3	D	ISTR-63-07	Trib. to Wild Brook	2	INT	N/A	Y	N	N/A	N	N	N/A	467	120	88	N	100	141
2	Bald Mountain Twp T2 R3	D	ISTR-63-08	Trib. to Wild Brook	3	INT	N/A	Y	N	N/A	N	N	N/A	438	5	0	N	100	141
2	Bald Mountain Twp T2 R3	D	ISTR-63-09	Trib. to Wild Brook	3	INT	N/A	Y	N	N/A	N	N	N/A	322	3	0	N	100	141
2	Bald Mountain Twp T2 R3	D	ISTR-64-03	Trib. to Wild Brook	2	INT	N/A	Y	N	N/A	N	N	N/A	394	142	17	N	100	142, 143

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Outstanding River Segment (Y/N)[8]	RTE Species (Y/N)[9]	RTE Species Present[9]	Nearest New Structure Location (ft)	Streams within CMP Controlled Land (Linear Feet)[10]	Permanent Forested Conversion Impact to Streams (Linear Feet)[11]	Temp. Equipment Crossing[12] (Y/N)	Buffer Width (Feet)[13]	Natural Resource Map/Sheet Number
2	Bald Mountain Twp T2 R3	D	ISTR-64-05	Trib. to Wild Brook	3	INT	N/A	Y	N	N/A	N	N	N/A	303	92	32	N	100	142
2	Moscow	D	ISTR-65-04	Trib. to Little Heald Brook	2	INT	A	Y	N	Y	N	N	N/A	220	17	0	N	100	146
2	Moscow	D	ISTR-66-05	Heald Stream	3	INT	A	Y	N	Y	N	Y	Wood Turtle	454	66	44	N	100	147
2	Moscow	D	ISTR-66-06	Trib. to Heald Stream	6	INT	N/A	Y	N	Y	N	N	N/A	239	445	82	Y	100	147
2	Moscow	D	ISTR-66-07	Trib. to Heald Stream	4	INT	N/A	Y	N	N/A	N	N	N/A	263	361	88	Y	100	147
2	Moscow	D	ISTR-66-08	Trib. to Heald Stream	5	INT	N/A	Y	N	Y	N	N	N/A	285	113	15	N	100	148
2	Moscow	D	ISTR-66-09	Trib. to Heald Stream	5	INT	N/A	Y	N	Y	N	N	N/A	96	455	97	Y	100	148
2	Moscow	D	ISTR-66-10	Trib. to Heald Stream	5	INT	N/A	Y	N	Y	N	N	N/A	6	945	162	Y	100	148, 149
2	Moscow	D	ISTR-67-01	Trib. to Austin Stream	6	INT	N/A	Y	N	Y	N	N	N/A	112	1354	408	Y	100	149, 150
2	Moscow	D	ISTR-69-01	Trib. to Austin Stream	7	INT	N/A	Y	N	Y	N	N	N/A	132	479	479	N	100	156, 157
2	Moscow	D	ISTR-71-101	Trib. to Austin Stream	1	INT	N/A	Y	N	N/A	N	N	N/A	289	200	93	N	100	158
2	Moscow	D	ISTR-72-101	Trib. to Chase Stream	3	INT	N/A	Y	N	N/A	N	N	N/A	67	527	78	Y	100	159, 160
2	Moscow	D	ISTR-72-102	Trib. to Chase Stream	3	INT	N/A	Y	N	N/A	N	N	N/A	85	101	0	N	100	159
2	Moscow	D	ISTR-72-106	Trib. to Chase Stream	2	INT	N/A	Y	N	N/A	N	N	N/A	502	137	44	Y	100	160
2	Moscow	D	ISTR-72-107	Trib. to Chase Stream	8	INT	A	Y	N	Y	N	N	N/A	325	266	0	N	100	160
2	Moscow	D	ISTR-73-02	Mink Brook	2	INT	A	Y	N	Y	N	Y	Wood Turtle	611	21	0	N	100	161
2	Moscow	D	ISTR-73-03	Mink Brook	2	INT	A	Y	N	Y	N	Y	Wood Turtle	480	118	0	N	100	161
2	Moscow	D	ISTR-73-05	Trib. to Mink Brook	2	INT	A	Y	N	Y	N	Y	Wood Turtle	63	458	101	Y	100	161, 162
2	Moscow	D	ISTR-73-06	Trib. to Mink Brook	3	INT	N/A	Y	N	N/A	N	N	N/A	56	1022	309	N	100	162
2	Moscow	D	ISTR-73-07	Mink Brook	3	INT	A	Y	N	Y	N	Y	Wood Turtle	204	124	39	N	100	161
2	Moscow	D	ISTR-73-08	Trib. to Austin Stream	2	INT	N/A	Y	N	N/A	N	N	N/A	547	275	55	Y	100	163
2	Bald Mountain Twp T2 R3	D	POND-59-05	Joes Hole	100	Open Water	N/A	Y	N	Y	N	N	N/A	105	648	0	N	100	131, 132
2	Bald Mountain Twp T2 R3	D	POND-60-01	Joes Hole	180	Open Water	A	Y	N	Y	N	N	N/A	108	1137	90	N	100	133, 134
2	The Forks Plt	D	PSTR-54-01	Trib. to Moxie Pond	9	PER	A	Y	N	Y	N	N	N/A	177	201	42	N	100	120
2	The Forks Plt	D	PSTR-57-01	Mosquito Stream	10	PER	A	Y	N	Y	N	N	N/A	123	353	77	N	100	127
2	Bald Mountain Twp T2 R3	D	PSTR-59-01	Little Sandy Stream	15	PER	A	Y	N	Y	N	N	N/A	309	818	142	Y	100	131
2	Bald Mountain Twp T2 R3	D	PSTR-60-02	Trib. to Baker Stream	2	PER	N/A	Y	N	Y	N	N	N/A	196	431	86	Y	100	135
2	Bald Mountain Twp T2 R3	D	PSTR-60-06	Trib. to Joes Hole	5	PER	A	Y	N	Y	N	N	N/A	376	309	111	N	100	133
2	Bald Mountain Twp T2 R3	D	PSTR-60-07	Trib. to Joes Hole	2	PER	A	Y	N	Y	N	N	N/A	379	149	93	Y	100	133
2	Bald Mountain Twp T2 R3	D	PSTR-61-01	Wild Brook	5	PER	A	Y	N	Y	N	N	N/A	511	343	76	Y	100	137
2	Bald Mountain Twp T2 R3	D	PSTR-61-08	Trib. to Baker Stream	4	PER	N/A	Y	N	Y	N	N	N/A	237	308	118	N	100	136
2	Bald Mountain Twp T2 R3	D	PSTR-63-03	Wild Brook	7	PER	A	Y	N	Y	N	N	N/A	405	409	76	N	100	140
2	Bald Mountain Twp T2 R3	D	PSTR-63-04	Wild Brook	7	PER	A	Y	N	Y	N	N	N/A	308	449	84	Y	100	140
2	Bald Mountain Twp T2 R3	D	PSTR-63-06	Trib. to Wild Brook	4	PER	N/A	Y	N	Y	N	N	N/A	333	283	124	N	100	141
2	Bald Mountain Twp T2 R3	D	PSTR-63-10	Trib. to Wild Brook	6	PER	N/A	Y	N	Y	N	N	N/A	229	384	78	N	100	142
2	Bald Mountain Twp T2 R3	D	PSTR-63-11	Trib. to Wild Brook	4	PER	N/A	Y	N	Y	N	N	N/A	297	553	0	N	100	142
2	Bald Mountain Twp T2 R3	D	PSTR-64-02	Trib. to Wild Brook	5	PER	N/A	Y	N	Y	N	N	N/A	438	140	69	N	100	142, 143
2	Bald Mountain Twp T2 R3	D	PSTR-64-06	Trib. to Wild Brook	4	PER	N/A	Y	N	Y	N	N	N/A	118	554	0	N	100	143
2	Moscow	D	PSTR-65-01	Trib. to Little Heald Brook	3	PER	N/A	Y	N	Y	N	Y	Wood Turtle	48	314	43	Y	100	145
2	Moscow	D	PSTR-65-02	Little Heald Brook	25	PER	A	Y	N	Y	N	N	N/A	85	914	84	Y	100	146

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Outstanding River Segment (Y/N)[8]	RTE Species (Y/N)[9]	RTE Species Present[9]	Nearest New Structure Location (ft)	Streams within CMP Controlled Land (Linear Feet)[10]	Permanent Forested Conversion Impact to Streams (Linear Feet)[11]	Temp. Equipment Crossing[12] (Y/N)	Buffer Width (Feet)[13]	Natural Resource Map/Sheet Number
2	Moscow	D	PSTR-65-03	Little Heald Stream	2	PER	A	Y	N	Y	N	Y	Wood Turtle	139	114	0	Y	100	146
2	Moscow	D	PSTR-66-02	Heald Stream	15	PER	A	Y	N	Y	N	Y	Wood Turtle	463	838	114	N	100	146, 147
2	Moscow	D	PSTR-71-102	Trib. to Austin Stream	4	PER	N/A	Y	N	Y	N	N	N/A	376	230	0	N	100	157
2	Moscow	D	PSTR-72-103	Chase Stream	30	PER	A	Y	N	Y	N	N	N/A	109	2789	769	Y	100	159, 160
2	Moscow	D	PSTR-72-104	Trib. to Chase Stream	4	PER	A	Y	N	Y	N	N	N/A	221	215	109	Y	100	159, 160
2	Moscow	D	PSTR-72-105	Trib. to Chase Stream	2	PER	A	Y	N	Y	N	N	N/A	238	45	45	N	100	159, 160
2	Moscow	D	PSTR-73-01	Mink Brook	2	PER	A	Y	N	Y	N	Y	Wood Turtle	32	2418	611	N	100	161
2	Moscow	D	PSTR-73-04	Trib. to Mink Brook	2	PER	A	Y	N	Y	N	Y	Wood Turtle	43	296	115	Y	100	161
2	Moscow	D	PSTR-74-01	Trib. to Kennebec River	2	PER	B	Y	N	Y	N	N	N/A	115	614	128	N	100	164, 165
3	Lewiston		B-15-212-264-1-1		0									644	110	0	N	100	327
3	Lewiston		B-15-212-268-1-1		0									1048	718	0	N	100	327
3	Lewiston		B-15-212-269-1-1		0									1466	340	0	N	100	327
3	Starks	D	ISTR-100-01	Trib. To Meadow Brook	2	INT	B	Y	Y	N	N	N	N/A	498	126	58	N	100	220
3	Starks	D	ISTR-100-02	Trib. To Meadow Brook	2	INT	N/A	Y	Y	N/A	N	N	N/A	489	454	77	Y	100	221
3	Starks	D	ISTR-100-03	Trib. To Meadow Brook	1	INT	B	Y	Y	N/A	N	N	N/A	311	491	82	Y	100	221
3	Industry	D	ISTR-101-01	Trib. to Josiah Brook	5	INT	N/A	Y	Y	Y	N	N	N/A	362	96	0	N	100	223
3	Industry	D	ISTR-101-02	Trib. to Josiah Brook	2	INT	N/A	Y	Y	N/A	N	N	N/A	326	97	0	N	100	223
3	Industry	D	ISTR-101-04	Trib. to Josiah Brook	4	INT	N/A	Y	Y	Y	N	N	N/A	206	20	0	N	100	223
3	Industry	D	ISTR-101-06	Trib. to Josiah Brook	3	INT	N/A	Y	Y	N/A	N	N	N/A	502	444	93	Y	100	224
3	Industry	D	ISTR-102-01	Trib. to Josiah Brook	8	INT	B	Y	Y	Y	N	N	N/A	220	268	5	N	100	225, 226
3	Industry	D	ISTR-102-02	Trib. to Josiah Brook	5	INT	B	Y	Y	Y	N	N	N/A	183	194	87	Y	100	225
3	Industry	D	ISTR-102-03	Trib. to Goodrich Brook	3	INT	N/A	Y	Y	N/A	N	N	N/A	396	217	22	N	100	227
3	Industry	D	ISTR-103-01	Trib. to Goodrich Brook	5	INT	N/A	Y	Y	Y	N	N	N/A	345	208	0	Y	100	229
3	Industry	D	ISTR-103-02	Trib. to Goodrich Brook	2	INT	N/A	Y	Y	N/A	N	N	N/A	265	41	0	N	100	229
3	Industry	D	ISTR-103-03	Trib. to Goodrich Brook	3	INT	N/A	Y	Y	N/A	N	N	N/A	95	207	0	N	100	228, 229
3	Industry	D	ISTR-103-04	Trib. to Goodrich Brook	3	INT	N/A	Y	Y	N/A	N	N	N/A	116	168	79	Y	100	228, 229
3	Industry	D	ISTR-103-05	Trib. to Goodrich Brook	3	INT	N/A	Y	Y	N/A	N	N	N/A	179	64	53	N	100	228
3	Industry	D	ISTR-103-06	Trib. to Goodrich Brook	2	INT	N/A	Y	Y	N/A	N	N	N/A	367	59	0	N	100	228
3	Industry	D	ISTR-103-08	Trib. to Goodrich Brook	4	INT	N/A	Y	Y	N/A	N	N	N/A	203	73	2	N	100	227, 228
3	Industry	D	ISTR-103-09	Trib. to Goodrich Brook	5	INT	N/A	Y	Y	Y	N	N	N/A	283	29	0	N	100	227, 228
3	Industry	D	ISTR-103-10	Trib. to Goodrich Brook	4	INT	N/A	Y	Y	N/A	N	N	N/A	318	167	0	N	100	227
3	Industry	D	ISTR-103-15	Trib. to Goodrich Brook	3	INT	N/A	Y	Y	N/A	N	N	N/A	47	442	207	N	100	227
3	Industry	D	ISTR-103-16	Trib. to Goodrich Brook	5	INT	N/A	Y	Y	Y	N	N	N/A	368	26	0	N	100	227
3	Industry	D	ISTR-104-01	Trib. to Goodrich Brook	2	INT	N/A	Y	Y	N/A	N	N	N/A	416	168	0	N	100	229
3	Industry	D	ISTR-104-02	Trib. to Goodrich Brook	4	INT	B	Y	Y	N/A	N	N	N/A	150	125	83	N	100	230
3	Farmington	D	ISTR-107-01	Trib. to Beales Brook	2	INT	B	Y	Y	N/A	N	N	N/A	281	245	104	N	100	238
3	Farmington	D	ISTR-107-03	Trib. to Beales Brook	1	INT	N/A	Y	Y	N/A	N	N	N/A	236	133	78	N	100	236, 237
3	Farmington	D	ISTR-108-01	Trib. to Cascade Brook	3	INT	N/A	Y	Y	N/A	N	N	N/A	201	376	0	N	100	240
3	Farmington	D	ISTR-108-02	Trib. to Cascade Brook	2	INT	B	Y	Y	N/A	N	N	N/A	247	229	80	Y	100	240
3	Farmington	D	ISTR-108-03	Trib. to Cascade Brook	2	INT	B	Y	Y	N/A	N	N	N/A	274	54	22	N	100	240

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Outstanding River Segment (Y/N)[8]	RTE Species (Y/N)[9]	RTE Species Present[9]	Nearest New Structure Location (ft)	Streams within CMP Controlled Land (Linear Feet)[10]	Permanent Forested Conversion Impact to Streams (Linear Feet)[11]	Temp. Equipment Crossing[12] (Y/N)	Buffer Width (Feet)[13]	Natural Resource Map/Sheet Number
3	Farmington	D	ISTR-108-04	Trib. to Cascade Brook	1	INT	B	Y	Y	N/A	N	N	N/A	193	132	72	Y	100	239
3	Farmington	D	ISTR-108-05	Trib. to Cascade Brook	2	INT	N/A	Y	Y	N/A	N	N	N/A	22	472	232	N	100	239
3	Farmington	D	ISTR-108-06	Trib. to Cascade Brook	2	INT	B	Y	Y	N/A	N	N	N/A	320	170	0	N	100	239
3	Farmington	D	ISTR-108-07	Trib. to Cascade Brook	4	INT	B	Y	Y	N/A	N	N	N/A	86	2296	109	N	100	239, 240
3	Farmington	D	ISTR-108-08	Trib. to Cascade Brook	2	INT	B	Y	Y	N/A	N	N	N/A	57	497	497	N	100	239
3	Farmington	D	ISTR-108-09	Trib. to Cascade Brook	1	INT	B	Y	Y	N/A	N	N	N/A	402	150	99	N	100	239
3	Farmington	D	ISTR-109-01	Trib. to Cascade Brook	3	INT	B	Y	Y	N/A	N	N	N/A	163	253	0	N	100	241
3	Farmington	D	ISTR-109-03	Trib. to Cascade Brook	3	INT	N/A	Y	Y	N/A	N	N	N/A	435	651	231	Y	100	241
3	Farmington	D	ISTR-111-01	Trib. to Wilson Stream	2	INT	N/A	Y	Y	N/A	N	N	N/A	162	99	0	N	100	246
3	Farmington	D	ISTR-111-02	Trib. to Wilson Stream	4	INT	N/A	Y	Y	Y	N	N	N/A	240	150	0	N	100	246, 247
3	Farmington	D	ISTR-111-03	Trib. to Wilson Stream	4	INT	N/A	Y	Y	Y	N	N	N/A	50	507	215	N	100	246
3	Jay	D	ISTR-114-02	Trib. to Wilson Stream	3	INT	N/A	Y	Y	N/A	N	N	N/A	129	162	10	N	100	253
3	Chesterville	D	ISTR-114-03	Trib. to Wilson Stream	6	INT	N/A	Y	Y	Y	N	N	N/A	137	526	86	Y	100	253
3	Chesterville	D	ISTR-114-06	Trib. to Wilson Stream	5	INT	B	Y	Y	Y	N	Y	Wood Turtle	219	311	0	N	100	252
3	Jay	D	ISTR-116-02	Trib. To Sugar Brook	8	INT	N/A	Y	Y	N	N	N	N/A	341	492	96	Y	100	256
3	Jay	D	ISTR-116-03	Trib. to Sugar Brook	2	INT	N/A	Y	Y	N/A	N	N	N/A	91	583	124	Y	100	256
3	Jay	D	ISTR-117-01	Trib. to Fuller Brook	2	INT	N/A	Y	Y	N/A	N	N	N/A	96	837	201	N	100	259
3	Jay	D	ISTR-117-03	Trib. To Fuller Brook	4	INT	N/A	Y	Y	N/A	N	N	N/A	57	323	311	N	100	259
3	Jay	D	ISTR-121-01	Trib. to Clay Brook	3	INT	B	Y	N	N/A	N	N	N/A	227	24	0	N	100	268
3	Livermore Falls	B	ISTR-123-01	Trib. to Clay Brook	4	INT	B	Y	N	N/A	N	N	N/A	85	103	0	N	100	272
3	Livermore Falls	B	ISTR-123-02	Trib. to Clay Brook	3	INT	B	Y	N	N/A	N	N	N/A	114	230	185	N	100	272
3	Livermore Falls	B	ISTR-123-03	Trib. to Clay Brook	4	INT	B	Y	N	N/A	N	N	N/A	150	205	0	N	100	272
3	Livermore Falls	B	ISTR-124-01	Trib. to Androscoggin River	3	INT	C	Y	N	N/A	N	N	N/A	253	194	31	N	100	274
3	Livermore Falls	B	ISTR-124-02	Trib. to Androscoggin River	3	INT	C	Y	N	N/A	N	N	N/A	429	325	0	N	100	274
3	Livermore Falls	B	ISTR-125-05	Trib. to Androscoggin River	4	INT	C	Y	N	N/A	N	N	N/A	319	45	0	N	100	277
3	Livermore Falls	B	ISTR-125-06	Trib. to Androscoggin River	2	INT	C	Y	N	N/A	N	N	N/A	244	56	0	N	100	277
3	Livermore Falls	B	ISTR-126-01	Trib. to Androscoggin River	3	INT	C	Y	N	N/A	N	N	N/A	297	438	83	N	100	279
3	Livermore Falls	B	ISTR-126-04	Trib. to Androscoggin River	3	INT	C	Y	N	N/A	N	N	N/A	132	424	78	Y	100	280
3	Livermore Falls	B	ISTR-126-06	Trib. to Androscoggin River	2	INT	C	Y	N	N/A	N	N	N/A	422	254	0	N	100	279
3	Livermore Falls	B	ISTR-127-01	Trib. to Androscoggin River	10	INT	N/A	Y	N	N/A	N	Y	Creeper	411	561	101	Y	100	280, 281
3	Livermore Falls	B	ISTR-127-03	Trib. to Hunton Brook	30	INT	B	Y	N	N/A	N	N	N/A	529	152	91	N	100	282
3	Livermore Falls	B	ISTR-128-02	Trib. to Androscoggin River	2	INT	C	Y	N	N/A	N	N	N/A	234	287	0	N	100	283
3	Livermore Falls	B	ISTR-128-03	Trib. to Androscoggin River	2	INT	C	Y	N	N/A	N	N	N/A	98	277	117	Y	100	283
3	Leeds	B	ISTR-130-01	Trib. to Dead River	8	INT	B	Y	N	N/A	N	N	N/A	296	90	24	N	100	289
3	Leeds	B	ISTR-130-02	Trib. to Androscoggin River	3	INT	C	Y	N	N/A	N	N	N/A	58	248	106	Y	100	287
3	Leeds	B	ISTR-130-03	Trib. to Androscoggin River	3	INT	C	Y	N	N/A	N	N	N/A	351	480	107	Y	100	287, 288
3	Leeds	B	ISTR-131-01	Trib. to Dead River	4	INT	B	Y	N	N/A	N	N	N/A	15	851	231	Y	100	289
3	Leeds	B	ISTR-131-02	Trib. To Dead River	3	INT	B	Y	N	N/A	N	N	N/A	142	144	0	N	100	291
3	Leeds	B	ISTR-132-01	Trib. To Dead River	3	INT	B	Y	N	N/A	N	N	N/A	183	127	77	Y	100	292
3	Leeds	B	ISTR-132-02	Trib. To Dead River	3	INT	B	Y	N	N/A	N	N	N/A	272	49	0	N	100	292

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Outstanding River Segment (Y/N)[8]	RTE Species (Y/N)[9]	RTE Species Present[9]	Nearest New Structure Location (ft)	Streams within CMP Controlled Land (Linear Feet)[10]	Permanent Forested Conversion Impact to Streams (Linear Feet)[11]	Temp. Equipment Crossing[12] (Y/N)	Buffer Width (Feet)[13]	Natural Resource Map/Sheet Number
3	Leeds	B	ISTR-134-01	Trib. to Allen Stream	2	INT	B	Y	N	N/A	N	N	N/A	120	535	180	Y	100	298
3	Leeds	B	ISTR-134-02	Trib. to Allen Stream	2	INT	B	Y	N	N/A	N	N	N/A	116	164	0	N	100	297
3	Leeds	B	ISTR-134-03	Trib. to Allen Stream	2	INT	B	Y	N	N/A	N	N	N/A	51	552	467	N	100	297
3	Leeds	B	ISTR-135-02	Trib. to Allen Stream	2	INT	B	Y	N	N/A	N	N	N/A	167	1257	297	Y	100	299
3	Leeds	B	ISTR-135-03	Trib. to Allen Stream	2	INT	B	Y	N	N/A	N	N	N/A	152	3114	289	N	100	299, 300
3	Leeds	B	ISTR-135-04	Trib. to Allen Stream	4	INT	B	Y	N	N/A	N	N	N/A	206	49	0	N	100	299
3	Greene	A	ISTR-138-01	Trib. to Allen Pond	4	INT	B	Y	N	N/A	N	N	N/A	100	494	122	N	100	307
3	Greene	A	ISTR-138-02	Trib. to Allen Pond	4	INT	B	Y	N	N/A	N	N	N/A	312	494	0	N	100	307
3	Greene	A	ISTR-138-03	Trib. to Allen Stream	3	INT	B	Y	N	N/A	N	N	N/A	254	260	84	N	100	306
3	Greene	A	ISTR-139-03	Trib. to Allen Pond	2	INT	B	Y	N	N/A	N	N	N/A	278	244	108	N	100	309
3	Greene	A	ISTR-140-02	Trib. to Allen Pond	2	INT	B	Y	N	N/A	N	N	N/A	140	203	43	N	100	309
3	Greene	A	ISTR-140-03	Trib. to Allen Pond	6	INT	B	Y	N	N/A	N	N	N/A	197	1180	0	Y	100	310
3	Greene	A	ISTR-140-04	Trib. to Allen Pond	3	INT	B	Y	N	N/A	N	N	N/A	296	91	0	N	100	309
3	Greene	A	ISTR-140-05	Trib. to Allen Pond	3	INT	B	Y	N	N/A	N	N	N/A	265	79	0	N	100	309
3	Greene	A	ISTR-140-07	Trib. to Allen Pond	2	INT	B	Y	N	N/A	N	N	N/A	151	579	0	N	100	310, 311
3	Greene	A	ISTR-141-02	Trib. to Daggett Bog	4	INT	B	Y	N	N/A	N	N	N/A	268	254	94	N	100	312
3	Lewiston	A	ISTR-145-02	Trib. to Stetson Brook	2	INT	C	Y	N	Y	N	N	N/A	157	121	11	N	100	322
3	Lewiston	A	ISTR-145-03	Trib. to Stetson Brook	8	INT	C	Y	N	N/A	N	N	N/A	230	18	0	N	100	321
3	Concord Twp	D	ISTR-75-03	Trib. to Kennebec River	4	INT	N/A	Y	N	N/A	N	N	N/A	269	199	0	Y	100	167
3	Concord Twp	D	ISTR-76-02	Trib. to Kennebec River	1	INT	N/A	Y	N	N/A	N	N	N/A	270	140	0	N	100	167
3	Concord Twp	D	ISTR-76-03	Trib. to Kennebec River	20	INT	B	Y	N	Y	N	N	N/A	558	40	0	N	100	167
3	Concord Twp	D	ISTR-76-04	Trib. to Kennebec River	2	INT	B	Y	N	N/A	N	N	N/A	386	81	0	N	100	167
3	Concord Twp	D	ISTR-76-05	Trib. to Kennebec River	15	INT	N/A	Y	N	Y	N	N	N/A	282	212	0	N	100	167, 168
3	Concord Twp	D	ISTR-76-06	Trib. to Kennebec River	20	INT	N/A	Y	N	Y	N	N	N/A	238	915	105	N	100	169
3	Concord Twp	D	ISTR-77-03	Trib. to Kennebec River	2	INT	N/A	Y	N	N/A	N	N	N/A	228	328	0	N	100	171
3	Concord Twp	D	ISTR-78-01	Trib. To Mill Stream	3	INT	N/A	Y	N	N/A	N	N	N/A	251	88	0	N	100	173
3	Concord Twp	D	ISTR-78-02	Trib. To Mill Stream	3	INT	N/A	Y	N	N/A	N	N	N/A	301	459	0	N	100	173
3	Concord Twp	D	ISTR-80-01	Trib. to Kennebec River	2	INT	N/A	Y	N	N/A	N	N	N/A	495	269	55	N	100	177
3	Concord Twp	D	ISTR-80-02	Trib. to Kennebec River	3	INT	N/A	Y	N	N/A	N	N	N/A	187	77	0	N	100	176
3	Concord Twp	D	ISTR-80-03	Trib. to Kennebec River	2	INT	N/A	Y	N	N/A	N	N	N/A	188	105	18	N	100	176
3	Concord Twp	D	ISTR-80-04	Trib. to Kennebec River	2	INT	N/A	Y	N	N/A	N	N	N/A	526	96	0	N	100	177
3	Concord Twp	D	ISTR-80-05	Trib. to Kennebec River	3	INT	N/A	Y	N	N/A	N	N	N/A	286	49	0	N	100	177
3	Concord Twp	D	ISTR-81-01	Trib. to Kennebec River	4	INT	N/A	Y	N	N/A	N	N	N/A	295	9	0	N	100	178, 179
3	Concord Twp	D	ISTR-81-02	Trib. to Kennebec River	4	INT	N/A	Y	N	N/A	N	N	N/A	281	15	0	N	100	178, 179
3	Embden	D	ISTR-82-01	Trib. to Alder Brook	5	INT	N/A	Y	N	Y	N	N	N/A	427	80	0	N	100	182, 183
3	Embden	D	ISTR-83-02	Trib. to Alder Brook	4	INT	N/A	Y	N	N/A	N	N	N/A	475	356	98	N	100	184
3	Embden	D	ISTR-83-05	Trib. to Alder Brook	3	INT	B	Y	N	Y	N	Y	Wood Turtle	309	328	0	N	100	184
3	Embden	D	ISTR-83-06	Trib. to Alder Brook	2	INT	B	Y	N	Y	N	Y	Wood Turtle	281	76	44	Y	100	183, 184
3	Embden	D	ISTR-84-01	Trib. to Alder Brook	4	INT	N/A	Y	N	N/A	N	N	N/A	312	248	0	N	100	185
3	Embden	D	ISTR-85-01	Jackin Brook	2	INT	B	Y	N	Y	N	N	N/A	158	1175	198	N	100	187, 188

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Outstanding River Segment (Y/N)[8]	RTE Species (Y/N)[9]	RTE Species Present[9]	Nearest New Structure Location (ft)	Streams within CMP Controlled Land (Linear Feet)[10]	Permanent Forested Conversion Impact to Streams (Linear Feet)[11]	Temp. Equipment Crossing[12] (Y/N)	Buffer Width (Feet)[13]	Natural Resource Map/Sheet Number
3	Embden	D	ISTR-85-01 Trib	Trib. to Jackin Brook	2	INT	B	Y	N	Y	N	N	N/A	158	97	53	N	100	187, 188
3	Anson	D	ISTR-88-01	Trib. to Fahi Brook	1	INT	B	Y	N	N/A	N	N	N/A	629	120	0	N	100	196
3	Anson	D	ISTR-89-03	Trib. to Fahi Brook	4	INT	B	Y	N	N/A	N	N	N/A	311	245	0	N	100	196
3	Anson	D	ISTR-90-04	Trib. to Carrabassett River	2	INT	N/A	Y	Y	N/A	N	N	N/A	212	228	0	N	100	200
3	Anson	D	ISTR-92-01	Trib. to Carrabassett River	2	INT	N/A	Y	Y	N/A	N	N	N/A	400	666	128	N	100	204
3	Anson	D	ISTR-92-02	Trib. to Carrabassett River	2	INT	N/A	Y	Y	N/A	N	N	N/A	381	97	0	N	100	204
3	Anson	D	ISTR-92-05	Trib. to Gilman Brook	4	INT	N/A	Y	Y	N/A	N	N	N/A	375	126	0	N	100	205
3	Anson	D	ISTR-93-02	Trib. to Getchell Brook	4	INT	B	Y	Y	N/A	N	Y	Wood Turtle	162	1875	191	Y	100	208
3	Anson	D	ISTR-95-01	Trib. to Kennebec River	2	INT	B	Y	Y	N/A	N	N	N/A	111	1207	135	Y	100	209, 210
3	Anson	D	ISTR-95-02	Trib. to Kennebec River	6	INT	N/A	Y	Y	Y	N	N	N/A	416	397	0	N	100	209, 210
3	Anson	D	ISTR-95-03	Trib. to Kennebec River	1	INT	N/A	Y	Y	N/A	N	N	N/A	504	119	0	N	100	210
3	Anson	D	ISTR-95-04	Trib. to Kennebec River	1	INT	B	Y	Y	N/A	N	N	N/A	412	149	0	N	100	210
3	Starks	D	ISTR-96-03	Trib. to Pelton Brook	2	INT	N/A	Y	Y	N/A	N	N	N/A	273	195	38	N	100	212
3	Starks	D	ISTR-96-04	Trib. to Pelton Brook	3	INT	N/A	Y	Y	N/A	N	N	N/A	485	63	0	N	100	212
3	Starks	D	ISTR-96-07	Trib. to Pelton Brook	3	INT	N/A	Y	Y	N/A	N	Y	Wood Turtle	439	101	0	N	100	213
3	Starks	D	ISTR-96-08	Trib. to Pelton Brook	4	INT	N/A	Y	Y	N/A	N	N	N/A	236	99	0	N	100	213
3	Starks	D	ISTR-96-09	Trib. to Pelton Brook	2	INT	N/A	Y	Y	N/A	N	N	N/A	243	188	0	N	100	213
3	Starks	D	ISTR-96-10	Trib. to Pelton Brook	5	INT	N/A	Y	Y	Y	N	N	N/A	286	227	60	N	100	213
3	Starks	D	ISTR-96-11	Trib. to Pelton Brook	2	INT	N/A	Y	Y	N/A	N	N	N/A	301	46	0	N	100	213
3	Starks	D	ISTR-96-12	Trib. to Pelton Brook	2	INT	N/A	Y	Y	N/A	N	N	N/A	224	125	79	N	100	213
3	Starks	D	ISTR-97-02	Trib. to Pelton Brook	100	INT	N/A	Y	Y	Y	N	N	N/A	461	114	0	N	100	214, 215
3	Starks	D	ISTR-97-03	Trib. to Pelton Brook	2	INT	N/A	Y	Y	N/A	N	N	N/A	495	108	0	N	100	214, 215
3	Starks	D	ISTR-97-04	Trib. to Pelton Brook	3	INT	N/A	Y	Y	N/A	N	N	N/A	340	195	85	Y	100	214, 215
3	Starks	D	ISTR-97-06	Trib. to Cold Pond/Hilton Brook	4	INT	N/A	Y	Y	N/A	N	N	N/A	487	149	0	N	100	216
3	Starks	D	ISTR-97-07	Trib. to Cold Pond/Hilton Brook	2	INT	N/A	Y	Y	N/A	N	N	N/A	568	195	71	Y	100	216
3	Starks	D	ISTR-98-01	Trib. to Lemon Stream	2	INT	N/A	Y	Y	N/A	N	N	N/A	110	220	78	N	100	217, 218
3	Starks	D	ISTR-99-01	Trib. to Lemon Stream	2	INT	B	Y	Y	Y	N	N	N/A	150	91	22	N	100	219
3	Starks	D	ISTR-99-03	Trib. to Lemon Stream	1	INT	B	Y	Y	Y	N	N	N/A	129	76	25	N	100	219
3	Starks	D	ISTR-99-04	Trib. to Lemon Stream	3	INT	B	Y	Y	Y	N	Y	Wood Turtle	119	539	206	Y	100	219
3	Starks	D	ISTR-99-07	Lemon Stream	1	INT	N/A	Y	Y	Y	N	N	N/A	201	123	0	N	100	220
3	Lewiston	A	ISTR-PERRON-1	Trib. to Stetson Brook	0	INT	N/A	Y	N	N/A	N	N	N/A	27	349	206	N	100	320
3	Industry	D	PSTR-101-03	Trib. to Josiah Brook	6	PER	N/A	Y	Y	Y	N	N	N/A	164	184	73	N	100	223
3	Industry	D	PSTR-101-05	Josiah Brook	3	PER	B	Y	Y	Y	N	N	N/A	235	421	88	Y	100	224
3	Industry	D	PSTR-103-11	Trib. to Goodrich Brook	7	PER	B	Y	Y	Y	N	N	N/A	349	468	80	N	100	228
3	Industry	D	PSTR-103-12	Goodrich Brook	15	PER	B	Y	Y	Y	N	N	N/A	228	1285	246	Y	100	229
3	Industry	D	PSTR-103-13	Trib. to Goodrich Brook	7	PER	B	Y	Y	Y	N	N	N/A	162	435	0	N	100	229
3	Industry	D	PSTR-103-14	Trib. to Goodrich Brook	8	PER	B	Y	Y	Y	N	N	N/A	194	155	0	N	100	229
3	Industry	D	PSTR-104-04	Trib. to Goodrich Brook	6	PER	B	Y	Y	Y	N	N	N/A	127	421	86	Y	100	230
3	New Sharon	D	PSTR-105-01	Muddy Brook	40	PER	B	Y	Y	Y	N	N	N/A	412	906	164	N	100	232
3	Farmington	D	PSTR-107-02	Trib. to Beales Brook	4	PER	B	Y	Y	N/A	N	N	N/A	117	612	79	Y	100	237

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Outstanding River Segment (Y/N)[8]	RTE Species (Y/N)[9]	RTE Species Present[9]	Nearest New Structure Location (ft)	Streams within CMP Controlled Land (Linear Feet)[10]	Permanent Forested Conversion Impact to Streams (Linear Feet)[11]	Temp. Equipment Crossing[12] (Y/N)	Buffer Width (Feet)[13]	Natural Resource Map/Sheet Number
3	Farmington	D	PSTR-107-04	Beales Brook	5	PER	B	Y	Y	Y	N	N	N/A	416	631	108	N	100	236
3	Farmington	D	PSTR-109-02	Cascade Brook	8	PER	B	Y	Y	N	N	Y	Wood Turtle	114	2115	9	Y	100	242
3	Farmington	D	PSTR-110-01	Sandy River	70	PER	B	Y	Y	Y	Y	N	N/A	135	1000	152	N	100	242, 243
3	Farmington	D	PSTR-112-01	Trib. to Wilson Stream	2	PER	B	Y	Y	Y	N	N	N/A	304	519	92	Y	100	249
3	Farmington	D	PSTR-112-02	Trib. to Wilson Stream	6	PER	N/A	Y	Y	Y	N	Y	Wood Turtle	78	674	105	N	100	247, 248
3	Farmington	D	PSTR-112-03	Wilson Stream	40	PER	C	Y	Y	Y	N	Y	Wood Turtle	61	1000	41	N	100	247
3	Chesterville	D	PSTR-114-01	Trib. to Wilson Stream	8	PER	N/A	Y	Y	Y	N	N	N/A	227	749	85	N	100	253, 254
3	Chesterville	D	PSTR-114-04	Trib. to Wilson Stream	1	PER	N/A	Y	Y	Y	N	N	N/A	349	85	0	N	100	252
3	Chesterville	D	PSTR-114-05	Trib. to Wilson Stream	25	PER	B	Y	Y	Y	N	Y	Wood Turtle	62	1526	217	Y	100	252
3	Chesterville	D	PSTR-114-07	Trib. to Wilson Stream	5	PER	B	Y	Y	Y	N	Y	Wood Turtle	100	1038	250	Y	100	252, 253
3	Jay	D	PSTR-116-04	Sugar Brook	4	PER	B	Y	Y	N	N	N	N/A	302	397	76	Y	100	257
3	Jay	D	PSTR-117-02	Trib. To Fuller Brook	5	PER	N/A	Y	Y	N	N	N	N/A	105	725	634	N	100	258, 259
3	Jay	D	PSTR-117-04	Fuller Brook	3	PER	B	Y	Y	N	N	N	N/A	68	428	191	Y	100	260
3	Jay	D	PSTR-118-01	Fuller Brook	15	PER	B	Y	Y	N	N	N	N/A	475	912	95	N	100	262
3	Jay	D	PSTR-119-01	James Brook	15	PER	B	Y	Y	N/A	N	N	N/A	239	891	156	Y	100	263
3	Jay/Livermore Falls	D	PSTR-121-02	Trib. to Clay Brook	3	PER	B	Y	N	N	N	N	N/A	132	1291	0	N	100	268, 269
3	Livermore Falls	B	PSTR-121-03	Trib. to Clay Brook	2	PER	B	Y	N	N/A	N	N	N/A	329	767	0	N	100	269
3	Jay	D	PSTR-121-04	Trib. to Clay Brook	3	PER	B	Y	N	N	N	N	N/A	73	4134	0	Y	100	267, 268, 269
3	Livermore Falls	B	PSTR-122-01	Trib. to Clay Brook	5	PER	B	Y	N	N/A	N	N	N/A	466	315	0	N	100	269, 270
3	Livermore Falls	B	PSTR-122-02	Trib. to Clay Brook	5	PER	B	Y	N	N/A	N	N	N/A	208	311	100	N	100	270
3	Livermore Falls	B	PSTR-122-03	Clay Brook/Redwater Brook	5	PER	B	Y	N	N/A	N	N	N/A	62	1437	200	Y	100	270, 271
3	Livermore Falls	B	PSTR-122-04	Trib. to Clay Brook	2	PER	B	Y	N	N/A	N	N	N/A	252	245	0	Y	100	269, 270
3	Livermore Falls	B	PSTR-122-05	Trib. to Clay Brook	6	PER	B	Y	N	N/A	N	N	N/A	295	285	0	N	100	269
3	Livermore Falls	B	PSTR-122-06	Trib. to Clay Brook	2	PER	B	Y	N	N/A	N	N	N/A	250	319	0	N	100	269
3	Livermore Falls	B	PSTR-122-07	Trib. to Clay Brook	5	PER	B	Y	N	N/A	N	N	N/A	311	379	0	N	100	270
3	Livermore Falls	B	PSTR-125-01	Trib. to Androscoggin River	2	PER	C	Y	N	N/A	N	N	N/A	294	107	0	N	100	276
3	Livermore Falls	B	PSTR-125-02	Trib. to Androscoggin River	2	PER	N/A	Y	N	N	N	N	N/A	295	476	93	Y	100	277
3	Livermore Falls	B	PSTR-125-03	Trib. to Androscoggin River	2	PER	C	Y	N	N/A	N	N	N/A	54	588	68	Y	100	277, 278
3	Livermore Falls	B	PSTR-125-04	Trib. to Androscoggin River	4	PER	C	Y	N	N/A	N	N	N/A	178	1561	189	N	100	277, 278
3	Livermore Falls	B	PSTR-126-02	Trib. to Androscoggin River	4	PER	C	Y	N	N/A	N	N	N/A	333	234	0	N	100	279
3	Livermore Falls	B	PSTR-126-03	Trib. to Androscoggin River	5	PER	C	Y	N	N/A	N	N	N/A	141	462	83	N	100	280
3	Livermore Falls	B	PSTR-126-05	Trib. to Androscoggin River	4	PER	C	Y	N	N/A	N	N	N/A	346	159	46	N	100	279
3	Livermore Falls	B	PSTR-127-02	Trib. to Hunton Brook	30	PER	B	Y	N	N/A	N	Y	Wood Turtle	493	275	0	N	100	281
3	Livermore Falls	B	PSTR-127-04	Hunton Brook	4	PER	B	Y	N	N/A	N	Y	Wood Turtle	105	6457	2495	Y	100	281, 282
3	Livermore Falls	B	PSTR-128-01	Trib. to Androscoggin River	3	PER	C	Y	N	N/A	N	N	N/A	108	477	77	Y	100	282, 283
3	Livermore Falls	B	PSTR-129-01	Scott Brook	20	PER	B	Y	N	N/A	N	N	N/A	166	495	106	N	100	285, 286
3	Leeds	B	PSTR-130-04	Dead River	60	PER	B	Y	N	N/A	N	N	N/A	91	1305	168	N	100	289
3	Leeds	B	PSTR-133-01	Trib. to Allen Stream	3	PER	B	Y	N	N/A	N	N	N/A	183	466	82	Y	100	295
3	Leeds	B	PSTR-135-01	Trib. to Allen Stream	2	PER	B	Y	N	N/A	N	N	N/A	322	158	0	N	100	299
3	Leeds	B	PSTR-136-01	Trib. to Androscoggin River	6	PER	B	Y	N	N/A	N	N	N/A	194	630	116	Y	100	302

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Outstanding River Segment (Y/N)[8]	RTE Species (Y/N)[9]	RTE Species Present[9]	Nearest New Structure Location (ft)	Streams within CMP Controlled Land (Linear Feet)[10]	Permanent Forested Conversion Impact to Streams (Linear Feet)[11]	Temp. Equipment Crossing[12] (Y/N)	Buffer Width (Feet)[13]	Natural Resource Map/Sheet Number
3	Greene	A	PSTR-139-01	Trib. to Allen Stream	4	PER	B	Y	N	N/A	N	N	N/A	480	377	41	Y	100	307
3	Greene	A	PSTR-139-02	Trib. to Allen Stream	4	PER	B	Y	N	N/A	N	N	N/A	500	130	0	N	100	307
3	Greene	A	PSTR-140-01	Allen Stream	6	PER	B	Y	N	N/A	N	N	N/A	292	463	0	N	100	310
3	Greene	A	PSTR-140-06	Trib to Allen Pond	4	PER	B	Y	N	N/A	N	N	N/A	324	175	0	Y	100	310
3	Greene	A	PSTR-140-08	Trib. to Allen Pond	4	PER	B	Y	N	N/A	N	N	N/A	94	286	0	Y	100	309
3	Greene	A	PSTR-140-09	Trib. to Allen Pond	4	PER	B	Y	N	N/A	N	N	N/A	132	71	0	N	100	309
3	Greene	A	PSTR-141-01	Trib. to Daggett Bog	3	PER	B	Y	N	N/A	N	N	N/A	121	637	0	N	100	312
3	Greene	A	PSTR-143-01	Stetson Brook	6	PER	B	Y	N	N/A	N	N	N/A	24	1209	322	Y	100	318
3	Greene	A	PSTR-143-02	Stetson Brook	10	PER	B	Y	N	N/A	N	N	N/A	210	118	0	N	100	318
3	Greene	A	PSTR-144-01	Trib. to Stetson Brook	6	PER	B	Y	N	Y	N	N	N/A	220	194	49	Y	100	318
3	Greene	A	PSTR-144-02	Trib. to Daggett Bog	2	PER	B	Y	N	N/A	N	N	N/A	232	92	0	N	100	319
3	Lewiston	A	PSTR-145-01	Trib. to Stetson Brook	4	PER	C	Y	N	Y	N	N	N/A	8	3078	191	Y	100	321, 322, 323
3	Lewiston	A	PSTR-146-05	Trib. to Androscoggin River	1	PER	C	Y	N	N/A	N	N	N/A	156	560	0	N	100	323
3	Moscow/ Concord Twp	D	PSTR-75-01	Kennebec River	3	PER	A	Y	N	Y	Y	N	N/A	239	1882	85	N	100	165, 166
3	Concord Twp	D	PSTR-75-02	Trib. to Kennebec River	2	PER	B	Y	N	Y	N	N	N/A	222	2869	0	N	100	166
3	Concord Twp	D	PSTR-76-01	Trib. to Kennebec River	0	PER	B	Y	N	Y	N	N	N/A	215	1397	176	N	100	167
3	Concord Twp	D	PSTR-77-01	Trib. to Kennebec River	30	PER	N/A	Y	N	Y	N	N	N/A	293	827	0	N	100	171
3	Concord Twp	D	PSTR-77-02	Trib. to Kennebec River	2	PER	B	Y	N	Y	N	N	N/A	293	444	61	N	100	171
3	Embden	D	PSTR-83-01	Trib. to Alder Brook	6	PER	N/A	Y	N	Y	N	N	N/A	404	605	98	Y	100	184
3	Embden	D	PSTR-83-03	Alder Brook	35	PER	B	Y	N	Y	N	Y	Wood Turtle	81	6612	1392	Y	100	183, 184
3	Embden	D	PSTR-83-04	Alder Brook	8	PER	B	Y	N	Y	N	Y	Wood Turtle	584	5	0	N	100	184
3	Embden	D	PSTR-83-07	Trib. to Alder Brook	2	PER	B	Y	N	Y	N	Y	Wood Turtle	95	1884	208	Y	100	183
3	Embden	D	PSTR-83-08	Trib. to Alder Brook	6	PER	N/A	Y	N	Y	N	N	N/A	129	1080	796	Y	100	182, 183
3	Anson	D	PSTR-89-01	Jackin Brook	4	PER	N/A	Y	N	Y	N	N	N/A	331	540	78	N	100	196
3	Anson	D	PSTR-89-02	Trib. to Fahi Brook	5	PER	B	Y	N	N	N	N	N/A	503	228	0	N	100	196
3	Anson	D	PSTR-90-01	Trib. to Carrabassett River	6	PER	B	Y	N	Y	N	N	N/A	372	627	0	N	100	198
3	Anson	D	PSTR-90-02	Carrabassett River	400	PER	B	Y	N	Y	Y	Y	Wood Turtle	33	1558	154	N	100	199, 200
3	Anson	D	PSTR-91-01	Gilbert Brook	190	PER	B	Y	Y	N	N	N	N/A	195	1130	49	N	100	201
3	Anson	D	PSTR-92-03	Gilman Brook	20	PER	B	Y	Y	Y	N	N	N/A	373	1386	112	N	100	205
3	Anson	D	PSTR-93-01	Getchell Brook	15	PER	B	Y	Y	N	N	Y	Wood Turtle	59	1479	0	N	100	207, 208
3	Anson	D	PSTR-93-03	Trib. to Getchell Brook	2	PER	B	Y	Y	N/A	N	N	N/A	413	329	46	N	100	208
3	Starks	D	PSTR-95-05	Trib. to Kennebec River	2	PER	B	Y	Y	N/A	N	N	N/A	119	524	0	Y	100	210
3	Starks	D	PSTR-96-01	Trib. to Pelton Brook	20	PER	B	Y	Y	Y	N	N	N/A	235	1150	359	Y	100	212
3	Starks	D	PSTR-96-02	Trib. to Pelton Brook	3	PER	B	Y	Y	Y	N	N	N/A	233	45	0	N	100	212
3	Starks	D	PSTR-96-05	Pelton Brook	30	PER	B	Y	Y	Y	N	Y	Wood Turtle	313	863	57	Y	100	213
3	Starks	D	PSTR-96-06	Pelton Brook	5	PER	B	Y	Y	Y	N	Y	Wood Turtle	349	296	3	N	100	213
3	Starks	D	PSTR-97-01	Trib. to Pelton Brook	85	PER	B	Y	Y	Y	N	N	N/A	235	1240	15	N	100	214
3	Starks	D	PSTR-97-05	Trib. to Cold Pond/Hilton Brook	20	PER	N/A	Y	Y	Y	N	N	N/A	476	1130	347	N	100	216
3	Starks	D	PSTR-99-02	Trib. to Lemon Stream	6	PER	B	Y	Y	Y	N	N	N/A	65	1621	412	Y	100	219
3	Starks	D	PSTR-99-05	Lemon Stream	55	PER	B	Y	Y	Y	N	Y	Wood Turtle	96	1466	49	N	100	219, 220

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Outstanding River Segment (Y/N)[8]	RTE Species (Y/N)[9]	RTE Species Present[9]	Nearest New Structure Location (ft)	Streams within CMP Controlled Land (Linear Feet)[10]	Permanent Forested Conversion Impact to Streams (Linear Feet)[11]	Temp. Equipment Crossing[12] (Y/N)	Buffer Width (Feet)[13]	Natural Resource Map/Sheet Number
3	Starks	D	PSTR-99-06	Trib. to Lemon Stream	6	PER	B	Y	Y	Y	N	N	N/A	411	68	0	N	100	219
3	Anson	D	WB-94-01	Trib. to Getchell Brook	85	Open Water	B	Y	Y	N	N	N	N/A	299	360	0	N	100	208
4	Lewiston	A	ISTR-150-01	Trib. to No Name Brook	4	INT	B	Y	Y	N/A	N	N	N/A	199	405	0	Y	100	332
4	Lewiston	A	ISTR-150-02	Trib. to No Name Brook	3	INT	B	Y	Y	N/A	N	N	N/A	211	408	0	Y	100	333
4	Lewiston	A	ISTR-153-01	Trib. to Androscoggin River	3	INT	C	Y	Y	N/A	N	N	N/A	120	234	0	N	100	340
4	Lewiston	A	ISTR-155-01	Trib. to Androscoggin River	2	INT	C	Y	Y	N/A	N	N	N/A	147	122	0	N	100	343
4	Durham	A	ISTR-156-02	Trib. to Androscoggin River	1	INT	C	Y	Y	N/A	N	N	N/A	103	169	0	N	100	346
4	Durham	A	ISTR-157-01	Trib. to House Brook	2	INT	B	Y	Y	N/A	N	N	N/A	134	434	0	Y	100	348
4	Durham	A	ISTR-158-01	Trib. to Libby Brook	15	INT	B	N	N	N/A	N	N	N/A	154	186	0	N	75	351
4	Durham	A	ISTR-158-02	Trib. to Libby Brook	2	INT	B	N	N	N/A	N	N	N/A	134	140	0	N	75	351
4	Pownal	A	ISTR-161-02	Trib. to Runaround Brook	3	INT	B	N	N	N/A	N	N	N/A	189	259	0	Y	75	356
4	Pownal	A	ISTR-161-04	Trib. to Runaround Brook	6	INT	B	N	N	N/A	N	N	N/A	66	114	65	N	75	358A
4	Lewiston	A	PSTR-146-01	Trib. to Stetson Brook	4	PER	B	Y	N	Y	N	N	N/A	68	193	0	N	100	324
4	Lewiston	A	PSTR-146-02	Trib. to Stetson Brook	4	PER	B	Y	N	Y	N	N	N/A	126	157	0	N	100	324
4	Lewiston	A	PSTR-147-01	Trib. to No Name Brook	4	PER	C	Y	Y	N/A	N	N	N/A	120	643	0	Y	100	326, 327
4	Lewiston	A	PSTR-147-02	Stetson Brook	50	PER	B	Y	N	Y	N	N	N/A	107	1044	0	N	100	325
4	Lewiston	A	PSTR-148-01	Trib. to No Name Pond	4	PER	B	Y	Y	N/A	N	N	N/A	164	464	0	Y	100	329
4	Lewiston	A	PSTR-148-02	Trib. to No Name Pond	4	PER	B	Y	Y	N/A	N	N	N/A	230	491	0	Y	100	329
4	Lewiston	A	PSTR-149-01	No Name Brook	50	PER	B	Y	Y	N/A	N	N	N/A	82	1119	0	N	100	330
4	Lewiston	A	PSTR-151-01	No Name Brook	25	PER	B	Y	Y	N/A	N	Y	Wood Turtle	83	928	0	N	100	334, 335
4	Lewiston	A	PSTR-152-01	Trib. to No Name Brook	3	PER	B	Y	Y	N/A	N	N	N/A	165	500	0	N	100	337
4	Auburn	A	PSTR-155-02	House Brook	8	PER	B	Y	Y	N/A	N	N	N/A	160	502	0	N	100	345
4	Auburn/ Lewiston	A	PSTR-155-03	Androscoggin River	645	PER	C	Y	Y	N/A	N	N	N/A	104	852	0	N	100	344
4	Auburn	A	PSTR-156-01	Trib. to Androscoggin River	2	PER	C	Y	Y	N/A	N	N	N/A	254	141	0	N	100	345
4	Auburn	A	PSTR-156-03	Trib. to Androscoggin River	1	PER	C	Y	Y	N/A	N	N	N/A	114	205	0	N	100	346
4	Auburn	A	PSTR-156-04	Trib. to Androscoggin River	2	PER	C	Y	Y	N/A	N	N	N/A	264	74	0	Y	100	345
4	Auburn	A	PSTR-156-05	Trib. to Androscoggin River	2	PER	C	Y	Y	N/A	N	N	N/A	142	57	0	N	100	346
4	Auburn	A	PSTR-156-06	Trib. to Androscoggin River	2	PER	C	Y	Y	N/A	N	N	N/A	266	238	0	N	100	345
4	Auburn	A	PSTR-156-07	Trib. to Androscoggin River	2	PER	C	Y	Y	N/A	N	N	N/A	213	136	0	N	100	346
4	Durham	A	PSTR-157-02	House Brook	2	PER	B	Y	Y	N/A	N	N	N/A	110	531	0	Y	100	348
4	Durham	A	PSTR-158-03	Libby Brook	15	PER	B	N	N	N/A	N	N	N/A	18	4848	0	Y	75	351, 352
4	Durham	A	PSTR-160-01	Runaround Brook	9	PER	B	N	N	N/A	N	N	N/A	189	530	0	Y	75	355
4	Durham	A	PSTR-160-03	Trib. to Runaround Brook	12	PER	B	N	N	N/A	N	N	N/A	85	1447	0	N	75	355
4	Pownal	A	PSTR-161-01	Runaround Brook	5	PER	B	N	N	N/A	N	N	N/A	31	2837	0	Y	75	358, 358A
4	Pownal	A	PSTR-161-03	Runaround Brook	5	PER	B	N	N	N/A	N	N	N/A	472	1169	0	N	75	358
5	Windsor	B	ISTR-162-03	Trib. to West Branch Sheepscot River	2	INT	B	Y	Y	N/A	N	N	N/A	247	262	0	N	100	417
5	Windsor	B	ISTR-162-04	Trib. to West Branch Sheepscot River	2	INT	B	Y	Y	N/A	N	N	N/A	86	91	0	N	100	417
5	Windsor	B	ISTR-162-05	Trib. to West Branch Sheepscot River	2	INT	B	Y	Y	N/A	N	N	N/A	134	112	0	N	100	417
5	Windsor	B	ISTR-162-07	Trib. to West Branch Sheepscot River	8	INT	B	Y	Y	N/A	N	N	N/A	84	1159	0	N	100	417
5	Windsor	B	ISTR-162-14	Trib. to West Branch Sheepscot River	8	INT	B	Y	Y	N/A	N	Y	Brook Floater	53	761	0	N	100	416

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Outstanding River Segment (Y/N)[8]	RTE Species (Y/N)[9]	RTE Species Present[9]	Nearest New Structure Location (ft)	Streams within CMP Controlled Land (Linear Feet)[10]	Permanent Forested Conversion Impact to Streams (Linear Feet)[11]	Temp. Equipment Crossing[12] (Y/N)	Buffer Width (Feet)[13]	Natural Resource Map/Sheet Number
5	Whitefield	B	ISTR-166-01	Trib. To Finn Brook	2	INT	N/A	Y	Y	N/A	N	N	N/A	71	460	0	N	100	408
5	Whitefield	B	ISTR-169-02	Trib. to East Branch Eastern River	2	INT	B	Y	Y	N/A	N	N	N/A	292	58	0	N	100	402
5	Whitefield	B	ISTR-169-03	Trib. to East Branch Eastern River	2	INT	N/A	Y	Y	N/A	N	N	N/A	168	357	0	Y	100	402
5	Whitefield	B	ISTR-169-04	Trib. to East Branch Eastern River	1	INT	N/A	Y	Y	N/A	N	N	N/A	48	312	0	N	100	402
5	Whitefield	B	ISTR-170-02	Trib. to East Branch Eastern River	2	INT	N/A	Y	Y	N/A	N	N	N/A	42	60	0	N	100	400
5	Whitefield	B	ISTR-173-01	Trib. to Sheepscot River	3	INT	N/A	Y	Y	N/A	N	N	N/A	250	392	0	Y	100	392
5	Whitefield	B	ISTR-174-02	Trib. to Sheepscot River	3	INT	B	Y	Y	Y	N	N	N/A	147	366	0	Y	100	391
5	Whitefield	B	ISTR-174-04	Trib. to Sheepscot River	1	INT	B	Y	Y	Y	N	N	N/A	272	70	0	N	100	389
5	Whitefield	B	ISTR-175-01	Trib. to Sheepscot River	1	INT	N/A	Y	Y	N/A	N	N	N/A	124	327	0	Y	100	388
5	Alna	B	ISTR-180-01	Trib. to Trout Brook	1	INT	B	Y	Y	N/A	N	N	N/A	40	500	0	N	100	377
5	Wiscasset	B	ISTR-181-01	Trib. to Ward Brook	3	INT	N/A	Y	Y	N/A	N	N	N/A	26	413	0	Y	100	374
5	Wiscasset	B	ISTR-181-02	Ward Brook	2	INT	B	Y	Y	N/A	N	N	N/A	42	571	0	Y	100	374, 375
5	Wiscasset	B	ISTR-182-01	Trib. Ward Brook	4	INT	N/A	Y	Y	N/A	N	N	N/A	247	125	0	N	100	373
5	Wiscasset	B	ISTR-183-03	Trib. to Montsweag Brook	2	INT	B	Y	Y	N/A	N	Y	Wood Turtle	92	431	0	N	100	370
5	Wiscasset	B	ISTR-184-01	Trib. to Montsweag Brook	2	INT	B	Y	Y	N/A	N	N	N/A	140	218	0	N	100	369
5	Woolwich	B	ISTR-184-02	Trib. to Montsweag Brook	2	INT	N/A	Y	Y	N/A	N	N	N/A	318	199	99	N	100	367
5	Woolwich	B	ISTR-184-03	Trib. To Montsweag Brook	150	INT	B	Y	Y	N/A	N	N	N/A	113	97	87	N	100	367, 368
5	Woolwich	B	ISTR-184-04	Trib. to Montsweag Brook	2	INT	B	Y	Y	N/A	N	N	N/A	23	278	130	Y	100	367, 368
5	Wiscasset	B	ISTR-184-09	Montsweag Brook	30	INT	B	Y	Y	N/A	N	N	N/A	45	1489	320	N	100	368, 369
5	Wiscasset	B	ISTR-184-10	Montsweag Brook	2	INT	B	Y	Y	N/A	N	N	N/A	66	327	314	N	100	368
5	Woolwich	B	ISTR-185-02	Trib. to Montsweag Brook	2	INT	B	Y	Y	N/A	N	N	N/A	130	115	111	N	100	366
5	Woolwich	B	ISTR-185-03	Trib. to Montsweag Brook	1	INT	B	Y	Y	N/A	N	N	N/A	83	57	21	N	100	366
5	Woolwich	B	ISTR-185-04	Trib. to Montsweag Brook	1	INT	B	Y	Y	N/A	N	N	N/A	57	132	93	N	100	366
5	Woolwich	B	ISTR-185-05	Trib. to Montsweag Brook	1	INT	B	Y	Y	N/A	N	N	N/A	69	134	15	Y	100	366
5	Woolwich	B	ISTR-185-06	Trib. to Montsweag Brook	3	INT	B	Y	Y	N/A	N	N	N/A	204	107	0	N	100	N/A
5	Wiscasset	B	ISTR-186-01	Trib. to Chewonki Creek	4	INT	B	Y	Y	N/A	N	N	N/A	4560	596	0	N	100	363
5	Wiscasset	B	ISTR-186-02	Trib. to Chewonki Creek	1	INT	B	Y	Y	N/A	N	N	N/A	3279	123	0	N	100	364
5	Wiscasset	B	ISTR-186-03	Trib. to Chewonki Creek	2	INT	B	Y	Y	N/A	N	N	N/A	2585	781	0	N	100	364
5	Wiscasset	B	ISTR-186-04	Trib. to Chewonki Creek	2	INT	B	Y	Y	N/A	N	N	N/A	2763	335	0	N	100	364
5	Wiscasset	B	ISTR-186-05	Trib. to Montsweag Brook	2	INT	B	Y	Y	N/A	N	N	N/A	1332	158	0	N	100	364, 365
5	Wiscasset/Woolwich	B	ISTR-186-06	Trib. to Montsweag Brook	2	INT	B	Y	Y	N/A	N	Y	Wood Turtle	283	193	0	N	100	365
5	Wiscasset	B	ISTR-186-07	Trib. to Montsweag Brook	3	INT	B	Y	Y	N/A	N	N	N/A	1145	183	0	N	100	365
5	Wiscasset	B	ISTR-187-01	Trib. to Chewonki Creek	2	INT	B	Y	Y	N/A	N	N	N/A	5206	162	0	N	100	363
5	Wiscasset	B	ISTR-187-02	Trib. to Chewonki Creek	2	INT	B	Y	Y	N/A	N	N	N/A	5215	163	0	N	100	363
5	Wiscasset	B	ISTR-187-03	Trib. to Chewonki Creek	2	INT	B	Y	Y	N/A	N	N	N/A	5255	68	0	N	100	363
5	Wiscasset	B	ISTR-187-04	Trib. to Chewonki Creek	5	INT	B	Y	Y	N/A	N	N	N/A	5067	81	0	N	100	363
5	Wiscasset	B	ISTR-187-05	Trib. to Chewonki Creek	1	INT	B	Y	Y	N/A	N	N	N/A	5676	351	0	N	100	362, 363
5	Wiscasset	B	ISTR-187-06	Trib. to Chewonki Creek	2	INT	B	Y	Y	N/A	N	N	N/A	7230	102	0	N	100	362
5	Wiscasset	B	ISTR-187-07	Trib. to Chewonki Creek	1	INT	B	Y	Y	N/A	N	N	N/A	6071	496	0	N	100	362
5	Wiscasset	B	ISTR-187-08	Trib. to Chewonki Creek	2	INT	B	Y	Y	N/A	N	N	N/A	6585	79	0	N	100	362
5	Wiscasset	B	ISTR-187-09	Trib. to Chewonki Creek	2	INT	B	Y	Y	N/A	N	N	N/A	6697	40	0	N	100	362

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Outstanding River Segment (Y/N)[8]	RTE Species (Y/N)[9]	RTE Species Present[9]	Nearest New Structure Location (ft)	Streams within CMP Controlled Land (Linear Feet)[10]	Permanent Forested Conversion Impact to Streams (Linear Feet)[11]	Temp. Equipment Crossing[12] (Y/N)	Buffer Width (Feet)[13]	Natural Resource Map/Sheet Number
5	Wiscasset	B	ISTR-187-10	Trib. to Chewonki Creek	2	INT	B	Y	Y	N/A	N	N	N/A	6575	154	0	N	100	362
5	Wiscasset	B	ISTR-187-11	Trib. to Chewonki Creek	2	INT	B	Y	Y	N/A	N	N	N/A	6454	474	0	Y	100	362
5	Wiscasset	B	ISTR-187-12	Trib. to Chewonki Creek	2	INT	B	Y	Y	N/A	N	N	N/A	6364	185	0	N	100	362
5	Wiscasset	B	ISTR-187-13	Trib. to Chewonki Creek	2	INT	B	Y	Y	N/A	N	N	N/A	6601	170	0	N	100	362
5	Wiscasset	B	ISTR-187-14	Trib. to Chewonki Creek	2	INT	B	Y	Y	N/A	N	N	N/A	6875	184	0	N	100	362
5	Wiscasset	B	ISTR-187-15	Trib. to Back River/ Monstsweag Bay	1	INT	B	Y	Y	N/A	N	N	N/A	9418	341	0	N	100	361
5	Wiscasset	B	ISTR-187-16	Trib. to Back River/ Monstsweag Bay	1	INT	B	Y	Y	N/A	N	N	N/A	9274	168	0	N	100	361
5	Wiscasset	B	ISTR-187-17	Trib. to Back River/ Monstsweag Bay	1	INT	B	Y	Y	N/A	N	N	N/A	9292	35	0	N	100	361
5	Wiscasset	B	ISTR-187-18	Trib. to Back River/ Monstsweag Bay	1	INT	B	Y	Y	N/A	N	N	N/A	9271	8	0	N	100	361
5	Wiscasset	B	ISTR-187-20	Trib. to Chewonki Creek	2	INT	B	Y	Y	N/A	N	N	N/A	8412	23	0	N	100	361
5	Wiscasset	B	ISTR-187-21	Trib. to Chewonki Creek	2	INT	B	Y	Y	N/A	N	N	N/A	8399	228	0	N	100	361
5	Wiscasset	B	ISTR-187-22	Trib. to Chewonki Creek	1	INT	B	Y	Y	N/A	N	N	N/A	6527	340	0	N	100	362
5	Wiscasset	B	ISTR-187-23	Trib. to Back River/ Monstsweag Bay	2	INT	B	Y	Y	N/A	N	N	N/A	9725	511	0	N	100	361
5	Wiscasset	B	ISTR-188-01	Trib. to Back River/ Monstweag Bay	3	INT	B	Y	Y	N/A	N	N	N/A	14503	219	20	N	100	359
5	Wiscasset	B	ISTR-188-02	Trib. to Back River/ Monstsweag Bay	2	INT	B	Y	Y	N/A	N	N	N/A	13559	30	0	N	100	359
5	Wiscasset	B	ISTR-188-03	Trib. to Back River/ Monstsweag Bay	2	INT	B	Y	Y	N/A	N	N	N/A	12507	45	0	N	100	359, 360
5	Wiscasset	B	ISTR-188-05	Trib. to Back River/ Monstsweag Bay	1	INT	B	Y	Y	N/A	N	N	N/A	10626	106	0	N	100	360
5	Wiscasset	B	ISTR-188-06	Trib. to Back River/ Monstsweag Bay	1	INT	B	Y	Y	N/A	N	N	N/A	10637	24	0	N	100	360
5	Wiscasset	B	ISTR-188-07	Trib. to Back River/ Monstsweag Bay	2	INT	B	Y	Y	N/A	N	N	N/A	13617	81	0	N	100	359
5	Windsor	B	PSTR-162-01	Trib. to West Branch Sheepscot River	8	PER	B	Y	Y	Y	N	N	N/A	265	1660	0	N	100	417
5	Windsor	B	PSTR-162-02	Trib. to West Branch Sheepscot River	2	PER	B	Y	Y	Y	N	N	N/A	119	148	0	N	100	417
5	Windsor	B	PSTR-162-09	Trib. to West Branch Sheepscot River	3	PER	B	Y	Y	Y	N	Y	Brook Floater	74	3120	0	N	100	416, 417
5	Windsor	B	PSTR-162-12	Trib. to West Branch Sheepscot River	40	PER	B	Y	Y	Y	N	Y	Brook Floater	181	770	0	N	100	416
5	Windsor	B	PSTR-162-13	Trib. to West Branch Sheepscot River	2	PER	B	Y	Y	Y	N	N	N/A	778	599	0	N	100	417
5	Windsor	B	PSTR-163-01	Trib. to West Branch Sheepscot River	40	PER	AA	Y	Y	Y	N	Y	Brook Floater	96	113	0	N	100	415
5	Windsor	B	PSTR-163-02	West Branch Sheepscot River	40	PER	AA	Y	Y	Y	Y	Y	Brook Floater	51	4893	34	N	100	414, 415, 416
5	Whitefield	B	PSTR-166-02	Finn Brook	5	PER	A	Y	Y	Y	N	N	N/A	294	308	0	N	100	408
5	Whitefield	B	PSTR-168-01	East Branch Eastern River	11	PER	B	Y	Y	N/A	N	N	N/A	189	350	0	N	100	403
5	Whitefield	B	PSTR-168-02	East Branch Eastern River	3	PER	B	Y	Y	N/A	N	N	N/A	58	713	0	Y	100	403
5	Whitefield	B	PSTR-169-01	East Branch Eastern River	5	PER	B	Y	Y	N/A	N	N	N/A	134	572	0	Y	100	402
5	Whitefield	B	PSTR-170-01	East Branch Eastern River	9	PER	B	Y	Y	N/A	N	N	N/A	172	434	0	Y	100	399, 400
5	Whitefield	B	PSTR-171-01	Trib. to Sheespcot River	40	PER	B	Y	Y	Y	N	N	N/A	302	388	0	Y	100	397
5	Whitefield	B	PSTR-172-01	Trib. to Sheepscot River	6	PER	B	Y	Y	Y	N	N	N/A	93	667	0	N	100	394
5	Whitefield	B	PSTR-172-02	Trib. to Sheespcot River	20	PER	B	Y	Y	Y	N	N	N/A	80	1818	0	N	100	395
5	Whitefield	B	PSTR-172-03	Trib. to Sheepscot River	2	PER	N/A	Y	Y	N/A	N	N	N/A	302	80	0	N	100	396
5	Whitefield	B	PSTR-174-01	Trib. to Sheepscot River	6	PER	B	Y	Y	Y	N	N	N/A	186	351	0	Y	100	391
5	Whitefield	B	PSTR-174-03	Trib. to Sheepscot River	7	PER	B	Y	Y	Y	N	N	N/A	219	306	0	Y	100	389
5	Whitefield	B	PSTR-175-02	Trib. to Sheepscot River	3	PER	B	Y	Y	Y	N	N	N/A	164	378	0	Y	100	388
5	Alna	B	PSTR-176-01	Trib. to Sheepscot River	5	PER	B	Y	Y	Y	N	Y	Wood Turtle	196	395	0	Y	100	387
5	Alna	B	PSTR-177-01	Trib. to Trout Brook	25	PER	B	Y	Y	Y	N	N	N/A	18	573	0	N	100	383

Exhibit 7-7: NECEC Waterbody Crossing Table

Segment	Town	MDIFW Region	Feature ID	Stream Name[1]	Ave. Stream Width[2] (ft)	Stream Type[3] (PER/INT)	State Water Quality Classification[4]	Atlantic Salmon GOM DPS Critical Habitat[5] (Y/N)	Atlantic Salmon Habitat[6] (Y/N)	Brook Trout Habitat[7] (Y/N)	Outstanding River Segment (Y/N)[8]	RTE Species (Y/N)[9]	RTE Species Present[9]	Nearest New Structure Location (ft)	Streams within CMP Controlled Land (Linear Feet)[10]	Permanent Forested Conversion Impact to Streams (Linear Feet)[11]	Temp. Equipment Crossing[12] (Y/N)	Buffer Width (Feet)[13]	Natural Resource Map/Sheet Number
5	Alna	B	PSTR-178-01	Trout Brook	8	PER	A	Y	Y	Y	N	N	N/A	77	412	0	N	100	381, 382
5	Alna	B	PSTR-178-02	Trout Brook	15	PER	A	Y	Y	Y	N	N	N/A	43	2337	0	N	100	381, 382
5	Alna	B	PSTR-179-02	Trib. to Trout Brook	6	PER	B	Y	Y	N/A	N	N	N/A	95	1220	0	Y	100	379, 380
5	Alna	B	PSTR-179-03	Trib. to Trout Brook	6	PER	B	Y	Y	Y	N	N	N/A	131	369	0	N	100	379
5	Wiscasset	B	PSTR-183-02	Trib. to Montsweag Brook	0	PER	B	Y	Y	N/A	N	N	N/A	39	1148	0	Y	100	370
5	Wiscasset	B	PSTR-184-08	Montsweag Brook	25	PER	B	Y	Y	N/A	N	N	N/A	182	160	0	N	100	369
5	Woolwich	B	PSTR-185-01	Trib. to Montsweag Brook	10	PER	B	Y	Y	N/A	N	Y	Wood Turtle	74	1108	0	N	100	365
5	Wiscasset/Woolwich	B	PSTR-186-08	Montsweag Brook	18	PER	B	Y	Y	N/A	N	Y	Wood Turtle	238	1182	0	Y	100	365
5	Wiscasset	B	PSTR-187-19	Trib. to Chewonki Creek	2	PER	B	Y	Y	N/A	N	N	N/A	8373	146	0	N	100	361
5	Wiscasset	B	PSTR-187-24	Trib. to Chewonki Creek	2	PER	B	Y	Y	N/A	N	N	N/A	7917	787	0	N	100	361, 362
5	Wiscasset	B	PSTR-188-04	Trib. to Back River/ Monstsweag Bay	1	PER	B	Y	Y	N/A	N	N	N/A	11480	456	0	N	100	360

Culmulative Impacts to Streams		
	Linear Feet	**Miles**
Streams Within CMP Controlled Land	294,788	55.83
Permanent Forested Conversion Impact to Streams	37,415	7.09

Exhibit 8-1: Addendum 6 to SEARCH's Archaeological Resources Identification Survey Report

NEW ENGLAND CLEAN ENERGY CONNECT PROJECT
ADDENDUM 6

CONTINUING PROJECT MHPC #1148-17

PREPARED FOR

CENTRAL MAINE POWER

83 EDISON DRIVE
AUGUSTA, MAINE 04336

PREPARED BY

SEARCH

55 MELVILLE AVENUE
BOSTON, MASSACHUSETTS 02124

NOVEMBER 2020

NEW ENGLAND CLEAN ENERGY CONNECT PROJECT
ADDENDUM 6

MHPC REVIEW NUMBER: 1148-17/1285-19
SEARCH PROJECT NUMBER: E19041

PREPARED FOR:

CENTRAL MAINE POWER
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NOVEMBER 2020

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MANAGEMENT SUMMARY

SEARCH, Inc (SEARCH) conducted desktop reviews and field survey for archaeological resources on route revisions reflecting the issued for construction (IFC) route for the New England Clean Energy Connect (NECEC) Project (Project). NECEC was proposed by Central Maine Power Company (CMP) in response to the *Request for Proposals for Long-Term Contracts for Clean Energy Projects* dated March 31, 2017, issued by the Massachusetts Department of Energy Resources and the Electric Distribution Companies of Massachusetts.

The Project is approximately 322 kilometers (km; 200 miles [mi]) long, and crosses seven counties, 24 municipalities, and 15 unorganized areas within the state of Maine. A combination of new and rebuilt transmission lines would extend from the Canadian border to the Surowiec Substation in Pownal, crossing Franklin, Somerset, Androscoggin, and Cumberland Counties in Western and Central Maine. The Canadian border to Surowiec Substation section comprises the majority of the Project. A second proposed transmission line would extend from the Coopers Mills Substation in Windsor to the Maine Yankee Substation in Wiscasset, crossing Kennebec, Lincoln, and Sagadahoc Counties in Coastal Maine.

NECEC is subject to review for impacts to cultural resources of historic significance (Chapter 375, § 11[C]) under Maine's Site Location of Development Act and Natural Resources Protection Act and to historic properties under Section 106 of the National Historic Preservation Act (NHPA). The area of potential effects (APE) for direct Project impacts was established through consultation with the Maine Historic Preservation Commission (MHPC) in compliance with state permitting and was subsequently adopted by the U.S. Army Corps of Engineers (USACE) for consultation under Section 106 of the NHPA. This consultation resulted in the establishment of a direct APE composed of the entire right-of-way (ROW) width or facility footprint where ground-disturbing activities could take place.

Previous archaeological identification survey reports and agency consultation were based on the issued for permit (IFP) design developed in 2017 (Clement et al. 2018a, 2018b; Clement 2019; Mack 2019). Seventeen archaeologically sensitive areas (SAs) not previously reported were adopted as part of the IFC design. The 17 SAs cover 19.9 hectares (ha; 49.2 acres [ac]) within the direct area of potential effect (APE) of the IFC design. The surveyors found three SAs sensitive for archaeological resources that were subjected to subsurface testing. The field crew excavated 31 shovel tests (STs), nine auger tests (ATs), and two test units (TU). In addition, deep testing was conducted adjacent to the Androscoggin River.

No archaeological resources were identified within the direct APE at these 17 SAs and no further archaeological work is recommended.

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ACRONYMS AND ABBREVIATIONS

APE	area of potential effects
AT	auger test
bs	below surface
CMP	Central Maine Power
IFC	issued for construction
IFP	issued for permit
MHPC	Maine Historic Preservation Commission
NA	not applicable
NECEC	New England Clean Energy Connect
NHPA	National Historic Preservation Act
NRHP	National Register of Historic Places
Project	NECEC Project
ROW	right-of-way
Rt.	Route
SA	sensitive area
SEARCH	SEARCH, Inc.
ST	shovel test
TU	test unit
USACE	U.S. Army Corps of Engineers
USDA	US Department of Agriculture
USGS	US Geological Survey

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1 INTRODUCTION

SEARCH, Inc (SEARCH) conducted desktop reviews and field survey for archaeological resources on route revisions reflecting the issued for construction (IFC) route for the New England Clean Energy Connect (NECEC) Project (Project). NECEC was proposed by the Central Maine Power (CMP) company in response to the *Request for Proposals for Long-Term Contracts for Clean Energy Projects* dated March 31, 2017, issued by the Massachusetts Department of Energy Resources and the Electric Distribution Companies of Massachusetts.

The Project is approximately 322 kilometers (km; 200 miles [mi]) long, and crosses seven counties, 24 municipalities, and 15 unorganized areas within the state of Maine (Figure 1-1). A combination of new and rebuilt transmission lines would extend from the Canadian border to the Surowiec Substation in Pownal, crossing Franklin, Somerset, Androscoggin, and Cumberland Counties in Western and Central Maine. The Canadian border to Surowiec Substation section comprises the majority of the Project. A second proposed transmission line would extend from the Coopers Mills Substation in Windsor to the Maine Yankee Substation in Wiscasset, crossing Kennebec, Lincoln, and Sagadahoc Counties in Coastal Maine.

NECEC is subject to review for impacts to archaeological resources of historic significance (Chapter 375, § 11[C]) under Maine's Site Location of Development Act and Natural Resources Protection Act and to historic properties under Section 106 of the National Historic Preservation Act (NHPA). The area of potential effects (APE) for direct Project impacts was established through consultation with the Maine Historic Preservation Commission (MHPC) in compliance with state permitting and was subsequently adopted by the U.S. Army Corps of Engineers (USACE) for consultation under Section 106 of the NHPA. This consultation resulted in the establishment of a direct APE composed of the entire right-of-way (ROW) width or facility footprint where ground-disturbing activities could take place.

1.1 REPORT BACKGROUND

This report presents the results of archaeological identification survey of the direct APE associated with the IFC design. Previous identification survey reports and agency consultation (**Table 1-1**) was based on the issued for permit (IFP) design developed in 2017. The Merrill Strip Alternative was surveyed in advance of the IFC design to avoid Project impacts to the Passamaquoddy Tribe's Beattie Pond Recreation Protection Subdistrict. MHPC has commented on identification and evaluation recommendations submitted to date for the project (**Table 1-1**). The USACE reviewed these reports, MHPC's comments, and issued determination of eligibility and finding of effects for identified resources in a letter dated March 11, 2020 (**Table 1-1**).

Desktop review of the IFC design identified 17 archaeologically sensitive areas (SAs) within unsurveyed areas of the direct APE. These SAs were subjected to archaeological survey. The survey results are reported herein (**Figure 1-2**).

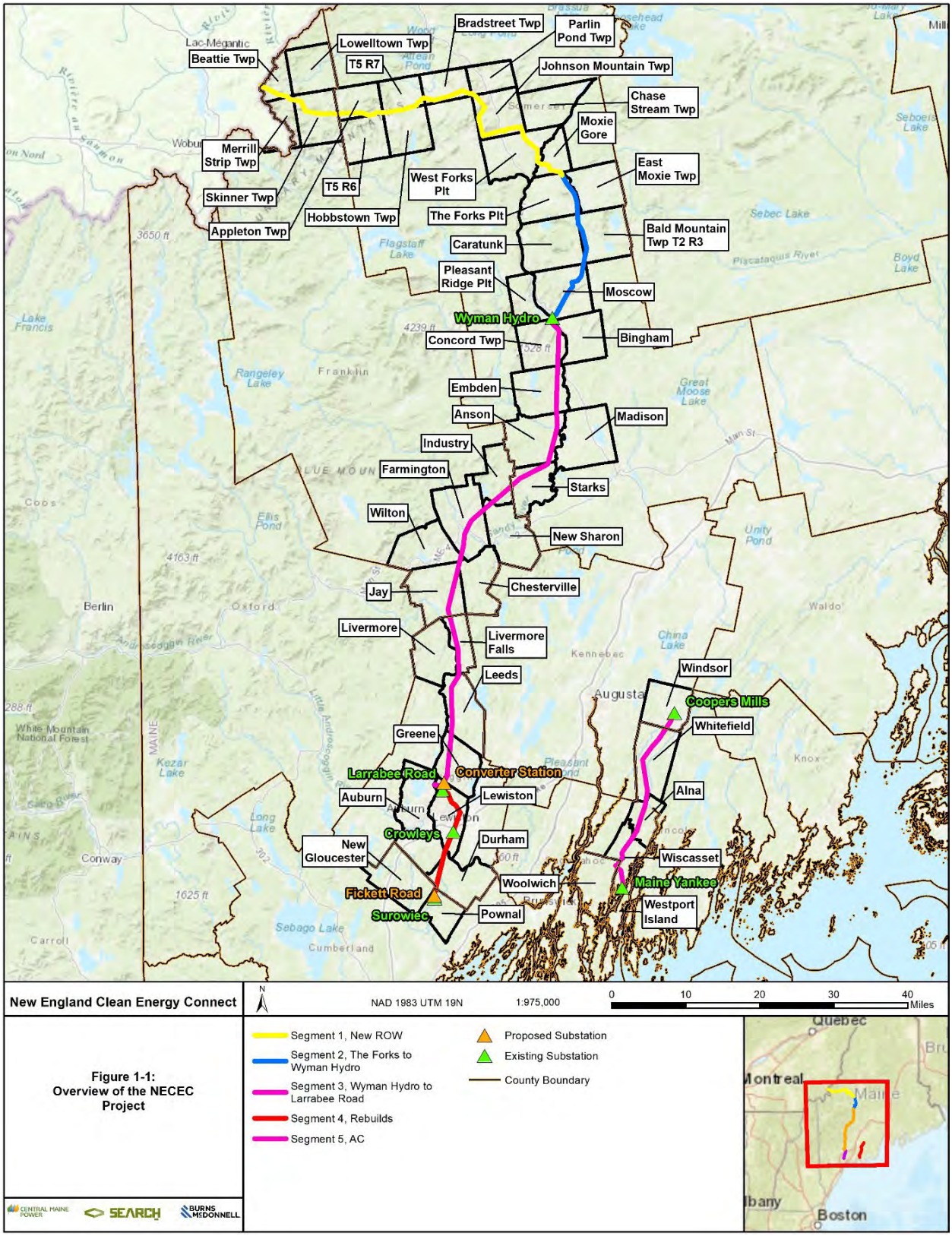

Figure 1-1: Overview of the NECEC Project

Table 1-1. NECEC Archaeological and Above Ground Resource Consultation Summary.

Citation	Summary	MHPC Concurrence	USACE Determinations and Findings
Freedman et al. 2017	Desktop assessment and scope-of-work for archaeological and above ground reconnaissance surveys.	9/11/17	3/11/20
Clement et al. 2018a	Archaeological reconnaissance survey results and scope-of-work for Phase I subsurface investigations. Submitted in four addenda.	6/22/2018; 8/8/2018; 8/9/2018; 8/9/2018	
Dunham et al. 2018a	Above ground identification survey results with NRHP evaluation and finding of effects recommendations.	1/18/19	
Dunham et al. 2018b	Addendum: Above ground identification survey results with NRHP evaluation and finding of effects recommendations.	1/18/19	
Clement et al. 2018b	Phase I survey results, avoidance plans, and treatment plans for archaeological sites.	2/11/19	
Freedman 2019	Letter in response to request for additional information on above ground resources from MHPC.	3/26/19	
Clement 2019	Archaeological and above ground identification survey results for the Merrill Road Converter Station.	6/12/19	
Mack 2019	Archaeological and above ground identification survey results for the Merrill Strip Alternative direct APE.	9/26/19	
Mohney 2020	MHPC letter concurring with USACE determinations of eligibility and finding of effects for the Project.	3/26/20	

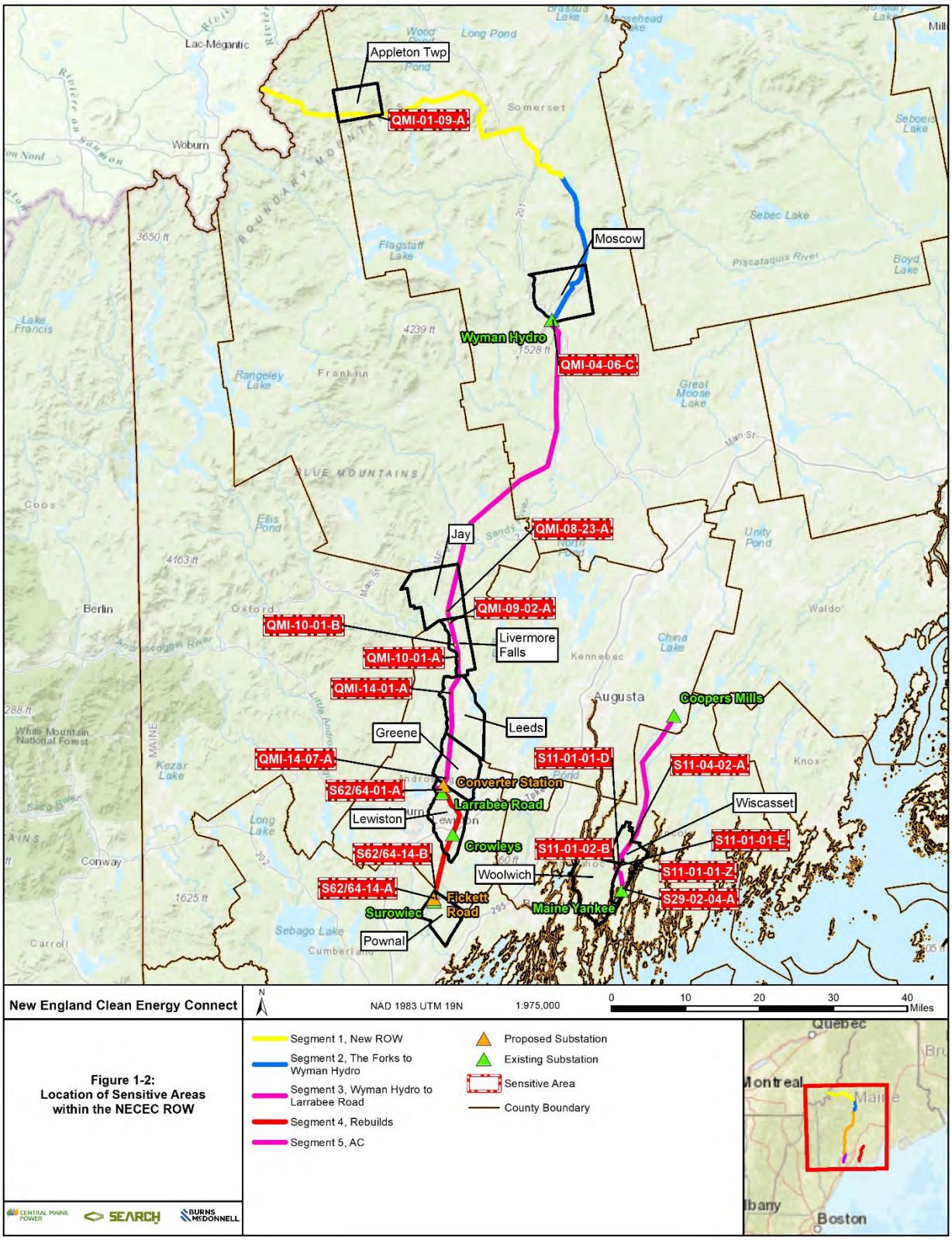

Figure 1-2: Location of Sensitive Areas within the NECEC ROW

The archaeological survey, National Register of Historic Places (NRHP) assessments, and effects recommendations followed the methods described in Freedman et al. 2017 and Clement et al. 2018a. Background research and the environmental and cultural contexts, relative to the current investigations, are presented in Freedman et al. 2017 and not reiterated herein.

1.2 SUMMARY OF FINDINGS

Previous archaeological identification survey reports and agency consultation were based on the IFP design developed in 2017 (Clement et al. 2018a, 2018b; Clement 2019; Mack 2019). Seventeen archaeologically sensitive areas (SAs) not previously reported were adopted as part of the IFC design. The 17 SAs cover 19.9 hectares (ha; 49.2 acres [ac]) within the direct area of potential effect (APE) of the IFC design. The surveyors found three SAs sensitive for archaeological resources that were subjected to subsurface testing. The field crew excavated 31 shovel tests (STs), nine auger tests (ATs), and two test units (TU). In addition, deep testing was conducted adjacent to the Androscoggin River.

No archaeological resources were identified within the direct APE at these 17 SAs and no further archaeological work is recommended.

1.3 REPORT ORGANIZATION

Following this introduction, **Section 2** presents the results of the archaeological field survey by county from north to south. The report concludes with a summary of the results in **Section 3** and references are cited in **Section 4**.

This report has three appendices. **Appendix A** presents a summary for each SA reported herein. The summary table provides information about the SA, its characteristics, the results of the archaeological testing, and recommendations. Additionally, the summary includes an overview photograph and maps illustrating the survey results. **Appendix B** presents an excavation log for the survey. **Appendix C** provides Project correspondence including comment letters from MHPC and USACE.

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2 SURVEY RESULTS

SEARCH field crews surveyed 17 SAs not previously reported that have been adopted as part of the IFC design. These SAs cover an area of 40.6 ha (100.2 ac). Fieldwork was conducted in Somerset, Franklin, Androscoggin, Cumberland, Lincoln, and Sagadahoc Counties, Maine. The results are presented below by county. Field crews excavated 31 STs, nine ATs, and two TUs . No new archaeological resources were identified in the direct APE.

2.1 SURVEY RESULTS BY COUNTY

2.1.1 Somerset County

Desktop review of the IFC design identified two SAs (QMI-01-09-A and QMI-04-06-C; **Appendix A**) in Somerset County (**Table 2-1**; Figure 2-1 and **Figure 2-2**). No archaeological resources are within or adjacent to these areas. No subsurface testing was conducted during the field survey and no further archaeological work is recommended.

Table 2-1. Somerset County archaeologically sensitive areas.

SA	Segment	Town	USGS Quadrangle	Hectares	Acres
QMI-01-09-A	Segment 1, new ROW	Appleton Township	Tumbledown Mountain	4.4	10.8
QMI-04-06-C	Segment 3, Wyman Hydro to Larrabee Road	Moscow	Bingham	2.1	5.1

2.1.2 Franklin County

Desktop review of the IFC design identified one SA (QMI-08-23-A; **Appendix A**) in Franklin County (**Table 2-2**; **Figure 2-3**). No archaeological resources are within or adjacent to this area. No subsurface testing was conducted during the field survey and no further archaeological work is recommended.

Table 2-2. Franklin County archaeologically sensitive area.

SA	Segment	Town	USGS Quadrangle	Hectares	Acres
QMI-08-23-A	Segment 3, Wyman Hydro to Larrabee Road	Jay	Livermore Falls	0.3	0.9

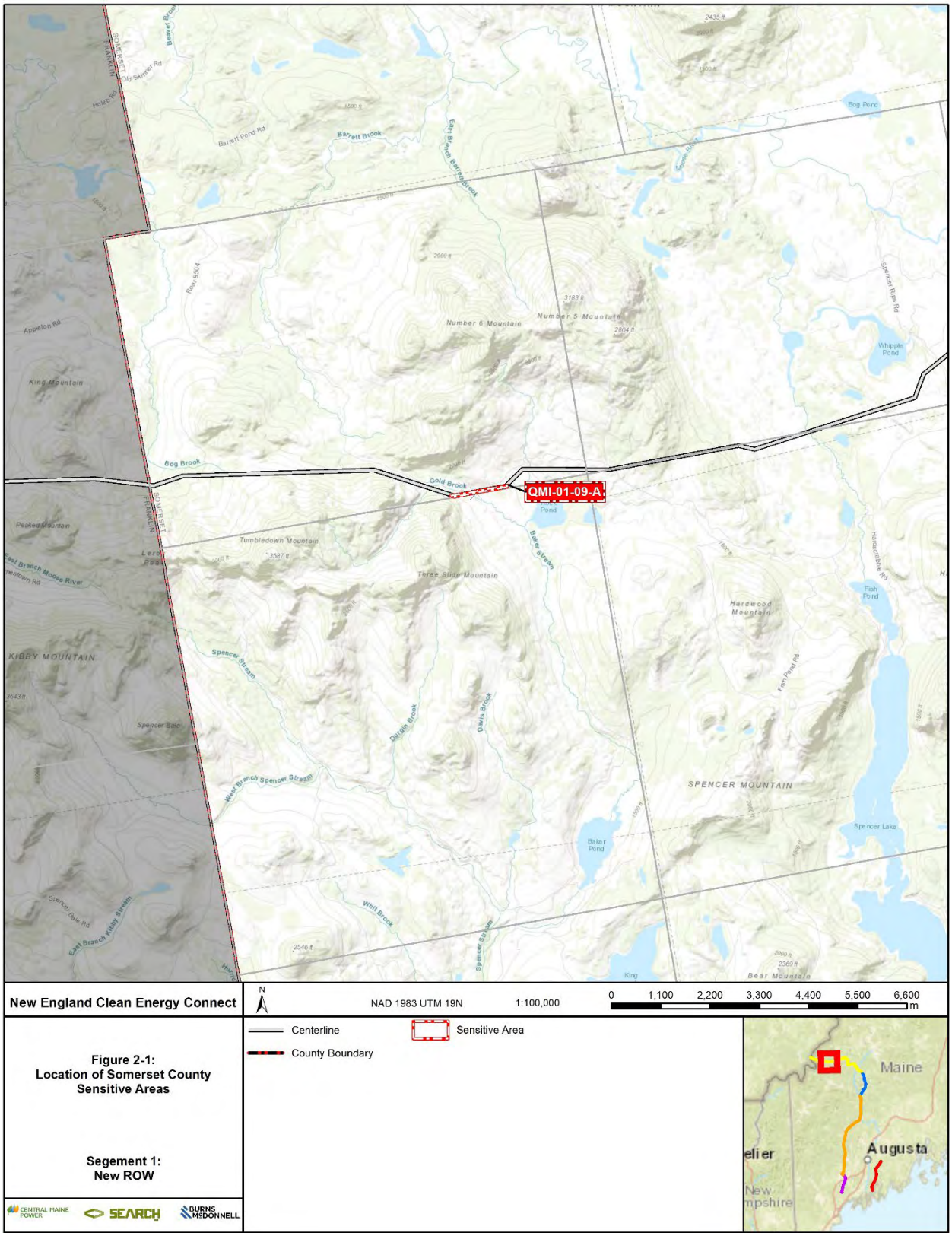
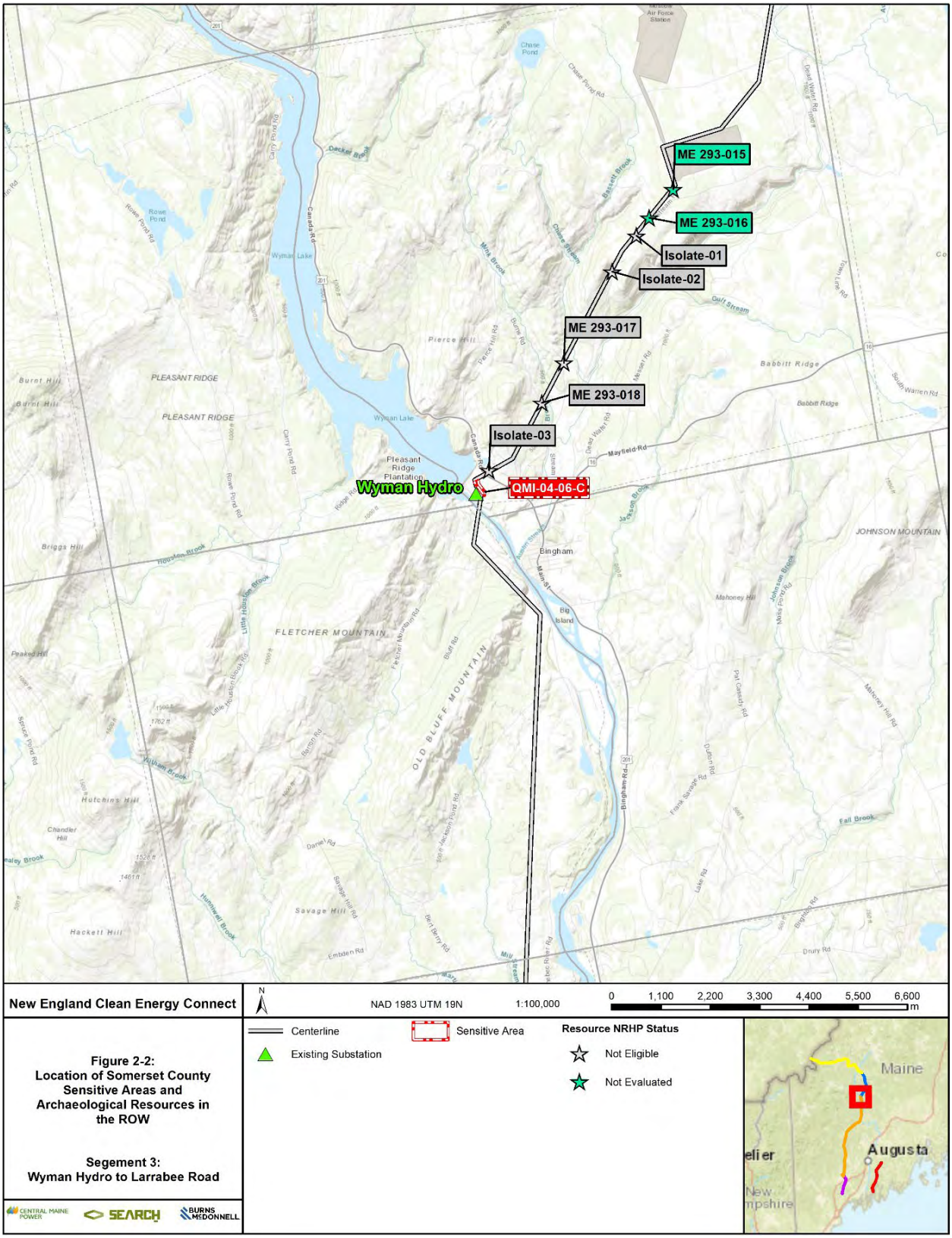
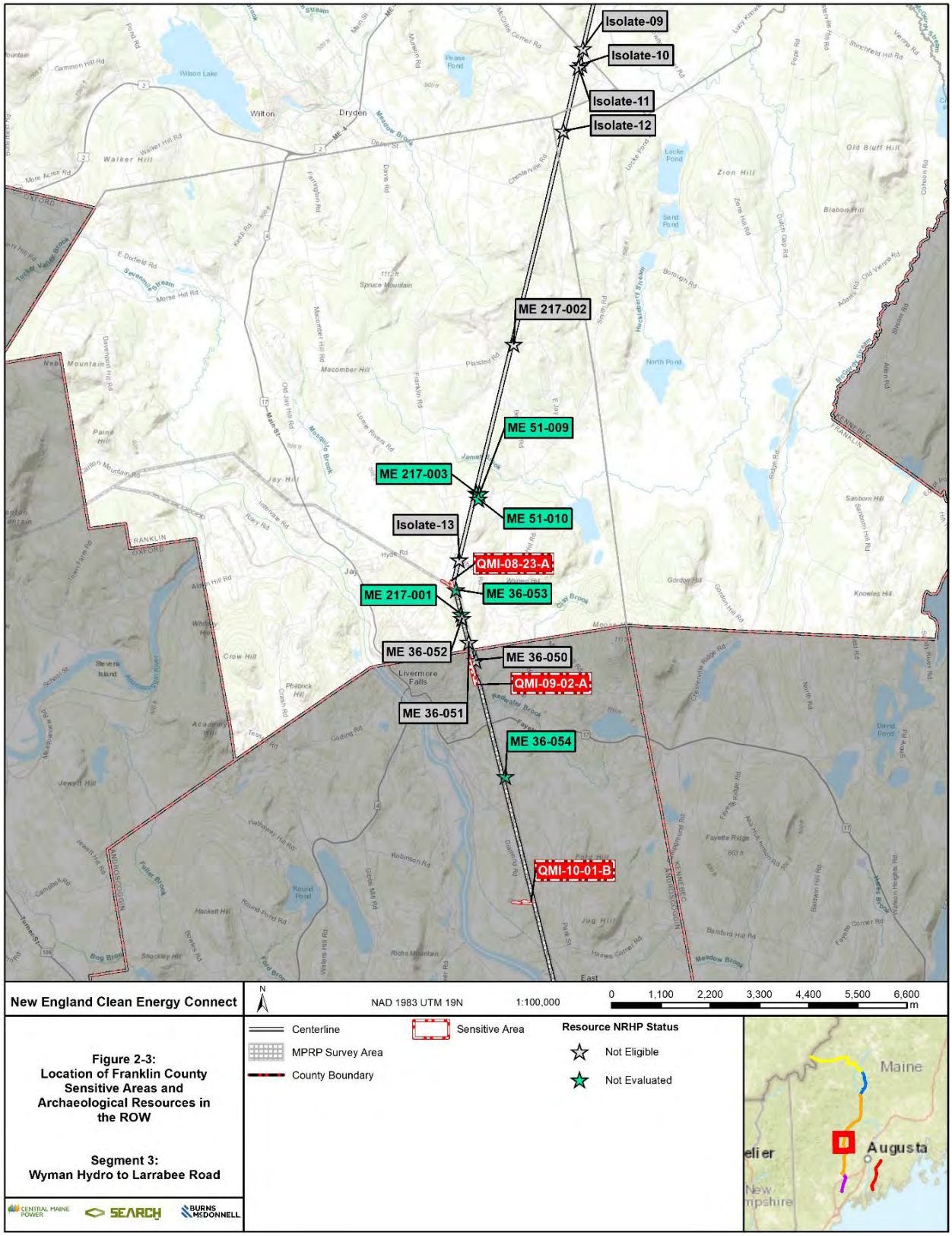

QMI-01-09-A
Bog Brook
Gold Brook
Barrett Brook
East Branch Barrett Brook
Number 6 Mountain
Number 5 Mountain
King Mountain
Tumbledown Mountain
Three Slide Mountain
Hardwood Mountain
KIBBY MOUNTAIN
SPENCER MOUNTAIN
Spencer Stream
West Branch Spencer Stream
Durgin Brook
Davis Brook
Bake Stream
Whit Brook
East Branch Kibby Stream
Appleton Rd
Barrett Pond Rd
Old Skirret Rd
Helen Rd
Spencer River Rd
Fish Pond Rd
Hardscrabble Rd
Bog Pond
Whipple Pond
Fish Pond
Baker Pond
Spencer Lake
Bear Mountain
Peaked Mountain
Spencer Bale
SOMERSET
FRANKLIN
New England Clean Energy Connect
N
NAD 1983 UTM 19N
1:100,000
0 1,100 2,200 3,300 4,400 5,500 6,600 m
Centerline
Sensitive Area
County Boundary
Maine
Augusta
Figure 2-1:
Location of Somerset County
Sensitive Areas
Segement 1:
New ROW
CENTRAL MAINE POWER
SEARCH
BURNS McDONNELL

Figure 2-2. Location of Somerset County Sensitive Areas and Archaeological Resources in the NECEC ROW.




Isolate-09
Isolate-10
Isolate-11
Isolate-12
ME 217-002
ME 51-009
ME 217-003
ME 51-010
Isolate-13
QMI-08-23-A
ME 217-001
ME 36-053
ME 36-052
ME 36-050
QMI-09-02-A
ME 36-051
ME 36-054
QMI-10-01-B
New England Clean Energy Connect
NAD 1983 UTM 19N
1:100,000
0 1,100 2,200 3,300 4,400 5,500 6,600 m
Centerline
MPRP Survey Area
County Boundary
Sensitive Area
Resource NRHP Status
Not Eligible
Not Evaluated
Maine
Augusta
Figure 2-3:
Location of Franklin County Sensitive Areas and Archaeological Resources in the ROW
Segment 3:
Wyman Hydro to Larrabee Road
CENTRAL MAINE POWER
SEARCH
BURNS McDONNELL

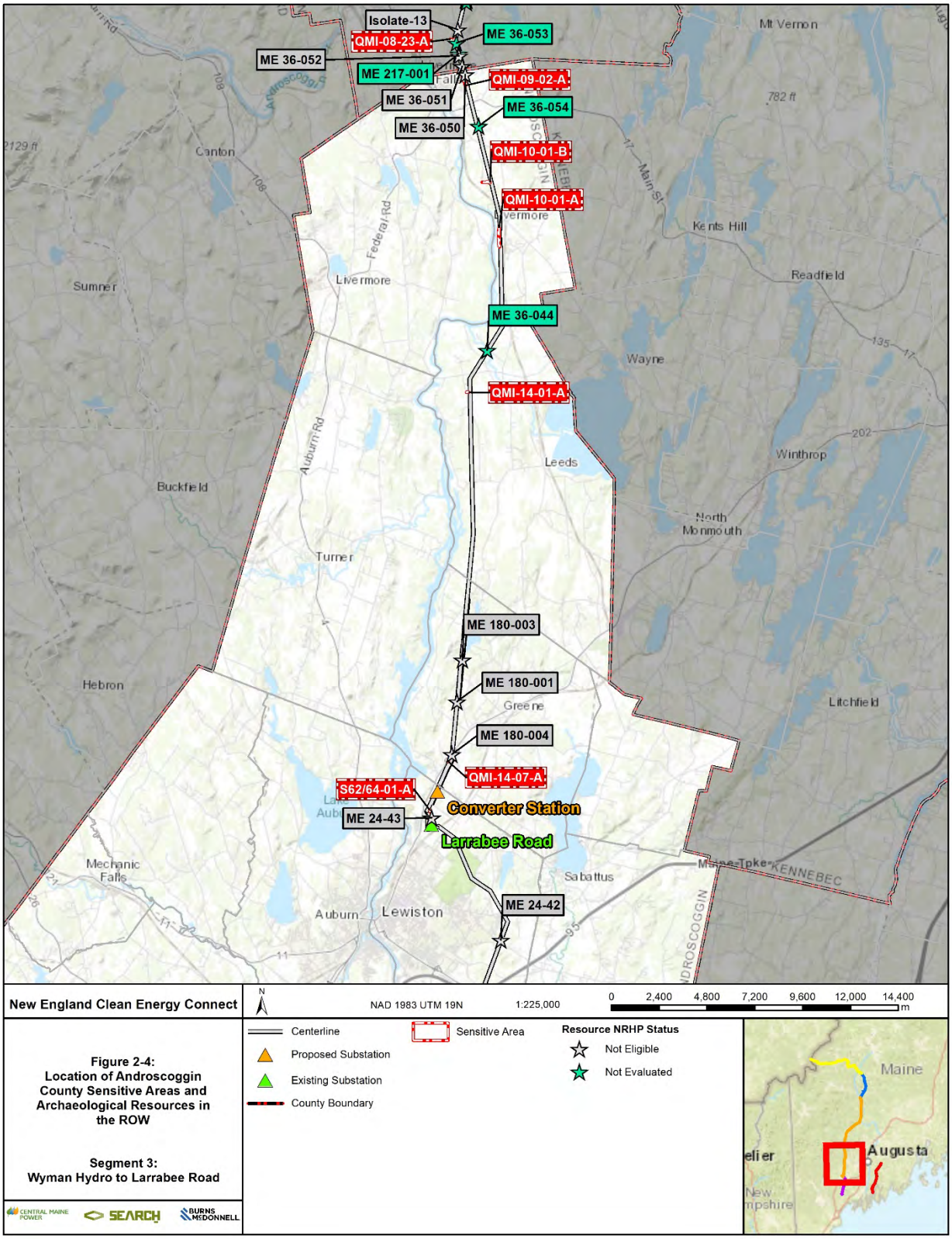
2.1.3 Androscoggin County

Desktop review of the IFC design identified six SAs (QMI-09-02-A, QMI-10-01-A, QMI-10-01-B, QMI-14-01-A, QMI-14-07-A, and S62/64-01-A; **Appendix A**) in Androscoggin County (**Table 2-3**; **Figure 2-4**). No archaeological resources are within this area; previously recorded precontact site ME 24-43 is approximately 61 m east of S62/64-01A. No subsurface testing was conducted during the field survey at QMI-10-01-B, QMI-14-01-A, QMI-14-07-A, or S62/64-01-A, and no further archaeological work is recommended at these SAs. Field crews conducted subsurface testing at QMI-09-02-A and QMI-10-01-A (**Appendix B**).

Table 2-3. Androscoggin County archaeologically sensitive areas.

SA	Segment	Town	USGS Quadrangle	Hectares	Acres
QMI-09-02-A	Segment 3, Wyman Hydro to Larrabee Road	Livermore Falls	Livermore Falls	2.6	6.5
QMI-10-01-A	Segment 3, Wyman Hydro to Larrabee Road	Livermore Falls	Livermore Falls	3.4	8.4
QMI-10-01-B	Segment 3, Wyman Hydro to Larrabee Road	Livermore Falls	Livermore Falls	0.4	1.0
QMI-14-01-A	Segment 3, Wyman Hydro to Larrabee Road	Leeds	Turner Center	0.1	0.2
QMI-14-07-A	Segment 3, Wyman Hydro to Larrabee Road	Greene	Lake Auburn East	0.0	0.1
S62/64-01-A	Segment 3, Wyman Hydro to Larrabee Road	Lewiston	Lake Auburn East	0.1	0.2

Field crews conducted subsurface testing at QMI-09-02-A and QMI-10-10-A, excavating a total of 28 STs. Soil profiles reflect the reported soil series for the area (US Department of Agriculture [USDA] 2020). A review of the surficial geology for the Livermore Falls US Geological Survey (USGS) quadrangle map indicates that most of QMI-10-01-A is underlain by Presumpscot Formation glaciomarine silt, clay, and sand (1910, 1941, 1967). None of the STs contained cultural material; however, because QMI-10 10-A is on a terrace adjacent to the Androscoggin River and is characterized by Adams soils that are derived from sandy glaciofluvial deposits and form on outwash terraces, SEARCH conducted deep testing consisting of nine ATs and two TUs (Appendix A and Appendix B). Intact soils encountered during deep testing at QMI-10-01-A reflect both mapped soils series and reported surficial geology. Field crews identified two deeply buried aeolian deposits within ST 3A-03 that were likely deposited during the late-glacial following ice margin retreat. Aeolian deposition in inland Maine following the retreat of the ice sheet exposed a large supply of sand from recent glacial deposits and a relatively vegetation-free landscape. The two deeply buried aeolian lenses are between 105 and 130 centimeters (cm; 41 and 51 inches [in]) below surface (bs), and 190 and 215 cm (75 and 85 in) bs. The aeolian lenses are between deposits of oxidized very fine sands. The presence of these lenses suggests wind-blown materials were deposited between the Androscoggin River meanders as it established its modern course (Katz 1990). These deposits were likely removed later by Holocene down-cutting by Hunton Brook. The deep testing documented no evidence that archaeological materials may be present below the depth achieved by shovel testing. No further archaeological work is recommended QMI-09-02-A and QMI-10-10-A.


Isolate-13
QMI-08-23-A
ME 36-053
ME 36-052
ME 217-001
QMI-09-02-A
ME 36-051
ME 36-054
ME 36-050
QMI-10-01-B
QMI-10-01-A
ME 36-044
QMI-14-01-A
ME 180-003
ME 180-001
ME 180-004
QMI-14-07-A
S62/64-01-A
Converter Station
ME 24-43
Larrabee Road
ME 24-42
Mt Vernon
Canton
Sumner
Livermore
Kents Hill
Readfield
Wayne
Leeds
Winthrop
Buckfield
North Monmouth
Turner
Hebron
Litchfield
Greene
Mechanic Falls
Sabattus
Auburn
Lewiston
New England Clean Energy Connect
NAD 1983 UTM 19N
1:225,000
0 2,400 4,800 7,200 9,600 12,000 14,400 m
Centerline
Proposed Substation
Existing Substation
County Boundary
Sensitive Area
Resource NRHP Status
Not Eligible
Not Evaluated
Maine
Augusta
Figure 2-4:
Location of Androscoggin County Sensitive Areas and Archaeological Resources in the ROW
Segment 3:
Wyman Hydro to Larrabee Road

2.1.4 Cumberland County

Desktop review of the IFC design identified two SAs (S62/64-14-A and S62/64-14-B; **Appendix A**) in Cumberland County (**Table 2-4**; Figure 2-5). No archaeological resources are within these areas; previously recorded postcontact site ME 358-008 is approximately 21 m north of S62/64-14A. No subsurface testing was conducted during the field survey and no further archaeological work is recommended.

Table 2-4. Cumberland County archaeologically sensitive areas.

SA	Segment	Town	USGS Quadrangle	Hectares	Acres
S62/64-14-A	Segment 4, rebuilds	Pownal	North Pownal	0.3	0.6
S62/64-14-B	Segment 4, rebuilds	Pownal	North Pownal	0.3	0.7

2.1.5 Lincoln County

Desktop review of the IFC design identified three SAs (S11-01-01-Z, S11-04-02-A, and S29-02-04-A; **Appendix A**) in Lincoln County (**Table 2-5**; **Figure 2-6**). No archaeological resources are within or adjacent to these areas. No subsurface testing was conducted during the field survey and no further archaeological work is recommended.

Table 2-5. Lincoln County archaeologically sensitive areas.

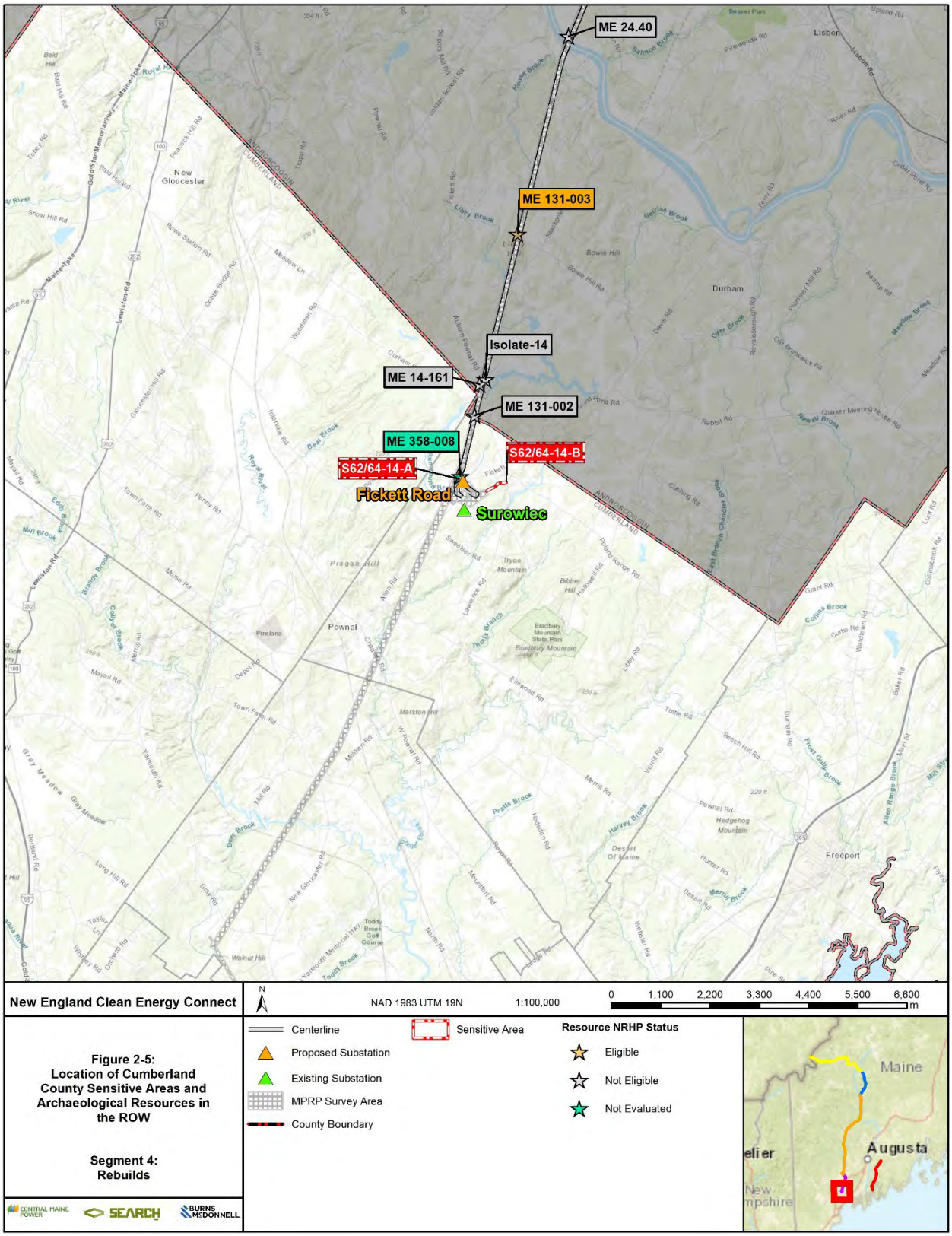
SA	Segment	Town	USGS Quadrangle	Hectares	Acres
S11-01-01-Z	Segment 5, AC	Wiscasset	Wiscasset	2.6	6.3
S11-04-02-A	Segment 5, AC	Wiscasset	Wiscasset	0.0	0.0
S29-02-04-A	Segment 5, AC	Wiscasset	Westport	0.1	0.2

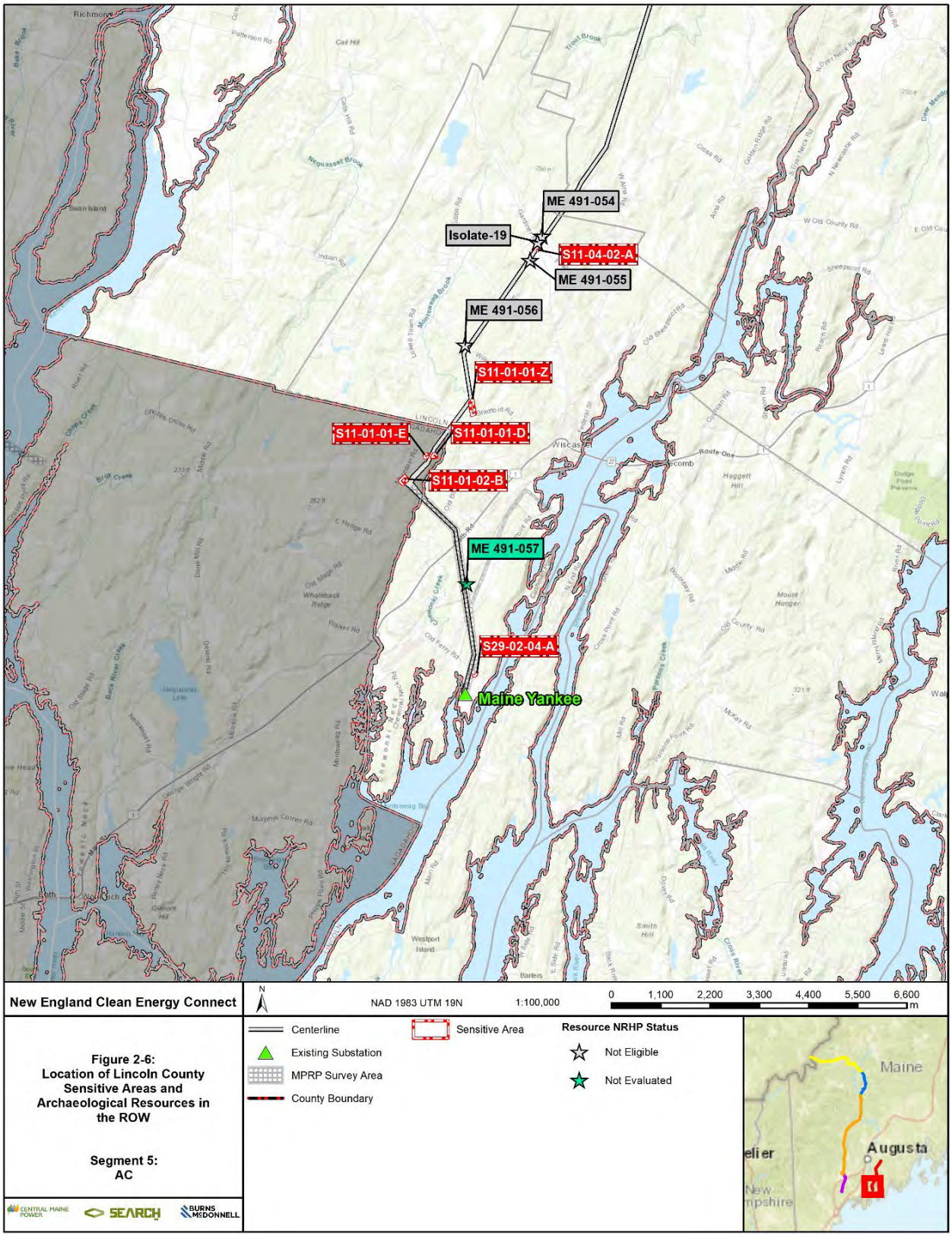
2.1.6 Sagadahoc County

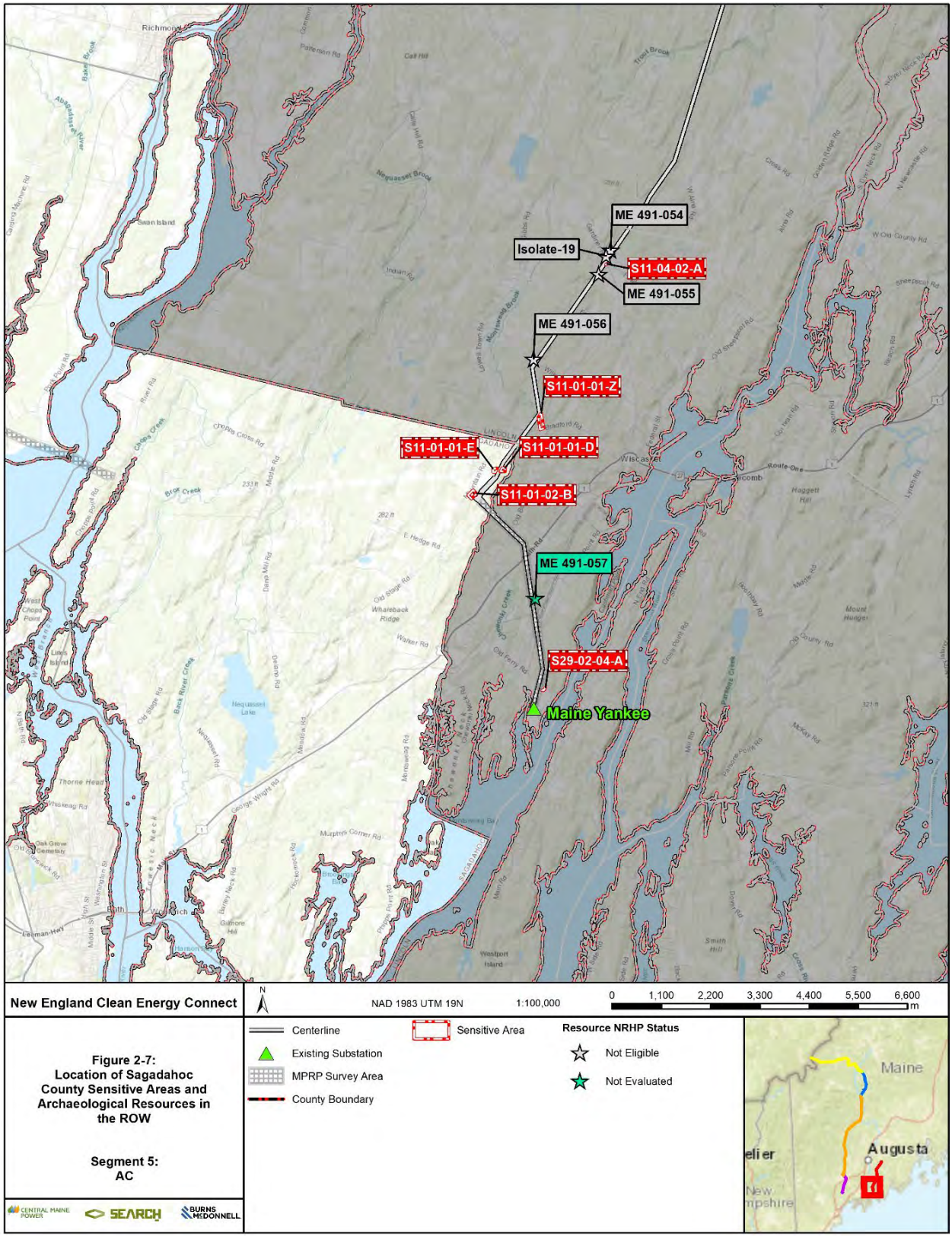
Desktop review of the IFC design identified three SAs (S11-01-01-D, S11-01-01-E, and S11-01-02-B; **Appendix A**) in Sagadahoc County (**Table 2-6**; Figure 2-7). No archaeological resources are within or adjacent to these areas. Field crews conducted subsurface testing at S11-01-02-B consisting of three shovel tests (**Appendix B**). No cultural material was identified, and no further archaeological work is recommended.

Table 2-6. Sagadahoc County archaeologically sensitive areas.

SA	Segment	Town	USGS Quadrangle	Hectares	Acres
S11-01-01-D	Segment 5, AC	Woolwich	Wiscasset	0.8	1.9
S11-01-01-E	Segment 5, AC	Woolwich	Wiscasset	0.6	1.6
S11-01-02-B	Segment 5, AC	Woolwich	Westport	1.9	4.6


ME 24.40
ME 131-003
Isolate-14
ME 14-161
ME 131-002
ME 358-008
S62/64-14-A
S62/64-14-B
Fickett Road
Surowiec
New Gloucester
Durham
Pownal
Lisbon
Freeport
New England Clean Energy Connect
NAD 1983 UTM 19N
1:100,000
0 1,100 2,200 3,300 4,400 5,500 6,600 m
Centerline
Proposed Substation
Existing Substation
MPRP Survey Area
County Boundary
Sensitive Area
Resource NRHP Status
Eligible
Not Eligible
Not Evaluated
Maine
Augusta
Figure 2-5:
Location of Cumberland County Sensitive Areas and Archaeological Resources in the ROW
Segment 4:
Rebuilds
CENTRAL MAINE POWER
SEARCH
BURNS & McDONNELL


ME 491-054
Isolate-19
S11-04-02-A
ME 491-055
ME 491-056
S11-01-01-Z
S11-01-01-E
S11-01-01-D
S11-01-02-B
ME 491-057
S29-02-04-A
Maine Yankee
New England Clean Energy Connect
NAD 1983 UTM 19N
1:100,000
0 1,100 2,200 3,300 4,400 5,500 6,600 m
Centerline
Existing Substation
MPRP Survey Area
County Boundary
Sensitive Area
Resource NRHP Status
Not Eligible
Not Evaluated
Maine
Augusta
Figure 2-6:
Location of Lincoln County Sensitive Areas and Archaeological Resources in the ROW
Segment 5:
AC
CENTRAL MAINE POWER
SEARCH
BURNS McDONNELL


ME 491-054
Isolate-19
S11-04-02-A
ME 491-055
ME 491-056
S11-01-01-Z
S11-01-01-E
S11-01-01-D
S11-01-02-B
ME 491-057
S29-02-04-A
Maine Yankee
New England Clean Energy Connect
NAD 1983 UTM 19N
1:100,000
0 1,100 2,200 3,300 4,400 5,500 6,600 m
Centerline
Existing Substation
MPRP Survey Area
County Boundary
Sensitive Area
Resource NRHP Status
Not Eligible
Not Evaluated
Maine
Augusta
Figure 2-7:
Location of Sagadahoc County Sensitive Areas and Archaeological Resources in the ROW
Segment 5:
AC
CENTRAL MAINE POWER
SEARCH
BURNS McDONNELL

3 CONCLUSION AND RECOMMENDATIONS

3.1 SUMMARY OF RESULTS

SEARCH conducted reconnaissance at 17 SAs and Phase I archaeological testing at 3 SAs that will be impacted under the IFC design for the Project. The Project, as proposed by CMP, will deliver renewable energy from Quebec-based sources to the New England Control Area for Massachusetts customers. The IFC survey added an additional 19.9 ha (49.2 ac) of survey coverage in Somerset, Franklin, Androscoggin, Cumberland, Lincoln, and Sagadahoc Counties, Maine, completing archaeological survey of the Project as currently designed.

Field crew conducted a pedestrian survey at all 17 SAs and found 14 to not be sensitive for buried archaeological deposits. No subsurface testing was conducted at these 14 SAs. The three remaining SAs (QMI-09-02-A, QMI-10-01-A, and S11-01-02-B) were determined to have higher potential for archaeological deposits and were tested with 31 STs. SEARCH also performed deep testing at one SA (QMI-10-01-A) due to its proximity to the Androscoggin River. None of the shovel tests contained artifacts and the deep testing yielded no evidence that deeply buried deposits may be present beneath the depth reached by shovel testing. A summary of results for each SA, with recommendations, is presented in **Table 3-1**.

Table 3-1. Summary of archaeological field sensitive areas for the 100% design.

County	Town	SA	Acres	No. of STs	Deep Testing	Recommendation
Somerset	Appleton Township	QMI-01-09-A	10.8	0	Not applicable (N/A)	No further work
	Moscow	QMI-04-06-C	5.1	0	N/A	No further work
Franklin	Jay	QMI-08-23-A	0.9	0	N/A	No further work
Androscoggin	Livermore Falls	QMI-09-02-A	6.5	7	N/A	No further work
		QMI-10-01-A	8.4	21	9 ATs and 2 TUs	No further work
		QMI-10-01-B	1.0	0	N/A	No further work
	Leeds	QMI-14-01-A	0.2	0	N/A	No further work
	Greene	QMI-14-07-A	0.1	0	N/A	No further work
	Lewiston	S62/64-01-A	0.2	0	N/A	No further work
Cumberland	Pownal	S62/64-14-A	0.6	0	N/A	No further work
		S62/64-14-B	0.7	0	N/A	No further work
Lincoln	Wiscasset	S11-01-01-Z	6.3	0	N/A	No further work
		S11-04-02-A	0.0	0	N/A	No further work
		S29-02-04-A	0.2	0	N/A	No further work
Sagadahoc	Woolwich	S11-01-01-D	1.9	0	N/A	No further work
		S11-01-01-E	1.6	0	N/A	No further work
		S11-01-02-B	4.6	3	N/A	No further work

3.2 RECOMMENDATIONS

No archaeological deposits were identified within the 17 SAs identified for review as part of the IFC NECEC Project design. No further archaeological survey is recommended.

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4 REFERENCES CITED

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Clement, Christopher, Robert Ingraham, Jacob Freedman, Jennifer Ort, Michael Hambacher, Bertrand Pelletier, Jessica Barnett, Kelly Hockersmith, and Meghan Mooney
2018b *New England Clean Energy Connect Phase I Archaeological Survey Androscoggin, Cumberland, Franklin, Lincoln, Sagadahoc, Somerset, and Kennebec Counties, Maine*. Report prepared for Central Maine Power Company, Augusta, Maine. Report on file, Maine Historic Preservation Commission.

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APPENDIX A
ARCHAEOLOGICAL FIELD SURVEY AREAS RESULTS

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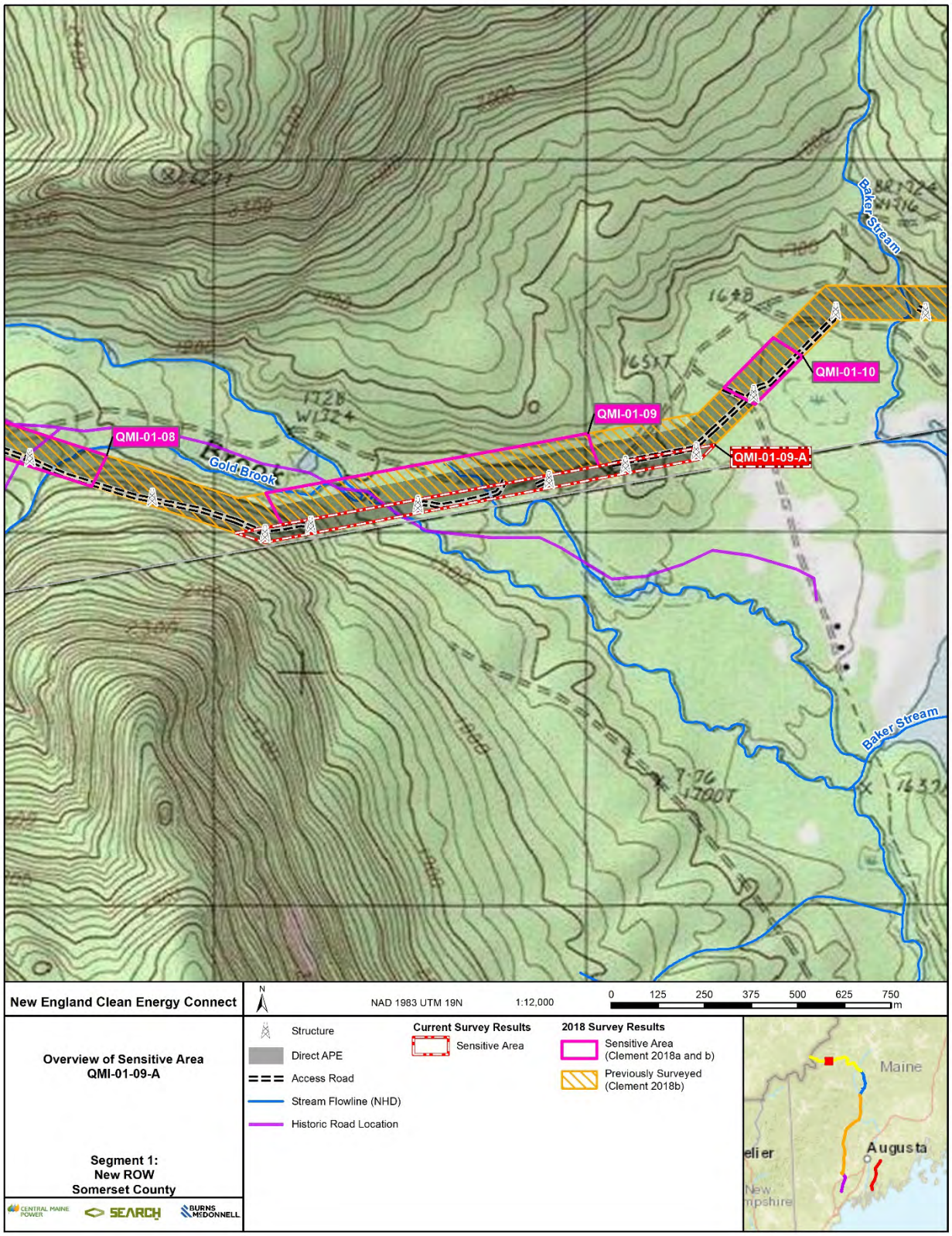
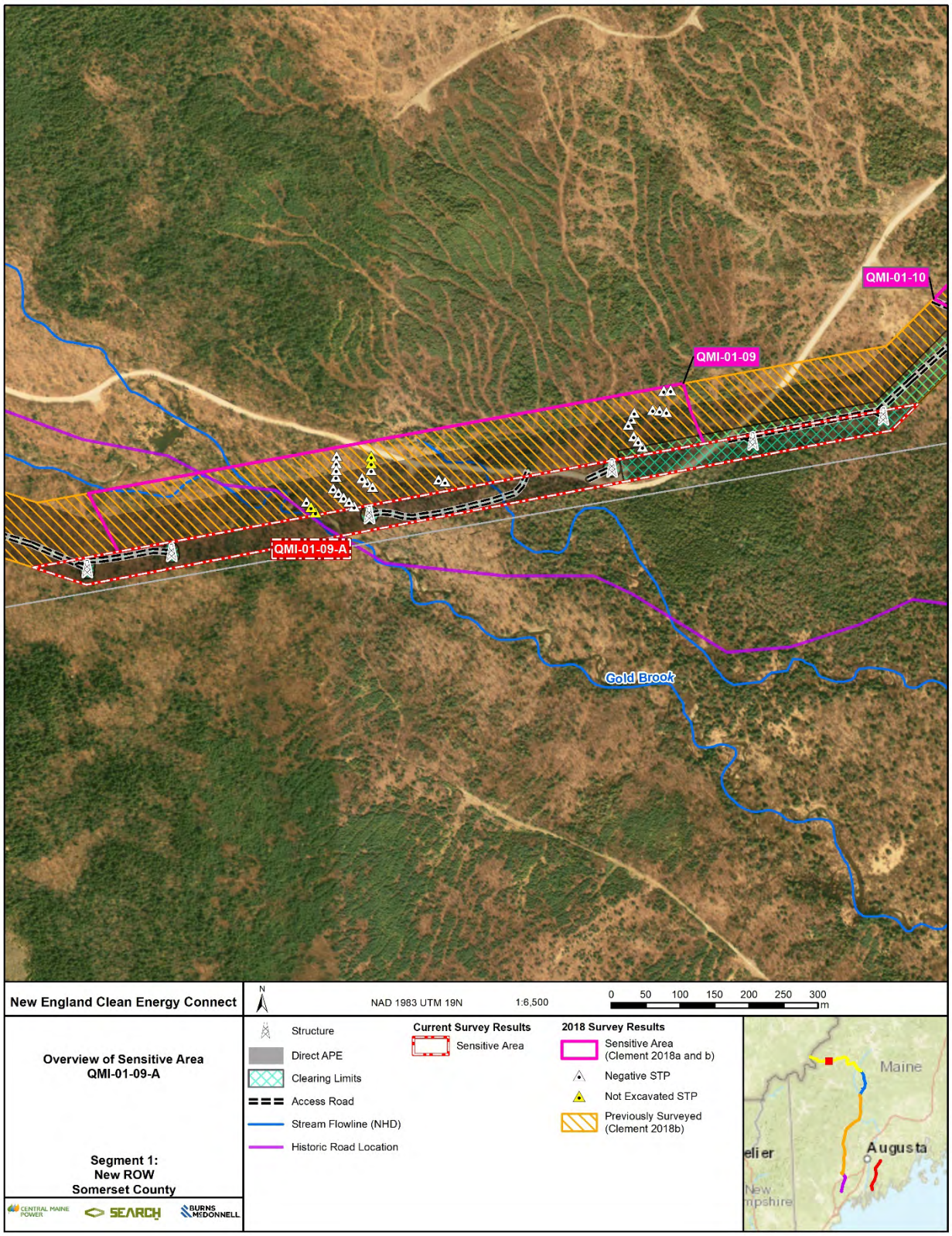
QMI-01-09-A

Segment:		Segment 1, New ROW
County:		Somerset
Town:		Appleton Township
USGS Quadrangle:		Tumbledown Mountain
Coordinate (UTM 19N):	E (m)	389744
	N (m)	5035317
Size (ha):		4.4
Surveyors Initials:		SW
Time Period:		Precontact / Postcontact
Basis for Sensitivity:		Proximity to brook / Proximity to mapped historic road
Archaeological Resources Identified:		None
Mean Slope (percent)		7.0
Nearest Water:		Gold Brook
Distance to Water (m):		0
Cultural Features Identified:		None
Phase I Results		
Number of Transects:		0
Number of shovel tests (STs):		0
Recommendation:		No further work

QMI-01-09-A is a segment of a right-of-way (ROW). Soils within the location are sandy-skeletal material of glaciofluvial origin with minor components composed of till and glaciolacustrine derived silt (U.S. Department of Agriculture [USDA] 2020). The terrain is uneven and hummocky in the eastern and western portions. Crews observed large boulders and glacial erratics within the forested areas. The central portion of the QMI-01-09-A is predominately wetlands associated with both Gold Brook and an unnamed stream. Spencer Road crosses through the area and is a logging road used to access timber harvesting areas. Mechanical disturbances associated with logging activities are present across QMI-01-09-A. A borrow pit, likely used for road maintenance, is near Spencer Road. Field crew did not conduct any subsurface testing due to the extent of mechanical disturbance.

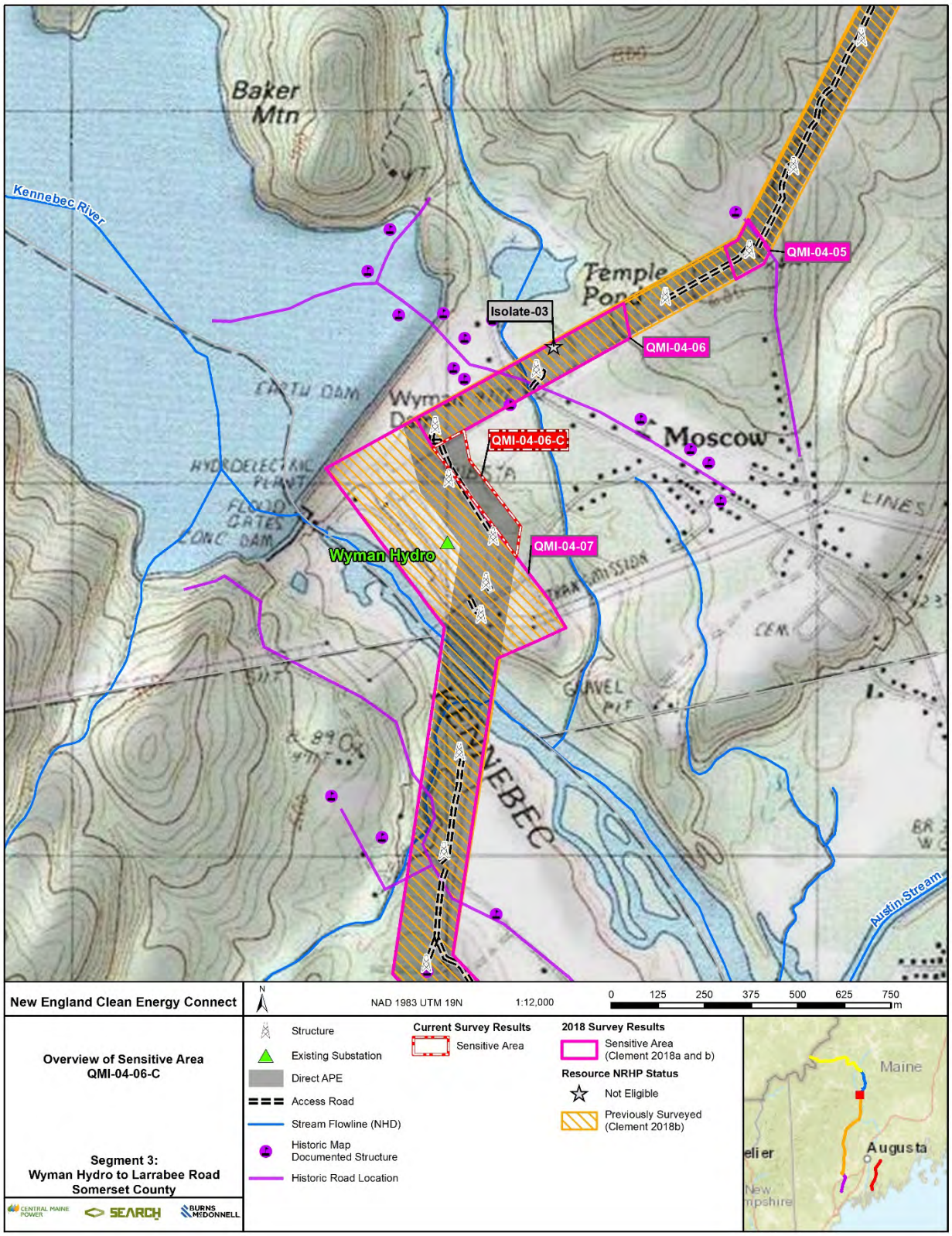

QMI-01-08
QMI-01-09
QMI-01-09-A
QMI-01-10
Gold Brook
Baker Stream
Baker Stream
New England Clean Energy Connect
NAD 1983 UTM 19N
1:12,000
0 125 250 375 500 625 750 m
Overview of Sensitive Area
QMI-01-09-A
Segment 1:
New ROW
Somerset County
Structure
Direct APE
Access Road
Stream Flowline (NHD)
Historic Road Location
Current Survey Results
Sensitive Area
2018 Survey Results
Sensitive Area (Clement 2018a and b)
Previously Surveyed (Clement 2018b)
Maine
Augusta
CENTRAL MAINE POWER
SEARCH
BURNS McDONNELL

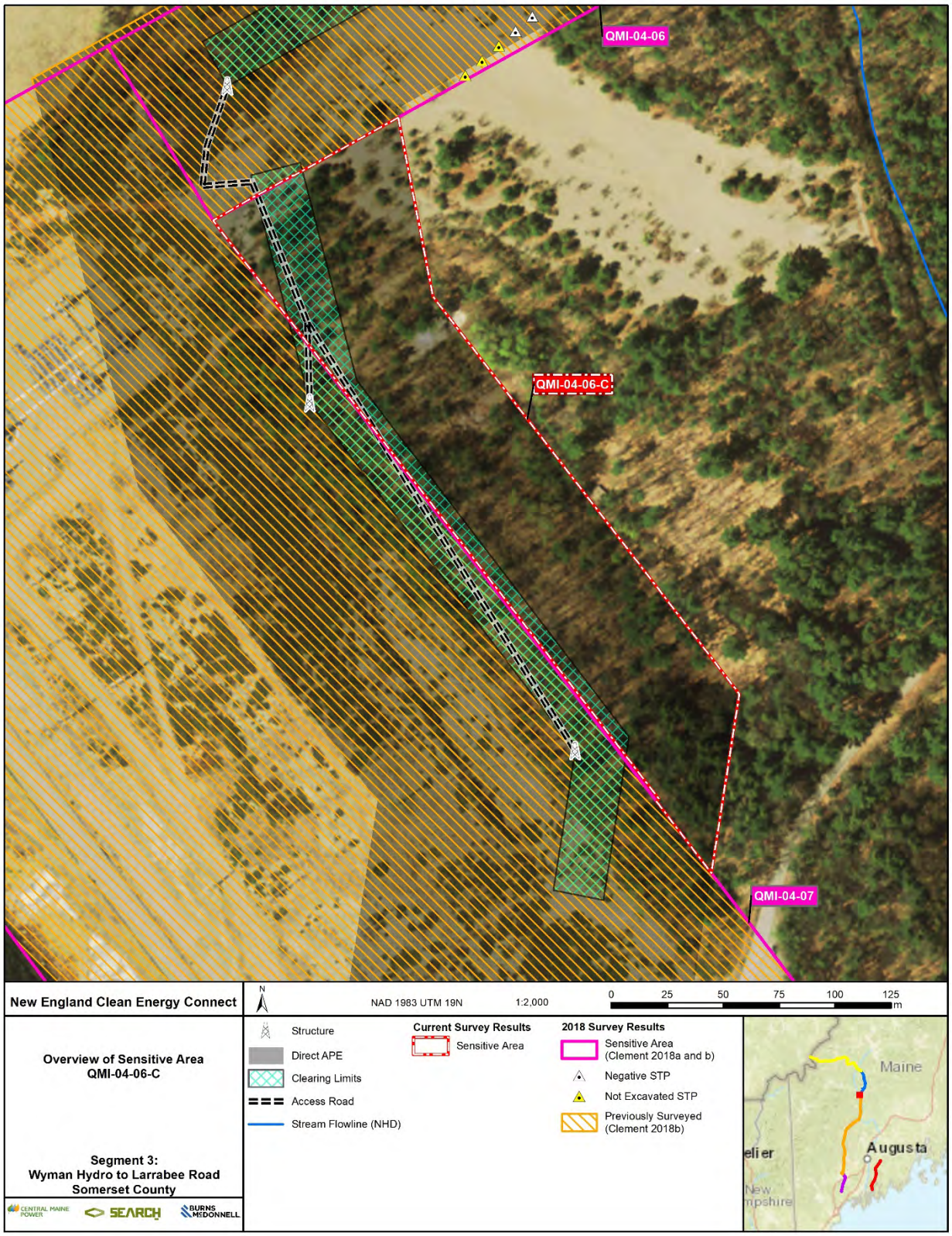

QMI-01-10
QMI-01-09
QMI-01-09-A
Cold Brook
New England Clean Energy Connect
N
NAD 1983 UTM 19N
1:6,500
0 50 100 150 200 250 300 m
Overview of Sensitive Area
QMI-01-09-A
Segment 1:
New ROW
Somerset County
Structure
Direct APE
Clearing Limits
Access Road
Stream Flowline (NHD)
Historic Road Location
Current Survey Results
Sensitive Area
2018 Survey Results
Sensitive Area (Clement 2018a and b)
Negative STP
Not Excavated STP
Previously Surveyed (Clement 2018b)
Maine
Augusta
CENTRAL MAINE POWER
SEARCH
BURNS McDONNELL

QMI-04-06-C

Segment:		Segment 3, Wyman to Larrabee Road/Quebec to Wyman
County:		Somerset
Town:		Moscow
USGS Quadrangle:		Bingham
Coordinate (UTM 19N):	E (m)	429136
	N (m)	4991191
Size (ha):		2.1
Surveyors Initials:		BP, SW
Time Period:		Precontact
Basis for Sensitivity:		Terrace over unnamed stream and major waterway
Archaeological Resources Identified:		None
Mean Slope (percent):		6.4
Nearest Water:		Unnamed Stream
Distance to Water (m):		122
Cultural Features Identified:		None
	Phase I Results	
Number of Transects:		0
Number of STs:		0
Recommendation:		No further work

QMI-04-06-C is a segment of ROW. Soils within the area are gravelly sandy loams derived from glaciofluvial deposits (USDA 2020). The area is oriented northwest to southeast on top of an esker. A densely compacted roadbed crosses the sensitive area (SA) and terminates at the northern end at a machine-cut ditch that bisects the esker. North of this ditch is the powerhouse turnaround, a heavily modified and machine-graded surface. SEARCH archaeologists attempted multiple subsurface observations using standard hand-tools in the form of STs and soil probes. Due to the heavily modified nature of the area, each attempt was met with refusal in densely compacted soils. No further work is recommended.

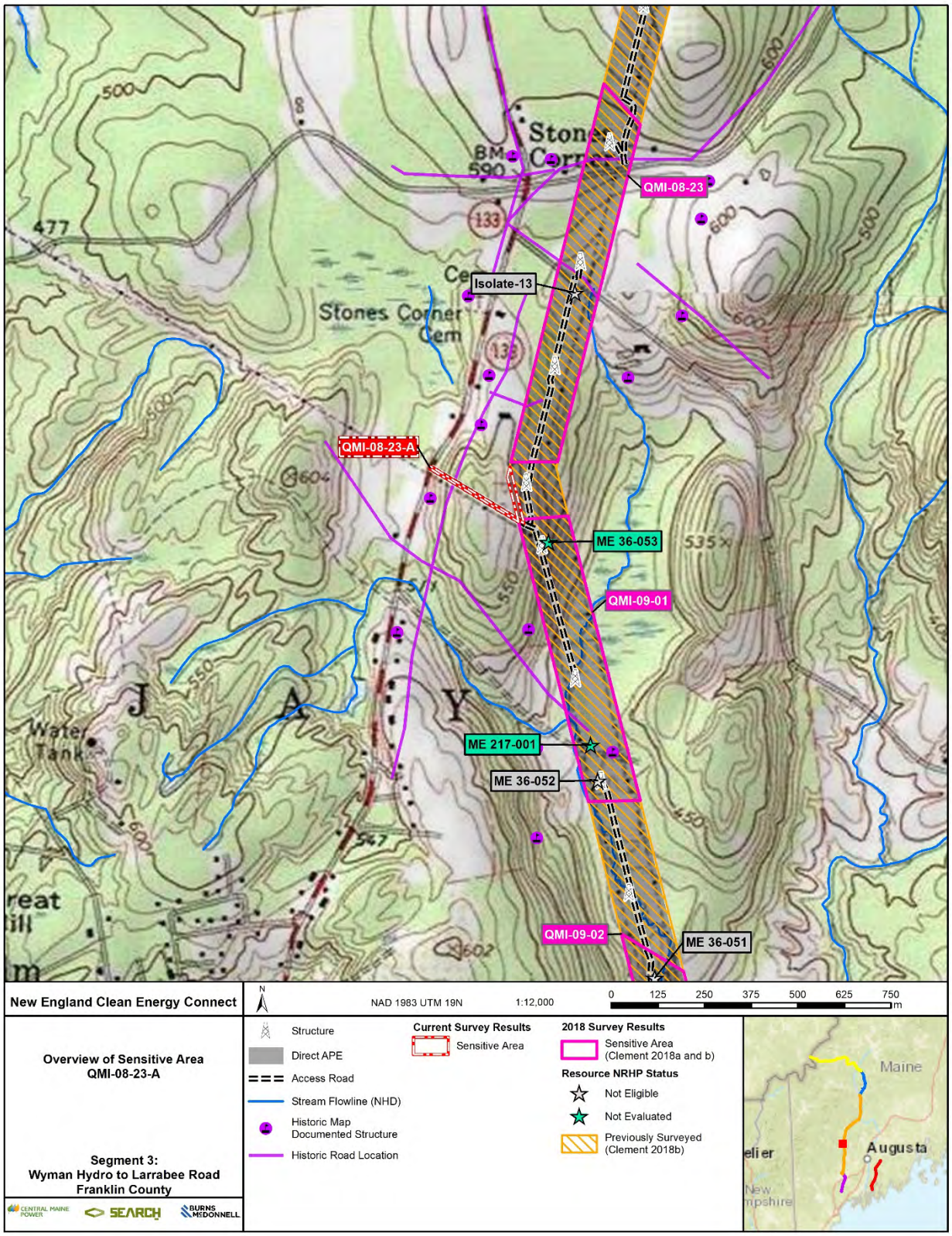

Baker Mtn
Kennebec River
Temple Pond
Isolate-03
QMI-04-05
QMI-04-06
QMI-04-06-C
QMI-04-07
Moscow
Wyman Hydro
Austin Stream
New England Clean Energy Connect
NAD 1983 UTM 19N
1:12,000
0 125 250 375 500 625 750 m
Overview of Sensitive Area
QMI-04-06-C
Segment 3:
Wyman Hydro to Larrabee Road
Somerset County
Structure
Existing Substation
Direct APE
Access Road
Stream Flowline (NHD)
Historic Map Documented Structure
Historic Road Location
Current Survey Results
Sensitive Area
2018 Survey Results
Sensitive Area (Clement 2018a and b)
Resource NRHP Status
Not Eligible
Previously Surveyed (Clement 2018b)
Maine
Augusta
SEARCH

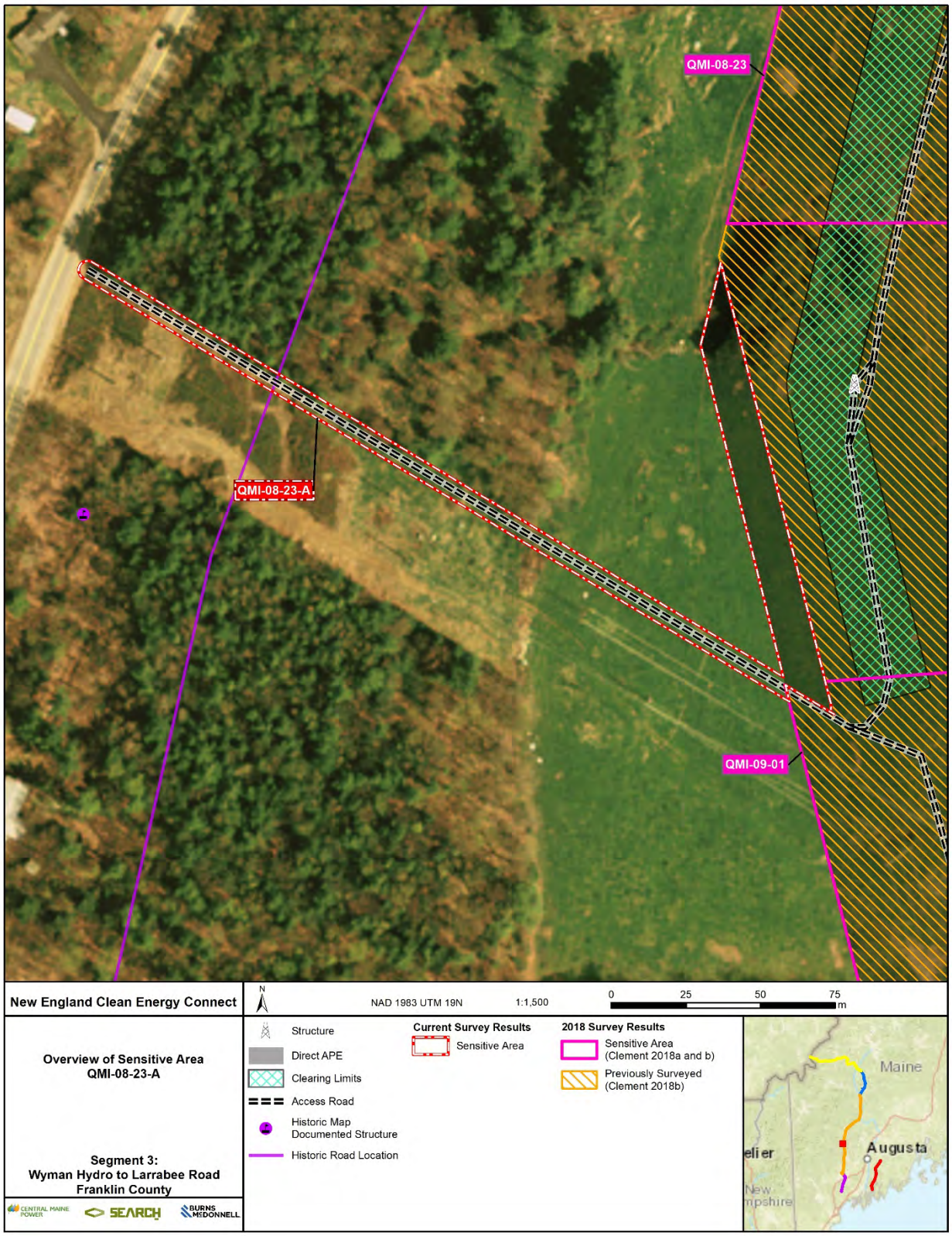

QMI-04-06
QMI-04-06-C
QMI-04-07
New England Clean Energy Connect
N
NAD 1983 UTM 19N
1:2,000
0 25 50 75 100 125 m
Overview of Sensitive Area
QMI-04-06-C
Segment 3:
Wyman Hydro to Larrabee Road
Somerset County
Structure
Direct APE
Clearing Limits
Access Road
Stream Flowline (NHD)
Current Survey Results
Sensitive Area
2018 Survey Results
Sensitive Area (Clement 2018a and b)
Negative STP
Not Excavated STP
Previously Surveyed (Clement 2018b)
Maine
Augusta
CENTRAL MAINE POWER
SEARCH
BURNS McDONNELL

QMI-08-23-A

Segment:		Segment 3, Wyman to Larrabee Road
County:		Franklin
Town:		Jay
USGS Quadrangle:		Livermore Falls
Coordinate (UTM 19N):	E (m)	406213
	N (m)	4927536
Size (ha):		0.3
Surveyors Initials:		BP, SW
Time Period:		Precontact / Postcontact
Basis for Sensitivity:		Knoll overlooking broad wetlands / Proximity to mapped historic structure and road
Archaeological Resources Identified:		None
Mean Slope (percent):		7.0
Nearest Water:		Unnamed Stream
Distance to Water (m):		232
Cultural Features Identified:		None
	Phase I Results	
Number of Transects:		0
Total number of STs:		0
Number of Positive STs:		0
Recommendation:		No further work

QMI-08-23-A is a segment of ROW and an access road. Soils are predominately mapped as a fine sandy loam developed on thin glacial drift deposits (Smith and Thompson 2008; USDA 2020). Surface observation of soils inside the ROW indicated the soils are generally > 5 centimeter (cm; > 2 inches [in]) thick, with evidence of both mechanical and livestock disturbance. The access road is an existing gravel road on the northern edge of a transmission corridor. It exhibits substantial machine modification associated with the construction and maintenance of the transmission corridor. Field crew did not conduct any subsurface testing due to the extent of mechanical disturbance, livestock bioturbation, and observed shallow soils. No further work is recommended.


QMI-08-23
Isolate-13
QMI-08-23-A
ME 36-053
QMI-09-01
ME 217-001
ME 36-052
QMI-09-02
ME 36-051
Stones Corner Cem
New England Clean Energy Connect
NAD 1983 UTM 19N
1:12,000
0 125 250 375 500 625 750 m
Overview of Sensitive Area
QMI-08-23-A
Segment 3:
Wyman Hydro to Larrabee Road
Franklin County
Structure
Direct APE
Access Road
Stream Flowline (NHD)
Historic Map Documented Structure
Historic Road Location
Current Survey Results
Sensitive Area
2018 Survey Results
Sensitive Area (Clement 2018a and b)
Resource NRHP Status
Not Eligible
Not Evaluated
Previously Surveyed (Clement 2018b)
Maine
Augusta


QMI-08-23
QMI-08-23-A
QMI-09-01
New England Clean Energy Connect
N
NAD 1983 UTM 19N
1:1,500
0 25 50 75 m
Overview of Sensitive Area
QMI-08-23-A
Segment 3:
Wyman Hydro to Larrabee Road
Franklin County
Structure
Direct APE
Clearing Limits
Access Road
Historic Map Documented Structure
Historic Road Location
Current Survey Results
Sensitive Area
2018 Survey Results
Sensitive Area (Clement 2018a and b)
Previously Surveyed (Clement 2018b)
Maine
Augusta
CENTRAL MAINE POWER
SEARCH
BURNS McDONNELL

QMI-09-02-A

Segment:	Segment 3, Wyman to Larrabee Road
County:	Androscoggin
Town:	Livermore Falls
USGS Quadrangle:	Livermore Falls
Coordinate (UTM 19N):	E (m) 406760 N (m) 4925567
Size (ha):	2.6
Surveyors Initials:	BP, SW
Time Period:	Precontact / Postcontact
Basis for Sensitivity:	Proximity to wetlands / Proximity to mapped historic structure and roads
Archaeological Resources Identified:	None
Mean Slope (percent):	4.3
Nearest Water:	Unnamed Stream
Distance to Water (m):	0
Cultural Features Identified:	2 fieldstone stone walls in southern portion of SA

Phase I Results

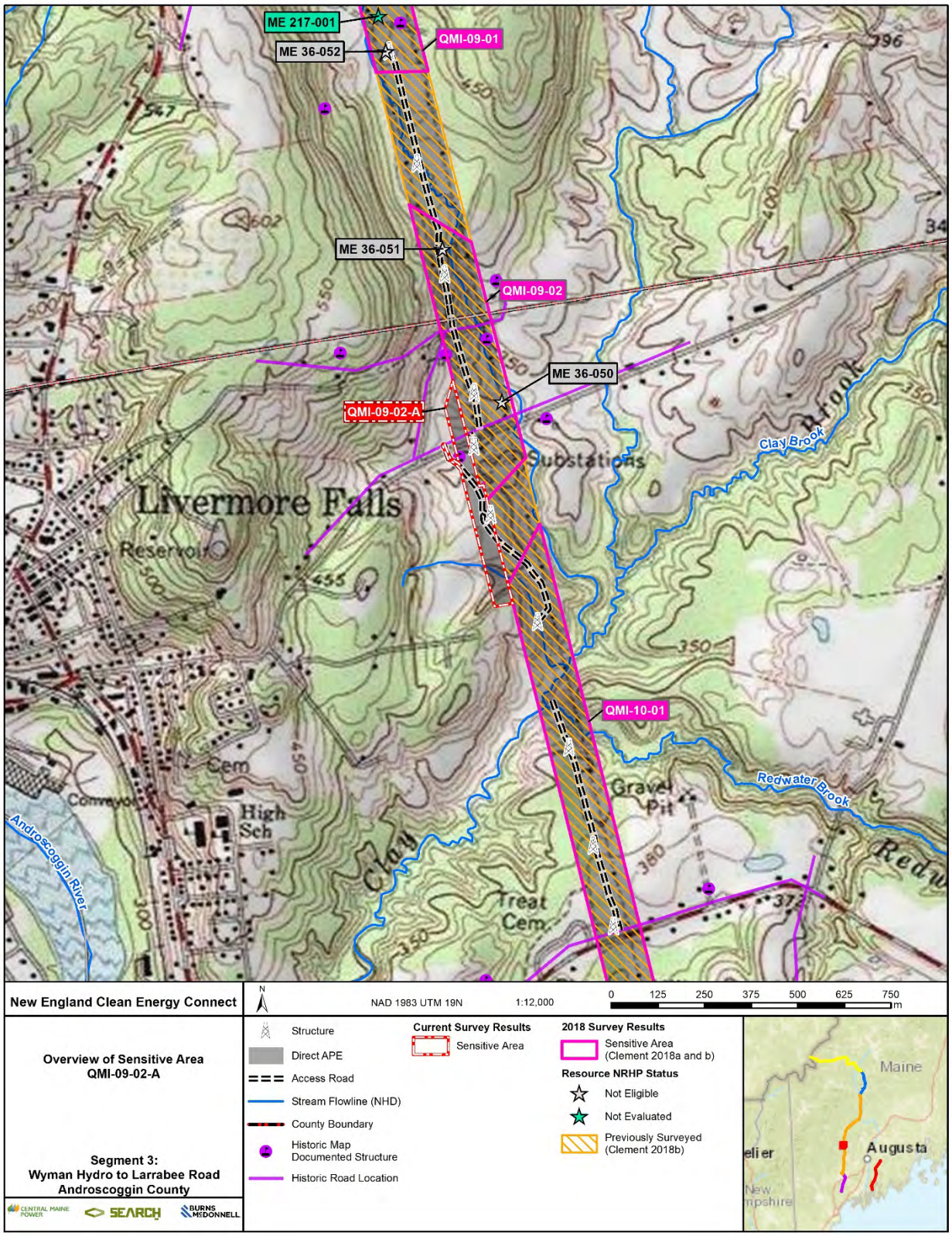
Number of Transects:	3
Total number of STs:	7
Number of Positive STs:	0
Recommendation:	No further work

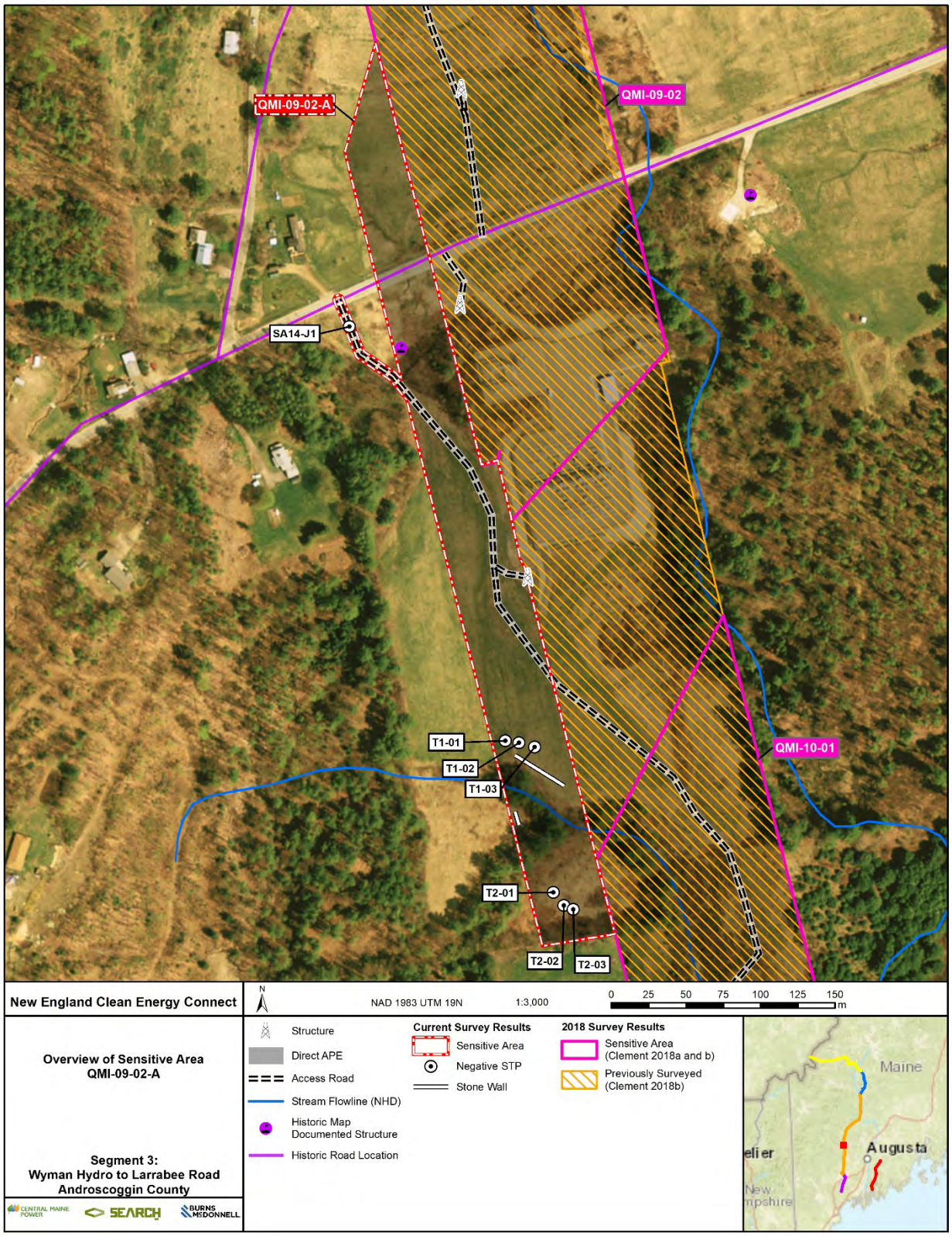
Soils Data

Horizon	Munsell	Soil Texture	Inclusions	Average depth (cmbs)
Ap	10YR 3/4	Si Lo	-	19
B	10YR 5/8	Si Sa	-	31
BC	7.5YR 5/3	Si Sa	-	42

QMI-09-02-A straddles Moose Hill Road. Soils are predominately a fine sandy loam derived from glaciolacustrine, glaciofluvial, or marine deposits (USDA 2020). North of Moose Hill Road, the area is an active agricultural field characterized by south- and east-facing gradual sloping terrain that terminates at an unnamed stream. Two ephemeral drainages are in this section and are contemporaneous landscape features that originate from a borrow area located north and west of the SA. Soils in this portion of the SA are fine sandy loams derived from coarse-loamy glaciofluvial deposits (USDA 2020). Based on the results of the reconnaissance survey, field crew did not conduct any subsurface testing in the northern portion of the SA. South of Moose Hill Road, the terrain is more steeply sloping. Several dirt roads that serve as Project access roads intersect within the SA, indicating an active agricultural use of the area. Soils here are generally fine sandy loams derived from glaciolacustrine and glaciomarine deposits (USDA 2020). A review of historical US Geological Survey (USGS) topographic maps identified one structure on the south side of Moose Hill Road. The building was removed, and the transmission line and substation was constructed, sometime between 1941 and 1967 (USGS 1910, 1941, and 1967). The reconnaissance survey yielded no evidence of the building, nor any associated outbuildings, well footprints, or historic debris.

At the southern end of the SA, two stonewalls are on the north and south side of an unnamed stream. The wall to the north parallels the stream from the northwest to the southeast. The wall on the south side extends north to south. Both walls were likely once connected, having denoted property or field boundaries. Field crew surveyed two transects (ET-61 Transect 1 and Transect 2) and excavated six STs on either side of the unnamed stream. The surveyors did not observe any cultural materials or evidence of buried, natural horizons in the STs. Based on the extent of mechanical disturbance and lack of cultural resources, no further work is recommended.


ME 217-001
ME 36-052
QMI-09-01
ME 36-051
QMI-09-02
ME 36-050
QMI-09-02-A
QMI-10-01
Livermore Falls
Reservoir
Substations
Clay Brook
Redwater Brook
Androscoggin River
High Sch
Cem
Gravel Pit
Treat Cem
New England Clean Energy Connect
NAD 1983 UTM 19N
1:12,000
0 125 250 375 500 625 750 m
Overview of Sensitive Area
QMI-09-02-A
Segment 3:
Wyman Hydro to Larrabee Road
Androscoggin County
Structure
Direct APE
Access Road
Stream Flowline (NHD)
County Boundary
Historic Map Documented Structure
Historic Road Location
Current Survey Results
Sensitive Area
2018 Survey Results
Sensitive Area (Clement 2018a and b)
Resource NRHP Status
Not Eligible
Not Evaluated
Previously Surveyed (Clement 2018b)
Maine
Augusta


QMI-09-02-A
QMI-09-02
SA14-J1
T1-01
T1-02
T1-03
T2-01
T2-02
T2-03
QMI-10-01
New England Clean Energy Connect
NAD 1983 UTM 19N
1:3,000
0 25 50 75 100 125 150 m
Overview of Sensitive Area
QMI-09-02-A
Segment 3:
Wyman Hydro to Larrabee Road
Androscoggin County
Structure
Direct APE
Access Road
Stream Flowline (NHD)
Historic Map Documented Structure
Historic Road Location
Current Survey Results
Sensitive Area
Negative STP
Stone Wall
2018 Survey Results
Sensitive Area (Clement 2018a and b)
Previously Surveyed (Clement 2018b)
Maine
Augusta
SEARCH

QMI-10-01-A

Segment:		Segment 3, Wyman to Larrabee Road
County:		Androscoggin
Town:		Livermore Falls
USGS Quadrangle:		Livermore Falls
Coordinate (UTM 19N):	E (m)	408508
	N (m)	4917659
Size (ha):		3.4
Surveyors Initials:		BP, SW
Time Period:		Precontact / Postcontact
Basis for Sensitivity:		Terrace over major waterway / Proximity to mapped historic structure and road
Archaeological Resources Identified:		None
Mean Slope (percent):		1.7
Nearest Water:		Hunton Brook
Distance to Water (m):		2
Cultural Features Identified:		Recent removal of trailer park

Phase I Results

Number of Transects:	4
Total number of STs:	21 plus 9 auger tests (ATs) and 2 test units(TUs)
Number of Positive STs:	0
Recommendation:	No further work

Soils Data

Horizon	Munsell	Soil Texture	Inclusions		Average depth (cmbs)
Ap	10YR 3/4	Sa Lo	-	-	20
B	10YR 4/6	Sa	-	-	39
BC	10YR 6/6	M Sa	-	-	57
C	10YR 6/4	C Sa	-	-	75

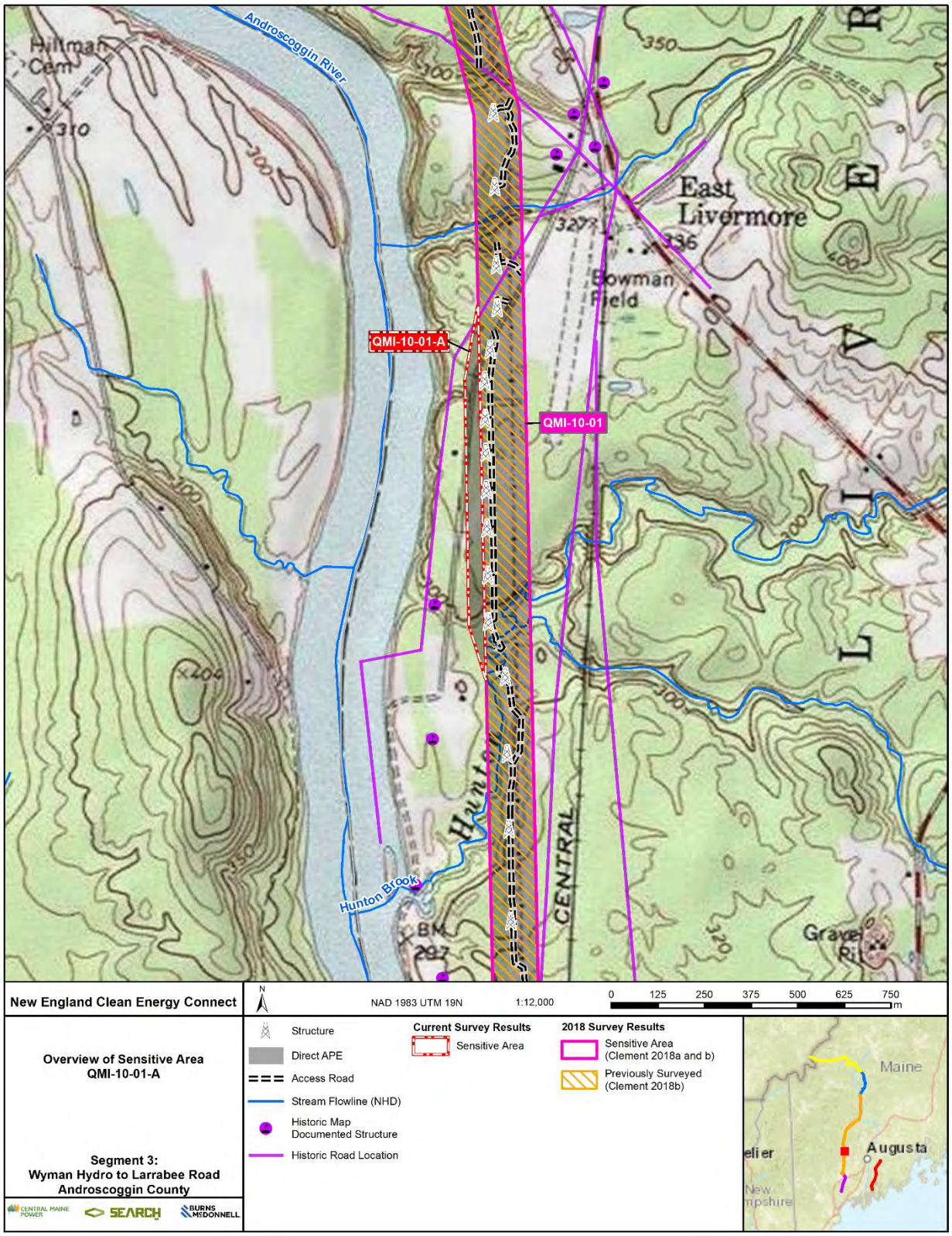
QMI-10-01-A straddles River Road. Soils are predominately loamy sands derived from glaciofluvial deposits (USDA 2020). North of River Road is a hummocky spruce forest with areas of hardwoods in the small patches of uplands. A deeply incised drainage flows west into the Androscoggin River just before River Road exits the SA. South of River Road, the SA becomes sandier and exhibits heavy utilization from agriculture, transmission lines, and timber management activities. Approximately 75 m (246 ft) south of River Road, the area contains fill, asphalt driveways and evidence of mechanical grading from a former trailer park extending south for approximately 500 m (1,640 ft) before terminating at a wetland boundary accompanied by an incised drainage associated with Hunton Brook.

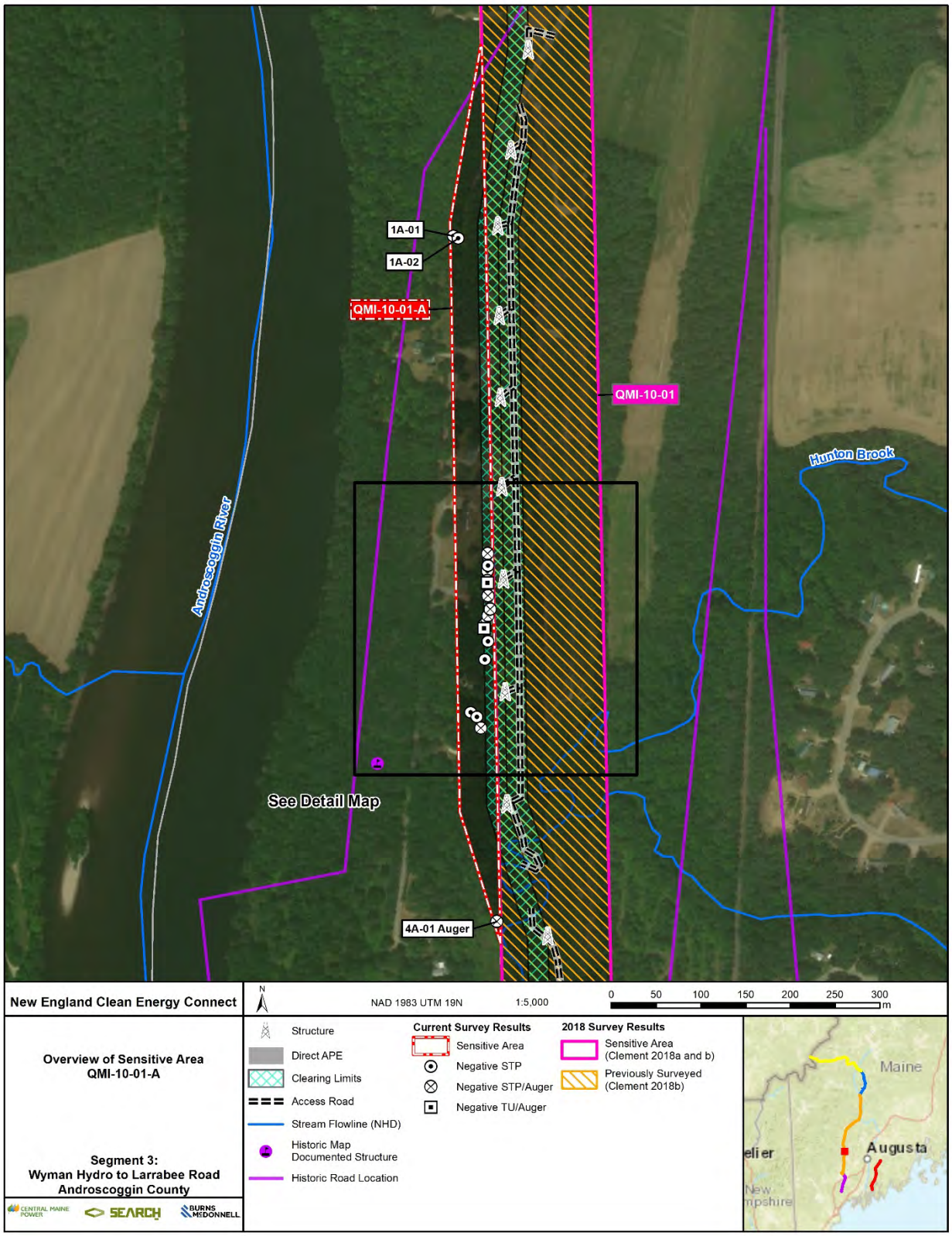
Because QMI-10-01-A is on a terrace overlooking the Androscoggin River, field crew excavated STs where the terrace was not incised, and where surface inspection and tube sampling indicated soils may be present, relatively intact, and well drained. Shovel testing was conducted in four areas. North of River Road, field crew surveyed one transect (ET-60 T1A), consisting of two STs, between the west-flowing drainage and River Road. South of River Road field crew surveyed three transects:

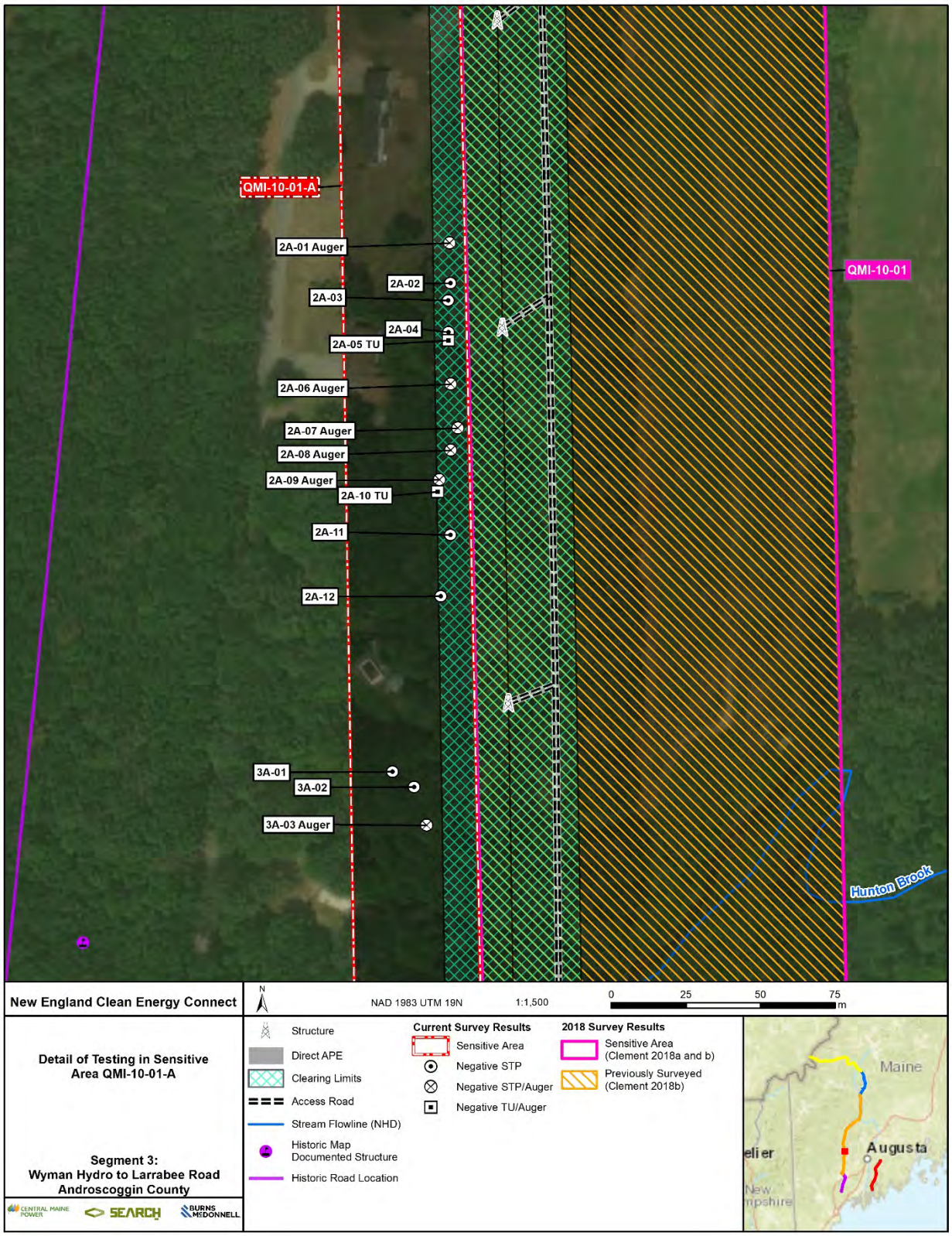
- Transect ET-60 T2A, consisting of 12 STs, was placed north to south along an elevated, flat area circumscribed by the trailer park to the west and previously surveyed APE to the east. Deep testing, consisting of nine ATs and two TUs was also conducted in association with Transect ET-60 T2A to determine if archaeological material may be present beneath the depths accessible to shovel testing.
- Transect ET-60 T3A, consisting of three STs, was placed across a sandy terrace landform overlooking wetlands associated with Hunton Brook.

- Transect ET-60 T4A, consisting of one ST, was placed on a small sandy rise adjacent to Hunton Brook.

No cultural materials or evidence that deeply buried cultural horizons may be present were observed in QMI-10-01-A. No further work is recommended.


Androscoggin River
Hillman Cem
East Livermore
Bowman Field
QMI-10-01-A
QMI-10-01
Hunton Brook
CENTRAL
Gravel Pit
New England Clean Energy Connect
NAD 1983 UTM 19N
1:12,000
0 125 250 375 500 625 750 m
Overview of Sensitive Area
QMI-10-01-A
Segment 3:
Wyman Hydro to Larrabee Road
Androscoggin County
Structure
Direct APE
Access Road
Stream Flowline (NHD)
Historic Map Documented Structure
Historic Road Location
Current Survey Results
Sensitive Area
2018 Survey Results
Sensitive Area (Clement 2018a and b)
Previously Surveyed (Clement 2018b)
Maine
Augusta
CENTRAL MAINE POWER
SEARCH
BURNS McDONNELL

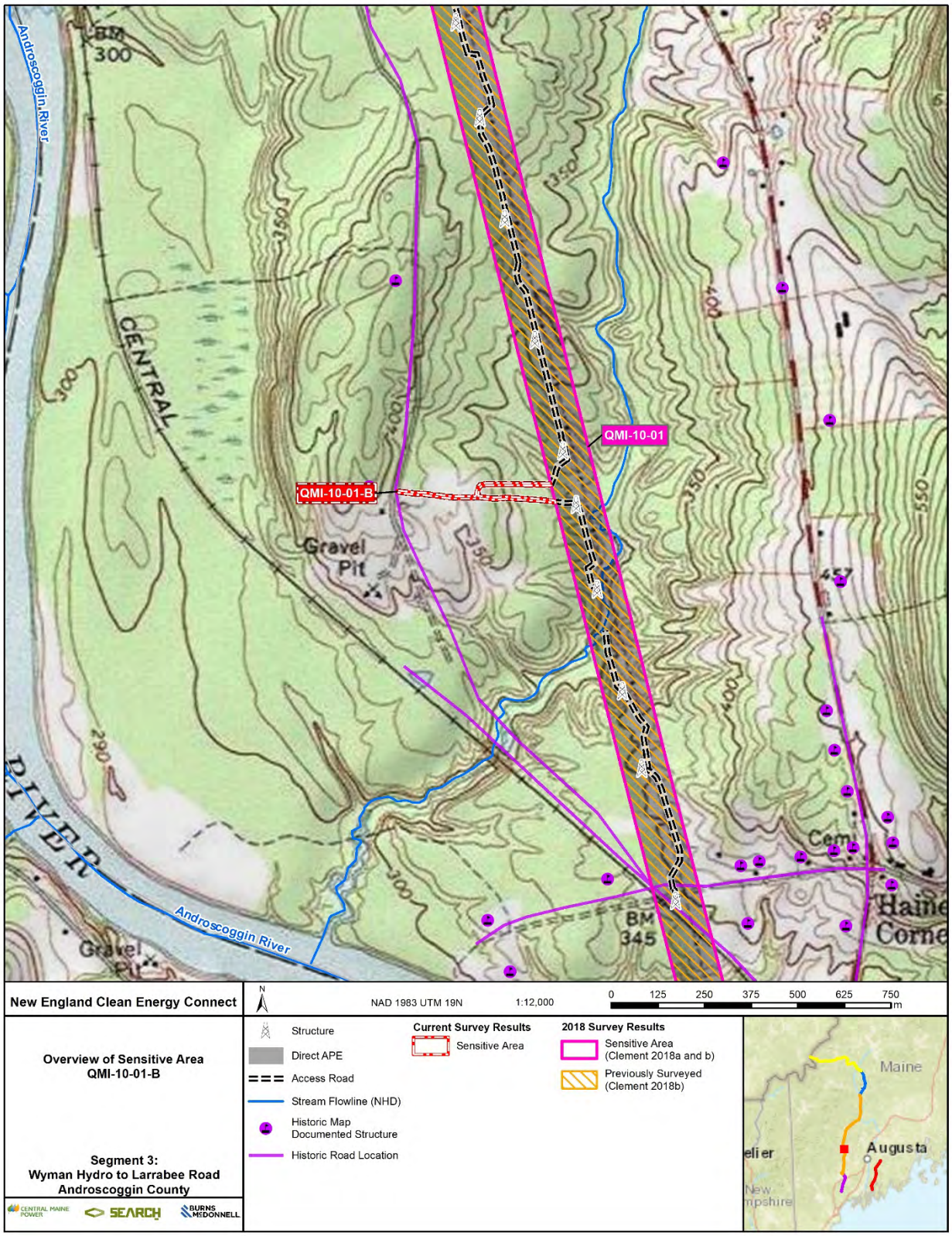

1A-01
1A-02
QMI-10-01-A
QMI-10-01
Hunton Brook
Androscoggin River
See Detail Map
4A-01 Auger
New England Clean Energy Connect
NAD 1983 UTM 19N
1:5,000
0 50 100 150 200 250 300 m
Overview of Sensitive Area
QMI-10-01-A
Segment 3:
Wyman Hydro to Larrabee Road
Androscoggin County
Structure
Direct APE
Clearing Limits
Access Road
Stream Flowline (NHD)
Historic Map Documented Structure
Historic Road Location
Current Survey Results
Sensitive Area
Negative STP
Negative STP/Auger
Negative TU/Auger
2018 Survey Results
Sensitive Area (Clement 2018a and b)
Previously Surveyed (Clement 2018b)
Maine
Augusta
CENTRAL MAINE POWER
SEARCH
BURNS McDONNELL

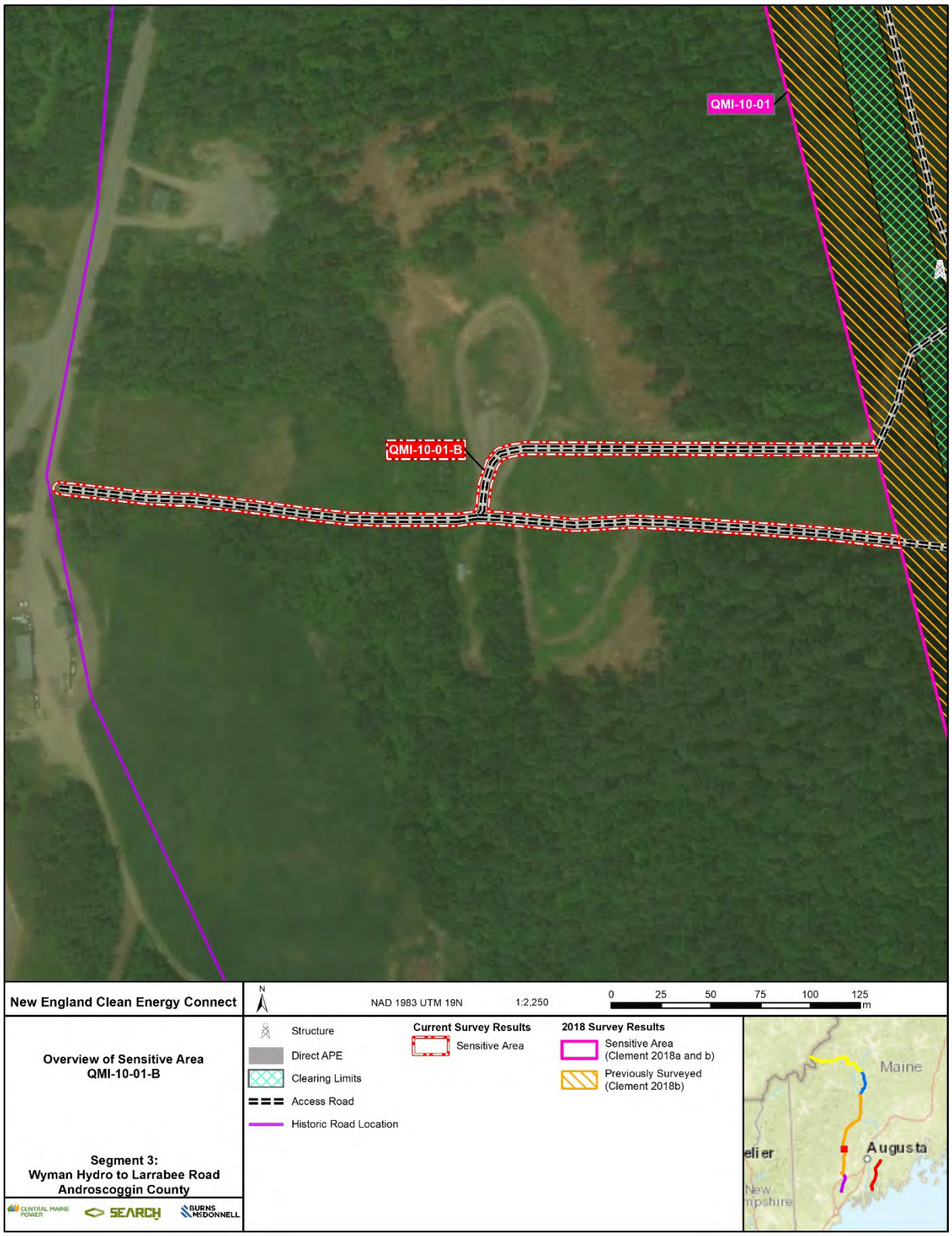

QMI-10-01-A
2A-01 Auger
2A-02
2A-03
2A-04
2A-05 TU
2A-06 Auger
2A-07 Auger
2A-08 Auger
2A-09 Auger
2A-10 TU
2A-11
2A-12
3A-01
3A-02
3A-03 Auger
QMI-10-01
Hunton Brook
New England Clean Energy Connect
NAD 1983 UTM 19N
1:1,500
0 25 50 75 m
Detail of Testing in Sensitive Area QMI-10-01-A
Segment 3:
Wyman Hydro to Larrabee Road
Androscoggin County
Structure
Direct APE
Clearing Limits
Access Road
Stream Flowline (NHD)
Historic Map Documented Structure
Historic Road Location
Current Survey Results
Sensitive Area
Negative STP
Negative STP/Auger
Negative TU/Auger
2018 Survey Results
Sensitive Area (Clement 2018a and b)
Previously Surveyed (Clement 2018b)
Maine
Augusta
CENTRAL MAINE POWER
SEARCH
BURNS McDONNELL

QMI-10-01-B

Segment:		Segment 3, Wyman Hydro to Larrabee Road
County:		Androscoggin
Town:		Livermore Falls
USGS Quadrangle:		Livermore Falls
Coordinate (UTM 19N):	E (m)	407874
	N (m)	4920423
Size (ha):		0.4
Surveyors Initials:		SW
Time Period:		Precontact / Postcontact
Basis for Sensitivity:		Terrace over perennial stream / Proximity to mapped historic road
Archaeological Resources Identified:		None
Mean Slope (percent):		3.0
Nearest Water:		Unnamed Stream
Distance to Water (m):		102
Cultural Features Identified:		None
	Phase I Results	
Number of Transects:		0
Total number of STs:		0
Number of Positive STs:		0
Recommendation:		No further work

QMI-10-01-B is an access road. Mapped soils are sandy to coarse silty deposits of glaciomarine and glaciolacustrine derivation (USDA 2020). The access road is on the southern side of an existing transmission corridor that connects the biomass facility to the ROW corridor. The area exhibits substantial machine modifications associated with the biomass facility and transmission corridor construction and maintenance. The vegetation of the surrounding terrain is predominately juniper, and the area exhibits mechanically modified benching and terracing. Bedrock exposure, strewn boulders, and push piles were observed in the northern margin of the gravel road. Stacked boulders from corridor construction characterize the southern margin. Field crews did not conduct subsurface testing due to the extent of mechanical disturbance. No further work is recommended.


Androscoggin River
BM 300
CENTRAL
QMI-10-01
QMI-10-01-B
Gravel Pit
DIVER
Androscoggin River
Gravel Pit
BM 345
Haine Corne
New England Clean Energy Connect
NAD 1983 UTM 19N
1:12,000
0 125 250 375 500 625 750 m
Overview of Sensitive Area
QMI-10-01-B
Segment 3:
Wyman Hydro to Larrabee Road
Androscoggin County
Structure
Direct APE
Access Road
Stream Flowline (NHD)
Historic Map Documented Structure
Historic Road Location
Current Survey Results
Sensitive Area
2018 Survey Results
Sensitive Area (Clement 2018a and b)
Previously Surveyed (Clement 2018b)
Maine
Augusta
CENTRAL MAINE POWER
SEARCH
BURNS McDONNELL


QMI-10-01
QMI-10-01-B
New England Clean Energy Connect
N
NAD 1983 UTM 19N
1:2,250
0 25 50 75 100 125 m
Overview of Sensitive Area
QMI-10-01-B
Segment 3:
Wyman Hydro to Larrabee Road
Androscoggin County
Structure
Direct APE
Clearing Limits
Access Road
Historic Road Location
Current Survey Results
Sensitive Area
2018 Survey Results
Sensitive Area
(Clement 2018a and b)
Previously Surveyed
(Clement 2018b)
Maine
Augusta
CENTRAL MAINE POWER
SEARCH
BURNS McDONNELL

QMI-14-01-A

Segment:		Segment 3, Wyman Hydro to Larrabee Road
County:		Androscoggin
Town:		Leeds
USGS Quadrangle:		Turner Center
Coordinate (UTM 19N):	E (m)	406941
	N (m)	4909893
Size (ha):		0.1
Surveyors Initials:		SW
Time Period:		Precontact / Postcontact
Basis for Sensitivity:		Knoll over large wetland / Proximity to mapped historic road
Archaeological Resources Identified:		None
Mean Slope (percent):		6.7
Nearest Water:		Unnamed Stream
Distance to Water (m):		769.0
Cultural Features Identified:		None
	Phase I Results	
Number of Transects:		0
Total number of STs:		0
Number of Positive STs:		0
Recommendation:		No further work

QMI-10-14-A is an access road. Mapped soils are thin drift deposits of loamy sand derived from glaciofluvial material and loamy till (Smith and Thompson 2008, USDA 2020). The access road is an existing gravel road on the northern edge of the Fish Street substation. The area exhibits heavy machine modifications associated with the construction and maintenance of the substation and transmission corridor. Field crew did not conduct subsurface testing due to the extent of mechanical disturbance. No further work is recommended.

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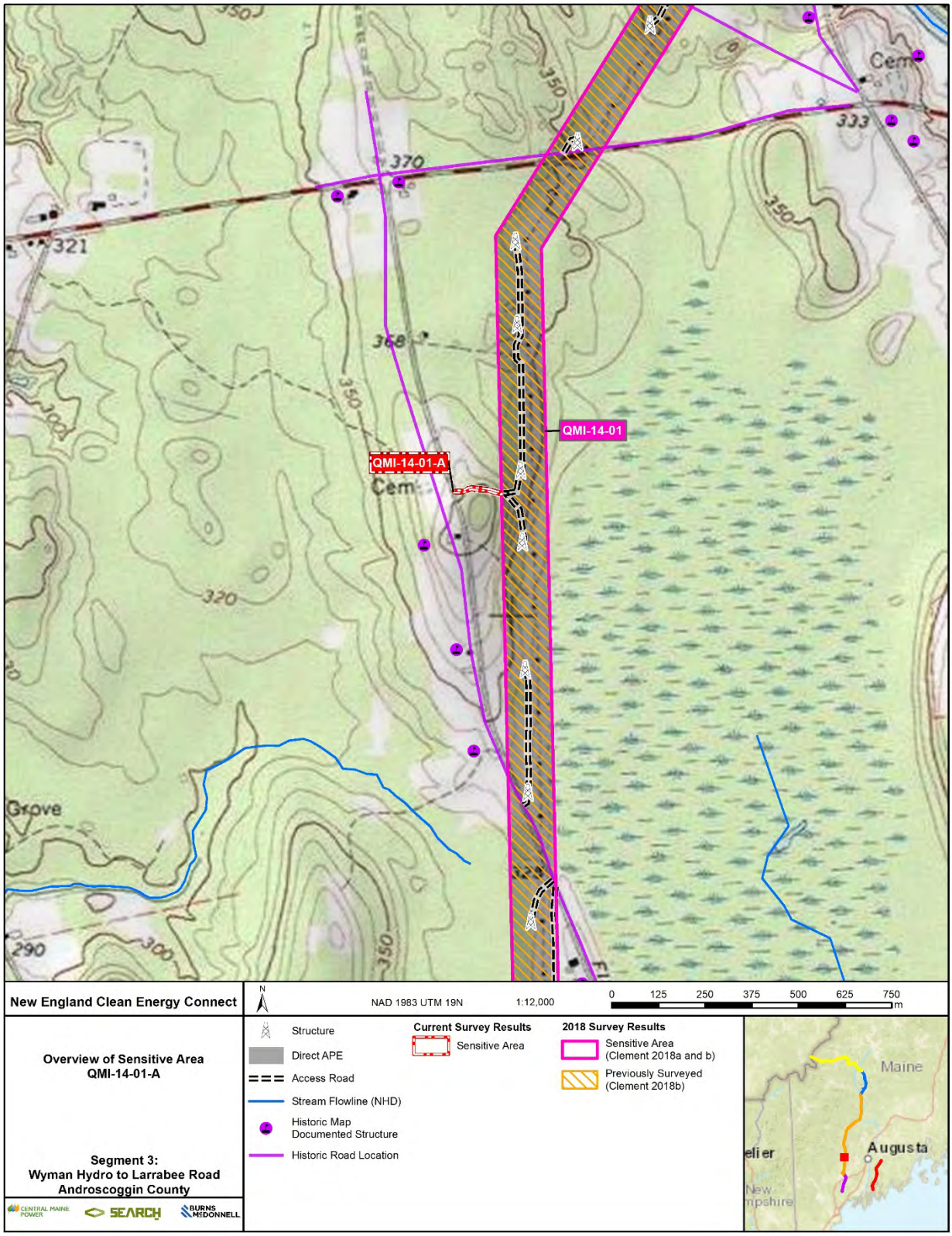
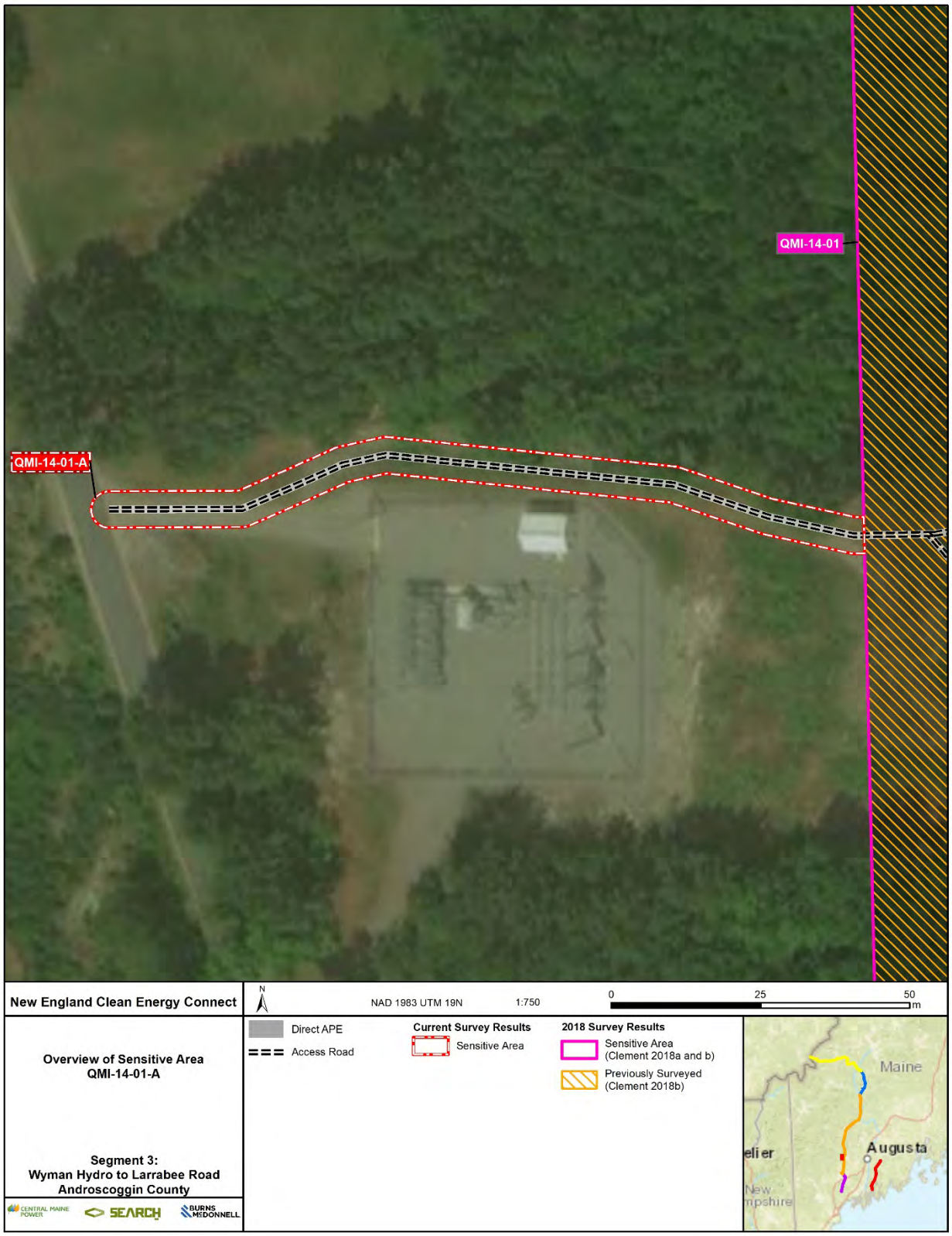
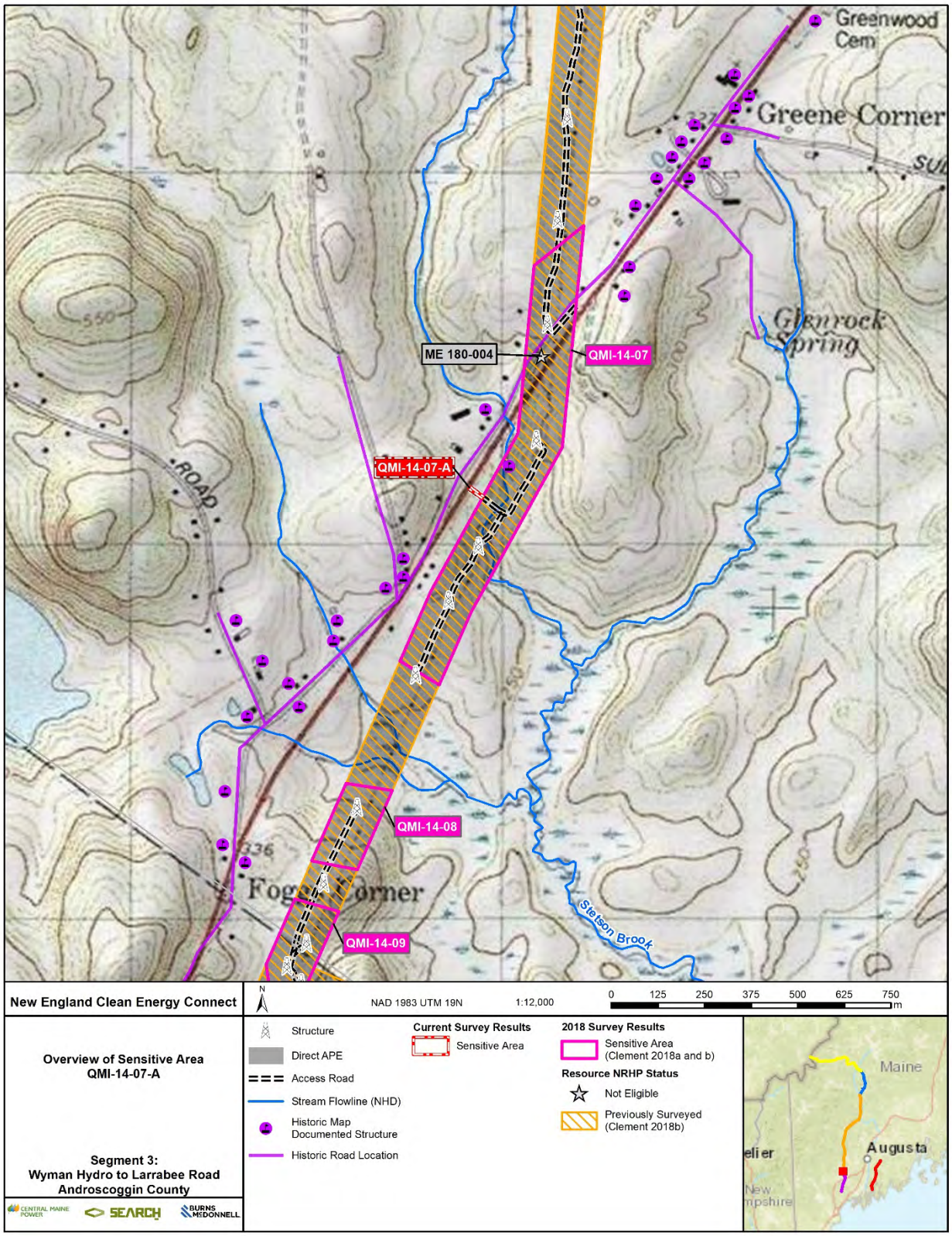

QMI-14-01
QMI-14-01-A
Cem
Grove
370
321
368
350
333
320
290
300
New England Clean Energy Connect
NAD 1983 UTM 19N
1:12,000
0 125 250 375 500 625 750 m
Overview of Sensitive Area
QMI-14-01-A
Segment 3:
Wyman Hydro to Larrabee Road
Androscoggin County
Structure
Direct APE
Access Road
Stream Flowline (NHD)
Historic Map Documented Structure
Historic Road Location
Current Survey Results
Sensitive Area
2018 Survey Results
Sensitive Area (Clement 2018a and b)
Previously Surveyed (Clement 2018b)
Maine
Augusta
CENTRAL MAINE POWER
SEARCH
BURNS McDONNELL

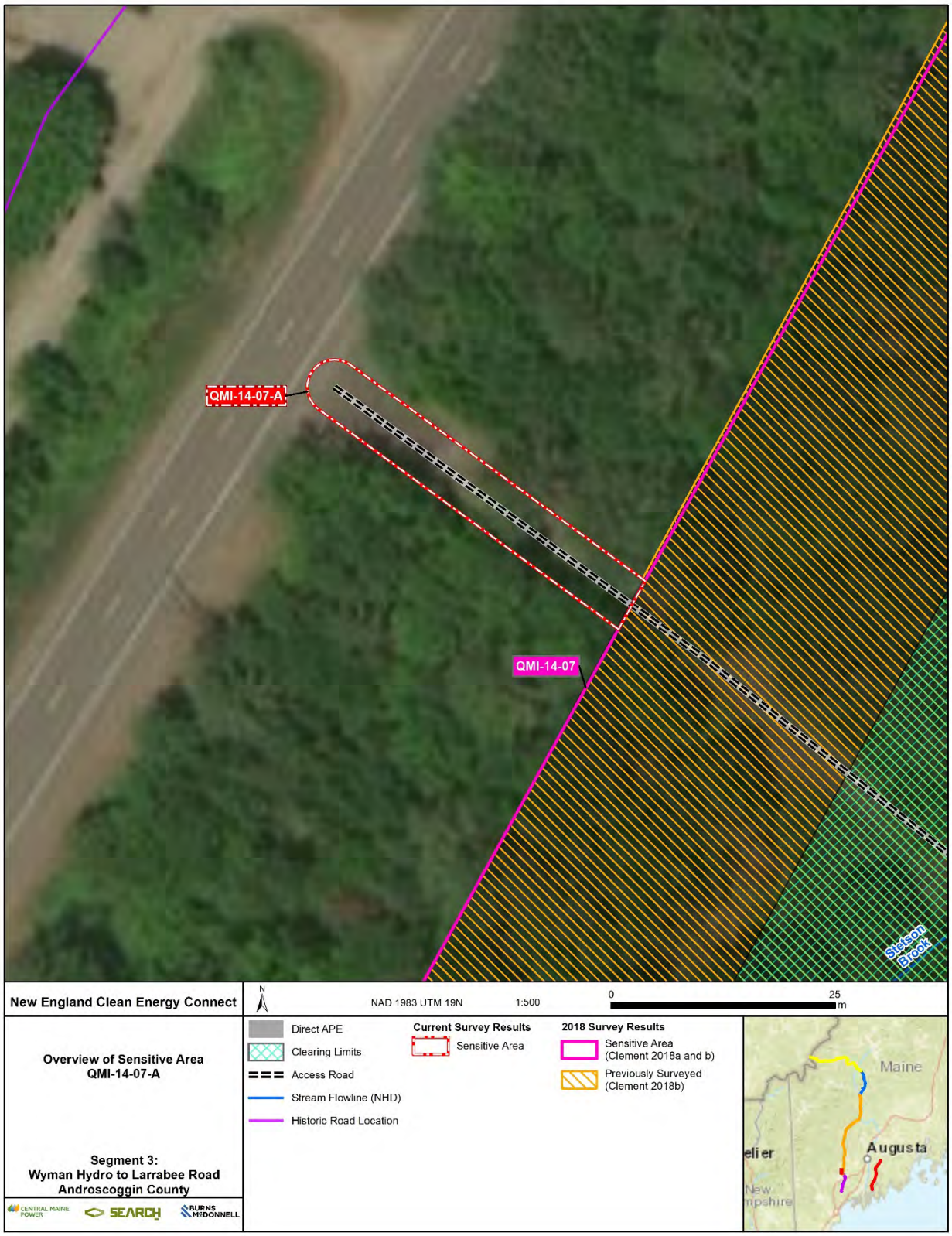

QMI-14-01
QMI-14-01-A
New England Clean Energy Connect
N
NAD 1983 UTM 19N
1:750
0
25
50
m
Direct APE
Access Road
Current Survey Results
Sensitive Area
2018 Survey Results
Sensitive Area
(Clement 2018a and b)
Previously Surveyed
(Clement 2018b)
Overview of Sensitive Area
QMI-14-01-A
Segment 3:
Wyman Hydro to Larrabee Road
Androscoggin County
CENTRAL MAINE POWER
SEARCH
BURNS McDONNELL
Maine
Augusta

QMI-14-07-A

Segment:		Segment 3, Wyman Hydro to Larrabee Road
County:		Androscoggin
Town:		Greene
USGS Quadrangle:		Lake Auburn East
Coordinate (UTM 19N):	E (m)	405971
	N (m)	4891352
Size (ha):		0
Surveyors Initials:		SW
Time Period:		Precontact / Postcontact
Basis for Sensitivity:		Terrace over perennial stream / Proximity to mapped historic road
Archaeological Resources Identified:		None
Mean Slope (percent):		1.4
Nearest Water:		Stetson Brook
Distance to Water (m):		50
Cultural Features Identified:		None
	Phase I Results	
Number of Transects:		0
Total number of STs:		0
Number of Positive STs:		0
Recommendation:		No further work

QMI-14-07-A is an access road. Soils are a silty loam derived from glaciomarine and supraglacial till (USDA 2020). The access road is maintained and gated with evidence of mechanical grading throughout with push piles noted at the northern edge, adjacent to US Route 202 (US 202), forming the embankment for the access road. Field crew did not conduct subsurface testing due to the extent of mechanical disturbance. No further work is recommended.

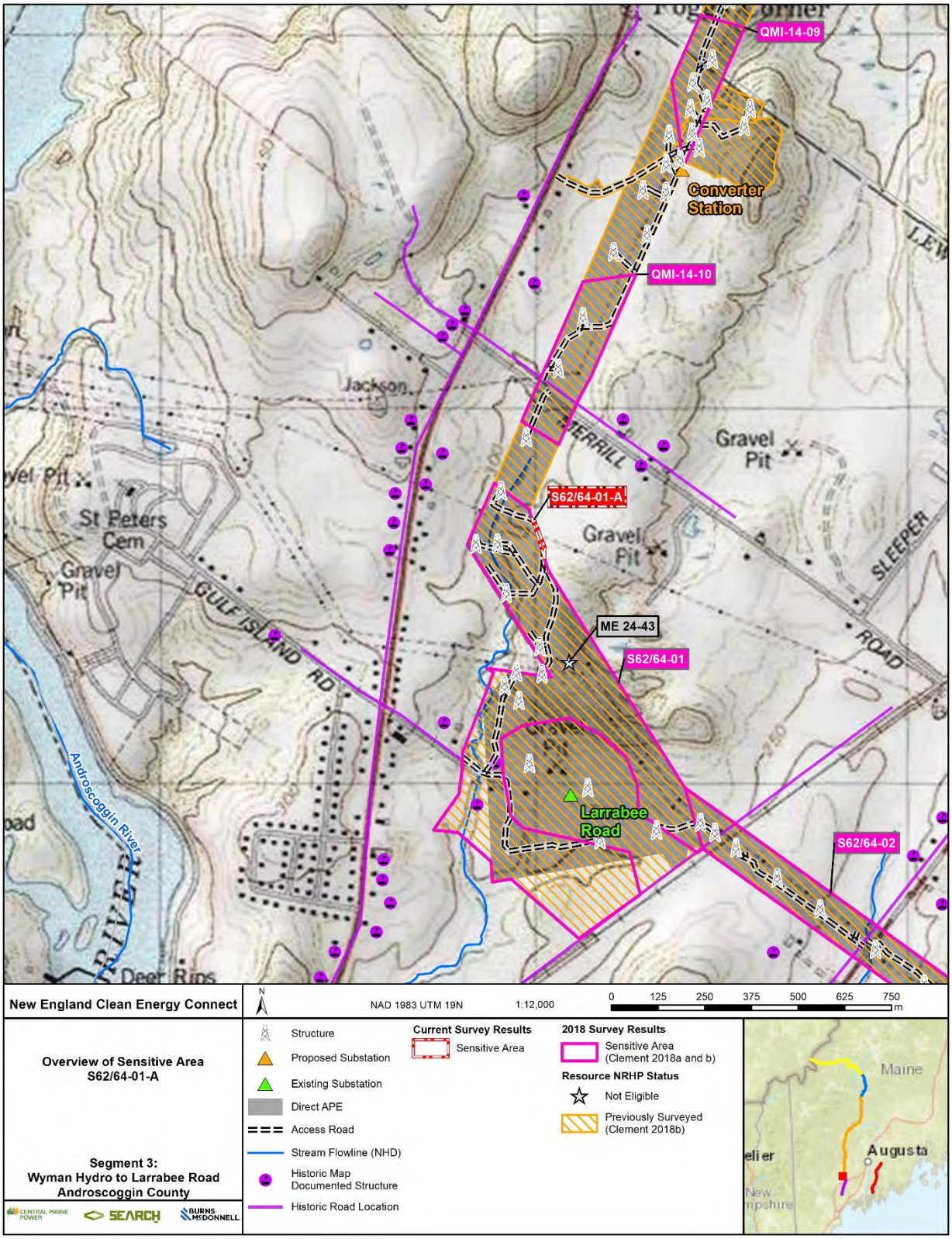

Greenwood Cem
Greene Corner
Glenrock Spring
ME 180-004
QMI-14-07
QMI-14-07-A
QMI-14-08
QMI-14-09
Fogg Corner
Stetson Brook
ROAD
New England Clean Energy Connect
NAD 1983 UTM 19N
1:12,000
0 125 250 375 500 625 750 m
Overview of Sensitive Area
QMI-14-07-A
Segment 3:
Wyman Hydro to Larrabee Road
Androscoggin County
Structure
Direct APE
Access Road
Stream Flowline (NHD)
Historic Map Documented Structure
Historic Road Location
Current Survey Results
Sensitive Area
2018 Survey Results
Sensitive Area (Clement 2018a and b)
Resource NRHP Status
Not Eligible
Previously Surveyed (Clement 2018b)
Maine
Augusta
CENTRAL MAINE POWER
SEARCH
BURNS McDONNELL

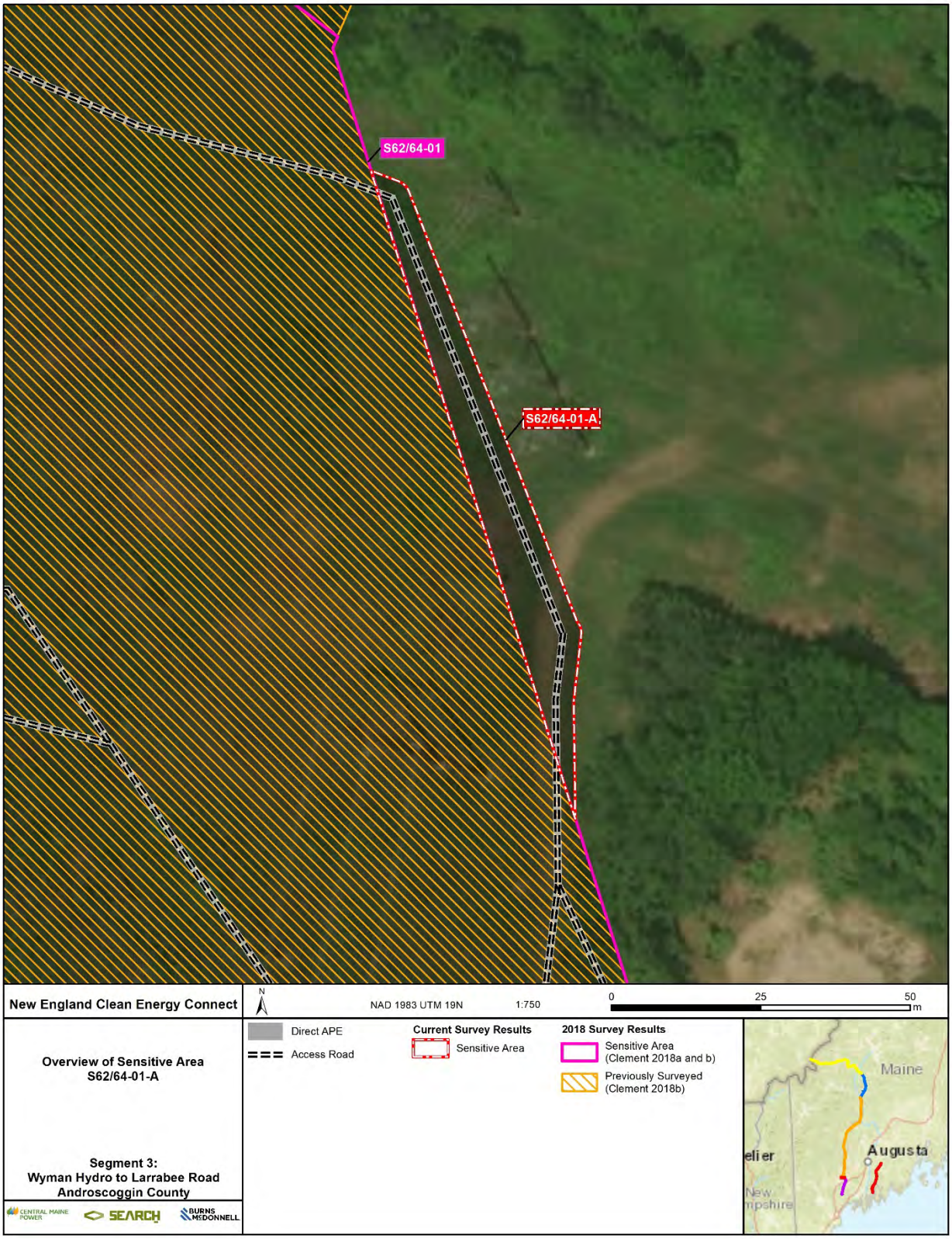

QMI-14-07-A
QMI-14-07
Stetson Brook
New England Clean Energy Connect
N
NAD 1983 UTM 19N
1:500
0
25
m
Overview of Sensitive Area
QMI-14-07-A
Segment 3:
Wyman Hydro to Larrabee Road
Androscoggin County
Direct APE
Clearing Limits
Access Road
Stream Flowline (NHD)
Historic Road Location
Current Survey Results
Sensitive Area
2018 Survey Results
Sensitive Area
(Clement 2018a and b)
Previously Surveyed
(Clement 2018b)
Maine
Augusta
CENTRAL MAINE POWER
SEARCH
BURNS McDONNELL

S62/64-01-A

Segment:		Segment 3, Wyman Hydro to Larrabee Road
County:		Androscoggin
Town:		Lewiston
USGS Quadrangle:		Lake Auburn East
Coordinate (UTM 19N):	E (m)	405052
	N (m)	4888862
Size (ha):		0.1
Surveyors Initials:		SW
Time Period:		Precontact
Basis for Sensitivity:		Terrace over intermittent stream
Archaeological Resources Identified:		None
Mean Slope (percent):		3.3
Nearest Water:		Unnamed Stream
Distance to Water (m):		88
Cultural Features Identified:		None
	Phase I Results	
Number of Transects:		0
Total number of STs:		0
Number of Positive STs:		0
Recommendation:		No further work

S62/64-01-A is an access road within an existing transmission corridor. Soils are loamy sands to gravelly sandy loams derived from sandy-skeletal glaciofluvial deposits (USDA 2020). The area shows evidence of mechanical disturbances associated with the corridor construction. The southern portion of the SA is characterized by a bedrock exposure, whereas the northern part is low-lying and saturated. Based on the results of the reconnaissance survey, field crew conducted no subsurface testing. No further work is recommended.

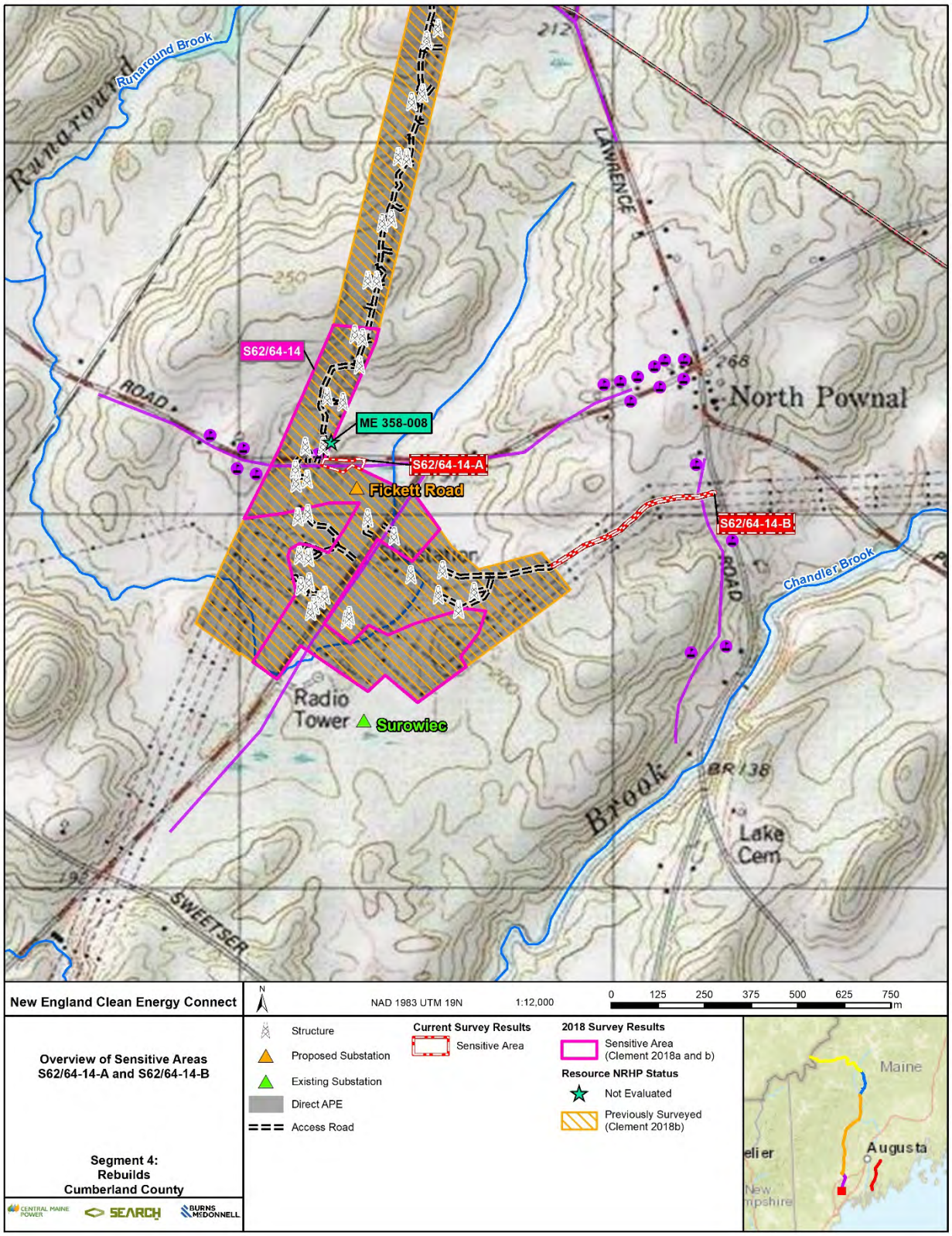

QMI-14-09
Converter Station
QMI-14-10
Jackson
MERRILL
Gravel Pit
S62/64-01-A
St Peters Cem
Gravel Pit
Gravel Pit
SLEEPER
ROAD
GULF ISLAND RD
ME 24-43
S62/64-01
Androscoggin River
Larrabee Road
S62/64-02
Deer Rips
New England Clean Energy Connect
N
NAD 1983 UTM 19N
1:12,000
0 125 250 375 500 625 750 m
Overview of Sensitive Area
S62/64-01-A
Segment 3:
Wyman Hydro to Larrabee Road
Androscoggin County
Structure
Proposed Substation
Existing Substation
Direct APE
Access Road
Stream Flowline (NHD)
Historic Map Documented Structure
Historic Road Location
Current Survey Results
Sensitive Area
2018 Survey Results
Sensitive Area (Clement 2018a and b)
Resource NRHP Status
Not Eligible
Previously Surveyed (Clement 2018b)
Maine
Augusta
CENTRAL MAINE POWER
SEARCH
BURNS McDONNELL

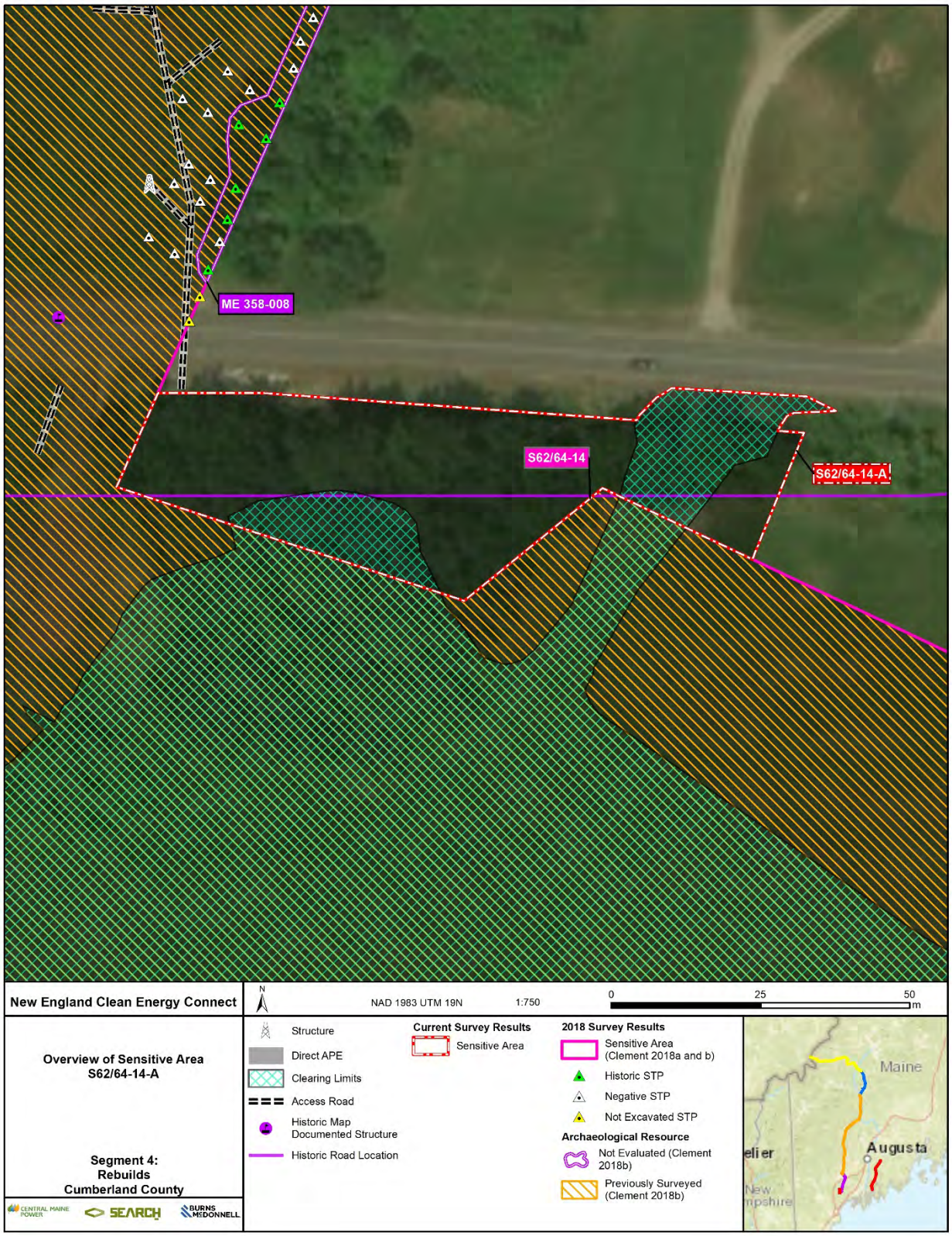

S62/64-01
S62/64-01-A
New England Clean Energy Connect
N
NAD 1983 UTM 19N
1:750
0
25
50
m
Overview of Sensitive Area
S62/64-01-A
Segment 3:
Wyman Hydro to Larrabee Road
Androscoggin County
Direct APE
Access Road
Current Survey Results
Sensitive Area
2018 Survey Results
Sensitive Area
(Clement 2018a and b)
Previously Surveyed
(Clement 2018b)
Maine
Augusta
CENTRAL MAINE POWER
SEARCH
BURNS McDONNELL

S62/64-14-A

Segment:		Segment 4, Rebuilds
County:		Cumberland
Town:		Pownal
USGS Quadrangle:		North Pownal
Coordinate (UTM 19N):	E (m)	403324
	N (m)	4865351
Size (ha):		0.3
Surveyors Initials:		SW
Time Period:		Precontact / Postcontact
Basis for Sensitivity:		Terrace over perennial stream / proximity to known postcontact site / proximity to mapped historic structure and road
Archaeological Resources Identified:		None
Mean Slope (percent):		5.1
Nearest Water:		Runaround Brook
Distance to Water (m):		72
Cultural Features Identified:		None
	Phase I Results	
Number of Transects:		0
Total number of STs:		0
Number of Positive STs:		0
Recommendation:		No further work

S62/64-14-A is characterized by active agricultural fields and an existing transmission corridor. Soils in the central portion of the SA are rocky loams that formed on supraglacial till. The eastern and western ends of the SA are silty loams on glaciomarine deposits (USDA 2020). The portion of the SA adjacent to Fickett Road exhibits mechanical disturbances associated with road construction and maintenance. Push piles generated by agricultural use characterize the southern margin of the SA. Overall, the SA displays uneven terrain that slopes to the south, ending in an agricultural field. Vegetation is predominately pine. Borrow pits that likely represent materials removed for road construction or local landowner use are in the northwestern corner of the SA adjacent to Fickett Road, in the central portion, and in the southwestern corner. No historic or prehistoric surface features were identified within the SA and no further work is recommended.

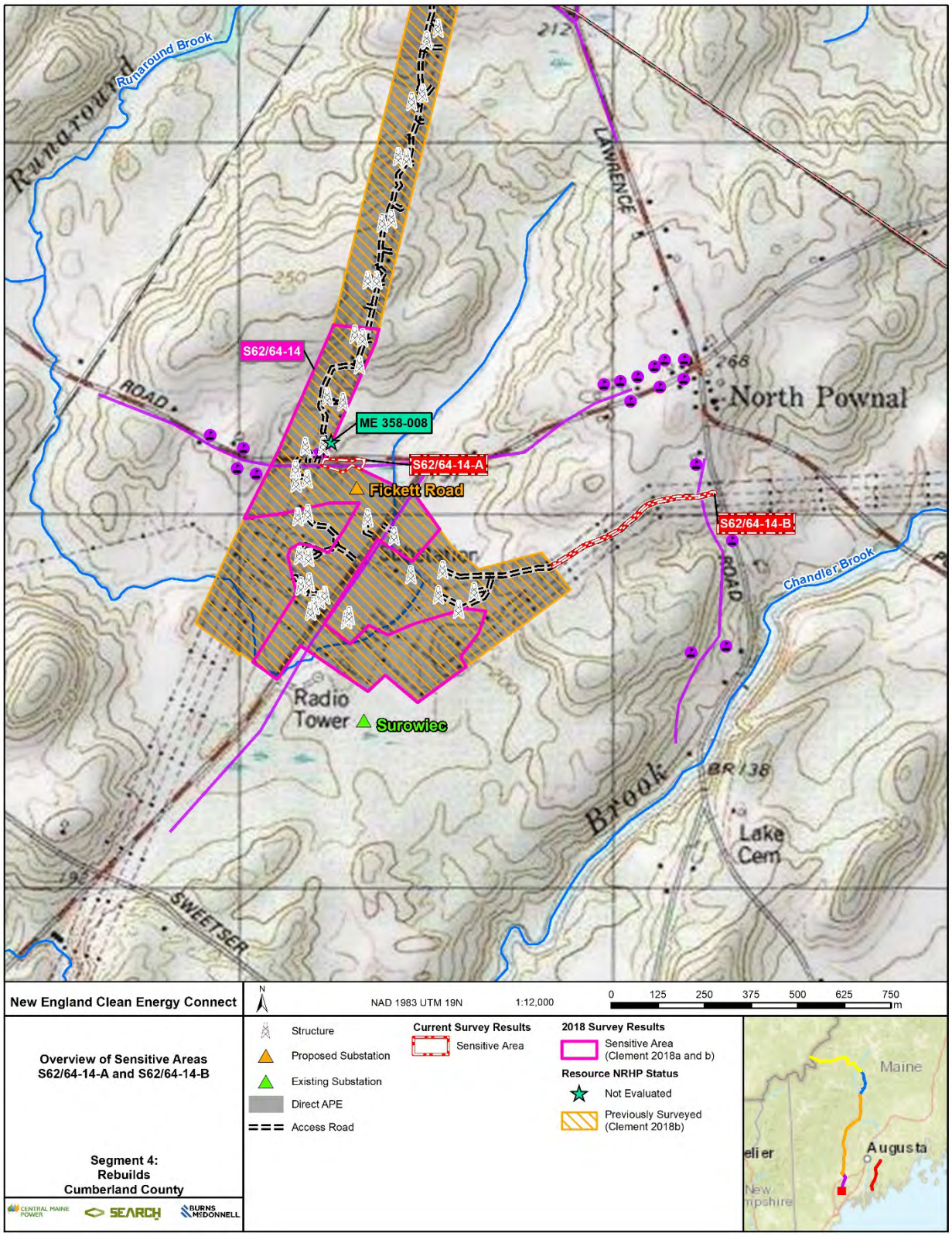

Runaround Brook
Runaround
LAWRENCE
ROAD
S62/64-14
ME 358-008
S62/64-14-A
Fickett Road
North Pownal
S62/64-14-B
Chandler Brook
Radio Tower
Surowiec
Brook
BR 138
Lake Cem
SWEETSER
New England Clean Energy Connect
NAD 1983 UTM 19N
1:12,000
0 125 250 375 500 625 750 m
Overview of Sensitive Areas S62/64-14-A and S62/64-14-B
Segment 4: Rebuilds Cumberland County
Structure
Proposed Substation
Existing Substation
Direct APE
Access Road
Current Survey Results
Sensitive Area
2018 Survey Results
Sensitive Area (Clement 2018a and b)
Resource NRHP Status
Not Evaluated
Previously Surveyed (Clement 2018b)
Maine
Augusta
CENTRAL MAINE POWER
SEARCH
BURNS McDONNELL

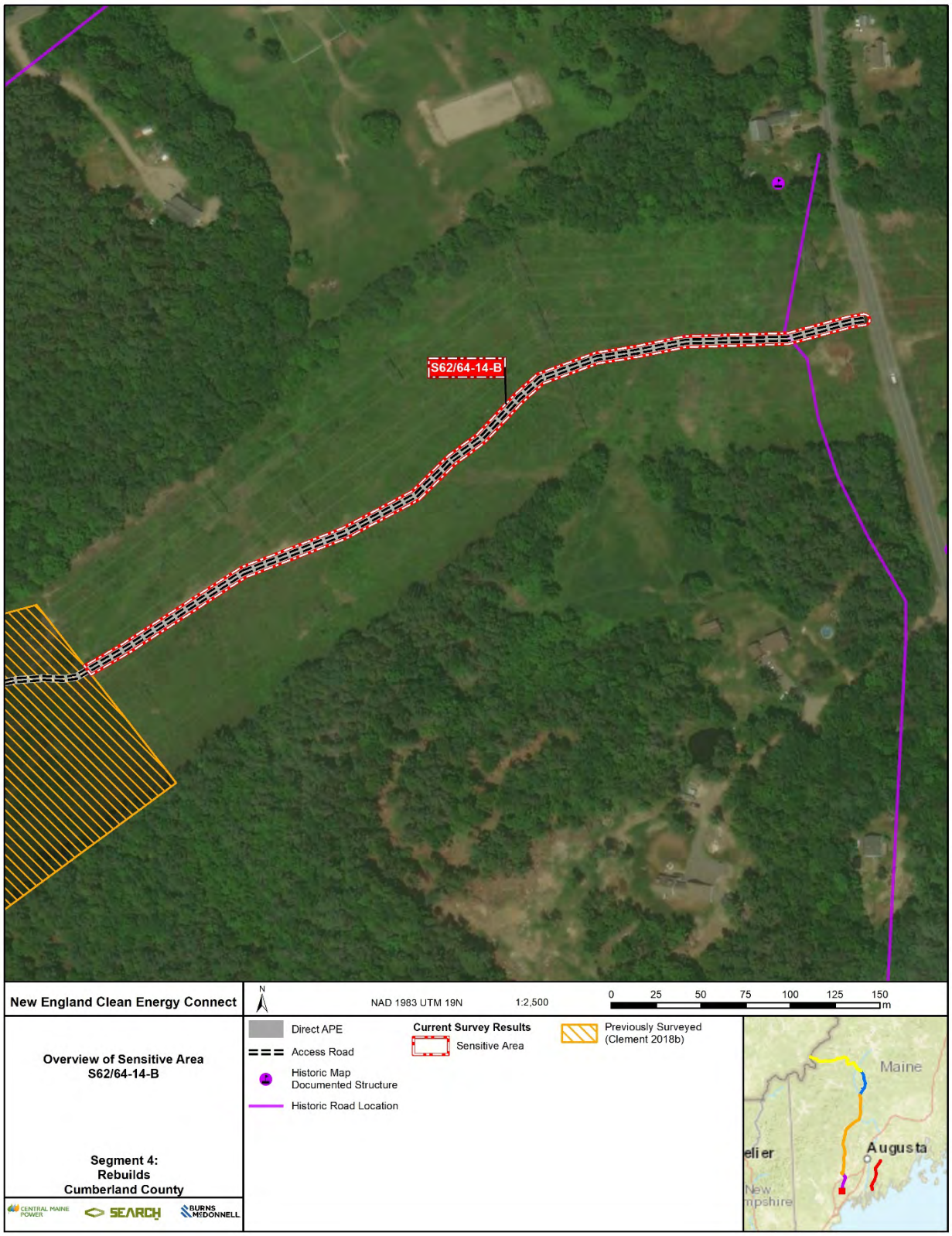

ME 358-008
S62/64-14
S62/64-14-A
New England Clean Energy Connect
N
NAD 1983 UTM 19N
1:750
0
25
50
m
Overview of Sensitive Area
S62/64-14-A
Segment 4:
Rebuilds
Cumberland County
Structure
Direct APE
Clearing Limits
Access Road
Historic Map Documented Structure
Historic Road Location
Current Survey Results
Sensitive Area
2018 Survey Results
Sensitive Area (Clement 2018a and b)
Historic STP
Negative STP
Not Excavated STP
Archaeological Resource
Not Evaluated (Clement 2018b)
Previously Surveyed (Clement 2018b)
Maine
Augusta
CENTRAL MAINE POWER
SEARCH
BURNS McDONNELL

S62/64-14-B

Segment:		Segment 4, Rebuilds
County:		Cumberland
Town:		Pownal
USGS Quadrangle:		North Pownal
Coordinate (UTM 19N):	E (m)	404099
	N (m)	4865187
Size (ha):		0.3
Surveyors Initials:		SW
Time Period:		Postcontact
Basis for Sensitivity:		proximity to mapped historic structure and road
Archaeological Resources Identified:		None
Mean Slope (percent):		4.3
Nearest Water:		Chandler Brook
Distance to Water (m):		332
Cultural Features Identified:		None
	Phase I Results	
Number of Transects:		0
Total number of STs:		0
Number of Positive STs:		0
Recommendation:		No further work

S62/64-14-B is an access road. Soils vary within the SA, with areas at higher elevation characterized by rocky to very rocky loams formed on supraglacial and lodgment tills, and areas at lower elevation characterized by silty loams that formed on glaciomarine and fine glaciolacustrine deposits (USDA 2020). The access road is a preexisting road within a transmission corridor and shows evidence of mechanical disturbances associated with the corridor construction and maintenance. The surrounding terrain is variable and uneven. It consists of briar and juniper vegetation, mechanically disturbed boulders and push-piles, and evidence of all-terrain vehicle use in the form of rutting and compaction. Based on the results of the reconnaissance survey, field crew did not conduct any subsurface testing. No further work is recommended.

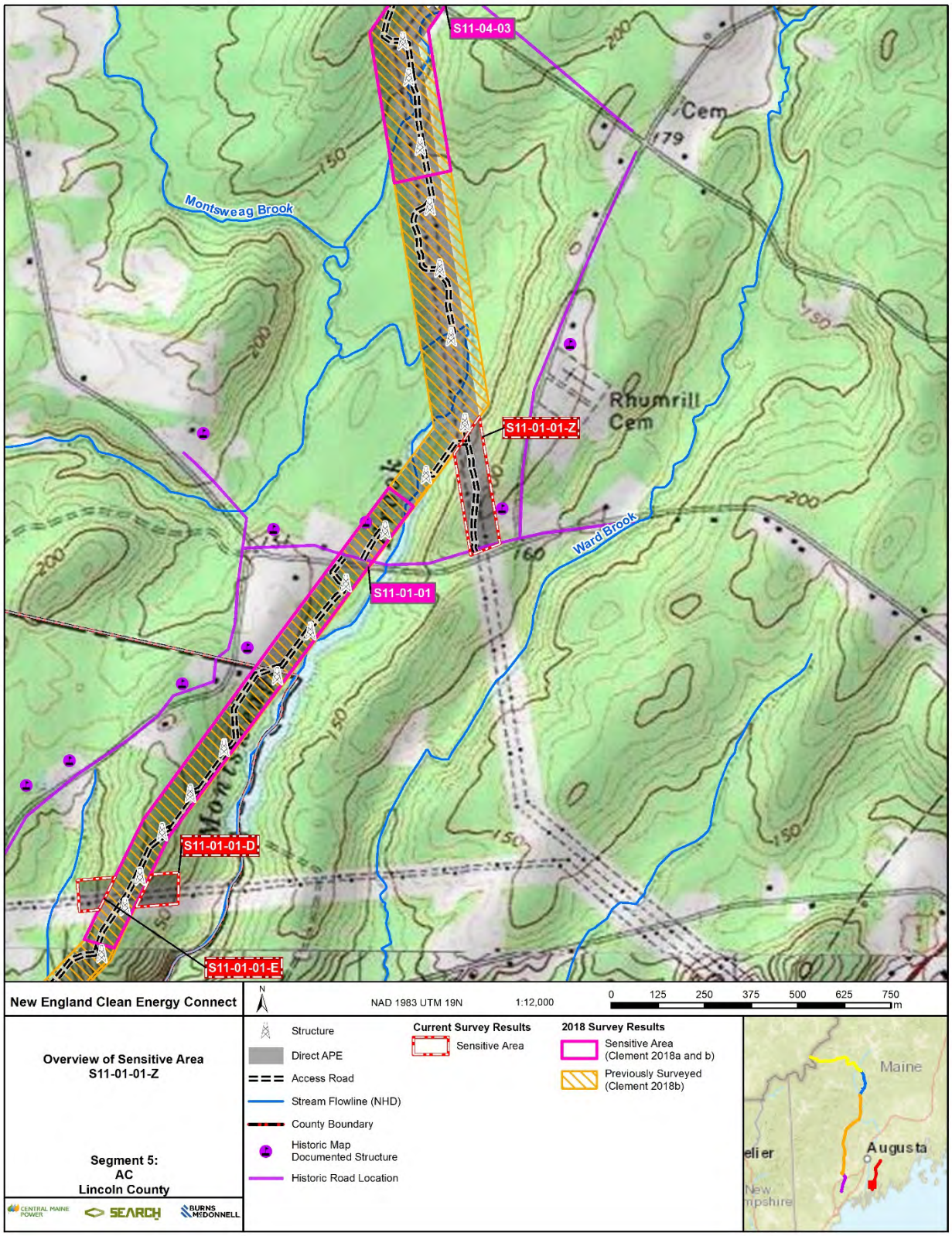

Runaround Brook
Runaround
LAWRENCE
ROAD
S62/64-14
ME 358-008
S62/64-14-A
Fickett Road
North Pownal
S62/64-14-B
Chandler Brook
Radio Tower
Surowiec
Brook
BR 138
Lake Cem
SWEETSER
New England Clean Energy Connect
NAD 1983 UTM 19N
1:12,000
0 125 250 375 500 625 750 m
Overview of Sensitive Areas S62/64-14-A and S62/64-14-B
Segment 4: Rebuilds Cumberland County
Structure
Proposed Substation
Existing Substation
Direct APE
Access Road
Current Survey Results
Sensitive Area
2018 Survey Results
Sensitive Area (Clement 2018a and b)
Resource NRHP Status
Not Evaluated
Previously Surveyed (Clement 2018b)
Maine
Augusta
CENTRAL MAINE POWER
SEARCH
BURNS McDONNELL

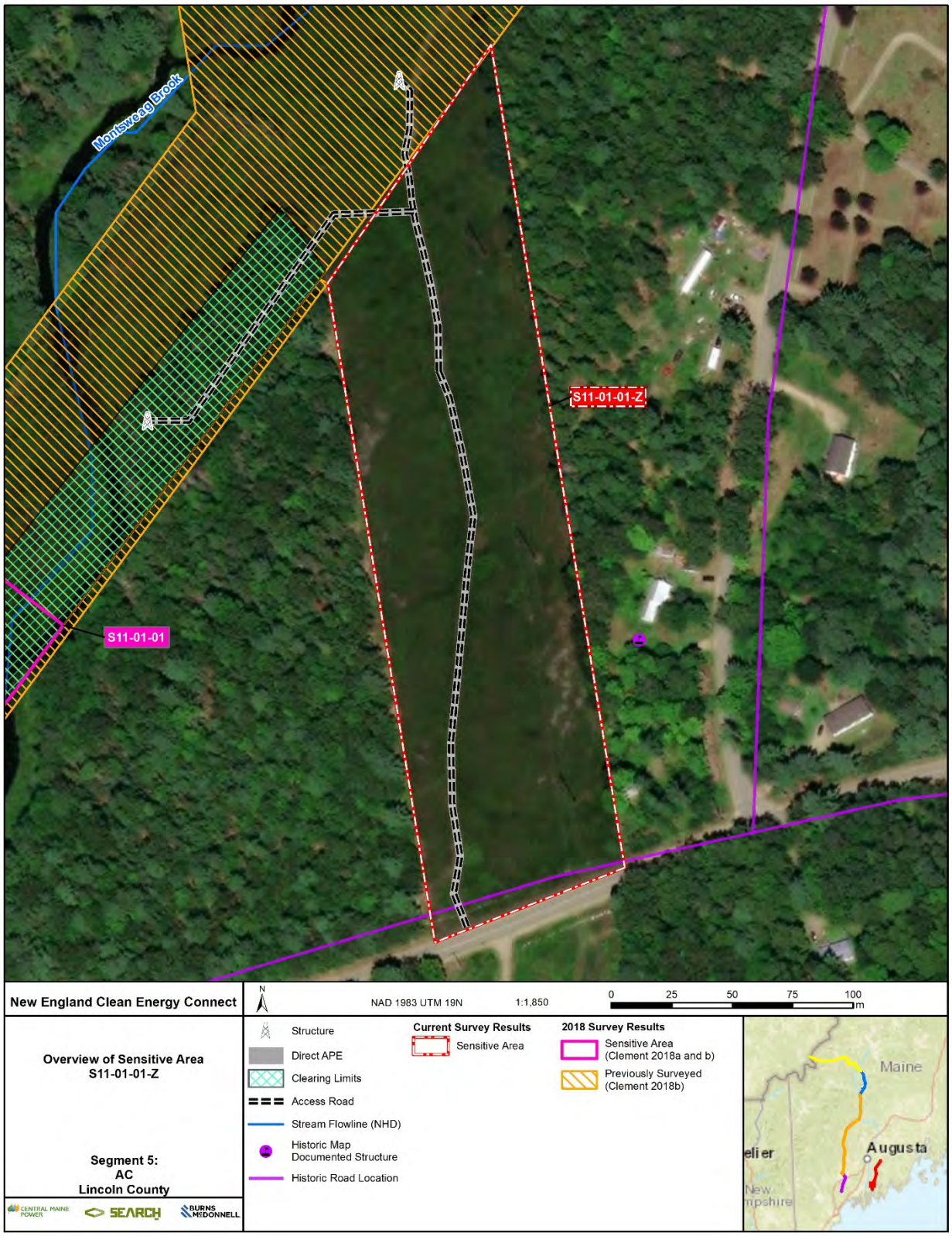

S62/64-14-B
New England Clean Energy Connect
N
NAD 1983 UTM 19N
1:2,500
0 25 50 75 100 125 150 m
Overview of Sensitive Area
S62/64-14-B
Segment 4:
Rebuilds
Cumberland County
Direct APE
Access Road
Historic Map Documented Structure
Historic Road Location
Current Survey Results
Sensitive Area
Previously Surveyed (Clement 2018b)
Maine
Augusta
CENTRAL MAINE POWER
SEARCH
BURNS McDONNELL

S11-01-01-Z

Segment:		Segment 5, AC
County:		Lincoln
Town:		Wiscasset
USGS Quadrangle:		Wiscasset
Coordinate (UTM 19N):	E (m)	444358
	N (m)	4873354
Size (ha):		2.6
Surveyors Initials:		BP, SW
Time Period:		Precontact / Postcontact
Basis for Sensitivity:		Terrace over brook / proximity to mapped historic structure and road
Archaeological Resources Identified:		None
Mean Slope (percent):		8.1
Nearest Water:		Montsweag Brook
Distance to Water (m):		70
Cultural Features Identified:		None
	Phase I Results	
Number of Transects:		0
Total number of STs:		0
Number of Positive STs:		0
Recommendation:		No further work

SA S11-01-01-Z is a segment of the ROW and an access road. Soils become gradually rockier towards the southern end of the SA, consisting of gravelly fine sandy loams formed on sandy glaciofluvial deposits to rocky fine sandy loams formed on loamy supraglacial till deposits (USDA 2020). A north–south trending bedrock outcrop dominates the southeastern and central portions of the SA. West-facing, moderately sloped terrain with mechanical disturbance surrounds the outcrop. Soils are shallow, based on probing, averaging 5 cm (2 in) thick. Recreational vehicle activity is evident along an abandoned access road, whereas dense juniper scrub within the cleared ROW indicates previous disturbance or shallow soils. Based on the results of the reconnaissance survey, subsurface testing was unnecessary in the SA and no further work is recommended.

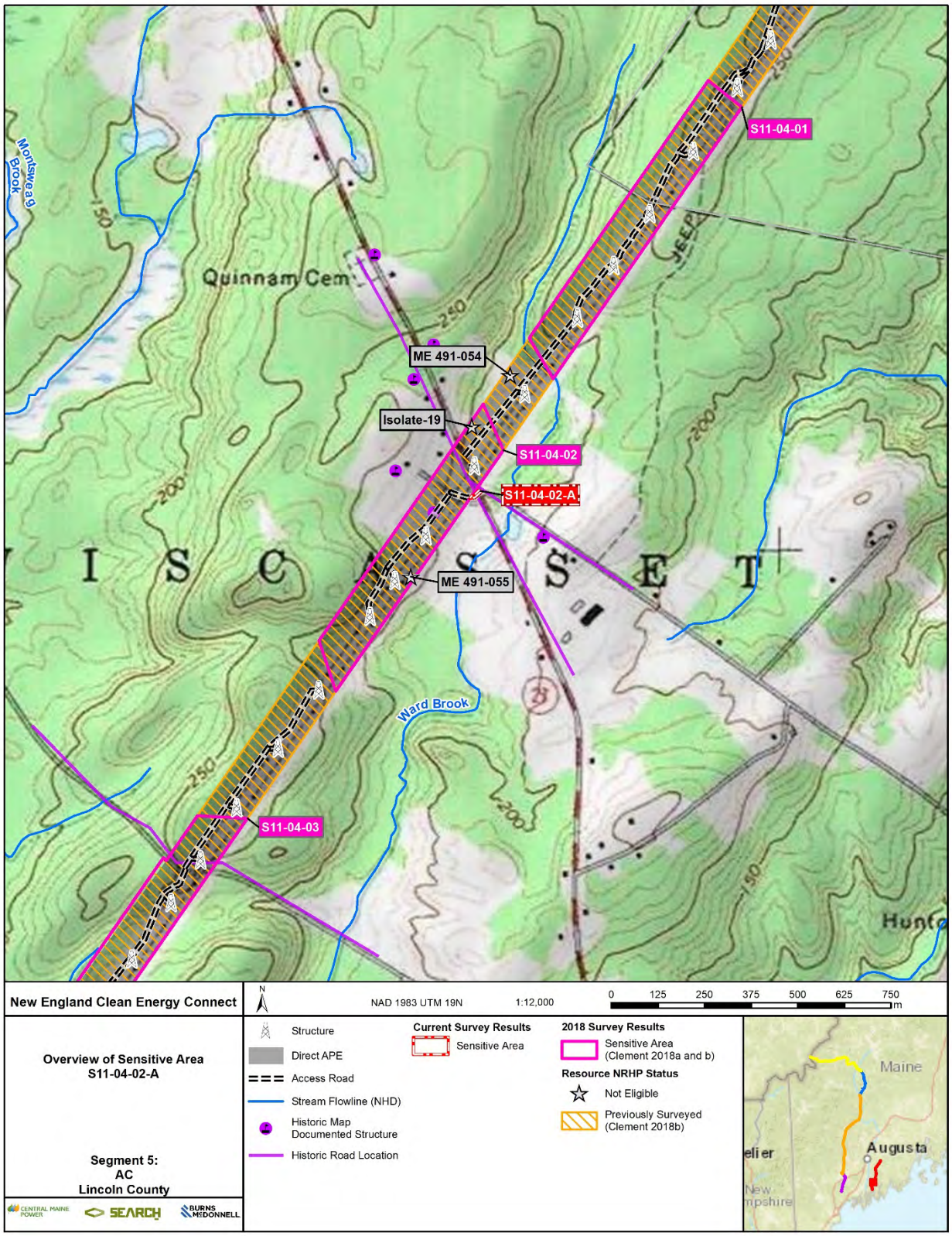

S11-04-03
Montsweag Brook
Cem
179
Rhumrill Cem
S11-01-01-Z
Ward Brook
S11-01-01
S11-01-01-D
S11-01-01-E
New England Clean Energy Connect
NAD 1983 UTM 19N
1:12,000
0 125 250 375 500 625 750 m
Overview of Sensitive Area
S11-01-01-Z
Segment 5:
AC
Lincoln County
Structure
Direct APE
Access Road
Stream Flowline (NHD)
County Boundary
Historic Map Documented Structure
Historic Road Location
Current Survey Results
Sensitive Area
2018 Survey Results
Sensitive Area (Clement 2018a and b)
Previously Surveyed (Clement 2018b)
Maine
Augusta
CENTRAL MAINE POWER
SEARCH
BURNS McDONNELL

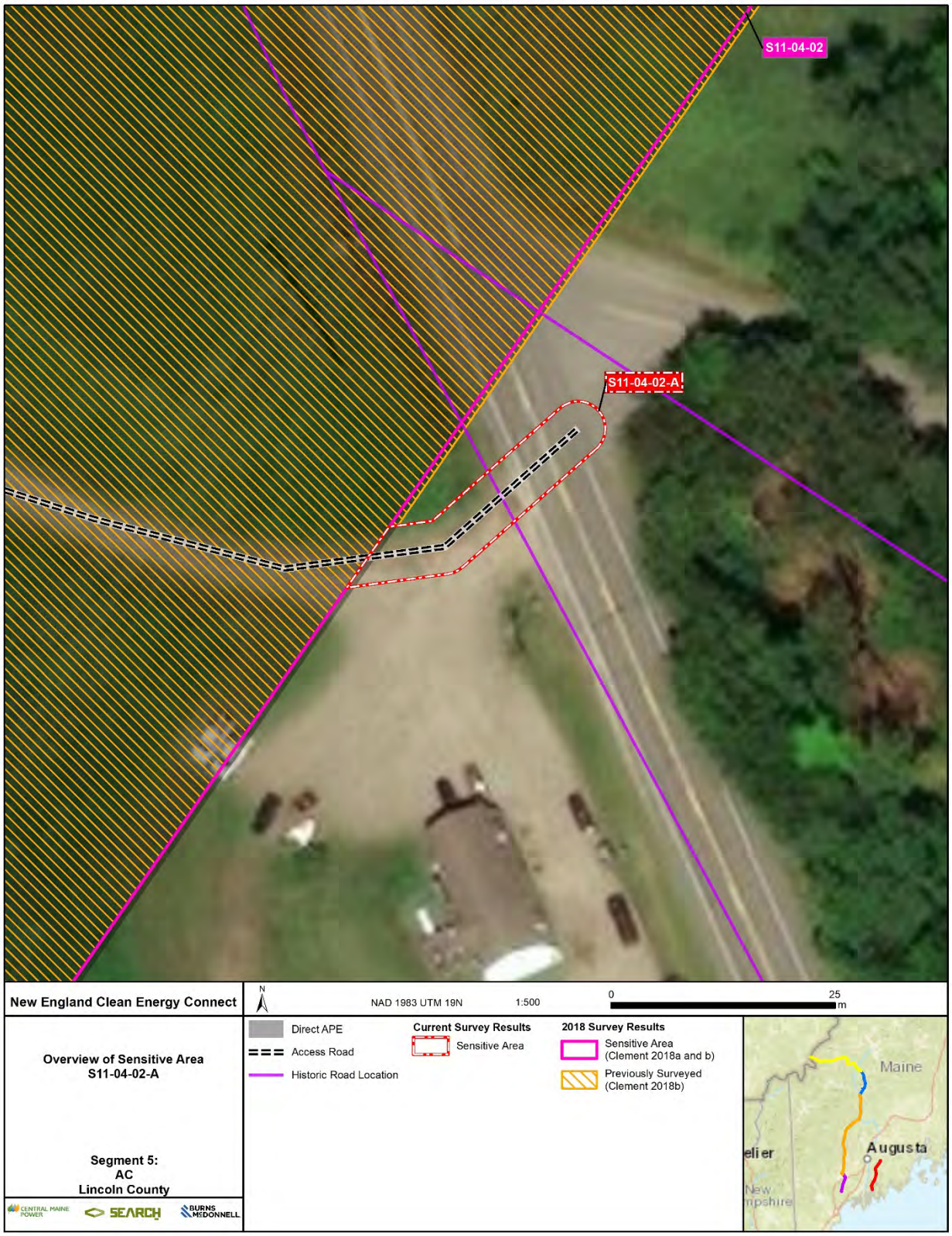

Montsweag Brook
S11-01-01-Z
S11-01-01
New England Clean Energy Connect
NAD 1983 UTM 19N
1:1,850
0 25 50 75 100 m
Overview of Sensitive Area
S11-01-01-Z
Segment 5:
AC
Lincoln County
Structure
Direct APE
Clearing Limits
Access Road
Stream Flowline (NHD)
Historic Map Documented Structure
Historic Road Location
Current Survey Results
Sensitive Area
2018 Survey Results
Sensitive Area (Clement 2018a and b)
Previously Surveyed (Clement 2018b)
Maine
Augusta
CENTRAL MAINE POWER
SEARCH
BURNS McDONNELL

S11-04-02-A

Segment:		Segment 5, AC
County:		Lincoln
Town:		Wiscasset
USGS Quadrangle:		Wiscasset
Coordinate (UTM 19N):	E (m)	445821
	N (m)	4876869
Size (ha):		0.0
Surveyors Initials:		SW
Time Period:		Precontact / Postcontact
Basis for Sensitivity:		Terrace over brook / proximity to mapped historic road
Archaeological Resources Identified:		None
Mean Slope (percent):		2.0
Nearest Water:		Ward Brook
Distance to Water (m):		91
Cultural Features Identified:		None
	Phase I Results	
Number of Transects:		0
Total number of STs:		0
Number of Positive STs:		0
Recommendation:		No further work

S11-04-02-A is an access road. Soils are predominately silty loams derived from glaciolacustrine or glaciomarine deposits (USDA 2020). The access road is an existing gravel road at the northern edge of a paved restaurant parking lot. Mechanical grading of the area associated with the restaurant and road construction is evident. The vegetation within the SA is field grass. Based on the results of the reconnaissance survey, no subsurface testing was conducted, and no further work is recommended.

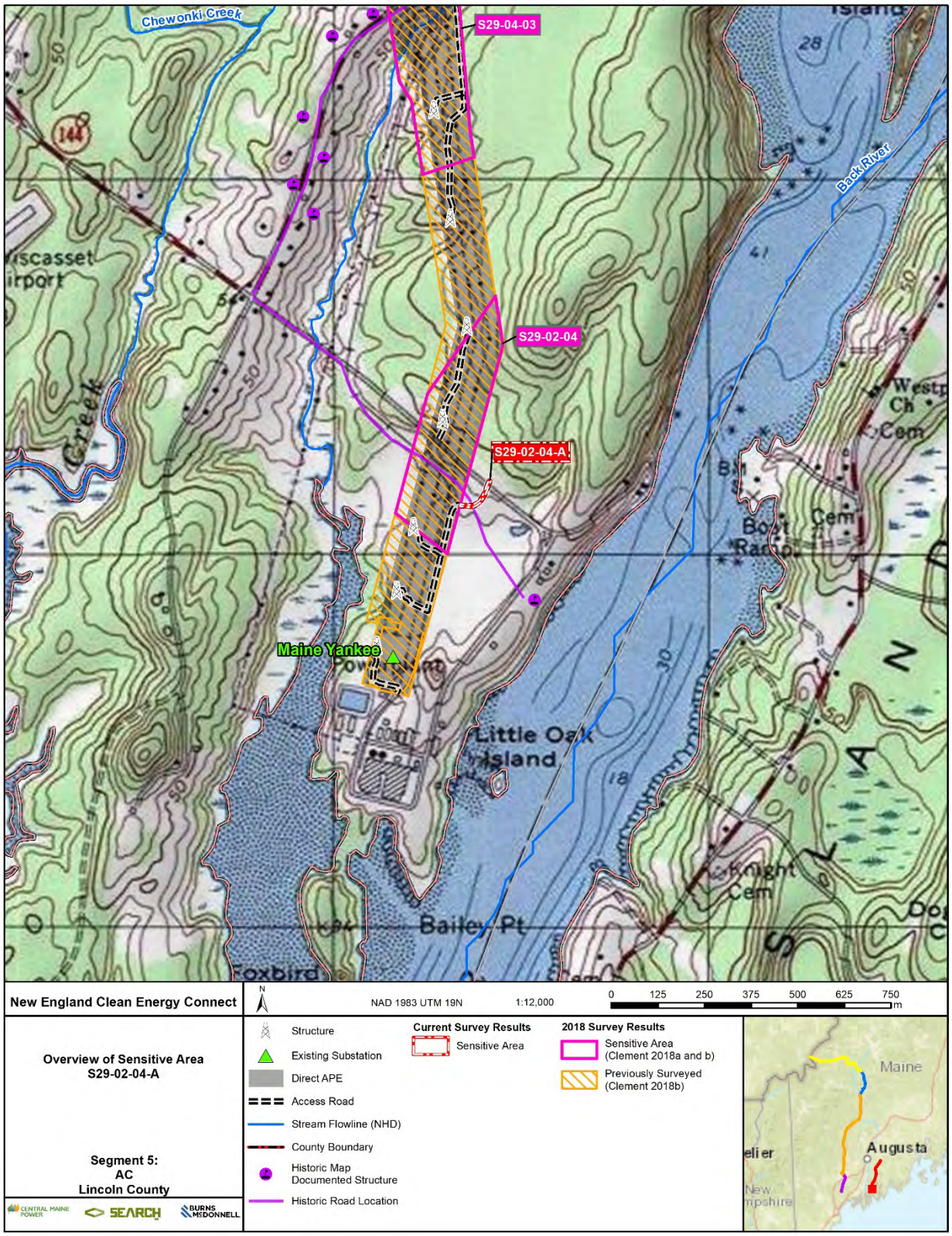

S11-04-01
Quinnam Cem
ME 491-054
Isolate-19
S11-04-02
S11-04-02-A
ME 491-055
Ward Brook
S11-04-03
Monsweag Brook
New England Clean Energy Connect
NAD 1983 UTM 19N
1:12,000
0 125 250 375 500 625 750 m
Overview of Sensitive Area
S11-04-02-A
Segment 5:
AC
Lincoln County
Structure
Direct APE
Access Road
Stream Flowline (NHD)
Historic Map Documented Structure
Historic Road Location
Current Survey Results
Sensitive Area
2018 Survey Results
Sensitive Area (Clement 2018a and b)
Resource NRHP Status
Not Eligible
Previously Surveyed (Clement 2018b)
Maine
Augusta

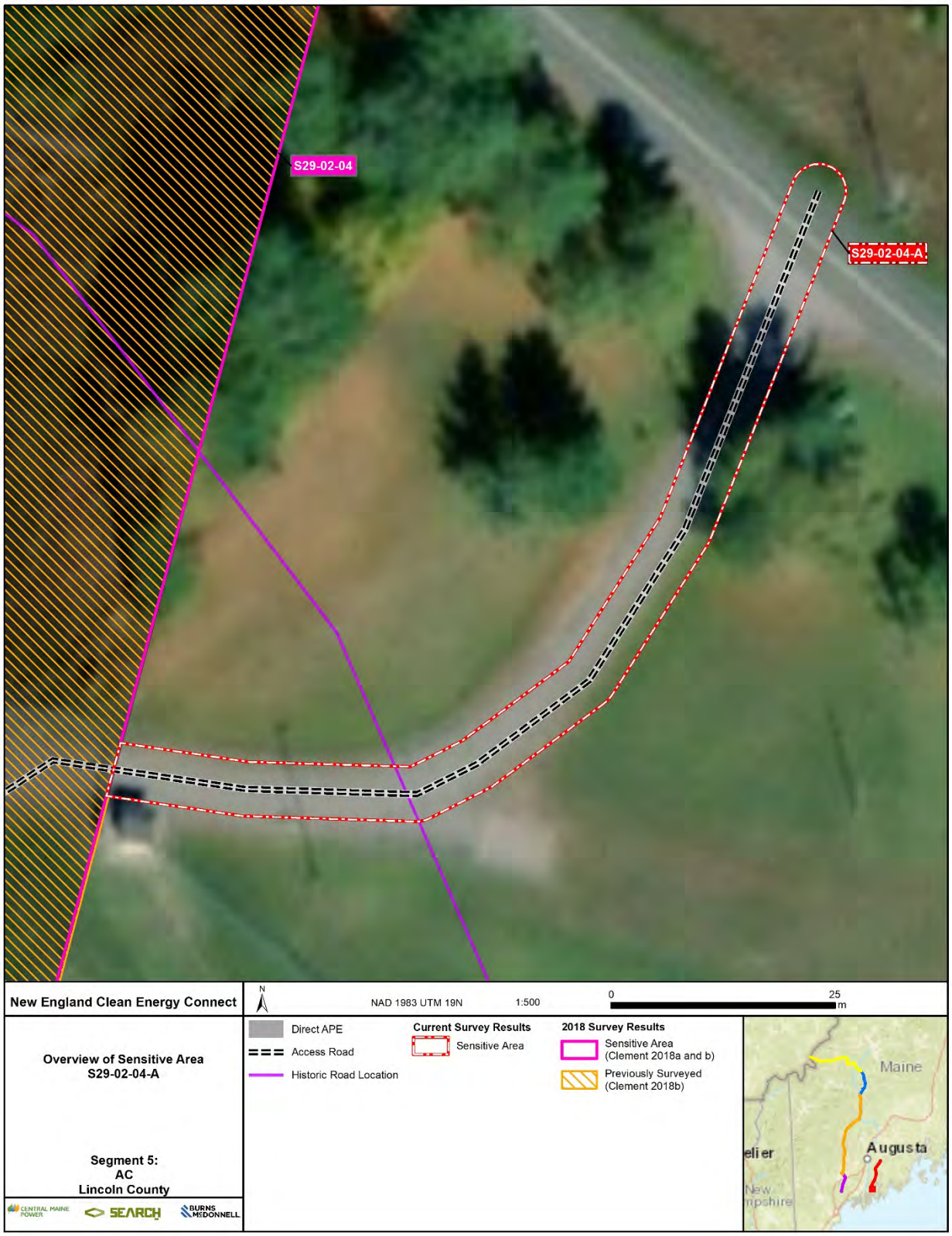

S11-04-02
S11-04-02-A
New England Clean Energy Connect
N
NAD 1983 UTM 19N
1:500
0
25
m
Overview of Sensitive Area
S11-04-02-A
Segment 5:
AC
Lincoln County
Direct APE
Access Road
Historic Road Location
Current Survey Results
Sensitive Area
2018 Survey Results
Sensitive Area
(Clement 2018a and b)
Previously Surveyed
(Clement 2018b)
Maine
Augusta
CENTRAL MAINE POWER
SEARCH
BURNS McDONNELL

S29-02-04-A

Segment:		Segment 5, AC
County:		Lincoln
Town:		Wiscasset
USGS Quadrangle:		Westport
Coordinate (UTM 19N):	E (m)	444424
	N (m)	4867381
Size (ha):		0.1
Surveyors Initials:		SW
Time Period:		Precontact / Postcontact
Basis for Sensitivity:		Terrace over major water body / proximity to mapped historic road
Archaeological Resources Identified:		None
Mean Slope (percent):		3.1
Nearest Water:		Unnamed Stream
Distance to Water (m):		359
Cultural Features Identified:		None
	Phase I Results	
Number of Transects:		0
Total number of STs:		0
Number of Positive STs:		0
Recommendation:		No further work

SA S29-02-04-A is an access road. Mapped soils are predominantly fill materials composed of very gravelly sandy loam. Minor soil components consist of silt loams derived from glaciolacustrine or glaciomarine deposits (USDA 2020). The access road is an existing paved entrance to the Maine Yankee Substation and former nuclear power plant. Noted disturbances are associated with previous road construction and landscaping. The results of the reconnaissance survey showed no need for subsurface testing; no further work is recommended.

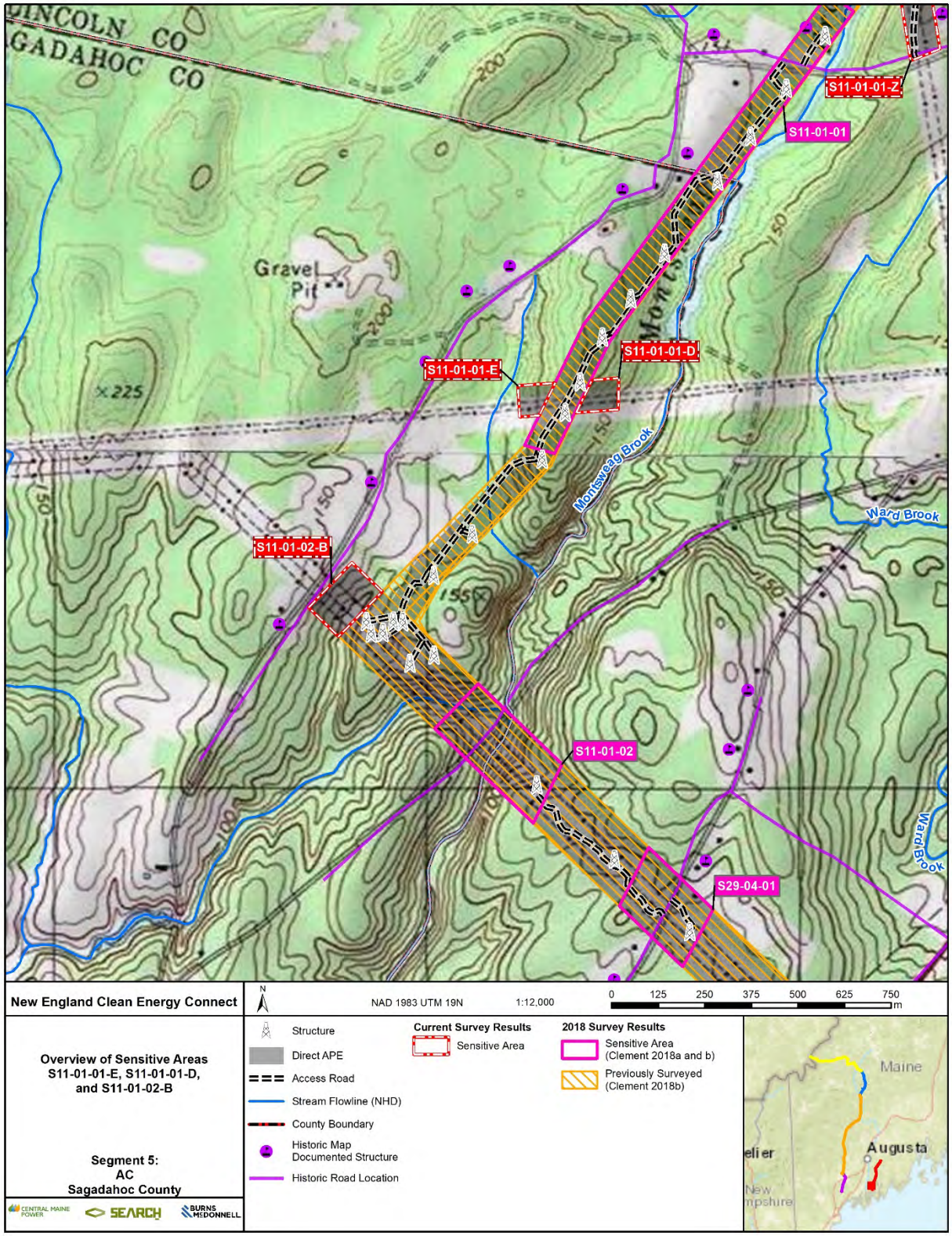

Chewonki Creek
S29-04-03
S29-02-04
S29-02-04-A
Back River
Maine Yankee
Little Oak Island
Bailey Pt
Foxbird
New England Clean Energy Connect
NAD 1983 UTM 19N
1:12,000
0 125 250 375 500 625 750 m
Overview of Sensitive Area
S29-02-04-A
Segment 5:
AC
Lincoln County
Structure
Existing Substation
Direct APE
Access Road
Stream Flowline (NHD)
County Boundary
Historic Map Documented Structure
Historic Road Location
Current Survey Results
Sensitive Area
2018 Survey Results
Sensitive Area (Clement 2018a and b)
Previously Surveyed (Clement 2018b)
Maine
Augusta
CENTRAL MAINE POWER
SEARCH
BURNS McDONNELL

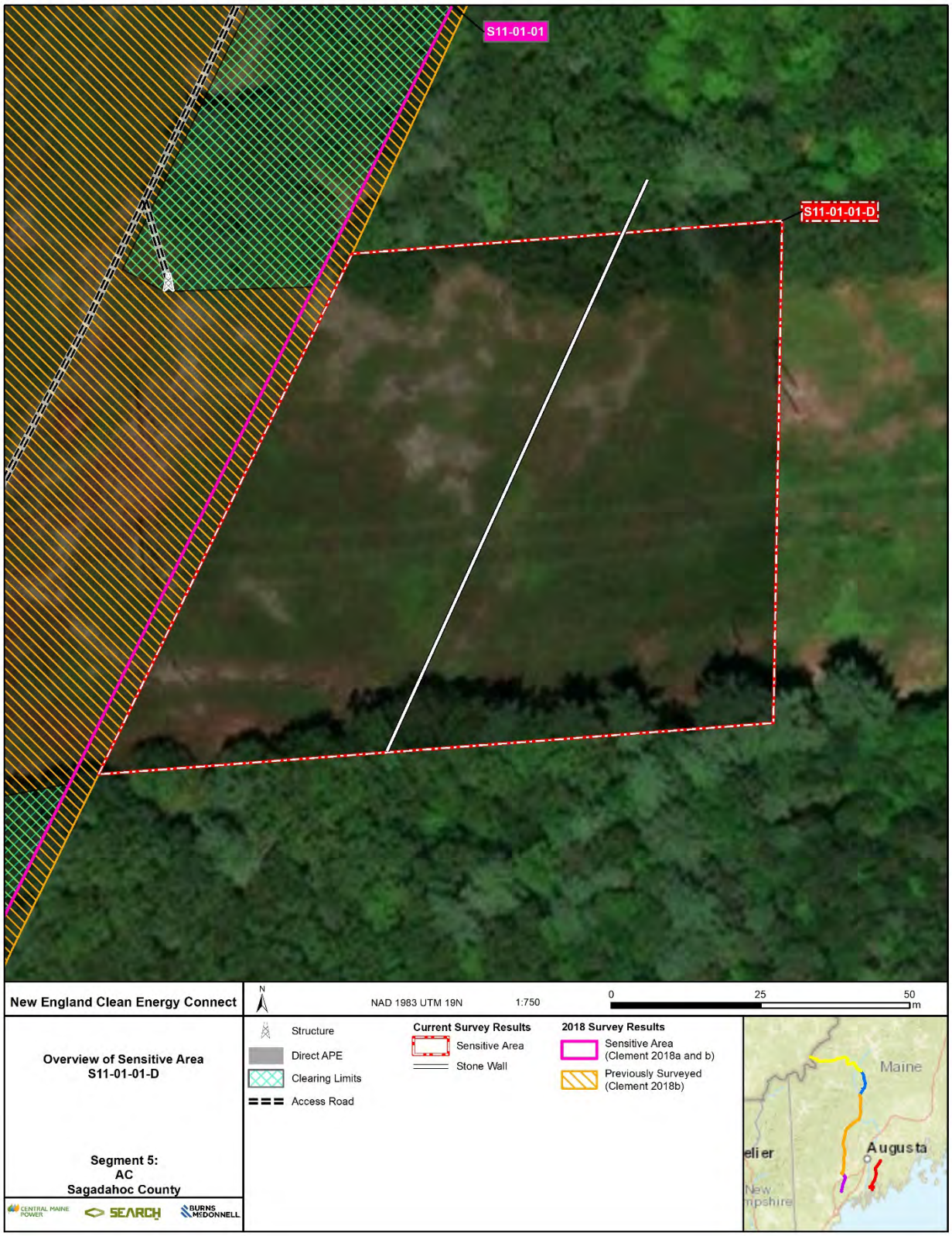

S29-02-04
S29-02-04-A
New England Clean Energy Connect
N
NAD 1983 UTM 19N
1:500
0
25
m
Overview of Sensitive Area
S29-02-04-A
Segment 5:
AC
Lincoln County
Direct APE
Access Road
Historic Road Location
Current Survey Results
Sensitive Area
2018 Survey Results
Sensitive Area
(Clement 2018a and b)
Previously Surveyed
(Clement 2018b)
Maine
Augusta
CENTRAL MAINE POWER
SEARCH
BURNS McDONNELL

S11-01-01-D

Segment:		Segment 5, AC
County:		Sagadahoc
Town:		Woolwich
USGS Quadrangle:		Wiscasset
Coordinate (UTM 19N):	E (m)	443505
	N (m)	4872277
Size (ha):		0.8
Surveyors Initials:		BP, SW
Time Period:		Precontact
Basis for Sensitivity:		Terrace over brook
Archaeological Resources Identified:		None
Mean Slope (percent):		11.4
Nearest Water:		Montsweag Brook
Distance to Water (m):		122
Cultural Features Identified:		1 fieldstone stone wall
	Phase I Results	
Number of Transects:		0
Total number of STs:		0
Number of Positive STs:		0
Recommendation:		No further work

S11-01-01-D is a segment of existing transmission line corridor. Soils are predominately very stony to rocky fine sandy loams that formed on supraglacial till (USDA 2020). The north and west portions of the SA are composed entirely of exposed bedrock. It slopes moderately east and terminates at a wetland associated with Montsweag Brook. A historic stone wall bisects the central portion of the SA at mid-slope. A series of unmaintained access roads and mid-slope borrow areas along with dense juniper vegetation throughout the SA indicates mechanical disturbance throughout the area. Based on the results of the reconnaissance survey, the field crew did not conduct any subsurface testing in the SA and no further work is recommended.

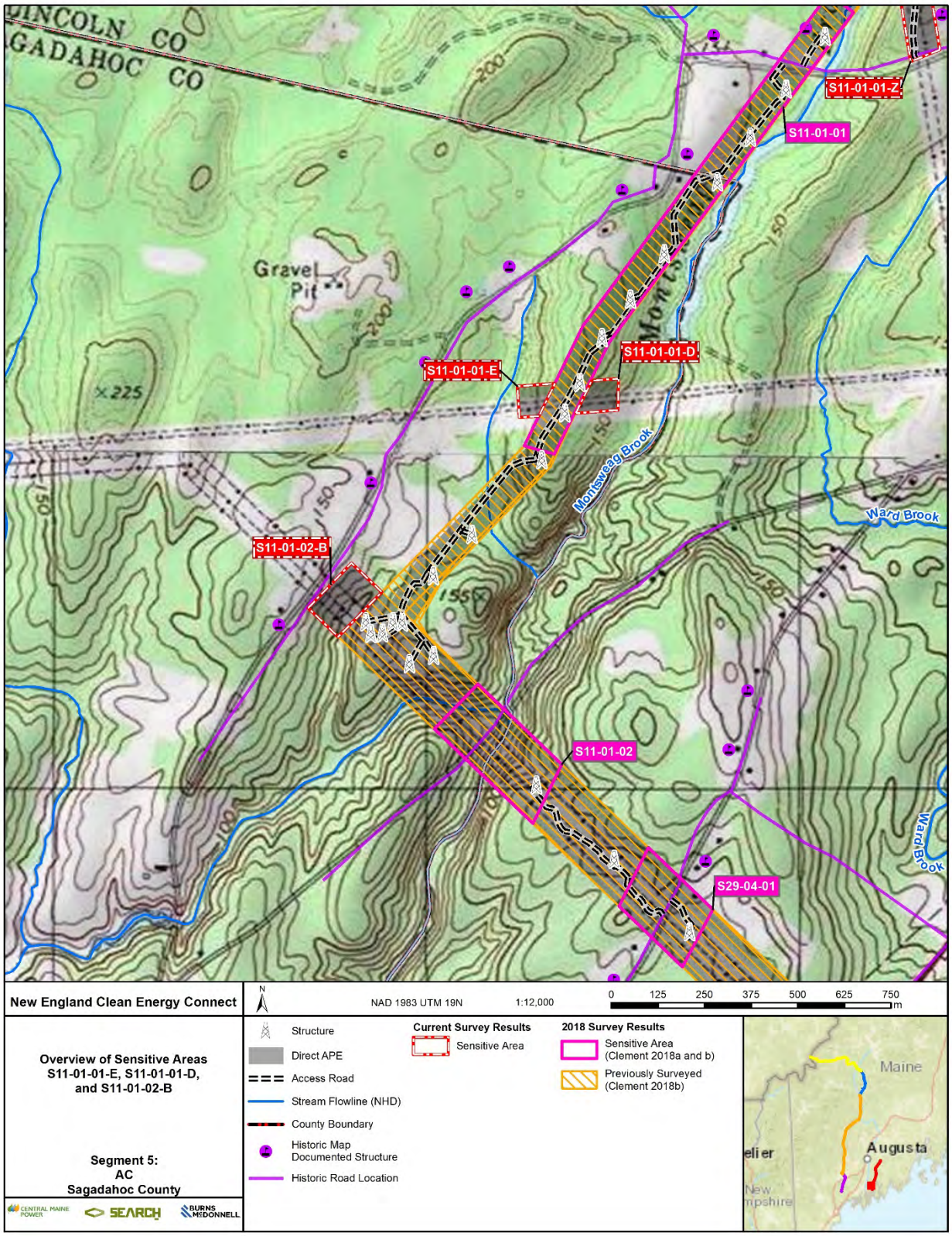

LINCOLN CO
SAGADAHOC CO
Gravel Pit
S11-01-01-Z
S11-01-01
S11-01-01-D
S11-01-01-E
S11-01-02-B
S11-01-02
S29-04-01
Montsweag Brook
Ward Brook
Watabo Brook
New England Clean Energy Connect
NAD 1983 UTM 19N
1:12,000
0 125 250 375 500 625 750 m
Overview of Sensitive Areas S11-01-01-E, S11-01-01-D, and S11-01-02-B
Segment 5: AC Sagadahoc County
Structure
Direct APE
Access Road
Stream Flowline (NHD)
County Boundary
Historic Map Documented Structure
Historic Road Location
Current Survey Results
Sensitive Area
2018 Survey Results
Sensitive Area (Clement 2018a and b)
Previously Surveyed (Clement 2018b)
Maine
Augusta
CENTRAL MAINE POWER
SEARCH
BURNS McDONNELL

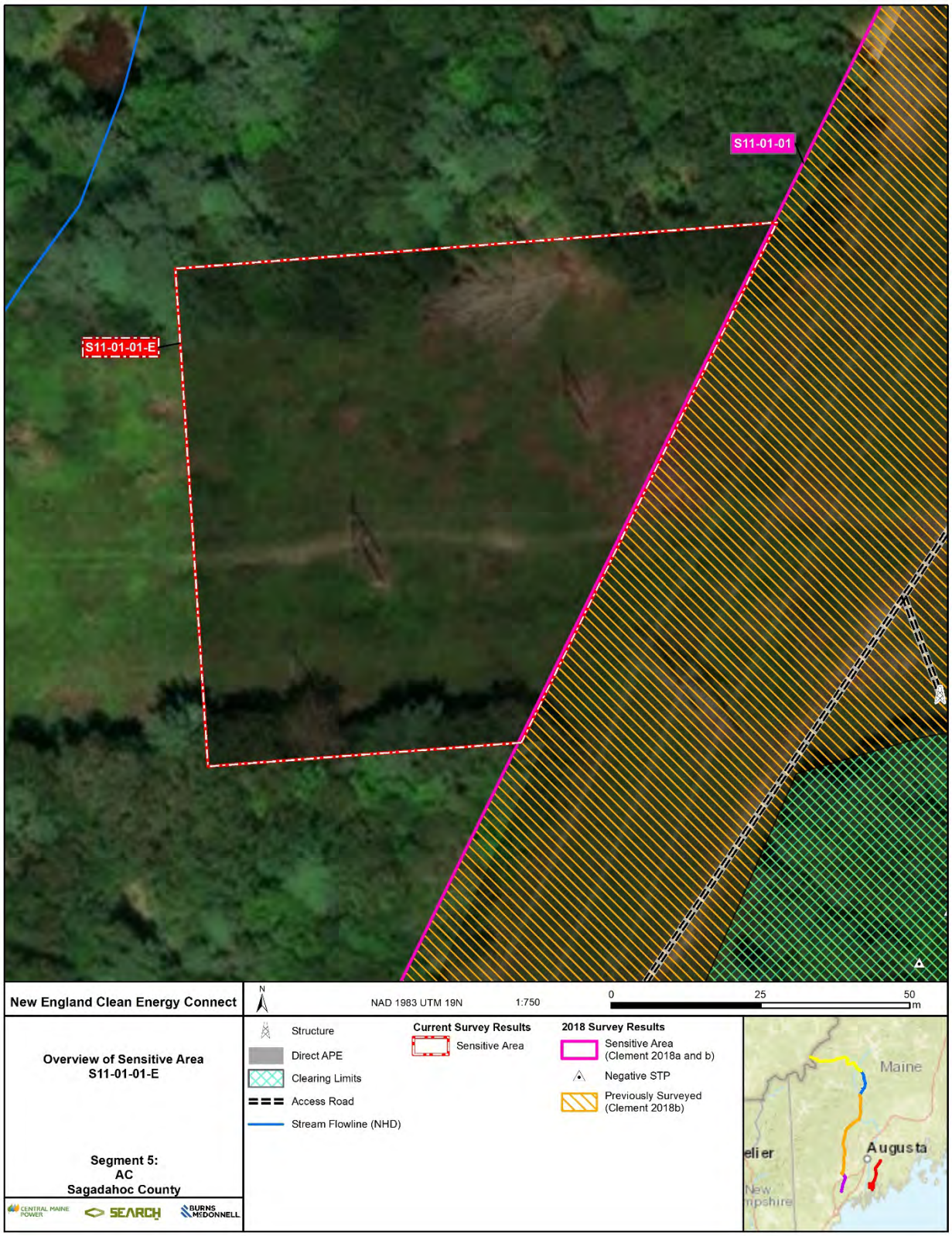

S11-01-01
S11-01-01-D
New England Clean Energy Connect
N
NAD 1983 UTM 19N
1:750
0
25
50
m
Overview of Sensitive Area
S11-01-01-D
Segment 5:
AC
Sagadahoc County
Structure
Direct APE
Clearing Limits
Access Road
Current Survey Results
Sensitive Area
Stone Wall
2018 Survey Results
Sensitive Area
(Clement 2018a and b)
Previously Surveyed
(Clement 2018b)
Maine
Augusta
CENTRAL MAINE POWER
SEARCH
BURNS McDONNELL

S11-01-01-E

Segment:		Segment 5, AC
County:		Sagadahoc
Town:		Woolwich
USGS Quadrangle:		Wiscasset
Coordinate (UTM 19N):	E (m)	443333
	N (m)	4872267
Size (ha):		0.6
Surveyors Initials:		BP, SW
Time Period:		Precontact
Basis for Sensitivity:		Terrace over brook
Archaeological Resources Identified:		None
Mean Slope (percent):		8.1
Nearest Water:		Unnamed Stream
Distance to Water (m):		19
Cultural Features Identified:		None
	Phase I Results	
Number of Transects:		0
Total number of STs:		0
Number of Positive STs:		0
Recommendation:		No further work

S11-01-01-E is a segment of existing transmission line corridor. Mapped soils are very rocky loams formed on supraglacial tills (USDA 2020). Most of the SA falls within the previously surveyed Maine Power Reliability Program (MPRP) area except for a small, wooded sliver along the northern boundary. Shallow soils over bedrock with hummocks and gradual slopes characterize this area. A bedrock ledge bisects the eastern edge of the SA and the terrain becomes more moderately sloped towards the west side. The slope terminates at a wetland and associated unnamed tributary of Montsweag Brook, which is approximately 315 m (1,033 ft) east of the SA. Exposed bedrock and less than 5 cm (2 in) deep soils characterize the area, and the dense juniper shrubs within the cleared portion of the SA indicate previous disturbances or very shallow soils. Mechanical disturbances, evidence of blasting, and recent construction associated with structure replacement activities were observed along the eastern boundary of the SA. Due to the extent of mechanical disturbances, slope, exposed bedrock, and evidence of shallow soils, field crew did not conduct any subsurface testing at S11-01-01-E. No further work is recommended.


LINCOLN CO
SAGADAHOC CO
Gravel Pit
S11-01-01-Z
S11-01-01
S11-01-01-D
S11-01-01-E
S11-01-02-B
S11-01-02
S29-04-01
Montsweag Brook
Ward Brook
New England Clean Energy Connect
NAD 1983 UTM 19N
1:12,000
0 125 250 375 500 625 750 m
Overview of Sensitive Areas S11-01-01-E, S11-01-01-D, and S11-01-02-B
Segment 5: AC Sagadahoc County
Structure
Direct APE
Access Road
Stream Flowline (NHD)
County Boundary
Historic Map Documented Structure
Historic Road Location
Current Survey Results
Sensitive Area
2018 Survey Results
Sensitive Area (Clement 2018a and b)
Previously Surveyed (Clement 2018b)
Maine
Augusta
CENTRAL MAINE POWER
SEARCH
BURNS McDONNELL


S11-01-01
S11-01-01-E
New England Clean Energy Connect
N
NAD 1983 UTM 19N
1:750
0
25
50
m
Overview of Sensitive Area
S11-01-01-E
Segment 5:
AC
Sagadahoc County
Structure
Direct APE
Clearing Limits
Access Road
Stream Flowline (NHD)
Current Survey Results
Sensitive Area
2018 Survey Results
Sensitive Area
(Clement 2018a and b)
Negative STP
Previously Surveyed
(Clement 2018b)
Maine
Augusta
CENTRAL MAINE POWER
SEARCH
BURNS McDONNELL

S11-01-02-B

Segment:		Segment 5, AC
County:		Sagadahoc
Town:		Woolwich
USGS Quadrangle:		Westport
Coordinate (UTM 19N):	E (m)	442816
	N (m)	4871743
Size (ha):		1.9
Surveyors Initials:		BP, SW
Time Period:		Postcontact
Basis for Sensitivity:		Proximity to mapped historic structure and road
Archaeological Resources Identified:		None
Mean Slope (percent):		7.8
Nearest Water:		Unnamed Stream
Distance to Water (m):		249
Cultural Features Identified:		None

Phase I Results

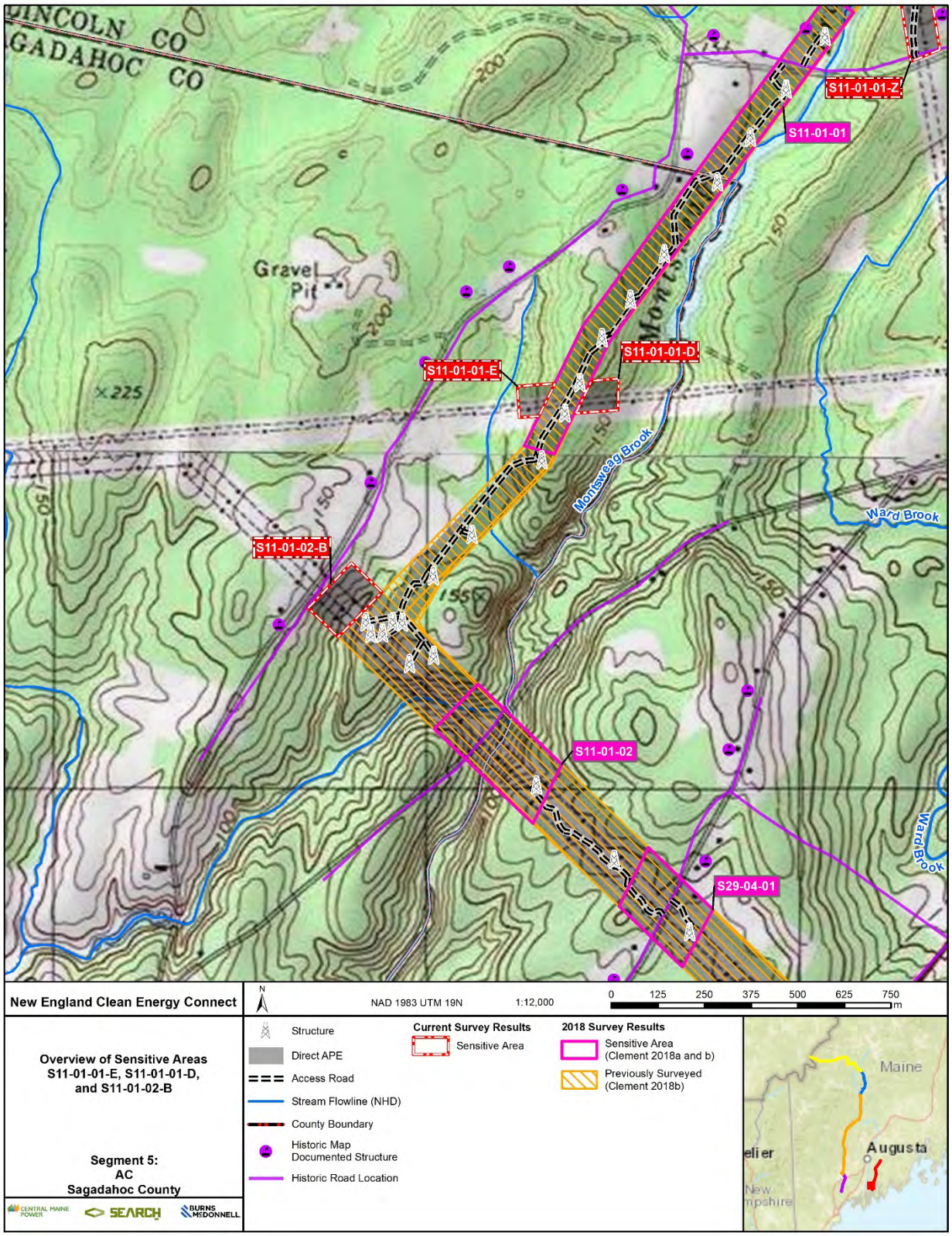
Number of Transects:	1
Total number of STs:	3
Number of Positive STs:	0
Recommendation:	No further work

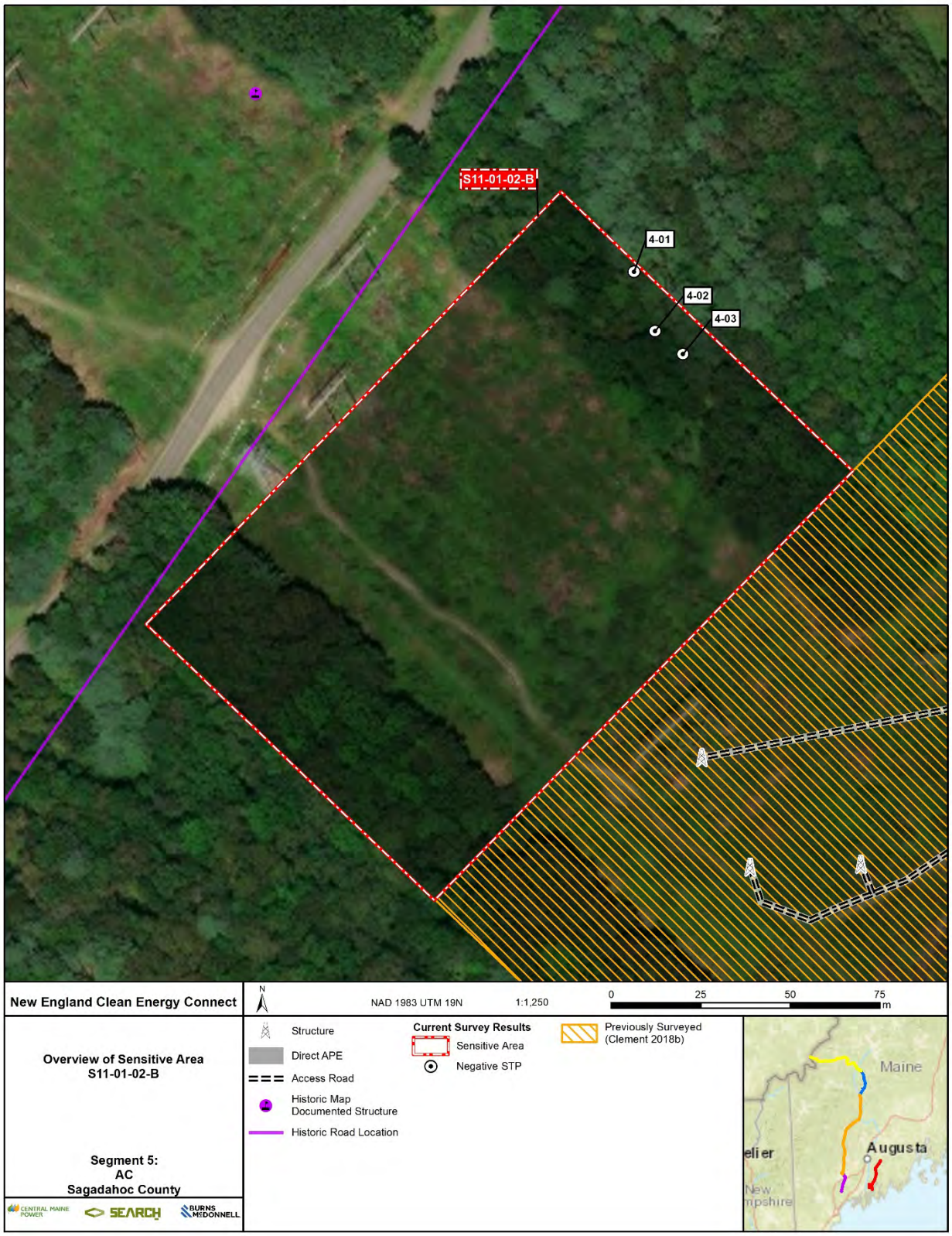
Soils Data

Horizon	Munsell	Soil Texture		Inclusions	Average depth (cmbs)
Ap	10YR 4/2	SiLo	-	-	19
BC	2.5 Y 6/3	SiLo	-	-	30

S11-01-02-B is a segment of existing transmission line corridor. Soils are predominately fine sandy loams formed on melt-out till (USDA 2020). An upland area with large boulders lined across the ROW is in the northeastern portion of the SA that is adjacent to Mountain Road. The boulders are likely evidence of mechanical disturbance associated with transmission line construction. Shallow soils that average approximately 5 cm (2 in) in depth with intermittent bedrock outcrops further define this upland area. The central portion of the SA becomes moderately sloped and terminates at a wetland boundary along the southeastern edge of the SA. Several borrow pits are along the upland area adjacent to the wetland edge. As a result of the borrow pits, the wetland area expanded into the ROW. Along both lateral wooded areas of the SA are machine-cut drainage ditches that lack natural streambeds or defined stream banks. These presumably represent an agricultural drainage system of an active farm that is approximately 200 m (656 ft) north of the SA.

The reconnaissance survey determined that the southwestern and central portions of the SA were disturbed by mechanical activities or exhibited shallow soils with bedrock outcrops and, therefore, no additional archaeological survey was conducted. Additionally, the previous MPRP survey work mostly covered the cleared portions of the SA. A transect of three STs was excavated along the northeastern boundary of the SA, north of a cut-drainage and west of the wetland edge. No cultural materials or evidence of buried, natural horizons were observed in the STs. Due to the extent of mechanical disturbance, exposed bedrock, and shallow soils, no further work is recommended.


LINCOLN CO
SAGADAHOC CO
Gravel Pit
S11-01-01-Z
S11-01-01
S11-01-01-D
S11-01-01-E
S11-01-02-B
S11-01-02
S29-04-01
Montsweag Brook
Ward Brook
New England Clean Energy Connect
NAD 1983 UTM 19N
1:12,000
0 125 250 375 500 625 750 m
Overview of Sensitive Areas S11-01-01-E, S11-01-01-D, and S11-01-02-B
Segment 5: AC Sagadahoc County
Structure
Direct APE
Access Road
Stream Flowline (NHD)
County Boundary
Historic Map Documented Structure
Historic Road Location
Current Survey Results
Sensitive Area
2018 Survey Results
Sensitive Area (Clement 2018a and b)
Previously Surveyed (Clement 2018b)
Maine
Augusta
CENTRAL MAINE POWER
SEARCH
BURNS McDONNELL


S11-01-02-B
4-01
4-02
4-03
New England Clean Energy Connect
N
NAD 1983 UTM 19N
1:1,250
0
25
50
75
m
Overview of Sensitive Area
S11-01-02-B
Segment 5:
AC
Sagadahoc County
Structure
Direct APE
Access Road
Historic Map Documented Structure
Historic Road Location
Current Survey Results
Sensitive Area
Negative STP
Previously Surveyed (Clement 2018b)
Maine
Augusta
CENTRAL MAINE POWER
SEARCH
BURNS McDONNELL

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APPENDIX B
EXCAVATION LOG

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SA	TA	Site #	ST#	UTM N	UTM E	Status	Strat	Horizon	Depth (cmbs)	Munsell Color	Texture	Inclusions	Artifact Count
S11-01-02-B	ET-4	N/A	4-01	4871807	442862	Negative	I	Ap	0–18	10YR 4/2	Silt Loam	0%	0
S11-01-02-B	ET-4	N/A	4-01	4871807	442862	Negative	II	BC	18–30	2.5YR 6/3	Silt	0%	0
S11-01-02-B	ET-4	N/A	4-02	4871790	442868	Negative	I	Ap	0–20	10YR 4/2	Silt Loam	0%	0
S11-01-02-B	ET-4	N/A	4-02	4871790	442868	Negative	II	BC	20–30	2.5YR 6/3	Silt	0%	0
S11-01-02-B	ET-4	N/A	4-03	4871790	442868	Negative	I	Ap	0–19	10YR 4/2	Silt Loam	0%	0
S11-01-02-B	ET-4	N/A	4-03	4871790	442868	Negative	II	BC	19–30	2.5YR 6/3	Silt	0%	0
QMI-10-01-A	ET-60	N/A	1A-01	4917956	408484	Negative	I	Ap	0–13	10YR 3/2	Silt Loam	0%	0
QMI-10-01-A	ET-60	N/A	1A-01	4917956	408484	Negative	II	BC	13–36	10YR 5/1	Silt Loam	0%	0
QMI-10-01-A	ET-60	N/A	1A-01	4917956	408484	Negative	III	C	36–48	7.5YR 6/1	Silt Sand	0%	0
QMI-10-01-A	ET-60	N/A	1A-02	4917953	408489	Negative	I	Ap	0–19	10YR 3/2	Silt Loam	0%	0
QMI-10-01-A	ET-60	N/A	1A-02	4917953	408489	Negative	II	C	19–42	7.5YR 6/1	Silt Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-01	4917601	408522	Negative	I	Ap	0–28	10YR 3/2	Sandy Loam	0%	0
QMI-10-01-A	ET-60	N/A	2A-01	4917601	408522	Negative	II	B	28–48	10YR 4/6	Silt Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-01	4917601	408522	Negative	III	BC	48–52	10YR 6/6	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-01	4917601	408522	Negative	IV	C	52–69	10YR 6/1	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-01 Auger	4917956	408484	Negative		C	69–88	10YR 6/4	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-01 Auger	4917956	408484	Negative		C	88–105	2.5Y 5/4	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-01 Auger	4917956	408484	Negative		C	105–122	10YR 3/6	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-02	4917587	408523	Negative	I	Ap	0–27	10YR 3/2	Sandy Loam	0%	0
QMI-10-01-A	ET-60	N/A	2A-02	4917587	408523	Negative	II	B	27–36	10YR 4/6	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-02	4917587	408523	Negative	III	BC	36–56	10YR 6/6	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-02	4917587	408523	Negative	IV	C	56–70	10YR 6/4	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-03	4917581	408522	Negative	I	Ap	0–24	10YR 3/2	Sandy Loam	0%	0
QMI-10-01-A	ET-60	N/A	2A-03	4917581	408522	Negative	II	B	24–45	10YR 4/6	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-03	4917581	408522	Negative	III	BC	45–56	10YR 6/6	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-03	4917581	408522	Negative	IV	C	56–78	10YR 6/4	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-04	4917571	408522	Negative	I	Ap	0–26	10YR 3/2	Sandy Loam	0%	0
QMI-10-01-A	ET-60	N/A	2A-04	4917571	408522	Negative	II	B	26–50	10YR 4/6	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-04	4917571	408522	Negative	III	BC	50–61	10YR 6/6	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-04	4917571	408522	Negative	IV	C	61–71	10YR 6/4	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-05	4917568	408522	Negative	I	Ap	0–28	10YR 3/2	Sandy Loam	0%	0
QMI-10-01-A	ET-60	N/A	2A-05	4917568	408522	Negative	II	Other	28–32	10YR 6/1	Sand	0%	0

SA	TA	Site #	ST#	UTM N	UTM E	Status	Strat	Horizon	Depth (cmbs)	Munsell Color	Texture	Inclusions	Artifact Count
QMI-10-01-A	ET-60	N/A	2A-05	4917568	408522	Negative	III	BC	32–59	10YR 4/6	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-05	4917568	408522	Negative	IV	C	59–70	10YR 6/4	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-05 Auger	4917568	408522	Negative	IV	C	70-81	10YR 6/4	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-05 Auger	4917568	408522	Negative	V	Other	81-175	5Y 6/1	Clay	0%	0
QMI-10-01-A	ET-60	N/A	2A-05 TU	4917568	408522	Negative	I		0–18	10YR 3/2	Sandy Loam	0%	0
QMI-10-01-A	ET-60	N/A	2A-05 TU	4917568	408522	Negative	II		18-43	7.5YR 4/1		0%	0
QMI-10-01-A	ET-60	N/A	2A-05 TU	4917568	408522	Negative	III		43-58	7.5YR 3/4		0%	0
QMI-10-01-A	ET-60	N/A	2A-05 TU	4917568	408522	Negative	IV		58-66	5YR 3/4	Sandy Loam	0%	0
QMI-10-01-A	ET-60	N/A	2A-05 TU	4917568	408522	Negative	V		66-100	2.5Y 4/2	Sandy Clay	0%	0
QMI-10-01-A	ET-60	N/A	2A-06	4917553	408523	Negative	I	Ap	0–31	10YR 3/2	Sandy Loam	0%	0
QMI-10-01-A	ET-60	N/A	2A-06	4917553	408523	Negative	II	B	31–57	10YR 4/6	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-06	4917553	408523	Negative	III	BC	57–73	10YR 6/6	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-06	4917553	408523	Negative	IV	C	73–84	10YR 6/4	Sand	10%	0
QMI-10-01-A	ET-60	N/A	2A-06 Auger	4917553	408523	Negative	V	Other	84–119	2.5Y 5/4	Clay	0%	0
QMI-10-01-A	ET-60	N/A	2A-06 Auger	4917553	408523	Negative	VI	Other	119-185	5Y 6/1	Clay	0%	0
QMI-10-01-A	ET-60	N/A	2A-07	4917538	408525	Negative	I	Ap	0–30	10YR 3/2	Sandy Loam	0%	0
QMI-10-01-A	ET-60	N/A	2A-07	4917538	408525	Negative	II	B	30–56	10YR 4/6	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-07	4917538	408525	Negative	III	BC	56–70	10YR 6/6	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-07	4917538	408525	Negative	IV	C	70–80	10YR 6/4	Sand	10%	0
QMI-10-01-A	ET-60	N/A	2A-07 Auger	4917538	408525	Negative	IV	C	80-102	10YR 6/4	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-07 Auger	4917538	408525	Negative	V	Other	102-115	2.5Y 5/4	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-07 Auger	4917538	408525	Negative	VI	Other	115-190	5Y 6/1	Clay	0%	0
QMI-10-01-A	ET-60	N/A	2A-08	4917531	408523	Negative	I	Ap	0–28	10YR 3/2	Sandy Loam	0%	0
QMI-10-01-A	ET-60	N/A	2A-08	4917531	408523	Negative	II	B	28–66	10YR 4/6	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-08	4917531	408523	Negative	III	BC	66–76	10YR 6/6	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-08	4917531	408523	Negative	IV	C	76–91	10YR 6/4	Sand	10%	0
QMI-10-01-A	ET-60	N/A	2A-08 Auger	4917531	408523	Negative	IV	C	91-111	10YR 6/4	Sand	10%	0
QMI-10-01-A	ET-60	N/A	2A-08 Auger	4917531	408523	Negative	V	Ab	111-118	10YR 3/2	Loamy Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-08 Auger	4917531	408523	Negative	VI	Other	118-123	2.5Y 5/4	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-08 Auger	4917531	408523	Negative	VII	Other	123-185	5Y 6/1	Clay	0%	0
QMI-10-01-A	ET-60	N/A	2A-09	4917521	408519	Negative	I	Ap	0–29	10/YR 4/3	Sandy Loam	0%	0
QMI-10-01-A	ET-60	N/A	2A-09	4917521	408519	Negative	II	Ab	29–39	10YR 3/2	Sandy Loam	0%	0

SA	TA	Site #	ST#	UTM N	UTM E	Status	Strat	Horizon	Depth (cmbs)	Munsell Color	Texture	Inclusions	Artifact Count
QMI-10-01-A	ET-60	N/A	2A-09	4917521	408519	Negative	III	B	39–70	10YR 4/6	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-09	4917521	408519	Negative	IV	BC	70–80	10YR 6/6	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-09 Auger	4917521	408519	Negative	V	Other	80-98	10 YR 6/4	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-09 Auger	4917521	408519	Negative	VI	Other	98-109	2.5Y 5/4	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-09 Auger	4917521	408519	Negative	VII	Other	109-170	5Y 6/1	Silty Clay	0%	0
QMI-10-01-A	ET-60	N/A	2A-10	4917517	408518	Negative	I	Ap	0–29	10YR 3/4	Sandy Loam	0%	0
QMI-10-01-A	ET-60	N/A	2A-10	4917517	408518	Negative	II	Ab	29–36	10YR 3/2	Silt Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-10	4917517	408518	Negative	III	B	36–46	10YR 4/6	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-10	4917517	408518	Negative	IV	BC	46–57	10YYR 6/6	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-10	4917517	408518	Negative	V	C	57–75	10YR 6/4	Sand	10%	0
QMI-10-01-A	ET-60	N/A	2A-10 Auger	4917517	408518	Negative	VI	Other	75-98	2.5Y 5/4	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-10 Auger	4917517	408518	Negative	VII	Other	98-180	5Y 6/1	Clay	0%	0
QMI-10-01-A	ET-60	N/A	2A-10 TU	4917517	408518	Negative	I	Ap	0-10	7.5YR 3/2	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-10 TU	4917517	408518	Negative	II	Ab	10-25	10YR 4/3	Sandy Loam	0%	0
QMI-10-01-A	ET-60	N/A	2A-10 TU	4917517	408518	Negative	III	B	25-56	7.5 YR ¾	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-10 TU	4917517	408518	Negative	IV	BC	56-64	10YR 4/6	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-10 TU	4917517	408518	Negative	V	C	64-79	2.5Y 4/4	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-10 TU	4917517	408518	Negative	VI	Other	79-86	10YR 3/6	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-10 TU	4917517	408518	Negative	VII	Other	86-100	2.5Y 4/2	Clay	0%	0
QMI-10-01-A	ET-60	N/A	2A-11	4917503	408523	Negative	I	Ap	0–28	10YR 3/4	Sandy Loam	0%	0
QMI-10-01-A	ET-60	N/A	2A-11	4917503	408523	Negative	II	B	28–46	10YR 4/6	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-11	4917503	408523	Negative	III	BC	46–65	10YR 6/6	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-11	4917503	408523	Negative	IV	C	65–75	10YR 6/4	Sand	10%	0
QMI-10-01-A	ET-60	N/A	2A-12	4917482	408519	Negative	I	Ap	0–28	10YR 3/4	Sandy Loam	0%	0
QMI-10-01-A	ET-60	N/A	2A-12	4917482	408519	Negative	II	B	28–40	10YR 4/6	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-12	4917482	408519	Negative	III	BC	40–54	10YR 6/6	Sand	0%	0
QMI-10-01-A	ET-60	N/A	2A-12	4917482	408519	Negative	IV	C	54–66	10YR 6/4	Sand	0%	0
QMI-10-01-A	ET-60	N/A	3A-01	4917423	408503	Negative	I	Ap	0–20	10YR 3/4	Sandy Loam	0%	0
QMI-10-01-A	ET-60	N/A	3A-01	4917423	408503	Negative	II	B	20–39	10YR 4/6	Sand	0%	0
QMI-10-01-A	ET-60	N/A	3A-01	4917423	408503	Negative	III	BC	39–57	10YR 6/6	Sand	0%	0
QMI-10-01-A	ET-60	N/A	3A-01	4917423	408503	Negative	IV	C	57–75	10YR 6/4	Sand	0%	0
QMI-10-01-A	ET-60	N/A	3A-02	4917418	408510	Negative	I	Ap	0–25	10YR 3/4	Sandy Loam	0%	0

SA	TA	Site #	ST#	UTM N	UTM E	Status	Strat	Horizon	Depth (cmbs)	Munsell Color	Texture	Inclusions	Artifact Count
QMI-10-01-A	ET-60	N/A	3A-02	4917418	408510	Negative	II	B	25–37	10YR 4/6	Sand	0%	0
QMI-10-01-A	ET-60	N/A	3A-02	4917418	408510	Negative	III	BC	37–53	10YR 6/6	Sand	0%	0
QMI-10-01-A	ET-60	N/A	3A-02	4917418	408510	Negative	IV	C	53–70	10YR 6/4	Sand	10%	0
QMI-10-01-A	ET-60	N/A	3A-03	4917405	408515	Negative	I	Ap	0–20	10YR 3/4	Sandy Loam	0%	0
QMI-10-01-A	ET-60	N/A	3A-03	4917405	408515	Negative	II	B	20–30	10YR 4/6	Sand	0%	0
QMI-10-01-A	ET-60	N/A	3A-03	4917405	408515	Negative	III	BC	30–50	10YR 6/6	Sand	0%	0
QMI-10-01-A	ET-60	N/A	3A-03	4917405	408515	Negative	IV	C	50–65	10YR 4/6	Sand	10%	0
QMI-10-01-A	ET-60	N/A	3A-03 Auger	4917405	408515	Negative	V	C	65–105	2.5Y 6/3	Sand	5%	0
QMI-10-01-A	ET-60	N/A	3A-03 Auger	4917405	408515	Negative	VI	C	105–130	2.5Y 7/2	Sandy Silt	0%	0
QMI-10-01-A	ET-60	N/A	3A-03 Auger	4917405	408515	Negative	VII	C	130–145	2.5Y 5/4	Clay	0%	0
QMI-10-01-A	ET-60	N/A	3A-03 Auger	4917405	408515	Negative	VIII	C	145–175	2.5Y 7/2	Sand	0%	0
QMI-10-01-A	ET-60	N/A	3A-03 Auger	4917405	408515	Negative	IX	C	175–190	7.5YR 5/8	Sand	0%	0
QMI-10-01-A	ET-60	N/A	3A-03 Auger	4917405	408515	Negative	X	C	190–215	2.5Y 7/2	Sand	0%	0
QMI-10-01-A	ET-60	N/A	3A-03 Auger	4917405	408515	Negative	XI	C	215–260	2.5Y 5/4	Sandy Clay	0%	0
QMI-10-01-A	ET-60	N/A	4A-01	4917189	408532	Negative	I	A	0–27	2.5Y 4/3	Silt Sand	0%	0
QMI-10-01-A	ET-60	N/A	4A-01	4917189	408532	Negative	II	BC	27–105	2.5Y 5/2	Silt Sand	0%	0
QMI-10-01-A	ET-60	N/A	4A-01 Auger	4917189	408532	Negative	III	BC	105–160	2.5Y 6/1	Silt Sand	0%	0
QMI-09-02-A	ET-61	N/A	T1-01	4925418	406781	Negative	I	Ap	0–30	10YR 5/4	Silt Loam	0%	0
QMI-09-02-A	ET-61	N/A	T1-01	4925418	406781	Negative	II	BC	30–63	7.5YR 5/3	Silt Sand	0%	0
QMI-09-02-A	ET-61	N/A	T1-02	4925416	406790	Negative	I	Ap	0–21	10YR 5/4	Silt Loam	0%	0
QMI-09-02-A	ET-61	N/A	T1-02	4925416	406790	Negative	II	B	21–29	10YR 4/6	Silt Loam	0%	0
QMI-09-02-A	ET-61	N/A	T1-02	4925416	406790	Negative	III	C	29–40	7.5YR 5/3	Silt Sand	0%	0
QMI-09-02-A	ET-61	N/A	T1-03	4925413	406800	Negative	I	Ap	0–20	10YR 5/4	Silt Loam	0%	0
QMI-09-02-A	ET-61	N/A	T1-03	4925413	406800	Negative	II	C	20–55	7.5YR 5/3	Silt Sand	0%	0
QMI-09-02-A	ET-61	N/A	T2-01	4925316	406813	Negative	I	Ap	0–22	10YR 3/4	Silt Loam	0%	0
QMI-09-02-A	ET-61	N/A	T2-01	4925316	406813	Negative	II	B	22–31	10YR 5/8	Silt Sand	0%	0
QMI-09-02-A	ET-61	N/A	T2-01	4925316	406813	Negative	III	C	31–42	7.5YR 5/3	Silt Sand	0%	0
QMI-09-02-A	ET-61	N/A	T2-02	4925307	406820	Negative	I	Ap	0–27	10YR 3/4	Silt Loam	0%	0
QMI-09-02-A	ET-61	N/A	T2-02	4925307	406820	Negative	II	C	27–45	7.5YR 5/3	Silt Sand	0%	0
QMI-09-02-A	ET-61	N/A	T2-03	4925305	406826	Negative	I	Ap	0–25	10YR 3/4	Silt Loam	0%	0
QMI-09-02-A	ET-61	N/A	T2-03	4925305	406826	Negative	II	B	25–37	10YR 5/8	Silt Sand	0%	0

SA	TA	Site #	ST#	UTM N	UTM E	Status	Strat	Horizon	Depth (cmbs)	Munsell Color	Texture	Inclusions	Artifact Count
QMI-09-02-A	ET-61	N/A	T2-03	4925305	406826	Negative	III	C	37–50	7.5YR 5/3	Silt Sand	0%	0
QMI-09-02-A	N/A	N/A	SA14-J1	4925695	403375	Negative	I	Ap	0–15	10YR 5/3	Sand	80%	0

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APPENDIX C
CORRESPONDENCE

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MAINE HISTORIC PRESERVATION COMMISSION
55 CAPITOL STREET
65 STATE HOUSE STATION
AUGUSTA, MAINE
04333

JANET T. MILLS
GOVERNOR

KIRK F. MOHNEY
DIRECTOR

February 11, 2019

Mr. Jacob A. Freedman
SEARCH
55 Melville Ave
Boston, MA 02124

Project: MHPC #1148-17 Central Maine Power; New England Clean Energy Connect (NECEC) Archaeological sites

Town: Various, ME

Dear Mr. Freedman:

In response to your recent request, Dr. Leith Smith and Arthur Spiess have reviewed the information in the Phase I Archaeological Survey Report received about December 14, 2018 to continue consultation on the above referenced projects in accordance with Section 106 of the National Historic Preservation Act of 1966, as amended (NHPA).

The revised final Phase I archaeological survey report, dated December 2018, is acceptable as written. We concur with the findings (as summarized in the Management Summary) of 29 sites located, fourteen historic and one prehistoric not eligible for listing in the National Register, and fourteen sites requiring avoidance during construction. We concur that there may be no adverse effect for the six sites listed in Table 1 (p ii) if the treatment plans summarized in Table 1 are followed. The plans for site avoidance and treatments as in Table 1 and site monitoring during and after construction should be detailed in a project MOA.

We look forward to continuing the consultation with you. If you have any questions, please contact Megan M. Rideout of this office at megan.m.rideout@maine.gov.

Sincerely,

Kirk F. Mohney

Kirk F. Mohney
State Historic Preservation Officer

MAINE HISTORIC PRESERVATION COMMISSION
55 CAPITOL STREET
65 STATE HOUSE STATION
AUGUSTA, MAINE
04333

JANET T. MILLS
GOVERNOR

KIRK F. MOHNEY
DIRECTOR

January 18, 2019

Mr. Jacob A. Freedman
SEARCH
55 Melville Ave
Boston, MA 02124

Project: MHPC #1148-17 Central Maine Power; New England Clean Energy Connect (NECEC) Above Ground Resources: Architectural Survey

Town: Various, ME

Dear Mr. Freedman:

In response to your recent request, I have reviewed the information received December 14, 2018 to continue consultation on the above referenced projects in accordance with Section 106 of the National Historic Preservation Act of 1966, as amended (NHPA).

Identification of Historic Properties

The following properties are either listed in the National Register of Historic Places (Register) or were previously determined eligible to be listed in the Register:

- Appalachian National Scenic Trail, crossing at Troutdale Road and Bakers Stream, (SM #66), eligible at a national level of significance (previous determination)
- Wyman Station, Moscow (SM #s 1286-1287), eligible (previous determination)
- Bingham Village Historic District, (SM #s 112-135; 137-147; 149-186; 188-198; 198-218; 232-238; 1546; 1548). Portions of the village were previously determined eligible on a preliminary basis, and the present survey recommends additions to the previous area. Further fieldwork and research will be needed to finalize the boundary of any eligible historic district. However, for the purposes of this review the Commission accepts SEARCH's recommendation – on a preliminary basis – of the boundary shown on the maps and including the surveyed properties noted thereon. NOTE: we do not believe that SM #199, the Rt. 16 Bridge over the Kennebec River, should be considered for inclusion in the HD.
- Benedict Arnold Trail to Quebec, (SM #s 1288,1596), listed
- Garfield School, Kennebec River Road, Concord Twp. (SM #1269), eligible (previous determination)
- 259 Kennebec River Road, Concord Twp (SM #s 1544, 1279-1281), eligible (previous determination)
- Riverside Inn, 172 River Road, Bingham (SM #228), eligible (previous determination)
- Concord Haven, Route 16, Embden (SM #1259), listed
- Carrabasset Inn, 3 Union St, Anson (SM# 1161), listed
- 7 Winter Street, Anson (SM #1192), listed as part of the Temples Historic District
- 4, 9, 11 Madison Street, Anson (SM #s 1204-1208), listed as part of the Temples Historic District

- Henry Hardy Farm, 360 Weeks Mills Road, Farmington (SM #s1517,979-984), eligible (previous determination)
- Farmington Fairgrounds, 292 High Street, Farmington (SM #s, 948, 1609-1610), eligible (previous determination)
- Barn, 40 Turmel Road, Livermore Falls (SM #795), eligible (previous determination)
- Treat Cemetery, Fayette Road, Livermore Falls (SM #781), eligible (previous determination)
- Pleasant Hill Cemetery, Twelve Corners Road, Livermore Falls (SM #779), eligible (previous determination)
- Maine Central Railroad-Rumford Branch at East Livermore, River Road, Livermore Falls (SM# 715), eligible (previous determination)
- New Norland Grange Hall #580, River Road and Androscoggin Bluff Road, Livermore Falls (SM# 716), eligible (previous determination)
- Bowman Airfield, River Road, Livermore Falls (SM # 719), eligible (previous determination)
- Additon Farm, 6 Additon Road, Leeds (SM #s 627-633), eligible (previous determination)
- Valley Cemetery, 0.10 mile north of 343 Route 202, Greene (SM #580), eligible (previous determination)
- 208/308 US Route 202, Greene (SM #s 564-565), eligible (previous determination)
- Jackson's Pine Cone Cabins, 1101 Main Street, Lewiston (SM# 520), eligible (previous determination)
- 374 Randall Road, Lewiston (SM# 387), eligible (previous determination)
- St. Denis Catholic Church, Grand Army Road, Whitefield (SM#s 1368), listed
- Kings Mills Union Hall, 901 Townhouse Road, Whitefield (SM# 1395) listed
- Clough Meeting House, 32 South Lisbon Road, Lewiston (SM# 356), listed
- Dwyneff House, 4 Head Tide Road, Alna (SM#1420), contributing resource to the Register listed Head Tide Historic District
- Leslie Farm, 48 Dickinson Road, Wiscasset (SM #s 1447-1449), eligible (previous determination)
- 495 Birch Point Road, Wiscasset (SM #s 1547,1494-1502), eligible (previous determination)

The following properties are new determinations of eligibility:

- Lake Moxie Inn, 1103 Lake Moxie Road, The Forks Plt. (SM #s 14-17), determined by SEARCH
- Lake Moxie Camps, 38 Troudale Road, The Forks Plt., (SM #s 24-31), determined by SEARCH
- Bakers Station Work Crew Building, 1684 Troutdale Road, Bald Mountain Twp (SM #68), determined by SEARCH
- Bakers Station Work Crew Building, 1688 Troutdale Road, Bald Mountain Twp (SM #69), determined by SEARCH
- 26 Union Street, Anson (SM #s 1169-1170), determined by SEARCH
- 149 Main Street, Anson (SM #1060), determined by SEARCH
- Farmstead, 1294 Hilton Hill (Anson) Road, Starks (SM #s 1022-1033), determined by SEARCH
- Farmstead, 1195 Hilton Hill (Anson) Road, Starks (SM #s 1014-1020), determined by SEARCH. NOTE: The Commission is of the opinion that this farmstead and the one at 1294 Hilton Hill Road should be evaluated as a potential historic district.
- 177 Shaw Hill Road, Industry (SM #s 1003-1004), determined by SEARCH
- 513-520 Davis Road, Farmington (SM #s 969-972), determined by SEARCH
- 414 Farmington Falls Road, Farmington (SM #s 1524,919, 930-932), determined by SEARCH
- 810 Park Street, Livermore Falls (SM #s 738-739), determined by SEARCH

PHONE: (207)287-2132 FAX: (207)287-2335

- Auburn Road, 0.25 mile south of Poland Range Road, Pownal (SM #s 249-250), determined by SEARCH
- Saint Denis Catholic Church Historic District, Grand Army Road, Whitefield (SM# 1367-1371), eligible, determined by SEARCH

The following resources are potentially eligible pending further research. For purposes of the proposed project, these properties will be treated as eligible properties.

- Lost Camp, Lost Camp Road, Moxie Gore (SM #1600). Potentially eligible pending further research and documentation as to date of construction, original use and integrity; determined by SEARCH
- Farmstead, 327 Fahi Pond Road, Embden (SM #s 1251-1252), determined by SEARCH
- 57 North Main Street, Anson (SM #1218), determined by MHPC
- 84 North Main Street, Anson (SM #1222), determined by MHPC
- 905 River Road, Anson (SM #s 1159-1160), determined by SEARCH
- Madison Branch Railroad, Anson (SM #1146), determined by SEARCH
- 27 Hilton Hill Road, Anson (SM #s 1559-1561), determined by MHPC
- 77 Preble Avenue, Anson (SM #1117), determined by SEARCH
- Athearn House, Stark Road, Anson (SM #1055), determined by SEARCH
- Agricultural Outbuilding, 140 Hammond Road, Farmington (SM #878), potentially eligible pending further research as to original function; determined by MHPC
- 104 Belanger Road, Jay (SM #s 846-847), determined by SEARCH
- 65 East Jay Road, Jay (SM #s 1565,840-843), determined by SEARCH
- 197 Campbell Rd, Leeds (SM #686), determined by SEARCH
- Maine Central Railroad, Route 106, Leeds (SM# 699), determined by SEARCH
- 129 Fish Street, Leeds (SM #s 1514,665-666), determined by SEARCH
- Fairview Farm, 530 Fish St, Leeds (SM#s 1513,659-660), determined by SEARCH
- Benjamin Allen Farm, 102 North Mountain Road, Greene (SM#s 1511,617-621), determined by SEARCH
- 196 North Mountain Road, Greene (SM# 615), determined by SEARCH
- 168 Merrill Hill Road, Greene (SM#s 600-601), determined by MHPC
- 316 Route 202, Greene (SM# 568), determined by MHPC
- Pan Am Freight Line, crossing at Merrill Road, Lewiston (SM#s 487-488), determined by SEARCH
- 1237 Sabattus Street, Lewiston (SM# 422), determined by MHPC
- Clough Cemetery, South side of South Lisbon Road at intersection with Old Lisbon Road, Lewiston (SM # 352), determined by SEARCH
- Maine Central Railroad- Lewiston Branch, Lewiston (SM # 1528), determined by SEARCH
- Jeremiah Clough House, 41 South Lisbon Road, Lewiston (SM# 355), determined by SEARCH
- Lewiston Grange #2, 2 Crowley Road, Lewiston (SM # 373), determined by SEARCH
- 117 Royalsborough Road, Durham (SM#s 1529,318-322), determined by SEARCH
- 752 Lawrence Road, Pownal (SM#s 244-246,) determined by MHPC
- North Pownal Village Historic District (SM #s 253-290) potentially eligible pending further research and documentation as to the dates of construction, original owners/builders, and integrity of each of the resources; determined by SEARCH
- 373 Wiscasset Road, Whitefield (SM# 1410,) determined by MHPC
- 714 Wiscasset Road, Whitefield (SM# 1414), determined by MHPC

- 118 Philbrick Lane, Whitefield (SM#s 1387-1389), determined by MHPC
- 587 Townhouse Road, Whitefield (SM #1385), determined by SEARCH
- 116 Vigue Rd, Whitefield (SM# 1365), determined by MHPC
- Howe Road Cemetery, Whitefield (SM #1359), determined by MHPC
- 205 Gardiner Rd (SM#s 1374-1376), determined by MHPC
- 305 Gardiner Road (SM # 1378), determined by MHPC
- Greenlawn Cemetery, Rumerill Road, Wiscasset (SM# 1457), determined by SEARCH
- Rockland Branch Railroad, Two Bridge Road, Wiscasset (SM# 1478), determined by SEARCH

The Commission concludes that the following resources are not eligible for listing in the Register:

- Lake Moxie/Troutdale/Baker Station Historic District, not eligible because it lacks significance
- Over-The-Horizon-Backscatter Radar Transmitter Site, Stream Road, Moscow (SM #071), no longer eligible as antenna arrays have been removed
- Robert Garland Bridge, Main Street over Carrabasset River, Anson (SM #1174)
- 23 Horseback Road, Anson (SM #s 1125-1127)
- 29 Ward Street, Anson (SM #s 1119-1120), not eligible due to lack of integrity and significance
- Athearn Cemetery, Hilton Hill Road, Anson (SM #1034), not eligible due to lack of known significance in accordance with Criteria Consideration D
- 389 Davis Road, Farmington (SM #956)
- 216 Whittier Road, Farmington (SM #904)
- 372 Farmington Falls Road, Farmington (SM #917), not eligible due to lack of integrity and significance
- 293 Farmington Falls Road, Farmington (SM #s 918, 920-922), not eligible due to lack of integrity and significance
- Bailey Hill Dairy Farm, 639 Bailey Hill Road, Farmington (SM #s 1518,956,975-977)
- Barn, 348 McCrillis Corner Road, Wilton (SM #874)
- 481 McCrillis Corner Road, Jay (SM# 870)
- 50 Jones Road, Livermore Falls (SM #s 807-809)
- Souther Family Farm, 52 Souther Road, Livermore Falls (SM #s 788-794), not eligible due to loss of integrity and recent additions
- Haines Corner Cemetery, 890 Park Street (SM # 736), not eligible as it is unclear how the cemetery meets Criterion Consideration D
- 6 Dawns Way, Leeds (SM # 692)
- 201 Strickland Loop Road, Livermore Falls (SM#s 704-705)
- 14 Campbell Road, Leeds (SM # 677)
- Barker Farm, 9 Barker Road, Leeds (SM#s 1516,694-698), potentially eligible in the future but not eligible at present due to recent age of the house and several of the outbuildings
- 6 River Road, Greene (SM#s 543-544)
- Stukas Farm, 144 Ferry Road, Lewiston (SM #s 1530, 335-338)
- 19 Stackpole Road, Durham (SM#s 1527,311-315)
- 28 Durham Road, Durham (SM#s 1509, 291-292)
- 491 Auburn Pownal Road, Durham (SM #s 1510, 299-301)
- Bridge # 3249, South Belfast Road, Windsor (SM # 1304), not eligible
- Calvary Cemetery, 299 Grand Army Road, Whitefield (SM# 1366), not eligible as this cemetery is not historically associated with the existing St. Denis Historic District
- Bridge # 3831, East River Road, Whitefield (SM # 1408), not eligible

- 14 Pittston Road, Whitefield (SM# 1398), not eligible

Findings of Effect

The Commission concurs with SEARCH's finding of adverse effect for the following properties:

- E. Gray Farm, 1294 Hilton Hill (Anson) Road, Starks (SM#s 1022-1033). NOTE: This farmstead and the one at 1195 Hilton Hill Road (Anson) Road (SM#s 1014-1020) should be evaluated as a potential historic district.
- Barn, 40 Turmel Road, Livermore Falls (SM # 795)

The Commission concurs with SEARCH's finding of no adverse effect for the following properties:

- Lost Camp, Lost Camp Road, Moxie Gore (SM # 1600)
- Bakers Station Work Crew Building, 1684 Troutdale Road, Bald Mountain Twp (SM #68)
- Bakers Station Work Crew Building, 1688 Troutdale Road, Bald Mountain Twp (SM #69)
- Wyman Station, Moscow (SM #s 1286-1287)
- Benedict Arnold Trail to Quebec, (SM #s 1288,1596)
- Madison Branch Railroad, Anson (SM # 1146)
- 65 East Jay Road, Jay (SM #s 1565,840-843)
- Treat Cemetery, Fayette Road, Livermore Falls (SM #781)
- Maine Central Railroad, Route 106, Leeds (SM# 699)
- Maine Central Railroad-Rumford Branch at East Livermore, River Road, Livermore Falls (SM# 715)
- Pan Am Freight Line, crossing at Merrill Road, Lewiston (SM#s 487-488)
- Jackson's Pine Cone Cabins, 1101 Main Street, Lewiston (SM# 520)
- Maine Central Railroad- Lewiston Branch, Lewiston (SM # 1528)
- 117 Royalsborough Road, Durham (SM#s 1529,318-322)
- 587 Townhouse Road, Whitefield (SM #1385)
- Rockland Branch Railroad, Two Bridge Road, Wiscasset (SM# 1478)
- 495 Birch Point Road, Wiscasset (SM #s 1547,1494-1502)
- Lake Moxie Camps, 38 Troutdale Road, The Forks Plt., (SM #s 24-31)
- Bingham Village Historic District, (SM #s 112-135; 137-147; 149-186; 188-198; 198-218; 232-238; 1546; 1548)
- Garfield School, Kennebec River Road, Concord Twp, (SM #1269)
- 259 Kennebec River Road, Concord Twp (SM #s 1544, 1279-1281)
- Riverside Inn, 172 River Road, Bingham (SM #228)
- Concord Haven, Route 16, Embden (SM #1259)
- Farmstead, 327 Fahi Pond Road, Embden (SM #s 1251-1252)
- 905 River Road, Anson (SM #s1159-1160)
- 149 Main Street, Anson (SM #1060)
- Henry Hardy Farm, 360 Weeks Mills Road, Farmington (SM #s 1517,979-984)
- Farmington Fairgrounds, 292 High Street, Farmington (SM #s 948, 1609-1610)
- 414 Farmington Falls Road, Farmington (SM #s 1524,919, 930-932)
- 104 Belanger Road, Jay (SM #s 846-847)
- New Norland Grange Hall #580, River Road and Androscoggin Bluff Road, Livermore Falls (SM# 716)
- 197 Campbell Rd, Leeds (SM #686)

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- 129 Fish Street, Leeds (SM #s 1514,665-666)
- Fairview Farm, 530 Fish St, Leeds (SM#s 1513,659-660)
- Additon Farm, 6 Additon Road, Leeds (SM #s 627-633)
- Benjamin Allen Farm,102 North Mountain Road, Greene (SM# s1511,617-621)
- 374 Randall Road, Lewiston (SM# 387)
- Clough Cemetery, south side of South Lisbon Road at intersection with Old Lisbon Road, Lewiston (SM # 352)
- Auburn Road, 0.25 mile south of Poland Range Road, Pownal (SM #s 249-250)
- North Pownal Village Historic District, Pownal (SM #s 253-290)
- Kings Mills Union Hall, 901 Townhouse Road, Whitefield (SM# 1395)
- Dwynell House, 4 Head Tide Road, Alna (SM# 1420)
- Leslie Farm, 48 Dickinson Road, Wiscasset (SM #s 1447-1449)

The Commission has determined that the proposed project will have no effect on the following properties:

- 7 Winter Street, Anson (SM #1192)
- 4, 9, 11 Madison Street, Anson (SM #s 1204-1208)
- Carrabasset Inn, 3 Union St, Anson (SM# 1161)
- 26 Union Street, Anson (SM #s 1169-1170)
- 77 Preble Avenue, Anson (SM #1117)
- 177 Shaw Hill Road, Industry (SM #1003-1004)
- Pleasant Hill Cemetery, Twelve Corners Road, Livermore Falls (SM #779)
- 810 Park Street, Livermore Falls (SM #s 738-739)
- 196 North Mountain Road, Greene (SM# 615)
- Valley Cemetery, 0.10 mile north of 343 Route 202, Greene (SM #580)
- Clough Meeting House, 32 South Lisbon Road, Lewiston (SM# 356)
- Lewiston Grange #2, 2 Crowley Road, Lewiston (SM # 373)
- St. Denis Catholic Church, Grand Army Road, Whitefield (SM# 1368)
- St. Denis Catholic Church Historic District, Grand Army Road, Whitefield (SM#s 1367-1371)
- Greenlawn Cemetery, Rumerill Road, Wiscasset (SM# 1457)

In order to make a finding of effect for the following properties, we request that you provide visual simulations of the proposed project within their respective viewsheds:

- 1195 Hilton Hill Road (Anson) Road (SM#s 1014-1020). These simulations should take into consideration our conclusion that the farmstead at 1195 Hilton Hill Road and the one at 1294 Hilton Hill Road are a potential historic district.
- Bowman Airfield, River Road, Livermore Falls (SM # 719)
- 513-520 Davis Road, Farmington (SM #s 969-972)

In addition, please make a finding of effect for the following properties that were found to be potentially eligible by the Commission, but that were determined ineligible by SEARCH:

- 57 North Main Street, Anson (SM #1218)
- 84 North Main Street, Anson (SM #1222)
- 27 Hilton Hill Road, Anson (SM #s 1559-1561)
- Agricultural Outbuilding, 140 Hammond Road, Farmington (SM #878)
- 168 Merrill Hill Road, Greene (SM#s 600-601)
- 316 Route 202, Greene (SM# 568)
- 1237 Sabattus Street, Lewiston (SM# 422)

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- 752 Lawrence Road, Pownal (SM#s 244-246)
- 373 Wiscasset Road, Whitefield (SM# 1410)
- 714 Wiscasset Road, Whitefield (SM# 1414)
- 118 Philbrick Lane, Whitefield (SM#s 1387-1389)
- 116 Vigue Rd, Whitefield (SM# 1365)
- Howe Road Cemetery, Whitefield (SM #1359)
- 205 Gardiner Rd (SM# 1374-1376)
- 305 Gardiner Road (SM # 1378)

With regard to the Appalachian Trail, please submit any comments received concerning the effects of the proposed project on this resource. We will continue our review of the project's effect on this resource following your response to our request for more information.

We look forward to continuing the consultation with you. If you have any questions, please contact Megan M. Rideout of this office at megan.m.rideout@maine.gov.

Sincerely,

Kirk F. Mohney

Kirk F. Mohney
State Historic Preservation Officer

PHONE: (207) 287-2132 FAX: (207) 287-2335

MAINE HISTORIC PRESERVATION COMMISSION
55 CAPITOL STREET
65 STATE HOUSE STATION
AUGUSTA, MAINE
04333

JANET T. MILLS
GOVERNOR

KIRK F. MOHNEY
DIRECTOR

March 26, 2019

Mr. Jacob A. Freedman
SEARCH
55 Melville Ave
Boston, MA 02124

Project: MHPC #1148-17 Central Maine Power; New England Clean Energy Connect (NECEC) Above Ground Resources; Architectural Survey

Town: Various, ME

Dear Mr. Freedman:

In response to your recent request, I have reviewed the information received March 1, 2019 to continue consultation on the above referenced projects in accordance with Section 106 of the National Historic Preservation Act of 1966, as amended (NHPA).

Findings of Effect

Pursuant to 36 CFR Part 800.5(a)(2), the Commission has determined that the proposed project will have an adverse effect on the following historic properties:

- 1195 Hilton Hill Road (Anson) Road (SM#s 1014-1020). This farmstead and the one at 1294 Hilton Hill Road are a potential historic district.
- Bowman Airfield, River Road, Livermore Falls (SM # 719)

The Commission concurs with SEARCH's finding of no adverse effect for the following historic properties:

- 57 North Main Street, Anson (SM #1218)
- 84 North Main Street, Anson (SM #1222)
- 27 Hilton Hill Road, Anson (SM #s 1559-1561)
- 1237 Sabattus Street, Lewiston (SM# 422)
- 118 Philbrick Lane, Whitefield (SM#s 1387-1389)
- 714 Wiscasset Road, Whitefield (SM# 1414)

The Commission concurs with SEARCH's finding of no effect for the following historic properties:

- Agricultural Outbuilding, 140 Hammond Road, Farmington (SM #878)
- 168 Merrill Hill Road, Greene (SM#s 600-601)
- 316 Route 202, Greene (SM# 568)
- 752 Lawrence Road, Pownal (SM#s 244-246)
- Howe Road Cemetery, Whitefield (SM #1359)
- 373 Wiscasset Road, Whitefield (SM# 1410)
- 116 Vigue Rd, Whitefield (SM# 1365)
- 205 Gardiner Rd (SM# 1374-1376)

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- 305 Gardiner Road (SM # 1378)

The Commission has determined that the proposed project will have no effect on 513-520 Davis Road, Farmington (SM #s 969-972).

With regard to the Appalachian Trail, the Commission encourages CMP and its consultant to consult with the National Park Service's Appalachian National Scenic Trail Headquarters in Harper's Ferry, West Virginia regarding the proposed project's impact to the Appalachian Trail.

Based on the information that has been provided, the Commission concludes that the proposed project will have an adverse effect on the Appalachian Trail.

In accordance with 36 CFR Part 800.6(a), the responsible agency must seek ways to avoid, minimize or mitigate the adverse effects on these historic properties. If an ACOE permit is needed, we request that the responsible agency enter into a Memorandum of Agreement (MOA) with our office for this undertaking which includes stipulations for mitigation for this project.

Per the Section 106 regulations, the ACOE must notify the Advisory Council on Historic Preservation (ACHP) of our adverse effect finding and invite them to participate in consultation pursuant to 36 CFR Part 800.6(a)(1). They must include with their notice to the ACHP all the documentation specified in 36 CFR Part 800.11(e). There is a 15-day period for their review from day of receipt.

We look forward to continuing the consultation with you. If you have any questions, please contact Megan M. Rideout of this office at megan.m.rideout@maine.gov.

Sincerely,

Kirk F. Mohney

Kirk F. Mohney
State Historic Preservation Officer

PHONE: (207) 287-2133 FAX: (207) 287-2335

Exhibit 8-2: Technical Memorandum – Above Ground Historic Resources

TECHNICAL MEMORANDUM
NEW ENGLAND CLEAN ENERGY CONNECT
ABOVE GROUND HISTORIC RESOURCES REVIEW OF THE ISSUED FOR CONSTRUCTION DESIGN

CONSULTANT:	SEARCH 55 Melville Avenue, Boston, Massachusetts 02124
PROJECT MANAGER:	Jacob Freedman, MA, RPA
CLIENT:	Central Maine Power Company, Augusta, Maine
DATE:	November 2020
SEARCH PROJECT NUMBER:	E19041
MHPC REVIEW NUMBER:	1148-17

INTRODUCTION

SEARCH Inc. (SEARCH) conducted a desktop review of previously unsurveyed areas of the indirect and direct areas of potential effects (APEs) of the New England Clean Energy Connect (NECEC) Project (Project) under the issued for construction (IFC) design. NECEC will deliver renewable energy from Hydro-Quebec to the New England Control Area. Federal review is undertaken by the US Department of Energy (DOE; lead agency) and the U.S. Army Corps of Engineers (USACE; lead agency). State review is undertaken by the Maine Department of Environmental Protection (MDEP), the Maine Public Utilities Commission (MPUC), and the Maine Land Use Planning Commission (LUPC).

The proposed Project is 322.4 kilometers (km) (200.4 miles [mi]) long, crosses portions of seven counties, 24 municipalities, and 15 unorganized territories within the State of Maine, and is composed of new and rebuilt transmission lines and their associated substations. The Project extends from the Canadian border to the Surowiec Substation in Pownal and from the Coopers Mills Substation in Windsor to the Maine Yankee Substation in Wiscasset. The indirect APE for the Project was determined by Maine Historic Preservation Commission (MHPC) to consist of a 0.8-kilometer (km; 0.5-mile [mi]) buffer on either side of the Project centerline (CL). The direct APE was determined by MHPC to consist of the entire right-of-way (ROW) width or facility footprint where ground-disturbing activities could take place. MHPC's APE definitions were adopted by the USACE for Section 106 consultation.

A scope of work (SOW) for reconnaissance survey was approved by the Maine Historic Preservation Commission (MHPC) on September 7, 2017; however, that SOW was modified at the request of MHPC during a project consultation meeting on July 12, 2018. In August 2018, SEARCH submitted *An Above Ground Historic Resources Survey Identification Report* to MHPC (Dunham et al. 2018a). In October 2018, SEARCH submitted *A Revised Above Ground Historic Resources Survey and Finding of Effects Report* to MHPC (Dunham et al. 2018b). In December 2018, SEARCH submitted to MHPC an addendum to the revised report (Dunham et al. 2018c). In May 2019, SEARCH submitted the *Technical Memorandum: New England Clean Energy Connect*

Phase I Archaeological and Architectural History Survey, Addendum 5: Merrill Road Converter Station (Clement 2019). MHPC issued comment letters on January 18, 2019 and June 12, 2019 that addressed the survey results presented in Dunham et al. 2018b/2018c and Clement 2019 respectively. The USACE concurred with MHPC's conclusions in a March 11, 2020 letter. This consultation was based on the issued for permit (IFP) design developed in 2017 and consideration of viewshed impacts within a 0.8 km (0.5 mi) buffer of the proposed ROW. These findings led to the development of treatment plans to address adverse project impacts and execution on June 19, 2020 of a memorandum of agreement (MOA) that included stipulations to implement these treatments.

ANALYSIS

SEARCH'S review of the IFC design identified minor variations including additional temporary access roads, revisions to structure locations, and shifts in the proposed clearing limits and/or right-of-way. These modifications to the Project's direct APE have been previously surveyed and reported on with regard to the Project's indirect APE. The IFC's indirect APE was then compared to the IFP survey area and seventeen areas of unsurveyed ROW shifts totaling 19.9 hectares (ha; 49.2 acres [ac]) and ranging in size from 0.1 to 4.4 ha (0.2 to 10.8 ac) were selected for pedestrian reconnaissance. Unsurveyed ROW shifts under 0.1 ha (0.2 ac) and temporary impact areas were subject to desktop review only. No new above ground resources were identified through pedestrian reconnaissance or desktop review. Physical (direct) and visual (indirect) impacts from the proposed design modifications were also reviewed relative to National Register of Historic Places (NRHP) eligible or listed properties previously identified through Project consultation. No changes to the intensity or nature of the Project's physical or visual impacts on NRHP eligible or listed properties were noted.

RECOMMENDATIONS

SEARCH recommends no additional survey for above ground historic resources based on its pedestrian reconnaissance and desktop review of changes to the Project's direct and indirect APEs under the IFC design. In addition, SEARCH does not recommend changes to the finding of effects or treatment plans previously developed for the Project.

REFERENCES CITED

Clement, Christopher
2019 *Technical Memorandum New England Clean Energy Connect, Phase I Archaeological and Architectural History Survey, Addendum 5: Merrill Road Converter Station. Report prepared for Central Maine Power Company, Augusta, Maine*. Report on file, Maine Historic Preservation Commission.

Dunham, Jenna, Laurel Bartlett, Maureen Bowman, Pamela Kendrick, Tricia Peone, and Angelique Theriot
2018a Above Ground Historic Resources Identification Survey Report New England Clean Energy Connect Androscoggin, Cumberland, Franklin, Lincoln, Sagadahoc, Somerset, and Kennebec Counties, Maine. Report on file, Maine Historic Preservation Commission.

Dunham, Jenna, Laurel Bartlett, Chad Blackwell, Liz Blackwell, Lauren Poche, Maureen Bowman, Pamela Kenrick, Nick Linville, Tricia Peone, and Angelique Theriot
2018b Revised Above Ground Historic Resources Identification Survey, NRHP Evaluation, and Finding of Effects Report, New England Clean Energy Connect: Androscoggin, Cumberland, Franklin, Lincoln, Sagadahoc, Somerset, and Kennebec Counties, Maine. Report on file, Maine Historic Preservation Commission.
2018c Addendum to Revised Above Ground Historic Resources Identification Survey, NRHP Evaluation, and Finding of Effects Report: Androscoggin, Cumberland, Franklin, Lincoln, Sagadahoc, Somerset, and Kennebec Counties, Maine. Report on file, Maine Historic Preservation Commission.

Exhibit 12-1: Merrill Road Converter Station Stormwater Management Report

Stormwater Management Plan
for the New England Clean Energy Connect
Merrill Road Converter Substation

Prepared by and for:

NECEC Transmission LLC
One City Center, 5th Floor
Portland, Maine 04101

Central Maine Power Company
83 Edison Drive
Augusta, Maine 04336

Issued for Permit, December, 2020

STATE OF MAINE
ROSS
A.
CUDLITZ
LIC. # 5865
LICENSED PROFESSIONAL ENGINEER

Ross A. Cudlitz PE

WITH MY PERMISSION AND
KNOWLEDGE, I AFFIX THIS
ELECTRONIC SEAL & SIGNATURE
DECEMBER 27, 2020

Internal Use

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Internal Use

1.0 STATEMENT OF COMPLIANCE/RESPONSIBLE PARTIES

This Stormwater Management Plan has been prepared for the New England Clean Energy Connect project and conforms to the requirements of the Stormwater Best Management Practices Manual (Manual) and Maine Stormwater Law, unless otherwise stated. This report has been prepared for specific application to the proposed electrical substation referred to as the Merrill Road Converter Substation (Substation) in the City of Lewiston in Androscoggin County, Maine, in accordance with generally accepted engineering practice common to the local area and type of project. This report revises and updates previous submissions issued for permitting, in support of preparation of final plans for the construction of the project. In the event that further changes in the nature, design or location of the project specifics are planned or implemented by the Owner, Central Maine Power Avangrid (CMP), or contractor (Site Operator), the conclusions and recommendations contained in this report should be updated and verified in writing, approved by the Owner and Maine Department of Environmental Protection (DEP), and all applicable regulatory agencies, and the affected documents are maintained and updated as required herein.

This Stormwater Management plan was prepared by Ross A. Cudlitz, PE, (CPESC, CPSWQ, CESSWI, CPMSM) of Central Maine Power. Ross is Civil Engineer at CMP in the position of Lead Civil Substation Engineer for NECEC and has over forty-two years of engineering experience involving civil engineering and site design, stormwater management, residential and commercial, construction Field Engineering, Low Impact Development (LID) design, water quality management, and erosion controls. Ross is a graduate (1978) of the University of New Hampshire, Department of Engineering and a practicing licensed Civil Engineer with a solid background in urban land and commercial development and substation civil aspects. He is a nationally Certified Professional by ENVIROCERT International, Inc. in Erosion and Sediment Control (CPESC #2400), Storm Water Quality (CPSWQ #0101), Erosion / Sediment / Stormwater Inspection (#0390), Municipal Storm Water Management (#0378), and is certified by Maine DEP as a Third Party Inspector and in design of Erosion Control Practices.

It is the responsibility of the site owner and the site operator to implement this plan for the project to be fully incorporated and maintained as part of a project Storm Water Pollution Prevention Plan (SWPPP) for all activities at the site, including all attachments, amendments and inspection records, and to make all records available for inspection by DEP during and after construction. The site owner, the site operator, and the designated site inspector are required to review the this plan and all associated drawings and specifications, as well as, the primary contractor (if different) and all subcontractors (if applicable) involved in earthwork or exterior construction activities before construction begins.

Internal Use

2.0 INTRODUCTION

2.1 MERRILL ROAD CONVERTER SUBSTATION

Central Maine Power Avangrid (CMP) is proposing a new electrical substation on Merrill Road in the City of Lewiston in Androscoggin County, Maine. The proposed electrical substation will be referred to as the Merrill Road Converter Substation (Substation). The Substation is part of the larger New England Clean Energy Connect (NECEC) Project by CMP. The overall NECEC project has been submitted, as a whole, to the Maine Department of Environmental Protection (DEP) for permitting purposes and requires a Site Location of Development Permit (SLODA). The project is required to meet the Stormwater Management Law standards including Basic, General and Flooding Standards as described in DEP Chapter 500 which are addressed in this Stormwater Management Plan. These standards will be met using several temporary and permanent stormwater management and erosion and sedimentation control Best Management Practices (BMPs).

The approach to stormwater management is based on the DEP rules and stormwater BMPs necessary to control runoff rates (flooding standard) and meet the requirements for channel protection and water quality through the use a Permeable Crushed Stone Substation Surface and two Grassed Under-Drained Soil Filter basins (GUDSF) for stormwater treatment and runoff detention. However, consideration is given for the use of Low Impact Development (LID) design philosophy, where practical, and the substation surface will be a self-crediting permeable stone surface for treatment and reduction of runoff. As a result, the GUDSF basins are reduced in size for treatment of only the access road and pervious vegetated developed areas. All of the proposed impervious buildings and equipment enclosures or pads will infiltrate into the gravel filter via the Permeable Substation Surface BMP to capture and treat the roof runoff at the source. There is a significant portion of the projects impervious area which is linear, including the access roads, and the GUDSFs have been further reduced in size to account for these linear portions of impervious and developed area.

To meet the Maine general standards for stormwater quality, a project's stormwater management system must include treatment measures that will mitigate for the increased frequency and duration of channel erosive flows due to runoff from frequent smaller storms, provide for treatment of pollutants in stormwater, and mitigate potential temperature impacts. This must be achieved by using water quality treatment BMPs to control runoff from no less than 95% of the project's impervious area and no less than 80% of the project's total developed area. For linear portions of a project, the required water quality volume may be reduced to no less than 75% of the volume from the impervious area and no less than 50% of the developed area that is impervious or landscaped.

The proposed project's stormwater management system and treatment BMPs capture and treat 99.2% of the project "new impervious" areas (100% of station and 86% of linear road access) and 86.4% of the total project new developed area (86% non-linear and 58.3% of linear) which includes area that is impervious or landscaped. This meets the general standards minimum treatment requirements of 95% and 80% respectively.

Internal Use

The stormwater requirements are met using Grassed Underdrained Soil Filters, and Permeable Crushed Stone Substation Surface (Substation BMP) for treatment, and stormwater detention. The project meets the DEP flooding standard, channel protection, and water quality requirements of the Stormwater General Standards per Chapter 500. The locations of the GUDSFs and BMPs are shown on the Post-Development Stormwater Plan.

2.2 MINOR REVISIONS AFTER THE DEP MAY 2020 APPROVAL

There are a few minor changes included in this Stormwater Management Plan as a result of detailed final design and site adaptation for construction of the Substation facilities. Central Maine Power Company/Avangrid has provided final layout and general arrangement for the substation buildings and yards. These revisions are minor and did not result in significant impacts, but generally reduced the overall footprint and related impacts. These revisions are described below.

- The substation access road as originally submitted (2017) was relocated from Merrill Road to Main Street (RT 202). The access road has been shortened and now is aligned diagonally from southwest to northeast where it meets the substation pad at the originally proposed location. This new alignment reduced wetland impacts and eliminated two of three previously proposed water quality treatment ponds which were to be constructed in wetland areas. There are now only two grassed under drained filter basin treatment ponds associated with the access; one is in upland along the access road and one is adjacent to the pad as previously permitted. This Stormwater Management Plan updates this revised plan to include the final substation and access road layout and developed areas.

- This revision results in the fill slope in the NW corner of the pad no longer extending into the 25 foot no disturbance zone of the intermittent stream, hence reducing the pad foot print slightly, and will be incorporated as a revision to the MDEP's Site Law and NRPA permits.

- The grade of the substation was flattened from 2% to 0.75% which substantially lowered the elevation at the southeast corner of the substation. As a result, the substation pad footprint was reduced by 40 feet on the east side and the vegetated slope length (not percent grade) was increased accordingly.

3.0 METHODOLOGY

We used the NRCS (National resource Conservation Service, formerly SCS) method for estimating peak runoff rates. This method accounts for soil types, existing land use, topography, vegetative cover and proposed land use for the developed portions of the property. For this study, a derivative of the NRCS TR-20 computer modeling method was used within HydroCAD 10.00-20 software. We evaluated the pre-development and post-development conditions for the proposed site in order to assess the magnitude of peak stormwater flows, drainage patterns, flow velocities, etc. for the site.

The Pre-Development and post-Development drainage subcatchment areas are defined in our Stormwater Model for the purpose of evaluating drainage impacts. These areas are essentially the same

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as presented in the Stormwater Management System report prepared for permitting by Power Engineers (PE), and previously reviewed by DEP, but with minor and insignificant differences associated with use of different software and models, and inclusion of the minor changes referred to in Section 2.2. A few minor adjustments were included in the Post-development conditions, as a result of the minor grading changes and revised General Arrangement (GA) for the substation area as part of the final design process, which affects only those few subcatchments where these changes occur.

The GUDSF (Gravel Under Drain Soil Filter) and BMP sizing and capacity, as shown on the HydroCAD diagrams and Pre-development and Post- Development drainage plans, are representative of the preliminary design by PE, but with some slight revisions to input data, as a result of the minor changes for final design and construction. Complete stormwater calculations are provided in the Appendix for compliance with DEP Flooding Standards and Stormwater General Standards, as required for Site Location of Development projects in accordance with Maine Stormwater Law.

Low Impact Development design and treatment measures are implemented, where practical, which inherently produce a unified systematic approach to stormwater management for stream protection and water quality treatment dispersed throughout the entire project. The proposed BMPs will capture roof runoff, pavement drainage, runoff from the substation and vegetated developed areas locally at the source and discharge treated stormwater runoff generally as sheet flow and provide attenuation of Post-development flows from the detention pond in order to meet the DEP requirements for the Flooding Standard. Each of the GUDSF basins has a unique drainage subcatchment representing the area to be treated by each BMP. The vegetated drainage swales will convey runoff into these BMPs and several outlet aprons, and level spreaders will convert the outfall discharge to sheet flow.

4.0 DOWNSTREAM WATERBODIES AND RESOURCES

The substation site is located within the Lower Androscoggin River Watershed. Runoff from the site drains to a small un-named intermittent stream segment prior to discharge Stetson Brook within 1000 feet downstream from the site. Runoff from the site flows north to Stetson Brook, and then to the Androscoggin River. The river flows to Merrymeeting Bay, then to the Kennebec River and discharges into the Atlantic Ocean.

There are several identified isolated forested and stream associated and wetlands on the site. These are mostly low-lying wetlands and small fingers in the existing drainage swales and along the small un-named intermittent stream. There are a few small emergent marsh wetlands and non-significant vernal pools adjacent to the access road and substation. These areas will not be directly disturbed or impacted by the proposed development and will remain in existing condition. Wetland impacts are addressed in the accompanying NRPA permit for the NECEC project.

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5.0 REGULATORY REQUIREMENTS

5.1 MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP)

5.1.1 Site location of Development Act (SLODA)

This project is a portion of a development of state or regional significance that may substantially affect the environment and will be permitted under SLODA. This project must meet the standards for development pursuant to Site Law 38 M.R.S.A. §484. This project must also meet the stormwater management standards pursuant to the Stormwater Law 38 M.R.S.A. § 420-D and Erosion and Sedimentation Control Law 38 M.R.S.A. §420-C.

5.1.2 Stormwater Law (DEP)

MDEP Chapter 500, Stormwater Management Rules describe the stormwater management requirements for new development projects. These rules describe performance standards in five major categories: Basic Standards; General Standards; Phosphorus Standards; Urban Impaired Stream Standards; and Flooding Standards. This project is not required to meet the Phosphorus Standards or Urban Impaired Stream Standards. The following sections describe how the project will address the applicable standards

5.1.2.1 Basic Standards

A project disturbing one acre or more must meet the basic standards. Basic standards address erosion and sedimentation control, inspection and maintenance, and housekeeping measures. The proposed development will result in more than one acre of disturbance. The basic standards are various erosion and sedimentation controls and include housekeeping requirements. Please refer to the project plans, details, notes and narratives for detailed information regarding compliance with the Basic Standards in Section 14 of the NECEC SLODA permit application.

The proposed Substation project will disturb more than one acre of land, requiring compliance with the Basic Standards as described in DEP Chapter 500 Section 4B. In order to meet the basic Standards, the proposed project will be required to address the following as described herein:

- Erosion and Sedimentation Control
- Inspection and Maintenance
- Housekeeping

5.1.2.1.1 Erosion and Sedimentation Control

Exhibit 14-1 of the NECEC SLODA application contains the manual “Central Maine Power Company Environmental Guidelines for Construction and Maintenance Activities on Transmission Line and Substation Projects”. This manual addresses general erosion and sedimentation control measures used in many previous transmission and substation projects and has been reviewed and approved by DEP. The manual was developed to be consistent with the Maine Erosion and Sediment Control Practices Field

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Guide for Contractors, 2015, and DEP's Chapter 500. Specific erosion and sedimentation control BMPs for the Substation project are indicated on sheet 1085-003-006 SH 001 & SH 002 Erosion Control Plan 1 and 2. Details of the measures proposed are shown on sheet 1085-003-006 SH 003 Erosion Control Details 3 and sheet 1085-003-006 SH 004 Erosion Control Details 4. Sheet 1085-003-006 SH 006 Erosion Control Plan 6 presents a plan for implementing these measures at the site.

5.1.2.1.2 Inspection and Maintenance

CMP will ensure that a qualified inspector or design engineer inspects the construction site periodically to verify that the stormwater BMPs are constructed in accordance with the plans and specifications shown on the design drawings, and, as needed, during any period when construction activity affecting the stormwater management system occurs, until the site is permanently stabilized. Inspection and Maintenance procedures for the proposed substation are described below. BMP Inspection & Maintenance Checklists and BMP Inspection & Maintenance Logs for each site have been enclosed in Appendix A. The BMP Inspection & Maintenance Checklists outline the required inspection frequency and requirements, and maintenance and cleanout thresholds for each BMP measure. The enclosed BMP Inspection & Maintenance Logs include specific inspection guidelines for each BMP measure and are the documentation portion of this Plan.

5.1.2.1.3 Scheduled Inspections

Prior to completion of construction, CMP shall designate a CMP Supervisor or a contractor as the Site Inspector. Inspection requirements for each individual BMP and measure are specified on the Inspection & Maintenance Checklists in the Appendix.

- QUARTERLY: Inspections of stormwater conveyance, control and treatment measures at each location are to be performed on a quarterly basis throughout the year during construction or periods of inactivity until project completion. Inspections during winter months may encounter snow and ice cover, frozen ground, snow embankments, dormant vegetation, etc. In these situations, the inspector must use best judgment for interpreting these inspection and maintenance requirements, in order to meet the stated objectives and the intent of this Plan. The inspection should identify and prevent problems and plan for maintenance in advance of the spring thaw such as removing snow piles if they obstruct drainage paths, repairing any damage from snow plows, frost heaves, etc.

- FOLLOW-UP: Additional follow-up inspections will be performed, as needed or recommended, depending on the results of routine and scheduled inspections and observed site conditions, under the direction of the CMP Supervisor. Maine DEP personnel or inspectors shall be permitted to enter the site upon notification to site operator (contractor) or CMP Supervisor.

5.1.2.1.4 As-Needed Maintenance

Maintenance is to be performed on an as-needed basis, and in accordance with comments and recommendations made by the Site Inspector. Routine maintenance will include the immediate repair of eroded channels or gullies; reseeding or sodding of bare ground; removal of trash, leaves and sediment;

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and control of vegetation. Maintenance issues associated with specific areas and stormwater facilities at each Site are identified on the Inspection & Maintenance Checklists in Appendix A-1. Disposal of all sediment, debris, and waste shall be in accordance with Maine Solid Waste Management Rules, Chapter 400.

5.1.2.1.5 5-Year Re-Certification

CMP will arrange or provide a mandatory inspection and certify the following to the Maine DEP within three months of the expiration of each five year interval from the date of issuance of the permit:

- All areas of the project site have been inspected for areas of erosion, and appropriate steps have been taken to permanently stabilize these areas.
- All aspects of the stormwater control system have been inspected for damage, wear, sedimentation, erosion, and malfunction, and appropriate steps have been taken to repair or replace the facilities.
- The erosion and stormwater maintenance plan for the site is being implemented as written, or modifications of the plan have been submitted to and approved by the department, and the maintenance log is being maintained.

5.1.2.1.6 Housekeeping Plan

Housekeeping responsibilities include the control or elimination of pollution not specifically related to soil erosion such as spill prevention, dust control, litter removal and groundwater dewatering. Housekeeping is addressed within this narrative and on sheet 1085-003-006 SH 005 Erosion Control Plan 5 for the Merrill Road Converter Substation.

5.1.2.2 General Standards

To meet the general standards, a project's stormwater management system must include treatment measures that will mitigate for the increased frequency and duration of channel erosive flows due to runoff from smaller storms, provide for effective treatment of pollutants in stormwater, and mitigate potential temperature impacts. This must be achieved by using one or more of the approved methods to control runoff from no less than 95% of the impervious area and no less than 80% of the developed area (reduced to 75% and 50% for linear portions) that is impervious or landscaped.

This project creates more than 1 acre of new impervious area and more than 5 acres of disturbed vegetated area. General standards require the capture and treatment of a calculated percentage of project's impervious and developed area as stated above. For the purpose of determining the level of permitting and treatment required, the substation yard is considered as impervious area to be treated. For this project we are providing stormwater management BMPs for treating required levels of new impervious and developed areas. Therefore, the project meets the requirements of the stormwater General Standards as follows.

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5.1.2.2.1 Stormwater Treatment BMPs

Stormwater treatment will be accomplished at the Substation, using two separate treatment measures.

The access to the Substation will be a paved road and will be drained via sheet flow and using open conveyance channels. Runoff from the road, up to within 50 feet of the substation, will be treated to meet the requirements under Chapter 500, Section 4.C (5) (C) - Exceptions from the general standards for Linear portion of a project. This paved access road will be treated using Grassed Under-drained Soil Filters. A portion of the paved access road sited on significant wetland areas meet the requirements of Chapter 500, Section 4.C(5) (E) – Exemption from the general standards for Wetland Road Crossing. These portions of the road crossing the wetland will include a permeable road base (Rock Sandwich) BMP to reduce wetland impact and to preserve the natural drainage of these wetlands, and are not required to meet the general standards.

The substation yard will be treated in-place via filtration through an 18”-thick layer of gravel below the stone surface. This *Crushed Stone Substation Surface (Substation BMP)* is approved by DEP in a letter from the Director, Watershed Management Division included in Appendix C. This BMP is self-crediting for meeting the requirements of Chapter 500, General Standards for water quality.

Rooftops and impervious surfaces in the yard will also be treated in the Substation BMP. Developed areas outside the substation pad will discharge to open vegetated drainage channels around the substation pad which will flow to Soil Filter #1, where additional detention will also be provided for the 2-year, 10-year and 25-year storms to meet the Flooding Standard. The soil filter/detention basin will discharge through a plunge pool to the north of the station. The stormwater treatment measures, and the areas that are treated by each, are depicted on sheet 1085-003-004 SH 006 Post-Development Stormwater Plan.

5.1.2.2.1.1 Crushed Stone Substation Surface (Substation BMP)

DEP has provided yard construction requirements and specifications that allow the General Standards requirements to be met for the substation pad, and no further water quality treatment of stormwater from the pad itself is required.

The DEP letter describing the construction requirements is included with this submission as Appendix C. The substation surface is comprised of 6” layer of crushed stone. The crushed stone is supported by 18” of permeable gravel base which acts to filter stormwater runoff as it passes through the stone surface through the gravel filter and into the subgrade soil below. The typical crushed stone surface detail is shown on sheet 1085-003-002 SH 001 Civil Site Details 1. As designed, the substation includes an additional 2” of crushed stone above the 4” minimum requirement, creating a 6” layer. The additional crushed stone layer down slope of the buildings, and various concrete pads and foundations throughout the yard will allow the crushed stone surface to absorb and dissipate the runoff from the roof driplines and concrete foundations and structures to capture and treat each of these impervious areas. Calculations for treatment of runoff from the substation have been provided on the Post-Development Stormwater Plan for the Merrill Road Converter Substation. Groundwater dewatering has been addressed with a system of perforated piping for foundation drainages and cut-off drains, which runs below the frost line in the

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excavated regions of the station pad and around the foundations of the buildings and equipment pads. The groundwater dewatering system (1085-0006-002 SH 002) is designed to prevent the migration of groundwater into the 6” station crushed stone and 18” gravel base.

5.1.2.2.1.2 Grassed Underdrain Soil Filter

Runoff from the pervious vegetated developed areas as well as parts of the paved access road will be treated in the Grassed Underdrain Soil Filters. Pretreatment will be accomplished by flowing runoff through a vegetated swale and into pre-treatment forebays before entering the filter area.

The GUDSFs are comprised of an 18”-thick layer of a specified silty sand and organic material mix. The underdrain system consists of 4” perforated pipe within a 12”-thick layer of drainage stone. A detail of the GUDSFs is shown on sheet 1085-003-002 SH 006 Civil Site Details 6. Included within the outlet controls for the soil filters are orifices which control and discharge the treatment volume from the underdrain outlets with a dewatering/release time between 24 and 48 hours as shown GUDSF soil filter sizing and hydrographs in Appendix D.

The hydrologic modeling (HydroCAD) report for the entire project site, including station and access road, is included with this submission in Appendix E and Appendix F. The report was generated based on SCS TR-20 methodology. The report illustrates how the site drainage and stormwater management infrastructure will function during the 2 - year, 10 – year, and 25 - year design storm events. The modeling results were used to confirm that adequate water quality volume (WQV) will be provided below the primary outlet in both filters.

5.1.2.2.1.3 Permeable Road Base

The proposed paved access road includes a fairly long crossing through existing wetlands. At these locations the road will be built on a rock sandwich road base which will allow water to freely pass beneath the road to be discharged as sheet flow downgradient of the road. The rock sandwich will consist of a 12” thick (minimum) layer of 3” – 6” diameter stone sandwiched between layers of permeable geotextiles and filter fabric. The roads with rock sandwich base will be used to cross the existing low-lying wetlands to maintain sheet flow through the wetland areas. The rock sandwich will be constructed to adhere to Chapter 8.4 of the BMP Technical Design Manual (Permeable Base Material).

Per Chapter 500 [Section 4.C.(5)(e), Page 12]; wetland road crossings that provide a passage for flows are exempt from the requirement to meet the General Standards. Approximately 440 linear feet of access road is exempt from the requirement to meet the General Standards.

5.1.2.2.1.4 Stormwater Treatment Calculations

In order to meet the General Standards, the proposed project must use DEP approved treatment measures for at least 95% of the proposed impervious area and 80% of the proposed developed area at the substation site except for the linear portion of the project where treatment is reduced to at least 75% of impervious access road and 50% of the linear developed area surrounding the road excluding the areas constructed with rock sandwich which is exempt from these standards.

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At the Substation 100% of impervious area is treated, and approximately 86% of the developed area is treated. At the linear portion including the access road to the Substation, 86% of linear impervious area is treated, and 58% of linear developed area is treated. Stormwater treatment calculations for the Merrill Road Converter Substation are shown on sheet 1085-003-004 SH 006 Post-Development Stormwater Plan.

5.1.2.3 Flooding Standard

A project resulting in three acres or more of impervious area, or 20 acres or more of developed area, requires that the flooding standard must be met. Stormwater management systems for these projects must detain, retain, or result in the infiltration of stormwater from 24-hour storms of the 2-year, 10-year, and 25-year frequencies such that the peak flows of stormwater from the developed project site do not exceed the peak flows of stormwater prior to undertaking the project. The project is required to meet the Flooding Standard and requires no increase in peak stormwater runoff as a result of the proposed development to be attenuated to the existing conditions peak flow rates for the design storms or less.

The project includes several Stormwater Best Management Practices to provide and treat required amounts of impervious and non-impervious developed areas. The developed conditions or Post-development peak flows of stormwater do not exceed the existing peak flows of stormwater prior to undertaking the project.

The site is situated on Hydrologic Soil Group (HSG) Type A, Type C and Type D soils based on drainages characteristics. Predeveloped and post-developed Curve Numbers representing the cover type and conditions of the existing site and for the developed project were calculated for each subcatchment drainage areas as presented in the HydroCAD calculations in Appendix E and Appendix F and on the project drainage area maps (Sheets 1085-003-004 SH 005 and SH 006).

The DEP letter describing the construction specifications and requirements for the Crushed Stone Substation Surface also prescribes equivalent Curve Numbers for use when calculating runoff from the stone surface. This letter prescribes Curve Numbers for the stone substation surface of 55 and 60 where situated over HSG Type C and Type D soils respectively. Existing drainage patterns have been maintained to the extent practicable, and runoff rates from the developed site are calculated and compared to the existing rates at the same analysis points for pre-development and post-development conditions. Due to the design characteristics of the developed site, the predevelopment subcatchment drainage areas were split for a few areas to define the developed areas and isolate the flow to the stormwater BMPs, but the combined post development drainage areas associated with the overall original subcatchments are analyzed at each of the same analysis points for final comparison to the pre-development runoff. The sizes of the existing drainage areas discharging to each analysis point and times of concentration have not been significantly altered with this project.

Due to the decreased Curve Numbers for the stone station pad and modified grades, the post-development peak flows rates were less than the pre-development peak flows from the substation pad drainage areas. In order to attenuate the post-development peak runoff rates for developed areas

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outside the pad where the curve numbers increased stormwater detention is required. Stormwater detention and storage is provided in the basin included in or adjacent to the grassed underdrain soil filters. A maximum of 18” of flooding storage depth above the required water quality volume elevations in both grassed underdrain soil filters is proposed. The proposed on-site stormwater detention will provide sufficient capacity to meet the Flooding Standard Requirements at each analysis point, typically evaluated at the site boundaries where runoff leaves the property.

At each analysis point, the post-development 2 – year, 10 – year, and 25 – year design storm peak flows were calculated to be lower than predevelopment peak flows. See the tables below for the pre- and post-development peak flows at each analysis point.

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Pre-Development Peak Flow Rates

Analysis Point	2-Year Flow Rate (CFS)	10-Year Flow Rate (CFS)	25-Year Flow Rate (CFS)
A	11.23	25.50	35.33
B	5.26	11.44	15.61
C	5.59	14.00	20.00
D	0.75	1.60	2.17
E	3.31	7.02	9.51

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Post-Developed vs Pre-Developed Peak Flow Rates Summary Table

Analysis Point	2-Year Flow Rate (CFS)	10-Year Flow Rate (CFS)	25-Year Flow Rate (CFS)	Peak 2-Year Combined Peak Flow Rate at Analysis Points	Peak 10-Year Combined Peak Flow Rate at Analysis Points)	Peak 25-Year Combined Peak Flow Rate at Analysis Points
A1	5.30	12.41	17.35	Analysis Point A 6.38 (-4.85)	Analysis Point A 19.93 (-5.57)	Analysis Point A 28.28 (-7.05)
A2	3.74	9.34	13.28			
A3	1.48	4.56	6.83			
B	3.70 (-1.56)	8.02 (-3.42)	10.95 (-4.66)	N/A		
C1	0.86	1.70	2.26	Analysis Pt C 5.71 (+0.02) INSIGNIFCANT MODEL VARIATION	Analysis Pt C 13.83 (-0.17)	Analysis Pt C 19.62 (-0.38)
C3	5.69	13.79	19.52			
D	0.74 (-0.01)	1.58 (-0.02)	2.15 (-0.02)	N/A		
E	2.89 (-0.42)	6.12 (-0.90)	8.29 (-1.22)	N/A		

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6.0 CONCLUSION

The NECEC Project will meet the requirements of Chapter 500 including Basic and General Standards and the Flooding Standard. The Basic Standards will be met at the Merrill Road Converter Substation through Erosion and Sedimentation Control, Inspection and Maintenance, and Housekeeping, as described in this narrative and the attached checklists, logs and drawings. The General Standards will be met at the Merrill Road Converter Substation by using Grassed Underdrain Soil Filters and the DEP approved crushed stone substation yard section, as illustrated on the attached stormwater treatment plans. The Flooding Standard will be met using storage above the water quality volume within the proposed Grassed Underdrain Soil Filters and adjacent detention basin.

A sustainable stormwater system has been designed to control peak flows and minimize downstream impacts while controlling water quality. The Summary Table shows a comparison of flows from all analysis points for the 2, 10 and 25-year storm events. There is no increase in peak flows from any of the subcatchment analyses points for any of the modeled storm events.

It is our conclusion that the proposed stormwater BMPs and site improvements will provide adequate control of stormwater runoff from the site without producing significant flooding or adverse impacts to the site or downstream reaches. We feel that the proposed drainage, erosion control measures and stormwater quality Best Management Practices and LID measures, if properly constructed and maintained, will not create flooding or significant adverse impacts due to runoff to adjacent properties or result in degradation of existing water quality.

Prepared by:

Ross A Cudlitz

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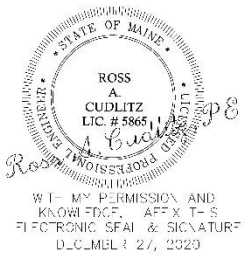
NECEC Civil Lead



7.0 APPENDIX LIST

A-1_INSPECTION & MAINTENANCE CHECKLIST

A-2_INSPECTION & MAINTENANCE LOG

B-1_PREDEVELOPMENT PLAN

B-2_POSTDEVELOPMENT PLAN

C_DEP letter

D_BMP CALCS

E-1_2 YEAR-FULL_PRE-HydroCAD Report

E-2_10 YEAR-SUMMARY_PRE-HydroCAD Report

E-3_25 YEAR-SUMMARY_PRE-HydroCAD Report

F-1_2 YEAR-FULL_POST-HydroCAD Report

F-2_10 YEAR-SUMMARY_POST-HydroCAD Report

F-3_25 YEAR-SUMMARY_POST-HydroCAD Report

A-1 INSPECTION & MAINTENANCE CHECKLIST

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APPENDIX A-1: BMP INSPECTION & MAINTENANCE CHECKLIST Central Maine Power Company – Merrill Road Converter Substation Lewiston, Maine

BMP MEASURE	INSPECTION REQUIREMENTS*	MAINTENANCE/CLEANOUT THRESHOLDS
Vegetated Swales	Inspect swale for accumulated sediment, debris and other obstructions. Inspect swales for evidence of erosion, gullies, or slumping of the side slopes. Inspect swales for bare ground/sparse vegetation. Monitor vegetative growth.	Clean as needed and dispose of properly. Repair and re-seed as necessary. Consult engineer if problem persists. Areas of persistent erosion may need to be armored. Re-seed as necessary. Soil may need to be scarified if compacted soils are present. Mow vegetation in swales to roughly six inches at least once and no more than two times a year. To be performed between June 15th and August 30th.
Check Dams	Inspect check dams to ensure the center is lower than the edges. Inspect check dams for stone displacement, erosion, concentrated flow or channelization. Inspect check dams for accumulated sediment, debris or other obstructions.	Repair as necessary. Repair any damaged areas. Consult engineer if problem persists. Clean as needed and dispose of properly. Sediment must be removed before it exceeds one half the original height of the check dam.
Revegetated Areas	Inspect revegetated areas for evidence of erosion, concentrated flow, or channelization. Inspect revegetated areas for bare ground/sparse vegetation.	Repair and re-seed as necessary. Consult engineer if problem persists. Areas of concentrated flow where rills and gullies are present may need to be armored Re-seed as necessary. Soil may need to be scarified if compacted soils are present.
Paved Access Roads	Inspect access road shoulder for accumulated sand/sediment. Inspect grade on access road and shoulder to ensure stormwater is not impeded by accumulation of materials. Inspect access road to ensure that there is no frost heaves, potholes, or ponding occurring.	Remove sand/sediment as necessary. Repair grade of shoulders as necessary. Repair by replacing damaged paving as necessary.

BMP MEASURE	INSPECTION REQUIREMENTS*	MAINTENANCE/CLEANOUT THRESHOLDS
Grassed Underdrained Soil Filter	Inspect entering swale, basin and outlet structure for accumulated sediment, debris and other obstructions. Inspect filter for evidence of erosion, gullies, or slumping of the side slopes. Inspect filter for bare ground/sparse vegetation. Monitor vegetative growth.	Clean as needed and dispose of properly. Repair and re-seed as necessary. Consult engineer if problem persists. Areas of persistent erosion may need to be armored. Re-seed as necessary. Soil may need to be scarified if filter media becomes compacted. Mow vegetation in impoundment to roughly six inches at least once and no more than two times a year. To be performed between June 15th and August 30th.
Crushed Stone Substation Surface	Inspect crushed stone areas for accumulated sand/sediment. Inspect substation surface to ensure that there is no ponding occurring.	Remove sand/sediment as necessary. Repair by re-grading as necessary.

*Inspections are to be performed on a monthly basis with additional follow-up inspections and maintenance as needed.

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A-2 INSPECTION & MAINTENANCE LOG

APPENDIX A-2: BMP INSPECTION & MAINTENANCE LOG
Central Maine Power Company – Merrill Road Converter Substation
Lewiston, Maine

BMP MEASURE (Refer to Appendix A-1 & the O&M Plan)	**Inspector(s):**			**Inspection Type:** Monthly [ ] Follow-up [ ]	**Photos Taken:** Yes [ ] No [ ]	**Date:**
VEGETATED SWALES	**YES***	**NO**	**INITIALS**	**OBSERVATIONS**	**CORRECTIVE ACTIONS/REPAIR ACTIVITY**	**DATE COMPLETED & BY WHOM** (Refer to any contractor service logs)
Swale along Paved Access Road						
1. Is there an accumulation of sediment, debris and/or other obstructions?						
2. Is there any evidence of erosion, gullies or slumping of the side slopes?						
3. Are there areas of bare ground or sparse vegetation?						
4. Has vegetation been mowed to a length roughly 6" this year?						
Swale along Northwesterly side of yard						
1. Is there an accumulation of sediment, debris and/or other obstructions?						
2. Is there any evidence of erosion, gullies or slumping of the side slopes?						
3. Are there areas of bare ground or sparse vegetation?						
4. Has vegetation been mowed to a length roughly 6" this year?						
CHECK DAMS						
Check Dams in Swale along Paved Access Road						
1. Are the edges of the check dams higher than the center?						
2. Is there any evidence of stone displacement, erosion, concentrated flow or channelization?						
3. Is there an accumulation of sediment, debris and/or other obstructions?						

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APPENDIX A-2: BMP INSPECTION & MAINTENANCE LOG
Central Maine Power Company – Merrill Road Converter Substation
Lewiston, Maine

BMP MEASURE (Refer to Appendix A-1 & the O&M Plan)	**Inspector(s):**			**Inspection Type:** Monthly [ ] Follow-up [ ]	**Photos Taken:** Yes [ ] No [ ]	**Date:**
CHECK DAMS (cont.)						
Check Dams in Swale along North, South and East sides of the yard	**YES***	**NO**	**INITIALS**	**OBSERVATIONS**	**CORRECTIVE ACTIONS/REPAIR ACTIVITY**	**DATE COMPLETED & BY WHOM** (Refer to any contractor service logs)
1. Are the edges of the check dams higher than the center?						
2. Is there any evidence of stone displacement, erosion, concentrated flow or channelization?						
3. Is there an accumulation of sediment, debris and/or other obstructions?						
REVEGETATED AREAS						
Revegetated Areas along Access Road						
1. Is there any evidence of erosion, concentrated flow or channelization?						
2. Are there areas of bare ground or sparse vegetation?						
Revegetated Areas on all sides of the station						
1. Is there any evidence of erosion, concentrated flow or channelization?						
2. Are there areas of bare ground or sparse vegetation?						
PAVED ACCESS ROADS						
Access Road to Entrance						
1. Is there an accumulation of sand and/or sediment in the road or road shoulders?						
2. Are there any signs of frost heaves, potholes or ponding?						

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APPENDIX A-2: BMP INSPECTION & MAINTENANCE LOG
Central Maine Power Company – Merrill Road Converter Substation
Lewiston, Maine

BMP MEASURE (Refer to Appendix A-1 & the O&M Plan)	**Inspector(s):**			**Inspection Type:** Monthly [ ] Follow-up [ ]	**Photos Taken:** Yes [ ] No [ ]	**Date:**
GRASSED UNDERDRAINED SOIL FILTER						
West side of station yard	**YES***	**NO**	**INITIALS**	**OBSERVATIONS**	**CORRECTIVE ACTIONS/REPAIR ACTIVITY**	**DATE COMPLETED & BY WHOM** (Refer to any contractor service logs)
1. Is there an accumulation of sand and/or sediment in the swale, forebay or basin?						
2. Is there any evidence of erosion, gullies or slumping of the side slopes?						
3. Are there areas of bare ground or sparse vegetation?						
CRUSHED STONE SUBSTATION SURFACE						
Fenced-in area of the Substation and aprons						
1. Is there an accumulation of sand/sediment in crushed stone areas?						

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B-1 PRE-DEVELOPMENT PLAN

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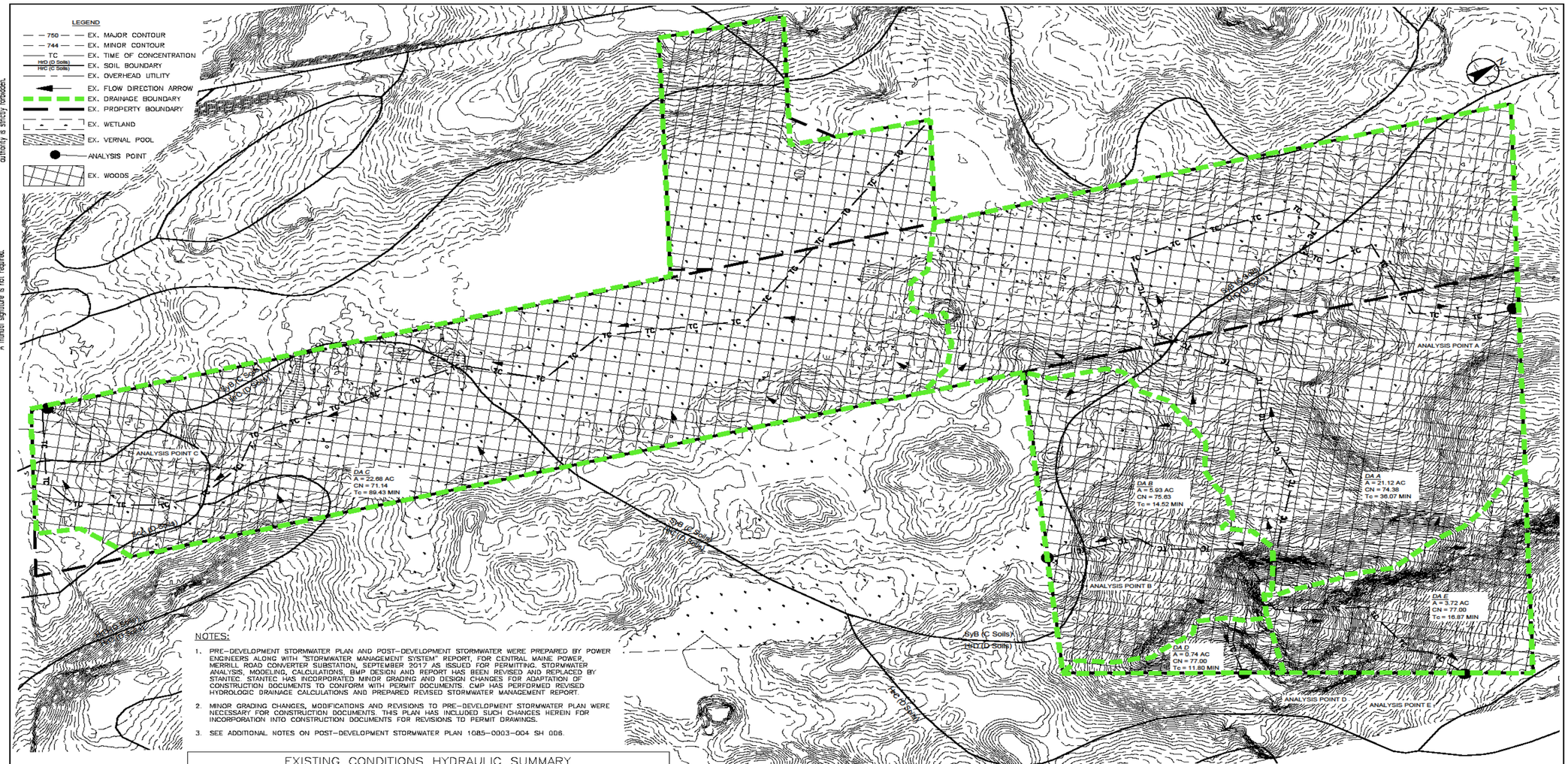

NOTES:

1. PRE-DEVELOPMENT STORMWATER PLAN AND POST-DEVELOPMENT STORMWATER WERE PREPARED BY POWER ENGINEERS ALONG WITH "STORMWATER MANAGEMENT SYSTEM" REPORT, FOR CENTRAL MAINE POWER, MERRILL ROAD CONVERTER SUBSTATION, SEPTEMBER 2017 AS ISSUED FOR PERMITTING. STORMWATER ANALYSIS, MODELING, CALCULATIONS, BMP DESIGN AND REPORT HAS BEEN REVISED AND REPLACED BY STANTEC. STANTEC HAS INCORPORATED MINOR GRADING AND DESIGN CHANGES FOR ADAPTATION OF CONSTRUCTION DOCUMENTS TO CONFORM WITH PERMIT DOCUMENTS. CMP HAS PERFORMED REVISED HYDROLOGIC DRAINAGE CALCULATIONS AND PREPARED REVISED STORMWATER MANAGEMENT REPORT.
2. MINOR GRADING CHANGES, MODIFICATIONS AND REVISIONS TO PRE-DEVELOPMENT STORMWATER PLAN WERE NECESSARY FOR CONSTRUCTION DOCUMENTS. THIS PLAN HAS INCLUDED SUCH CHANGES HEREIN FOR INCORPORATION INTO CONSTRUCTION DOCUMENTS FOR REVISIONS TO PERMIT DRAWINGS.
3. SEE ADDITIONAL NOTES ON POST-DEVELOPMENT STORMWATER PLAN 1085-0003-004 SH 006.

EXISTING CONDITIONS HYDRAULIC SUMMARY

DRAINAGE AREA	2 – YEAR FLOW RATE (CFS)	10 – YEAR FLOW RATE (CFS)	25 – YEAR FLOW RATE (CFS)
A	11.23	25.50	35.33
B	5.26	11.44	15.61
C	5.59	14.00	20.00
D	0.75	1.60	2.17
E	3.31	7.02	9.51

PRE-DEVELOPMENT STORMWATER PLAN

ISSUED FOR PERMITTING

12/22/2020

PE STAMP

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Property of AVANGRID

CMP AVANGRID

REV	DESCRIPTION	DATE	BY	CK	APP

PRE-DEVELOPMENT STORMWATER PLAN

MERRILL ROAD LEWISTON, ME

BY: RAC SCALE: 1" = 100' FILE: 1085-0003-004 SH 005-P.dwg
CK: NO. REV
APP: 1085-0003-004 SH 005-P 0-0
DATE: 12/23/2020

CMP / AVANGRID

Internal Use

B-2 POST-DEVELOPMENT PLAN

Internal Use

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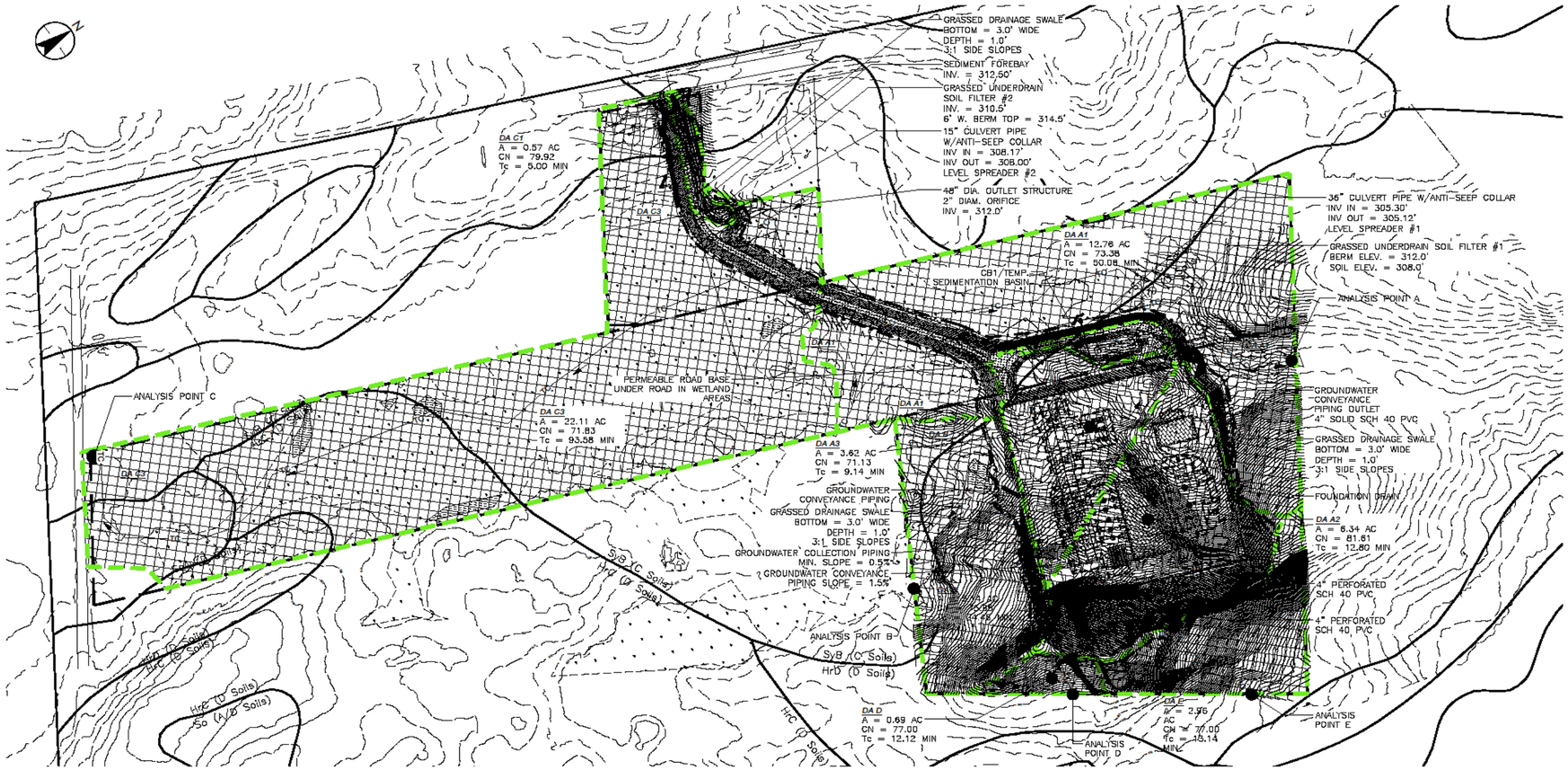

POST-DEVELOPMENT STORMWATER PLAN

LEGEND

- 750 — EX. MAJOR CONTOUR
- 744 — EX. MINOR CONTOUR
- HrD (D Soils) / HrC (C Soils) — EX. SOIL BOUNDARY
- EX. OVERHEAD UTILITY
- EX. PROPERTY BOUNDARY
- EX. WETLAND
- EX. VERNAL POOL
- EX. WOODS
- PROP. DEVELOPED GRASS
- PROP. UNDERDRAIN SOIL FILTER
- 750 — PROP. MAJOR CONTOUR
- 744 — PROP. MINOR CONTOUR
- TC — PROP. TIME OF CONCENTRATION
- PROP. FLOW DIRECTION ARROW
- PROP. DRAINAGE BOUNDARY
- ANALYSIS POINT
- PROP. CULVERT/PIPING
- PROP. SITE/LINEAR DEMARCATION
- PROP. IMPERVIOUS PAVING/ROOF
- PROP. STONE PAD
- PROP. PAVED ROAD

PROPOSED CONDITIONS HYDRO. SUMMARY

DRAINAGE AREA	2-YEAR PEAK (CFS)	10-YEAR PEAK (CFS)	25-YEAR PEAK (CFS)	2-YEAR PEAK AT ANALYSIS POINT (CFS)	10-YEAR PEAK AT ANALYSIS POINT (CFS)	25-YEAR PEAK AT ANALYSIS POINT (CFS)
A1	5.30	12.41	17.35	6.38 (-4.85)	19.93 (-5.57)	28.28 (-7.05)
A2*	3.74	9.34	13.28			
A3*	1.48	4.56	6.83			
B	3.70 (-1.56)	8.02 (-3.42)	10.95 (-4.66)	N/A		
C1	0.86	1.70	2.26	5.71 (+-0.02)**	13.83 (-0.17)	19.62 (-0.38)
C3	5.69	13.79	19.52			
D	0.74 (-0.01)	1.58 (-0.02)	2.16 (-0.02)	N/A		
E	2.89 (-0.42)	6.12 (-0.90)	8.29 (-1.22)	N/A		

* SUBCATCHMENT AREA WAS MODIFIED DUE TO REGRADING AND REVISED GA
** INSIGNIFICANT INCREASE DUE TO HYDORCAD MODEL VARIATION

NOTES:

1. REFER TO "STORMWATER MANAGEMENT PLAN FOR THE NEW ENGLAND CLEAN ENERGY CONNECT MERRILL ROAD CONVERTER SUBSTATION" REPORT AND STORMWATER PLANS, REVISED DECEMBER 2020 FOR DETAILED INFORMATION AND HYDROLOGY CALCULATIONS.
2. SEE PRE-DEVELOPMENT STORMWATER PLAN 1085-0003-004 SH 005 FOR ADDITIONAL NOTES.

STORMWATER TREATMENT REQUIREMENTS (% OF TREATED AREA)

LAND TYPE	STATION	STATION % TREATED - PERMITTED	STATION % TREATED - (UPDATED FOR CONSTRUCTION)	LINEAR	LINEAR % TREATED
IMPERVIOUS TOTAL1/	7.16 AC	100%	(6.69 AC) (6.69 AC/100%)	0.43 AC	86.05%
IMPERVIOUS TREATED	7.16 AC			0.37 AC	
DEVELOPED TOTAL2,3/	10.30 AC	86.31%	(10.30 AC) (8.89 AC/86.13%)	1.58 AC	58.23%
DEVELOPED TREATED	8.89 AC			0.92 AC	

[1]IMPERVIOUS TOTAL DOES NOT INCLUDE 0.53 ACRES OF EXEMPTED WETLAND ROAD CROSSING AREA WITH PERMEABLE ROAD BASE
[2]DEVELOPED TOTAL DOES NOT INCLUDE 0.67 ACRES OF EXEMPTED WETLAND ROAD CROSSING AREA WITH PERMEABLE ROAD BASE
[3]DEVELOPED AREA INCLUDES BOTH IMPERVIOUS AND LANDSCAPED SURFACES

ISSUED FOR PERMITTING
12/22/2020

0 150' 300'

PE STAMP
ROBB CLOUTD No. 8 MAINE LICENSED PROFESSIONAL ENGINEER
WITH MY PERMISSION AND KNOWLEDGE, I AFFIX THIS ELECTRONIC SEAL & SIGNATURE DECEMBER 22, 2020

AVANGRID ENGINEERING
CONFIDENTIAL, PROPRIETARY and TRADE SECRET INFORMATION
Property of AVANGRID

CMP AVANGRID

REV	DESCRIPTION	DATE	BY	CK	APP

POST-DEVELOPMENT STORMWATER PLAN

MERRILL ROAD — LEWISTON, ME

BY: RAC | SCALE: 1" = 100' | FILE: 1085-0003-004 SH 006-P.dwg
CK: | NO. | REV
APP: | 1085-0003-004 SH 006-P | 0-0
DATE: 12/22/2020

C. DEP LETTER

STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION

JUN 11 2008

JOHN ELIAS BALDACCI
GOVERNOR

DAVID P. LITTELL
COMMISSIONER

June 5, 2008

Roy Koster
Central Maine Power
83 Edison Drive
Augusta, ME 04336

RE: DEP Stormwater Management Regulations and how they apply to Central Maine Power Company Substations and Switchyards

Dear Mr. Koster:

I am writing to provide clarification on how substations and switchyards designed by Central Maine Power Company (CMP) can meet DEP Stormwater Management rules, Chapter 500 and the Site Location of Development Law. This letter supersedes a previous DEP letter on this subject dated February 29, 2008 and is a follow-up to further discussions between CMP and DEP staff.

Based on the report prepared by John Simon of Balance Engineering, dated March 8, 2008, regarding the stormwater runoff coefficient at CMP substations and switchyards, the required gravel fill and surface nature of these structures performs differently than most common construction practices and a modeling variance will be allowed for CMP substations and switchyards as follows:

When Flooding Standard requirements apply to a CMP project, modeling must demonstrate that peak runoff from the substation structure does not exceed predevelopment flow rates at the property line. Because of the permeability plus storage within the gravel fill and roughness of the crushed rock surface, the curve number (CN) specified in John Simon's report (March 2008) may be used for the substation area. As reported, a CN of 55 may be used for substations and switchyards that are built on areas that are mapped as HSG "A", "B", and "C", and a CN of 60 must be used when the area is mapped as HSG "D" for the HydroCAD model. However, all impervious surfaces will have to be added for an averaged curve number.

The General Standards of Chapter 500 (water quality) will be considered as met by the CMP substation/switchyard design specifications as long as the structure includes the typical CMP substation profile overlaying the natural ground surface. The soil layers within the CMP substation profile consist of 4 inches of crushed stone, 50:50 mix of 1.5"

AUGUSTA
17 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0017
(207) 287-7688 FAX: (207) 287-7826
RAY BLDG., HOSPITAL ST.

BANGOR
106 HOGAN ROAD
BANGOR, MAINE 04401
(207) 941-4570 FAX: (207) 941-4584

PORTLAND
312 CANCO ROAD
PORTLAND, MAINE 04103
(207) 822-6300 FAX: (207) 822-6303

PRESQUE ISLE
1235 CENTRAL DRIVE, SKYWAY PARK
PRESQUE ISLE, MAINE 04769-2094
(207) 764-0477 FAX: (207) 760-3143

web site: www.maine.gov/dep

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and 0.75" diameter stone overlaying 18 inches or more of gravel fill, MDOT 703.06 Type A. Saturation within the granular fill will detain and provide treatment for the one-inch design standard under that requirement. Groundwater can never be any higher than 18 inches below the top of the gravel fill. Other treatment considerations will need to be provided for all impervious structures anticipated on the substation and switchyard and for the roadway.

The Basic Standards of Chapter 500 (erosion and sedimentation control, inspection and maintenance, and housekeeping) will be met by the standard CMP substation and switchyard design specification and erosion control/construction plan as developed by CMP for each Stormwater Management application. These are minimum erosion control measures that will need to be maintained until the site is fully stabilized. However, based on site and weather conditions during construction, additional erosion control measures may be needed.

While there are several ways to approach the design standards discussed above, these must be considered the minimum requirements in meeting the Stormwater Management and Site Location of Development Laws. However, in some situations where the local hydrology and site conditions warrant more resource protection, additional BMPs may be required. Also, the access drive and associated roadside swales are included in the disturbed area for permitting purposes and the treatment of these areas must be addressed separately from the substation or switchyard and be treated with standard practices. The natural hydrology of these areas will need to be maintained and will have to meet all applicable standards as established in Chapter 500 (page 11, Section 5).

I hope this addresses your request and will make the DEP permitting process more straight forward. If you have further questions, please contact Marianne Hubert at (207) 287-4140.

Sincerely,

Don Witherill, Director
Watershed Management Division
Bureau of Land and Water Quality

Cc: Marianne Hubert, PE, DEP program manager
Andy Fisk, DEP L&W Bureau Director
Dan Butler, PE, TRC
Gerry Mirabile, CMP

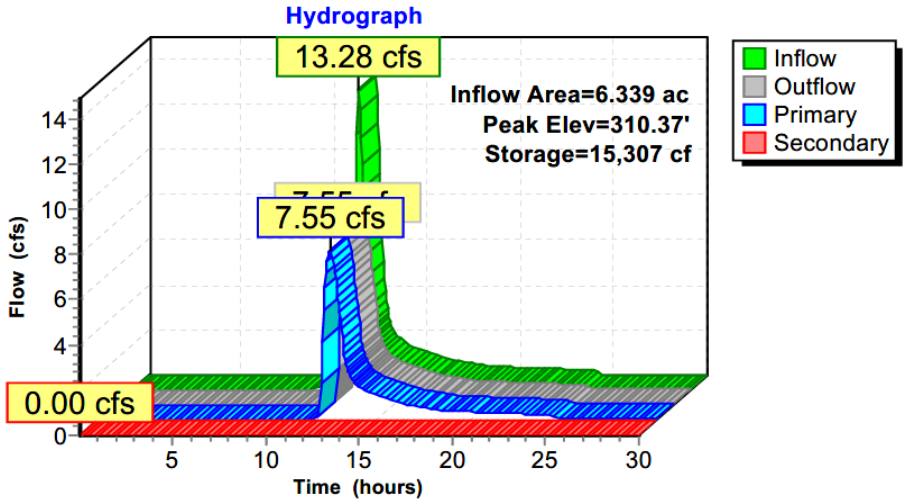
Internal Use

D. BMP CALCS

Calculations for Grassed Underdrain Soil Filters						
*Based upon MeDEP Stormwater BMPs Chapter 7.1 - Grassed Underdrain Soil Filters						
Name of Filter	Impervious Catchment (AC)	Pervious Developed Catchment (AC)	Surface Area Required (SF)	Designed Surface Area of Filter (SF)	WQv Required (CF)	WQv Provided (CF)
Filter-1	0.21	1.87	2086.524	2638	3477.54	3957
Filter-2	0.16	0.41	705.672	1098.7	1176.12	1648.05

Internal Use

Pond SF-1: SOIL FILTER-1



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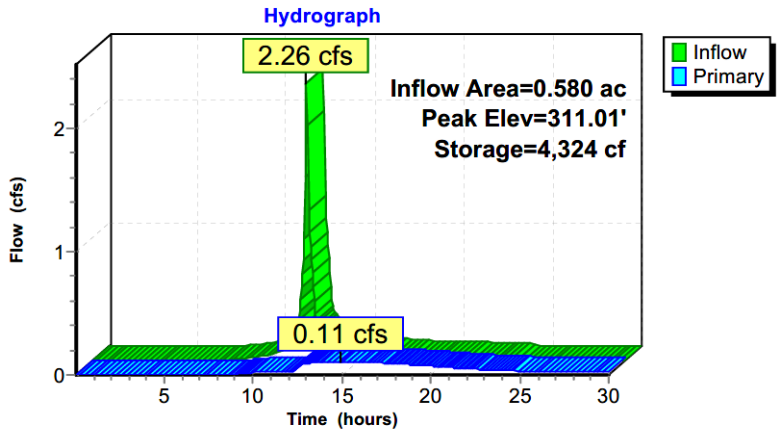
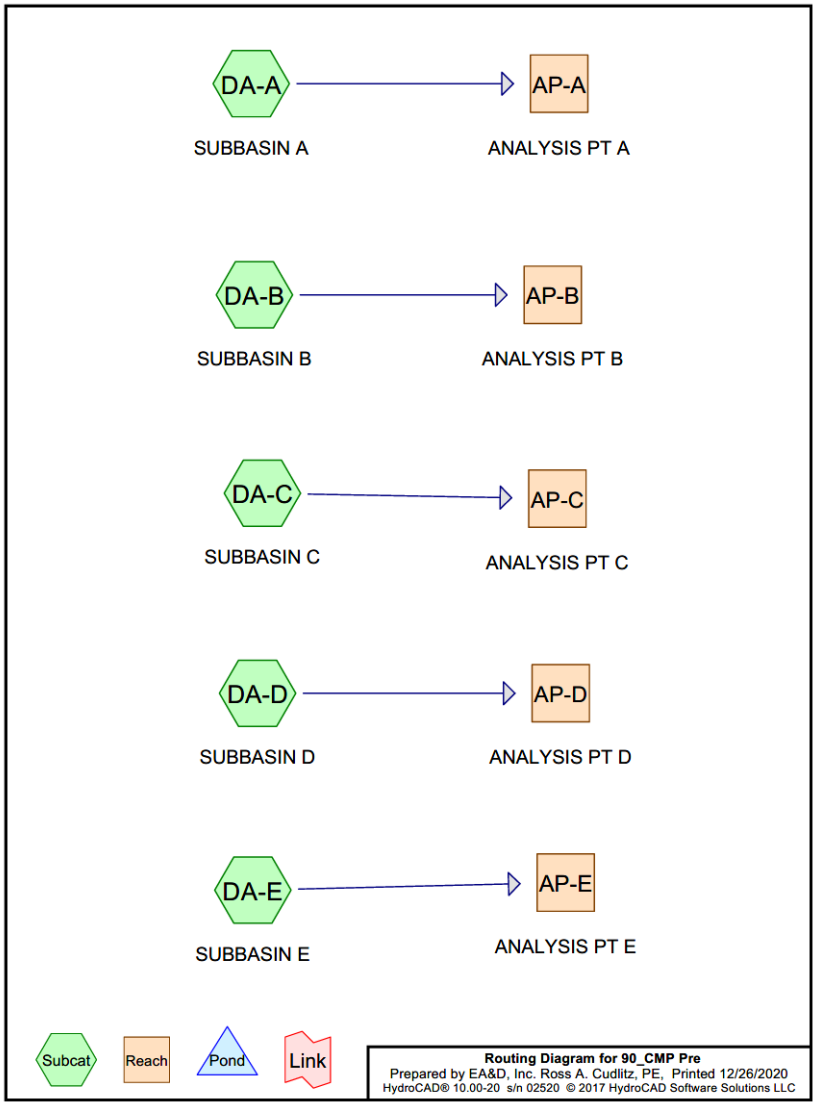
Pond SF-2: SOIL FILTER-2



E-1 2 YEAR-PRE-FULL_HYDROCAD REPORT

Internal Use


DA-A
AP-A
SUBBASIN A
ANALYSIS PT A
DA-B
AP-B
SUBBASIN B
ANALYSIS PT B
DA-C
AP-C
SUBBASIN C
ANALYSIS PT C
DA-D
AP-D
SUBBASIN D
ANALYSIS PT D
DA-E
AP-E
SUBBASIN E
ANALYSIS PT E
Subcat
Reach
Pond
Link
Routing Diagram for 90_CMP Pre
Prepared by EA&D, Inc. Ross A. Cudlitz, PE, Printed 12/26/2020
HydroCAD® 10.00-20 s/n 02520 © 2017 HydroCAD Software Solutions LLC

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
0.680	30	Woods, Good, HSG A (DA-C)
23.500	70	Woods, Good, HSG C (DA-A, DA-B, DA-C)
30.010	77	Woods, Good, HSG D (DA-A, DA-B, DA-C, DA-D, DA-E)
54.190	**73**	**TOTAL AREA**

Internal Use

Soil Listing (all nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.680	HSG A	DA-C
0.000	HSG B	
23.500	HSG C	DA-A, DA-B, DA-C
30.010	HSG D	DA-A, DA-B, DA-C, DA-D, DA-E
0.000	Other	
54.190		**TOTAL AREA**

Internal Use

Ground Covers (all nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
0.680	0.000	23.500	30.010	0.000	54.190	Woods, Good	DA-A, DA-B, DA-C, DA-D, DA-E
0.680	**0.000**	**23.500**	**30.010**	**0.000**	**54.190**	**TOTAL AREA**	

Internal Use

Time span=0.05-30.00 hrs, dt=0.05 hrs, 600 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment DA-A: SUBBASIN A Runoff Area=21.120 ac 0.00% Impervious Runoff Depth=0.93"
Flow Length=2,056' Tc=36.0 min CN=74 Runoff=11.20 cfs 1.643 af

Subcatchment DA-B: SUBBASIN B Runoff Area=5.930 ac 0.00% Impervious Runoff Depth=1.04"
Flow Length=540' Tc=14.5 min CN=76 Runoff=5.26 cfs 0.515 af

Subcatchment DA-C: SUBBASIN C Runoff Area=22.680 ac 0.00% Impervious Runoff Depth=0.78"
Flow Length=2,240' Slope=0.0047 '/' Tc=89.4 min CN=71 Runoff=5.59 cfs 1.481 af

Subcatchment DA-D: SUBBASIN D Runoff Area=0.740 ac 0.00% Impervious Runoff Depth=1.10"
Flow Length=133' Tc=11.8 min CN=77 Runoff=0.75 cfs 0.068 af

Subcatchment DA-E: SUBBASIN E Runoff Area=3.720 ac 0.00% Impervious Runoff Depth=1.10"
Flow Length=475' Tc=16.9 min CN=77 Runoff=3.31 cfs 0.341 af

Reach AP-A: ANALYSIS PT A Inflow=11.20 cfs 1.643 af
Outflow=11.20 cfs 1.643 af

Reach AP-B: ANALYSIS PT B Inflow=5.26 cfs 0.515 af
Outflow=5.26 cfs 0.515 af

Reach AP-C: ANALYSIS PT C Inflow=5.59 cfs 1.481 af
Outflow=5.59 cfs 1.481 af

Reach AP-D: ANALYSIS PT D Inflow=0.75 cfs 0.068 af
Outflow=0.75 cfs 0.068 af

Reach AP-E: ANALYSIS PT E Inflow=3.31 cfs 0.341 af
Outflow=3.31 cfs 0.341 af

Total Runoff Area = 54.190 ac Runoff Volume = 4.048 af Average Runoff Depth = 0.90"
100.00% Pervious = 54.190 ac 0.00% Impervious = 0.000 ac

Internal Use

Summary for Subcatchment DA-A: SUBBASIN A

Runoff = 11.20 cfs @ 12.55 hrs, Volume= 1.643 af, Depth= 0.93"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.05-30.00 hrs, dt= 0.05 hrs
Type III 24-hr 2 YR EVENT Rainfall=3.04"

Area (ac)	CN	Description
7.920	70	Woods, Good, HSG C
13.200	77	Woods, Good, HSG D
21.120	74	Weighted Average
21.120		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0	100	0.3275	0.17		**Sheet Flow, EXISTING WOODS** n= 0.600 P2= 3.00"
12.2	870	0.0565	1.19		**Shallow Concentrated Flow,** Woodland Kv= 5.0 fps
13.8	1,086	0.0076	1.31		**Shallow Concentrated Flow,** Grassed Waterway Kv= 15.0 fps
36.0	2,056	Total			

Summary for Subcatchment DA-B: SUBBASIN B

Runoff = 5.26 cfs @ 12.22 hrs, Volume= 0.515 af, Depth= 1.04"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.05-30.00 hrs, dt= 0.05 hrs
Type III 24-hr 2 YR EVENT Rainfall=3.04"

Area (ac)	CN	Description
1.160	70	Woods, Good, HSG C
4.770	77	Woods, Good, HSG D
5.930	76	Weighted Average
5.930		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.9	100	0.3400	0.17		**Sheet Flow,** n= 0.600 P2= 3.00"
4.6	440	0.1000	1.58		**Shallow Concentrated Flow,** Woodland Kv= 5.0 fps
14.5	540	Total			

Summary for Subcatchment DA-C: SUBBASIN C

Runoff = 5.59 cfs @ 13.32 hrs, Volume= 1.481 af, Depth= 0.78"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.05-30.00 hrs, dt= 0.05 hrs
Type III 24-hr 2 YR EVENT Rainfall=3.04"

Internal Use

Area (ac)	CN	Description
14.420	70	Woods, Good, HSG C
7.580	77	Woods, Good, HSG D
0.680	30	Woods, Good, HSG A
22.680	71	Weighted Average
22.680		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
54.7	100	0.0047	0.03		**Sheet Flow,** n= 0.600 P2= 3.00"
34.7	2,140	0.0047	1.03		**Shallow Concentrated Flow,** Grassed Waterway Kv= 15.0 fps
89.4	2,240	Total			

Summary for Subcatchment DA-D: SUBBASIN D

Runoff = 0.75 cfs @ 12.17 hrs, Volume= 0.068 af, Depth= 1.10"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.05-30.00 hrs, dt= 0.05 hrs
Type III 24-hr 2 YR EVENT Rainfall=3.04"

Area (ac)	CN	Description
0.740	77	Woods, Good, HSG D
0.740		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
11.5	100	0.2320	0.14		**Sheet Flow,** n= 0.600 P2= 3.00"
0.3	33	0.1475	1.92		**Shallow Concentrated Flow,** Woodland Kv= 5.0 fps
11.8	133	Total			

Summary for Subcatchment DA-E: SUBBASIN E

Runoff = 3.31 cfs @ 12.25 hrs, Volume= 0.341 af, Depth= 1.10"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.05-30.00 hrs, dt= 0.05 hrs
Type III 24-hr 2 YR EVENT Rainfall=3.04"

Area (ac)	CN	Description
3.720	77	Woods, Good, HSG D
3.720		100.00% Pervious Area

Internal Use

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.1	100	0.1400	0.12		**Sheet Flow,** n= 0.600 P2= 3.00"
2.8	375	0.2025	2.25		**Shallow Concentrated Flow,** Woodland Kv= 5.0 fps
16.9	475	Total			

Summary for Reach AP-A: ANALYSIS PT A

Inflow Area = 21.120 ac, 0.00% Impervious, Inflow Depth = 0.93" for 2 YR EVENT event
Inflow = 11.20 cfs @ 12.55 hrs, Volume= 1.643 af
Outflow = 11.20 cfs @ 12.55 hrs, Volume= 1.643 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.05-30.00 hrs, dt= 0.05 hrs

Summary for Reach AP-B: ANALYSIS PT B

Inflow Area = 5.930 ac, 0.00% Impervious, Inflow Depth = 1.04" for 2 YR EVENT event
Inflow = 5.26 cfs @ 12.22 hrs, Volume= 0.515 af
Outflow = 5.26 cfs @ 12.22 hrs, Volume= 0.515 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.05-30.00 hrs, dt= 0.05 hrs

Summary for Reach AP-C: ANALYSIS PT C

Inflow Area = 22.680 ac, 0.00% Impervious, Inflow Depth = 0.78" for 2 YR EVENT event
Inflow = 5.59 cfs @ 13.32 hrs, Volume= 1.481 af
Outflow = 5.59 cfs @ 13.32 hrs, Volume= 1.481 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.05-30.00 hrs, dt= 0.05 hrs

Summary for Reach AP-D: ANALYSIS PT D

Inflow Area = 0.740 ac, 0.00% Impervious, Inflow Depth = 1.10" for 2 YR EVENT event
Inflow = 0.75 cfs @ 12.17 hrs, Volume= 0.068 af
Outflow = 0.75 cfs @ 12.17 hrs, Volume= 0.068 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.05-30.00 hrs, dt= 0.05 hrs

Summary for Reach AP-E: ANALYSIS PT E

Inflow Area = 3.720 ac, 0.00% Impervious, Inflow Depth = 1.10" for 2 YR EVENT event
Inflow = 3.31 cfs @ 12.25 hrs, Volume= 0.341 af
Outflow = 3.31 cfs @ 12.25 hrs, Volume= 0.341 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.05-30.00 hrs, dt= 0.05 hrs

Internal Use

Time span=0.05-30.00 hrs, dt=0.05 hrs, 600 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment DA-A: SUBBASIN A Runoff Area=21.120 ac 0.00% Impervious Runoff Depth=0.06"
Flow Length=2,056' Tc=36.0 min CN=74 Runoff=0.24 cfs 0.109 af

Subcatchment DA-B: SUBBASIN B Runoff Area=5.930 ac 0.00% Impervious Runoff Depth=0.09"
Flow Length=540' Tc=14.5 min CN=76 Runoff=0.18 cfs 0.043 af

Subcatchment DA-C: SUBBASIN C Runoff Area=22.680 ac 0.00% Impervious Runoff Depth=0.03"
Flow Length=2,240' Slope=0.0047 '/' Tc=89.4 min CN=71 Runoff=0.10 cfs 0.062 af

Subcatchment DA-D: SUBBASIN D Runoff Area=0.740 ac 0.00% Impervious Runoff Depth=0.10"
Flow Length=133' Tc=11.8 min CN=77 Runoff=0.03 cfs 0.006 af

Subcatchment DA-E: SUBBASIN E Runoff Area=3.720 ac 0.00% Impervious Runoff Depth=0.10"
Flow Length=475' Tc=16.9 min CN=77 Runoff=0.14 cfs 0.031 af

Reach AP-A: ANALYSIS PT A Inflow=0.24 cfs 0.109 af
Outflow=0.24 cfs 0.109 af

Reach AP-B: ANALYSIS PT B Inflow=0.18 cfs 0.043 af
Outflow=0.18 cfs 0.043 af

Reach AP-C: ANALYSIS PT C Inflow=0.10 cfs 0.062 af
Outflow=0.10 cfs 0.062 af

Reach AP-D: ANALYSIS PT D Inflow=0.03 cfs 0.006 af
Outflow=0.03 cfs 0.006 af

Reach AP-E: ANALYSIS PT E Inflow=0.14 cfs 0.031 af
Outflow=0.14 cfs 0.031 af

Total Runoff Area = 54.190 ac Runoff Volume = 0.251 af Average Runoff Depth = 0.06"
100.00% Pervious = 54.190 ac 0.00% Impervious = 0.000 ac

Internal Use

Summary for Subcatchment DA-A: SUBBASIN A

Runoff = 0.24 cfs @ 12.96 hrs, Volume= 0.109 af, Depth= 0.06"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.05-30.00 hrs, dt= 0.05 hrs
Type III 24-hr WQv 1.2" Event Rainfall=1.20"

Area (ac)	CN	Description
7.920	70	Woods, Good, HSG C
13.200	77	Woods, Good, HSG D
21.120	74	Weighted Average
21.120		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0	100	0.3275	0.17		**Sheet Flow, EXISTING WOODS** n= 0.600 P2= 3.00"
12.2	870	0.0565	1.19		**Shallow Concentrated Flow,** Woodland Kv= 5.0 fps
13.8	1,086	0.0076	1.31		**Shallow Concentrated Flow,** Grassed Waterway Kv= 15.0 fps
36.0	2,056	Total			

Summary for Subcatchment DA-B: SUBBASIN B

Runoff = 0.18 cfs @ 12.48 hrs, Volume= 0.043 af, Depth= 0.09"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.05-30.00 hrs, dt= 0.05 hrs
Type III 24-hr WQv 1.2" Event Rainfall=1.20"

Area (ac)	CN	Description
1.160	70	Woods, Good, HSG C
4.770	77	Woods, Good, HSG D
5.930	76	Weighted Average
5.930		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.9	100	0.3400	0.17		**Sheet Flow,** n= 0.600 P2= 3.00"
4.6	440	0.1000	1.58		**Shallow Concentrated Flow,** Woodland Kv= 5.0 fps
14.5	540	Total			

Summary for Subcatchment DA-C: SUBBASIN C

Runoff = 0.10 cfs @ 15.81 hrs, Volume= 0.062 af, Depth= 0.03"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.05-30.00 hrs, dt= 0.05 hrs
Type III 24-hr WQv 1.2" Event Rainfall=1.20"

Internal Use

Area (ac)	CN	Description
14.420	70	Woods, Good, HSG C
7.580	77	Woods, Good, HSG D
0.680	30	Woods, Good, HSG A
22.680	71	Weighted Average
22.680		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
54.7	100	0.0047	0.03		**Sheet Flow,** n= 0.600 P2= 3.00"
34.7	2,140	0.0047	1.03		**Shallow Concentrated Flow,** Grassed Waterway Kv= 15.0 fps
89.4	2,240	Total			

Summary for Subcatchment DA-D: SUBBASIN D

Runoff = 0.03 cfs @ 12.41 hrs, Volume= 0.006 af, Depth= 0.10"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.05-30.00 hrs, dt= 0.05 hrs
Type III 24-hr WQv 1.2" Event Rainfall=1.20"

Area (ac)	CN	Description
0.740	77	Woods, Good, HSG D
0.740		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
11.5	100	0.2320	0.14		**Sheet Flow,** n= 0.600 P2= 3.00"
0.3	33	0.1475	1.92		**Shallow Concentrated Flow,** Woodland Kv= 5.0 fps
11.8	133	Total			

Summary for Subcatchment DA-E: SUBBASIN E

Runoff = 0.14 cfs @ 12.49 hrs, Volume= 0.031 af, Depth= 0.10"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.05-30.00 hrs, dt= 0.05 hrs
Type III 24-hr WQv 1.2" Event Rainfall=1.20"

Area (ac)	CN	Description
3.720	77	Woods, Good, HSG D
3.720		100.00% Pervious Area

Internal Use

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.1	100	0.1400	0.12		**Sheet Flow,** n= 0.600 P2= 3.00"
2.8	375	0.2025	2.25		**Shallow Concentrated Flow,** Woodland Kv= 5.0 fps
16.9	475	Total			

Summary for Reach AP-A: ANALYSIS PT A

Inflow Area = 21.120 ac, 0.00% Impervious, Inflow Depth = 0.06" for WQv 1.2" Event event
Inflow = 0.24 cfs @ 12.96 hrs, Volume= 0.109 af
Outflow = 0.24 cfs @ 12.96 hrs, Volume= 0.109 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.05-30.00 hrs, dt= 0.05 hrs

Summary for Reach AP-B: ANALYSIS PT B

Inflow Area = 5.930 ac, 0.00% Impervious, Inflow Depth = 0.09" for WQv 1.2" Event event
Inflow = 0.18 cfs @ 12.48 hrs, Volume= 0.043 af
Outflow = 0.18 cfs @ 12.48 hrs, Volume= 0.043 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.05-30.00 hrs, dt= 0.05 hrs

Summary for Reach AP-C: ANALYSIS PT C

Inflow Area = 22.680 ac, 0.00% Impervious, Inflow Depth = 0.03" for WQv 1.2" Event event
Inflow = 0.10 cfs @ 15.81 hrs, Volume= 0.062 af
Outflow = 0.10 cfs @ 15.81 hrs, Volume= 0.062 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.05-30.00 hrs, dt= 0.05 hrs

Summary for Reach AP-D: ANALYSIS PT D

Inflow Area = 0.740 ac, 0.00% Impervious, Inflow Depth = 0.10" for WQv 1.2" Event event
Inflow = 0.03 cfs @ 12.41 hrs, Volume= 0.006 af
Outflow = 0.03 cfs @ 12.41 hrs, Volume= 0.006 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.05-30.00 hrs, dt= 0.05 hrs

Summary for Reach AP-E: ANALYSIS PT E

Inflow Area = 3.720 ac, 0.00% Impervious, Inflow Depth = 0.10" for WQv 1.2" Event event
Inflow = 0.14 cfs @ 12.49 hrs, Volume= 0.031 af
Outflow = 0.14 cfs @ 12.49 hrs, Volume= 0.031 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.05-30.00 hrs, dt= 0.05 hrs

Internal Use

E-2 10 YEAR-PRE-SUMMARY_HYDROCAD REPORT

Internal Use

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
0.680	30	Woods, Good, HSG A (DA-C)
23.500	70	Woods, Good, HSG C (DA-A, DA-B, DA-C)
30.010	77	Woods, Good, HSG D (DA-A, DA-B, DA-C, DA-D, DA-E)
54.190	**73**	**TOTAL AREA**

Internal Use

Internal Use

Soil Listing (all nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.680	HSG A	DA-C
0.000	HSG B	
23.500	HSG C	DA-A, DA-B, DA-C
30.010	HSG D	DA-A, DA-B, DA-C, DA-D, DA-E
0.000	Other	
54.190		**TOTAL AREA**

Internal Use

Ground Covers (all nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
0.680	0.000	23.500	30.010	0.000	54.190	Woods, Good	DA-A, DA-B, DA-C, DA-D, DA-E
0.680	**0.000**	**23.500**	**30.010**	**0.000**	**54.190**	**TOTAL AREA**	

Internal Use

Time span=0.05-30.00 hrs, dt=0.05 hrs, 600 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment DA-A: SUBBASIN A Runoff Area=21.120 ac 0.00% Impervious Runoff Depth=2.01"
Flow Length=2,056' Tc=36.0 min CN=74 Runoff=25.50 cfs 3.539 af

Subcatchment DA-B: SUBBASIN B Runoff Area=5.930 ac 0.00% Impervious Runoff Depth=2.17"
Flow Length=540' Tc=14.5 min CN=76 Runoff=11.44 cfs 1.072 af

Subcatchment DA-C: SUBBASIN C Runoff Area=22.680 ac 0.00% Impervious Runoff Depth=1.78"
Flow Length=2,240' Slope=0.0047 '/' Tc=89.4 min CN=71 Runoff=14.00 cfs 3.369 af

Subcatchment DA-D: SUBBASIN D Runoff Area=0.740 ac 0.00% Impervious Runoff Depth=2.25"
Flow Length=133' Tc=11.8 min CN=77 Runoff=1.60 cfs 0.139 af

Subcatchment DA-E: SUBBASIN E Runoff Area=3.720 ac 0.00% Impervious Runoff Depth=2.25"
Flow Length=475' Tc=16.9 min CN=77 Runoff=7.02 cfs 0.698 af

Reach AP-A: ANALYSIS PT A Inflow=25.50 cfs 3.539 af
Outflow=25.50 cfs 3.539 af

Reach AP-B: ANALYSIS PT B Inflow=11.44 cfs 1.072 af
Outflow=11.44 cfs 1.072 af

Reach AP-C: ANALYSIS PT C Inflow=14.00 cfs 3.369 af
Outflow=14.00 cfs 3.369 af

Reach AP-D: ANALYSIS PT D Inflow=1.60 cfs 0.139 af
Outflow=1.60 cfs 0.139 af

Reach AP-E: ANALYSIS PT E Inflow=7.02 cfs 0.698 af
Outflow=7.02 cfs 0.698 af

Total Runoff Area = 54.190 ac Runoff Volume = 8.817 af Average Runoff Depth = 1.95"
100.00% Pervious = 54.190 ac 0.00% Impervious = 0.000 ac

Internal Use

E-3 25 YEAR-PRE-SUMMARY_HYDROCAD REPORT

Internal Use

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
0.680	30	Woods, Good, HSG A (DA-C)
23.500	70	Woods, Good, HSG C (DA-A, DA-B, DA-C)
30.010	77	Woods, Good, HSG D (DA-A, DA-B, DA-C, DA-D, DA-E)
54.190	**73**	**TOTAL AREA**

Internal Use

Soil Listing (all nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.680	HSG A	DA-C
0.000	HSG B	
23.500	HSG C	DA-A, DA-B, DA-C
30.010	HSG D	DA-A, DA-B, DA-C, DA-D, DA-E
0.000	Other	
54.190		**TOTAL AREA**

Internal Use

Ground Covers (all nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
0.680	0.000	23.500	30.010	0.000	54.190	Woods, Good	DA-A, DA-B, DA-C, DA-D, DA-E
0.680	**0.000**	**23.500**	**30.010**	**0.000**	**54.190**	**TOTAL AREA**	

Internal Use

Time span=0.05-30.00 hrs, dt=0.05 hrs, 600 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment DA-A: SUBBASIN A Runoff Area=21.120 ac 0.00% Impervious Runoff Depth=2.76"
Flow Length=2,056' Tc=36.0 min CN=74 Runoff=35.33 cfs 4.859 af

Subcatchment DA-B: SUBBASIN B Runoff Area=5.930 ac 0.00% Impervious Runoff Depth=2.94"
Flow Length=540' Tc=14.5 min CN=76 Runoff=15.61 cfs 1.455 af

Subcatchment DA-C: SUBBASIN C Runoff Area=22.680 ac 0.00% Impervious Runoff Depth=2.49"
Flow Length=2,240' Slope=0.0047 '/' Tc=89.4 min CN=71 Runoff=20.00 cfs 4.713 af

Subcatchment DA-D: SUBBASIN D Runoff Area=0.740 ac 0.00% Impervious Runoff Depth=3.04"
Flow Length=133' Tc=11.8 min CN=77 Runoff=2.17 cfs 0.187 af

Subcatchment DA-E: SUBBASIN E Runoff Area=3.720 ac 0.00% Impervious Runoff Depth=3.04"
Flow Length=475' Tc=16.9 min CN=77 Runoff=9.51 cfs 0.942 af

Reach AP-A: ANALYSIS PT A Inflow=35.33 cfs 4.859 af
Outflow=35.33 cfs 4.859 af

Reach AP-B: ANALYSIS PT B Inflow=15.61 cfs 1.455 af
Outflow=15.61 cfs 1.455 af

Reach AP-C: ANALYSIS PT C Inflow=20.00 cfs 4.713 af
Outflow=20.00 cfs 4.713 af

Reach AP-D: ANALYSIS PT D Inflow=2.17 cfs 0.187 af
Outflow=2.17 cfs 0.187 af

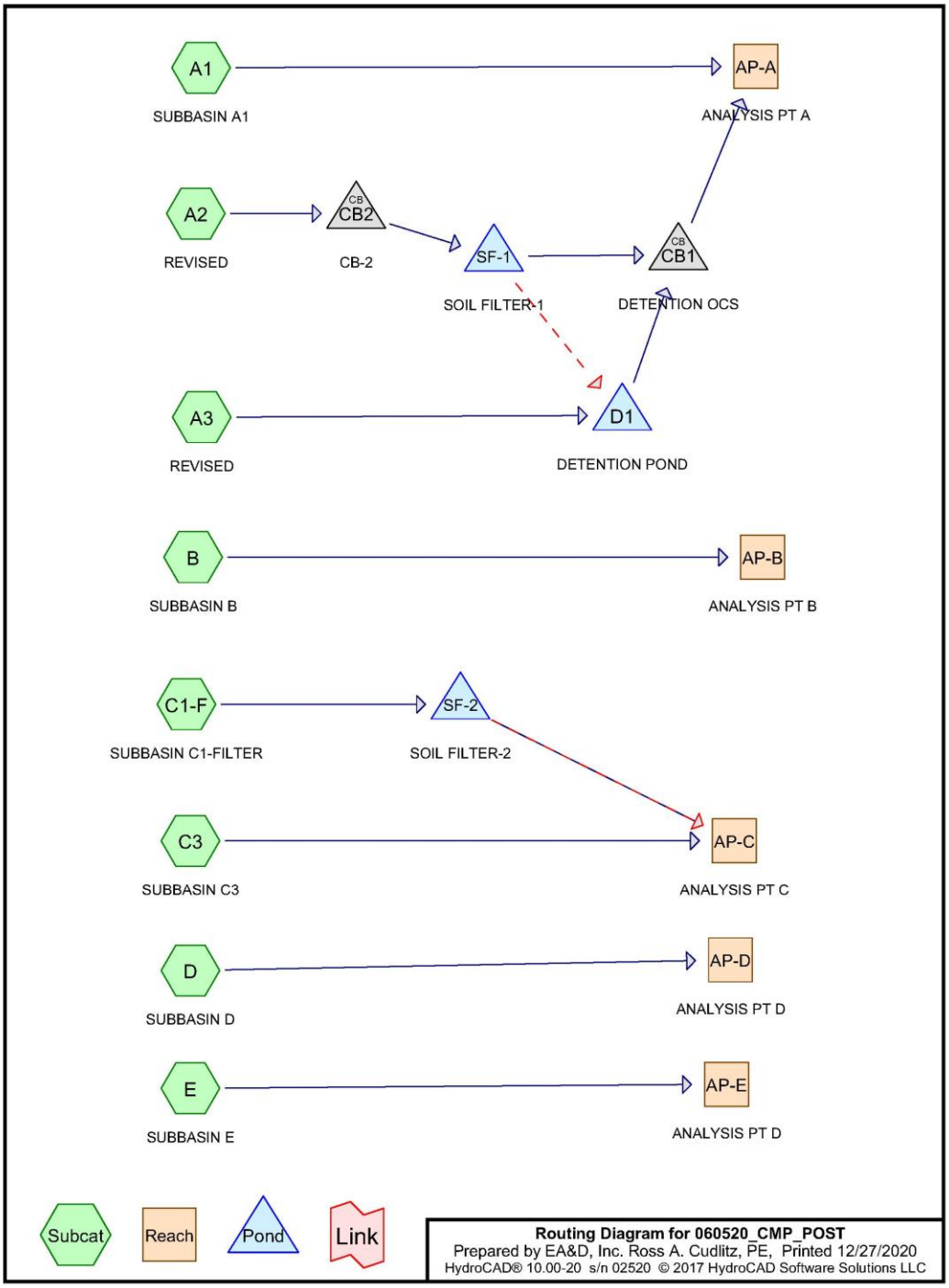
Reach AP-E: ANALYSIS PT E Inflow=9.51 cfs 0.942 af
Outflow=9.51 cfs 0.942 af

Total Runoff Area = 54.190 ac Runoff Volume = 12.156 af Average Runoff Depth = 2.69"
100.00% Pervious = 54.190 ac 0.00% Impervious = 0.000 ac

Internal Use

F-1 2 YEAR-FULL_POST-HYDROCAD REPORT

Internal Use



CMP / AVANGRID

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
0.640	39	>75% Grass cover, Good, HSG A (C1-F, C3)
1.680	74	>75% Grass cover, Good, HSG C (A1, A3, C1-F, C3)
4.028	80	>75% Grass cover, Good, HSG D (A1, A2, A3, B, C1-F, C3)
0.180	96	GRAVEL ROADS C (C3)
0.050	97	GRAVEL ROADS D (C1-F)
0.040	94	GRAVEL ROADS, A (C1-F)
0.080	96	GRAVEL ROADS, C (C1-F)
0.100	96	Gravel Roads (A1)
0.199	98	Paved, HSG D (A3)
5.640	60	STONE PAD (A2, A3)
0.881	98	Unconnected pavement, HSG D (A2)
21.130	70	Woods, Good, HSG C (A1, B, C3)
19.600	77	Woods, Good, HSG D (A1, A2, B, C3, D, E)
54.248	**73**	**TOTAL AREA**

Internal Use

Soil Listing (all nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.640	HSG A	C1-F, C3
0.000	HSG B	
22.810	HSG C	A1, A3, B, C1-F, C3
24.708	HSG D	A1, A2, A3, B, C1-F, C3, D, E
6.090	Other	A1, A2, A3, C1-F, C3
54.248		**TOTAL AREA**

Internal Use

Ground Covers (all nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
0.640	0.000	1.680	4.028	0.000	6.348	>75% Grass cover, Good	A1, A2, A3, B, C1-F, C3
0.000	0.000	0.000	0.000	0.180	0.180	GRAVEL ROADS C	C3
0.000	0.000	0.000	0.000	0.050	0.050	GRAVEL ROADS D	C1-F
0.000	0.000	0.000	0.000	0.040	0.040	GRAVEL ROADS, A	C1-F
0.000	0.000	0.000	0.000	0.080	0.080	GRAVEL ROADS, C	C1-F
0.000	0.000	0.000	0.000	0.100	0.100	Gravel Roads	A1
0.000	0.000	0.000	0.199	0.000	0.199	Paved	A3
0.000	0.000	0.000	0.000	5.640	5.640	STONE PAD	A2, A3
0.000	0.000	0.000	0.881	0.000	0.881	Unconnected pavement	A2
0.000	0.000	21.130	19.600	0.000	40.730	Woods, Good	A1, A2, B, C3, D, E
0.640	**0.000**	**22.810**	**24.708**	**6.090**	**54.248**	**TOTAL AREA**	

Internal Use

Pipe Listing (all nodes)

Line#	Node Number	In-Invert (feet)	Out-Invert (feet)	Length (feet)	Slope (ft/ft)	n	Diam/Width (inches)	Height (inches)	Inside-Fill (inches)
1	CB1	305.30	305.00	100.0	0.0030	0.015	36.0	0.0	0.0
2	CB2	312.00	310.00	103.0	0.0194	0.015	24.0	0.0	0.0
3	SF-1	305.60	305.30	40.0	0.0075	0.015	24.0	0.0	0.0
4	SF-1	305.70	305.66	100.0	0.0004	0.015	4.0	0.0	0.0
5	SF-2	306.67	306.50	30.0	0.0057	0.015	15.0	0.0	0.0
6	SF-2	306.70	306.67	100.0	0.0003	0.015	4.0	0.0	0.0

Internal Use

Time span=0.05-30.00 hrs, dt=0.05 hrs, 600 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment A1: SUBBASIN A1 Runoff Area=12.760 ac 0.00% Impervious Runoff Depth=0.88"
Flow Length=1,637' Tc=50.0 min CN=73 Runoff=5.30 cfs 0.938 af

Subcatchment A2: REVISED Runoff Area=6.339 ac 13.90% Impervious Runoff Depth=0.78"
Flow Length=1,263' Tc=16.5 min UI Adjusted CN=71 Runoff=3.74 cfs 0.414 af

Subcatchment A3: REVISED Runoff Area=3.619 ac 5.50% Impervious Runoff Depth=0.56"
Flow Length=873' Slope=0.0075 '/' Tc=12.3 min CN=66 Runoff=1.48 cfs 0.170 af

Subcatchment B: SUBBASIN B Runoff Area=5.140 ac 0.00% Impervious Runoff Depth=1.04"
Flow Length=815' Tc=24.5 min CN=76 Runoff=3.70 cfs 0.446 af

Subcatchment C1-F: SUBBASIN C1-FILTER Runoff Area=0.580 ac 0.00% Impervious Runoff Depth=1.28"
Tc=5.0 min CN=80 Runoff=0.86 cfs 0.062 af

Subcatchment C3: SUBBASIN C3 Runoff Area=22.110 ac 0.00% Impervious Runoff Depth=0.83"
Flow Length=2,500' Slope=0.0047 '/' Tc=93.6 min CN=72 Runoff=5.69 cfs 1.533 af

Subcatchment D: SUBBASIN D Runoff Area=0.740 ac 0.00% Impervious Runoff Depth=1.10"
Flow Length=116' Tc=12.1 min CN=77 Runoff=0.74 cfs 0.068 af

Subcatchment E: SUBBASIN E Runoff Area=2.960 ac 0.00% Impervious Runoff Depth=1.10"
Flow Length=327' Tc=13.2 min CN=77 Runoff=2.89 cfs 0.271 af

Reach AP-A: ANALYSIS PT A Inflow=6.38 cfs 1.425 af
Outflow=6.38 cfs 1.425 af

Reach AP-B: ANALYSIS PT B Inflow=3.70 cfs 0.446 af
Outflow=3.70 cfs 0.446 af

Reach AP-C: ANALYSIS PT C Inflow=5.71 cfs 1.568 af
Outflow=5.71 cfs 1.568 af

Reach AP-D: ANALYSIS PT D Inflow=0.74 cfs 0.068 af
Outflow=0.74 cfs 0.068 af

Reach AP-E: ANALYSIS PT D Inflow=2.89 cfs 0.271 af
Outflow=2.89 cfs 0.271 af

Pond CB1: DETENTION OCS Peak Elev=305.87' Inflow=1.44 cfs 0.487 af
36.0" Round Culvert n=0.015 L=100.0' S=0.0030 '/' Outflow=1.44 cfs 0.487 af

Pond CB2: CB-2 Peak Elev=312.82' Inflow=3.74 cfs 0.414 af
24.0" Round Culvert n=0.015 L=103.0' S=0.0194 '/' Outflow=3.74 cfs 0.414 af

Pond D1: DETENTION POND Peak Elev=309.78' Storage=227 cf Inflow=1.48 cfs 0.170 af
Outflow=1.39 cfs 0.170 af

Internal Use

Pond SF-1: SOIL FILTER-1 Peak Elev=309.18' Storage=7,160 cf Inflow=3.74 cfs 0.414 af
Primary=0.82 cfs 0.317 af Secondary=0.00 cfs 0.000 af Outflow=0.82 cfs 0.317 af

Pond SF-2: SOIL FILTER-2 Peak Elev=309.58' Storage=1,799 cf Inflow=0.86 cfs 0.062 af
Primary=0.02 cfs 0.035 af Secondary=0.00 cfs 0.000 af Outflow=0.02 cfs 0.035 af

Total Runoff Area = 54.248 ac Runoff Volume = 3.902 af Average Runoff Depth = 0.86"
98.01% Pervious = 53.168 ac 1.99% Impervious = 1.080 ac

Internal Use

Summary for Subcatchment A1: SUBBASIN A1

Runoff = 5.30 cfs @ 12.75 hrs, Volume= 0.938 af, Depth= 0.88"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.05-30.00 hrs, dt= 0.05 hrs
Type III 24-hr 2 year-PE Rainfall=3.04"

	Area (ac)	CN	Description
	4.930	77	Woods, Good, HSG D
	0.750	74	>75% Grass cover, Good, HSG C
	6.570	70	Woods, Good, HSG C
	0.410	80	>75% Grass cover, Good, HSG D
*	0.100	96	Gravel Roads
	12.760	73	Weighted Average
	12.760		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
30.7	100	0.0200	0.05		**Sheet Flow,** n= 0.600 P2= 3.00"
19.3	1,537	0.0078	1.32		**Shallow Concentrated Flow,** Grassed Waterway Kv= 15.0 fps
50.0	1,637	Total			

Summary for Subcatchment A2: REVISED

Runoff = 3.74 cfs @ 12.26 hrs, Volume= 0.414 af, Depth= 0.78"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.05-30.00 hrs, dt= 0.05 hrs
Type III 24-hr 2 year-PE Rainfall=3.04"

	Area (ac)	CN	Adj	Description
	0.130	77		Woods, Good, HSG D
	2.348	80		>75% Grass cover, Good, HSG D
*	2.980	60		STONE PAD
*	0.881	98		Unconnected pavement, HSG D
	6.339	73	71	Weighted Average, UI Adjusted
	5.458			86.10% Pervious Area
	0.881			13.90% Impervious Area
	0.881			100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.8	125	0.3333	0.24		**Sheet Flow, A2-1** Grass: Bermuda n= 0.410 P2= 3.00"
7.7	1,138	0.0100	2.47	10.88	**Channel Flow, A2-2** Area= 4.4 sf Perim= 8.1' r= 0.54' n= 0.040 Earth, dense weeds
16.5	1,263	Total			

Internal Use

Summary for Subcatchment A3: REVISED

Runoff = 1.48 cfs @ 12.21 hrs, Volume= 0.170 af, Depth= 0.56"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.05-30.00 hrs, dt= 0.05 hrs
Type III 24-hr 2 year-PE Rainfall=3.04"

	Area (ac)	CN	Description
	0.580	80	>75% Grass cover, Good, HSG D
	0.180	74	>75% Grass cover, Good, HSG C
*	2.660	60	STONE PAD
*	0.199	98	Paved, HSG D
	3.619	66	Weighted Average
	3.420		94.50% Pervious Area
	0.199		5.50% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.7	100	0.0075	0.97		**Sheet Flow, A3-1** n= 0.010 P2= 3.00"
6.6	548	0.0075	1.39		**Shallow Concentrated Flow, A3-2** Unpaved Kv= 16.1 fps
0.1	25		4.04		**Direct Entry, A3-3**
3.9	200		0.86		**Direct Entry, A3-4**
12.3	873	Total			

Summary for Subcatchment B: SUBBASIN B

Runoff = 3.70 cfs @ 12.37 hrs, Volume= 0.446 af, Depth= 1.04"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.05-30.00 hrs, dt= 0.05 hrs
Type III 24-hr 2 year-PE Rainfall=3.04"

Area (ac)	CN	Description
1.200	70	Woods, Good, HSG C
3.450	77	Woods, Good, HSG D
0.490	80	>75% Grass cover, Good, HSG D
5.140	76	Weighted Average
5.140		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.6	90	0.3333	0.23		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 3.00"
3.2	368	0.0163	1.92		**Shallow Concentrated Flow,** Grassed Waterway Kv= 15.0 fps
13.0	272	0.0140	0.35	1.15	**Channel Flow,** Area= 3.3 sf Perim= 7.2' r= 0.46' n= 0.300
1.7	85	0.1670	0.84	1.18	**Channel Flow,** Area= 1.4 sf Perim= 5.2' r= 0.27' n= 0.300
24.5	815	Total			

Internal Use

Summary for Subcatchment C1-F: SUBBASIN C1-FILTER

Runoff = 0.86 cfs @ 12.08 hrs, Volume= 0.062 af, Depth= 1.28"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.05-30.00 hrs, dt= 0.05 hrs
Type III 24-hr 2 year-PE Rainfall=3.04"

	Area (ac)	CN	Description
	0.040	39	>75% Grass cover, Good, HSG A
	0.170	80	>75% Grass cover, Good, HSG D
	0.200	74	>75% Grass cover, Good, HSG C
*	0.040	94	GRAVEL ROADS, A
*	0.080	96	GRAVEL ROADS, C
*	0.050	97	GRAVEL ROADS D
	0.580	80	Weighted Average
	0.580		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					**Direct Entry,**

Summary for Subcatchment C3: SUBBASIN C3

Runoff = 5.69 cfs @ 13.38 hrs, Volume= 1.533 af, Depth= 0.83"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.05-30.00 hrs, dt= 0.05 hrs
Type III 24-hr 2 year-PE Rainfall=3.04"

	Area (ac)	CN	Description
	0.030	80	>75% Grass cover, Good, HSG D
	13.360	70	Woods, Good, HSG C
	7.390	77	Woods, Good, HSG D
	0.600	39	>75% Grass cover, Good, HSG A
	0.550	74	>75% Grass cover, Good, HSG C
*	0.180	96	GRAVEL ROADS C
	22.110	72	Weighted Average
	22.110		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
54.7	100	0.0047	0.03		**Sheet Flow,** n= 0.600 P2= 3.00"
38.9	2,400	0.0047	1.03		**Shallow Concentrated Flow,** Grassed Waterway Kv= 15.0 fps
93.6	2,500	Total			

Internal Use

Summary for Subcatchment D: SUBBASIN D

Runoff = 0.74 cfs @ 12.18 hrs, Volume= 0.068 af, Depth= 1.10"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.05-30.00 hrs, dt= 0.05 hrs
Type III 24-hr 2 year-PE Rainfall=3.04"

Area (ac)	CN	Description
0.740	77	Woods, Good, HSG D
0.740		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.0	100	0.2100	0.14		**Sheet Flow,** n= 0.600 P2= 3.00"
0.1	16	0.1450	1.90		**Shallow Concentrated Flow,** Woodland Kv= 5.0 fps
12.1	116	Total			

Summary for Subcatchment E: SUBBASIN E

Runoff = 2.89 cfs @ 12.20 hrs, Volume= 0.271 af, Depth= 1.10"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.05-30.00 hrs, dt= 0.05 hrs
Type III 24-hr 2 year-PE Rainfall=3.04"

Area (ac)	CN	Description
2.960	77	Woods, Good, HSG D
2.960		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
11.4	100	0.2400	0.15		**Sheet Flow,** n= 0.600 P2= 3.00"
1.8	227	0.1800	2.12		**Shallow Concentrated Flow,** Woodland Kv= 5.0 fps
13.2	327	Total			

Summary for Reach AP-A: ANALYSIS PT A

Inflow Area = 22.718 ac, 4.75% Impervious, Inflow Depth > 0.75" for 2 year-PE event
Inflow = 6.38 cfs @ 12.77 hrs, Volume= 1.425 af
Outflow = 6.38 cfs @ 12.77 hrs, Volume= 1.425 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.05-30.00 hrs, dt= 0.05 hrs

Internal Use

Summary for Reach AP-B: ANALYSIS PT B

Inflow Area = 5.140 ac, 0.00% Impervious, Inflow Depth = 1.04" for 2 year-PE event
Inflow = 3.70 cfs @ 12.37 hrs, Volume= 0.446 af
Outflow = 3.70 cfs @ 12.37 hrs, Volume= 0.446 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.05-30.00 hrs, dt= 0.05 hrs

Summary for Reach AP-C: ANALYSIS PT C

Inflow Area = 22.690 ac, 0.00% Impervious, Inflow Depth > 0.83" for 2 year-PE event
Inflow = 5.71 cfs @ 13.38 hrs, Volume= 1.568 af
Outflow = 5.71 cfs @ 13.38 hrs, Volume= 1.568 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.05-30.00 hrs, dt= 0.05 hrs

Summary for Reach AP-D: ANALYSIS PT D

Inflow Area = 0.740 ac, 0.00% Impervious, Inflow Depth = 1.10" for 2 year-PE event
Inflow = 0.74 cfs @ 12.18 hrs, Volume= 0.068 af
Outflow = 0.74 cfs @ 12.18 hrs, Volume= 0.068 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.05-30.00 hrs, dt= 0.05 hrs

Summary for Reach AP-E: ANALYSIS PT D

Inflow Area = 2.960 ac, 0.00% Impervious, Inflow Depth = 1.10" for 2 year-PE event
Inflow = 2.89 cfs @ 12.20 hrs, Volume= 0.271 af
Outflow = 2.89 cfs @ 12.20 hrs, Volume= 0.271 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.05-30.00 hrs, dt= 0.05 hrs

Summary for Pond CB1: DETENTION OCS

Inflow Area = 9.958 ac, 10.85% Impervious, Inflow Depth > 0.59" for 2 year-PE event
Inflow = 1.44 cfs @ 12.28 hrs, Volume= 0.487 af
Outflow = 1.44 cfs @ 12.28 hrs, Volume= 0.487 af, Atten= 0%, Lag= 0.0 min
Primary = 1.44 cfs @ 12.28 hrs, Volume= 0.487 af

Routing by Stor-Ind method, Time Span= 0.05-30.00 hrs, dt= 0.05 hrs
Peak Elev= 305.87' @ 12.28 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	305.30'	**36.0" Round Culvert** L= 100.0' RCP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 305.30' / 305.00' S= 0.0030 '/' Cc= 0.900 n= 0.015, Flow Area= 7.07 sf

Primary OutFlow Max=1.44 cfs @ 12.28 hrs HW=305.87' (Free Discharge)
└**1=Culvert** (Barrel Controls 1.44 cfs @ 2.31 fps)

Internal Use

Summary for Pond CB2: CB-2

Inflow Area = 6.339 ac, 13.90% Impervious, Inflow Depth = 0.78" for 2 year-PE event
Inflow = 3.74 cfs @ 12.26 hrs, Volume= 0.414 af
Outflow = 3.74 cfs @ 12.26 hrs, Volume= 0.414 af, Atten= 0%, Lag= 0.0 min
Primary = 3.74 cfs @ 12.26 hrs, Volume= 0.414 af

Routing by Stor-Ind method, Time Span= 0.05-30.00 hrs, dt= 0.05 hrs
Peak Elev= 312.82' @ 12.26 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	312.00'	**24.0" Round Culvert** L= 103.0' RCP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 312.00' / 310.00' S= 0.0194 '/' Cc= 0.900 n= 0.015, Flow Area= 3.14 sf

Primary OutFlow Max=3.72 cfs @ 12.26 hrs HW=312.82' (Free Discharge)
└─**1=Culvert** (Inlet Controls 3.72 cfs @ 3.08 fps)

Summary for Pond D1: DETENTION POND

Inflow Area = 3.619 ac, 5.50% Impervious, Inflow Depth = 0.56" for 2 year-PE event
Inflow = 1.48 cfs @ 12.21 hrs, Volume= 0.170 af
Outflow = 1.39 cfs @ 12.27 hrs, Volume= 0.170 af, Atten= 6%, Lag= 3.7 min
Primary = 1.39 cfs @ 12.27 hrs, Volume= 0.170 af

Routing by Stor-Ind method, Time Span= 0.05-30.00 hrs, dt= 0.05 hrs
Peak Elev= 309.78' @ 12.27 hrs Surf.Area= 1,533 sf Storage= 227 cf

Plug-Flow detention time= 2.2 min calculated for 0.170 af (100% of inflow)
Center-of-Mass det. time= 2.1 min (904.1 - 901.9)

Volume	Invert	Avail.Storage	Storage Description
#1	309.50'	27,539 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
309.50	113	0	0
310.00	2,690	701	701
310.70	13,157	5,546	6,247
311.00	13,609	4,015	10,262
312.00	20,945	17,277	27,539

Device	Routing	Invert	Outlet Devices
#1	Primary	309.50'	**36.0" W x 4.0" H Vert. Orifice/Grate** C= 0.600
#2	Primary	311.00'	**24.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads

Primary OutFlow Max=1.38 cfs @ 12.27 hrs HW=309.77' (Free Discharge)
├─**1=Orifice/Grate** (Orifice Controls 1.38 cfs @ 1.68 fps)
└─**2=Orifice/Grate** (Controls 0.00 cfs)

Internal Use

Summary for Pond SF-1: SOIL FILTER-1

Inflow Area = 6.339 ac, 13.90% Impervious, Inflow Depth = 0.78" for 2 year-PE event
Inflow = 3.74 cfs @ 12.26 hrs, Volume= 0.414 af
Outflow = 0.82 cfs @ 13.05 hrs, Volume= 0.317 af, Atten= 78%, Lag= 47.3 min
Primary = 0.82 cfs @ 13.05 hrs, Volume= 0.317 af
Secondary = 0.00 cfs @ 0.05 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.05-30.00 hrs, dt= 0.05 hrs
Peak Elev= 309.18' @ 13.05 hrs Surf.Area= 6,109 sf Storage= 7,160 cf

Plug-Flow detention time= 274.9 min calculated for 0.316 af (76% of inflow)
Center-of-Mass det. time= 183.6 min (1,069.3 - 885.7)

Volume	Invert	Avail.Storage	Storage Description
#1	305.66'	29,330 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
305.66	2,178	0.0	0	0
307.99	2,178	40.0	2,030	2,030
308.00	2,178	100.0	22	2,052
309.00	5,898	100.0	4,038	6,090
310.00	7,084	100.0	6,491	12,581
311.00	8,346	100.0	7,715	20,296
312.00	9,722	100.0	9,034	29,330

Device	Routing	Invert	Outlet Devices
#1	Primary	305.60'	**24.0" Round Culvert** L= 40.0' RCP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 305.60' / 305.30' S= 0.0075 '/' Cc= 0.900 n= 0.015, Flow Area= 3.14 sf
#2	Primary	305.70'	**4.0" Round Culvert** L= 100.0' RCP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 305.70' / 305.66' S= 0.0004 '/' Cc= 0.900 n= 0.015, Flow Area= 0.09 sf
#3	Device 2	305.66'	**0.750 in/hr Exfiltration over Surface area**
#4	Device 1	309.00'	**35.0" W x 6.0" H Vert. Orifice/Grate** C= 0.600
#5	Device 1	312.00'	**5.0" x 5.0" Horiz. Orifice/Grate X 10.00** C= 0.600 Limited to weir flow at low heads
#6	Secondary	310.70'	**55.0' long x 6.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.37 2.51 2.70 2.68 2.68 2.67 2.65 2.65 2.65 2.65 2.66 2.66 2.67 2.69 2.72 2.76 2.83

Internal Use

Primary OutFlow Max=0.81 cfs @ 13.05 hrs HW=309.18' (Free Discharge)
- **1=Culvert** (Passes 0.70 cfs of 23.49 cfs potential flow)
  - **4=Orifice/Grate** (Orifice Controls 0.70 cfs @ 1.36 fps)
  - **5=Orifice/Grate** (Controls 0.00 cfs)
- **2=Culvert** (Passes 0.11 cfs of 0.28 cfs potential flow)
  - **3=Exfiltration** (Exfiltration Controls 0.11 cfs)

Secondary OutFlow Max=0.00 cfs @ 0.05 hrs HW=305.66' (Free Discharge)
- **6=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

Summary for Pond SF-2: SOIL FILTER-2

Inflow Area =	0.580 ac,	0.00% Impervious,	Inflow Depth =	1.28"	for 2 year-PE event
Inflow =	0.86 cfs @	12.08 hrs,	Volume=	0.062 af	
Outflow =	0.02 cfs @	17.58 hrs,	Volume=	0.035 af,	Atten= 97%, Lag= 329.7 min
Primary =	0.02 cfs @	17.58 hrs,	Volume=	0.035 af	
Secondary =	0.00 cfs @	0.05 hrs,	Volume=	0.000 af	

Routing by Stor-Ind method, Time Span= 0.05-30.00 hrs, dt= 0.05 hrs
Peak Elev= 309.58' @ 17.58 hrs Surf.Area= 1,380 sf Storage= 1,799 cf

Plug-Flow detention time= 507.1 min calculated for 0.035 af (57% of inflow)
Center-of-Mass det. time= 390.1 min (1,234.7 - 844.5)

Volume	Invert	Avail.Storage	Storage Description
#1	306.70'	11,667 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
306.70	1,150	0.0	0	0
308.99	1,150	40.0	1,053	1,053
309.00	1,150	100.0	11	1,065
309.50	1,337	100.0	622	1,687
310.50	1,851	100.0	1,594	3,281
311.50	2,684	100.0	2,268	5,548
312.50	3,337	100.0	3,011	8,559
313.00	9,097	100.0	3,109	11,667

Device	Routing	Invert	Outlet Devices
#1	Primary	306.67'	**15.0" Round Culvert** L= 30.0' RCP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 306.67' / 306.50' S= 0.0057 '/' Cc= 0.900 n= 0.015, Flow Area= 1.23 sf
#2	Primary	306.70'	**4.0" Round Culvert** L= 100.0' RCP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 306.70' / 306.67' S= 0.0003 '/' Cc= 0.900 n= 0.015, Flow Area= 0.09 sf
#3	Device 2	306.70'	**0.750 in/hr Exfiltration over Surface area**
#4	Device 1	310.50'	**2.0" Vert. Orifice/Grate** C= 0.600
#5	Device 1	311.25'	**24.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads

Internal Use

#6 Secondary 312.00' **14.0' long x 6.0' breadth Broad-Crested Rectangular Weir**
Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50
Coef. (English) 2.37 2.51 2.70 2.68 2.68 2.67 2.65 2.65 2.65 2.65 2.66 2.66 2.67 2.69 2.72 2.76 2.83

Primary OutFlow Max=0.02 cfs @ 17.58 hrs HW=309.58' (Free Discharge)
- **1=Culvert** (Passes 0.00 cfs of 8.55 cfs potential flow)
  - **4=Orifice/Grate** (Controls 0.00 cfs)
  - **5=Orifice/Grate** (Controls 0.00 cfs)
- **2=Culvert** (Passes 0.02 cfs of 0.25 cfs potential flow)
  - **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Secondary OutFlow Max=0.00 cfs @ 0.05 hrs HW=306.70' (Free Discharge)
- **6=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

Internal Use

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Internal Use

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
0.640	39	>75% Grass cover, Good, HSG A (C1-F, C3)
1.680	74	>75% Grass cover, Good, HSG C (A1, A3, C1-F, C3)
4.028	80	>75% Grass cover, Good, HSG D (A1, A2, A3, B, C1-F, C3)
0.180	96	GRAVEL ROADS C (C3)
0.050	97	GRAVEL ROADS D (C1-F)
0.040	94	GRAVEL ROADS, A (C1-F)
0.080	96	GRAVEL ROADS, C (C1-F)
0.100	96	Gravel Roads (A1)
0.199	98	Paved, HSG D (A3)
5.640	60	STONE PAD (A2, A3)
0.881	98	Unconnected pavement, HSG D (A2)
21.130	70	Woods, Good, HSG C (A1, B, C3)
19.600	77	Woods, Good, HSG D (A1, A2, B, C3, D, E)
54.248	**73**	**TOTAL AREA**

Internal Use

Soil Listing (all nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.640	HSG A	C1-F, C3
0.000	HSG B	
22.810	HSG C	A1, A3, B, C1-F, C3
24.708	HSG D	A1, A2, A3, B, C1-F, C3, D, E
6.090	Other	A1, A2, A3, C1-F, C3
54.248		**TOTAL AREA**

Internal Use

Ground Covers (all nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
0.640	0.000	1.680	4.028	0.000	6.348	>75% Grass cover, Good	A1, A2, A3, B, C1-F, C3
0.000	0.000	0.000	0.000	0.180	0.180	GRAVEL ROADS C	C3
0.000	0.000	0.000	0.000	0.050	0.050	GRAVEL ROADS D	C1-F
0.000	0.000	0.000	0.000	0.040	0.040	GRAVEL ROADS, A	C1-F
0.000	0.000	0.000	0.000	0.080	0.080	GRAVEL ROADS, C	C1-F
0.000	0.000	0.000	0.000	0.100	0.100	Gravel Roads	A1
0.000	0.000	0.000	0.199	0.000	0.199	Paved	A3
0.000	0.000	0.000	0.000	5.640	5.640	STONE PAD	A2, A3
0.000	0.000	0.000	0.881	0.000	0.881	Unconnected pavement	A2
0.000	0.000	21.130	19.600	0.000	40.730	Woods, Good	A1, A2, B, C3, D, E
0.640	**0.000**	**22.810**	**24.708**	**6.090**	**54.248**	**TOTAL AREA**	

Internal Use

Time span=0.05-30.00 hrs, dt=0.05 hrs, 600 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment A1: SUBBASIN A1 Runoff Area=12.760 ac 0.00% Impervious Runoff Depth=1.93"
Flow Length=1,637' Tc=50.0 min CN=73 Runoff=12.41 cfs 2.056 af

Subcatchment A2: REVISED Runoff Area=6.339 ac 13.90% Impervious Runoff Depth=1.78"
Flow Length=1,263' Tc=16.5 min UI Adjusted CN=71 Runoff=9.34 cfs 0.942 af

Subcatchment A3: REVISED Runoff Area=3.619 ac 5.50% Impervious Runoff Depth=1.43"
Flow Length=873' Slope=0.0075 '/' Tc=12.3 min CN=66 Runoff=4.56 cfs 0.431 af

Subcatchment B: SUBBASIN B Runoff Area=5.140 ac 0.00% Impervious Runoff Depth=2.17"
Flow Length=815' Tc=24.5 min CN=76 Runoff=8.02 cfs 0.929 af

Subcatchment C1-F: SUBBASIN C1-FILTER Runoff Area=0.580 ac 0.00% Impervious Runoff Depth=2.50"
Tc=5.0 min CN=80 Runoff=1.70 cfs 0.121 af

Subcatchment C3: SUBBASIN C3 Runoff Area=22.110 ac 0.00% Impervious Runoff Depth=1.86"
Flow Length=2,500' Slope=0.0047 '/' Tc=93.6 min CN=72 Runoff=13.79 cfs 3.422 af

Subcatchment D: SUBBASIN D Runoff Area=0.740 ac 0.00% Impervious Runoff Depth=2.25"
Flow Length=116' Tc=12.1 min CN=77 Runoff=1.58 cfs 0.139 af

Subcatchment E: SUBBASIN E Runoff Area=2.960 ac 0.00% Impervious Runoff Depth=2.25"
Flow Length=327' Tc=13.2 min CN=77 Runoff=6.12 cfs 0.555 af

Reach AP-A: ANALYSIS PT A Inflow=19.93 cfs 3.329 af
Outflow=19.93 cfs 3.329 af

Reach AP-B: ANALYSIS PT B Inflow=8.02 cfs 0.929 af
Outflow=8.02 cfs 0.929 af

Reach AP-C: ANALYSIS PT C Inflow=13.83 cfs 3.484 af
Outflow=13.83 cfs 3.484 af

Reach AP-D: ANALYSIS PT D Inflow=1.58 cfs 0.139 af
Outflow=1.58 cfs 0.139 af

Reach AP-E: ANALYSIS PT D Inflow=6.12 cfs 0.555 af
Outflow=6.12 cfs 0.555 af

Pond CB1: DETENTION OCS Peak Elev=306.71' Inflow=8.56 cfs 1.273 af
36.0" Round Culvert n=0.015 L=100.0' S=0.0030 '/' Outflow=8.56 cfs 1.273 af

Pond CB2: CB-2 Peak Elev=313.39' Inflow=9.34 cfs 0.942 af
24.0" Round Culvert n=0.015 L=103.0' S=0.0194 '/' Outflow=9.34 cfs 0.942 af

Pond D1: DETENTION POND Peak Elev=310.16' Storage=1,328 cf Inflow=4.56 cfs 0.431 af
Outflow=3.37 cfs 0.431 af

Internal Use

Pond SF-1: SOIL FILTER-1 Peak Elev=309.82' Storage=11,347 cf Inflow=9.34 cfs 0.942 af
Primary=5.39 cfs 0.842 af Secondary=0.00 cfs 0.000 af Outflow=5.39 cfs 0.842 af

Pond SF-2: SOIL FILTER-2 Peak Elev=310.65' Storage=3,577 cf Inflow=1.70 cfs 0.121 af
Primary=0.06 cfs 0.061 af Secondary=0.00 cfs 0.000 af Outflow=0.06 cfs 0.061 af

Total Runoff Area = 54.248 ac Runoff Volume = 8.595 af Average Runoff Depth = 1.90"
98.01% Pervious = 53.168 ac 1.99% Impervious = 1.080 ac

Internal Use

F-3 25 YEAR-SUMMARY_POST-HYDROCAD REPORT

Internal Use

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
0.640	39	>75% Grass cover, Good, HSG A (C1-F, C3)
1.680	74	>75% Grass cover, Good, HSG C (A1, A3, C1-F, C3)
4.028	80	>75% Grass cover, Good, HSG D (A1, A2, A3, B, C1-F, C3)
0.180	96	GRAVEL ROADS C (C3)
0.050	97	GRAVEL ROADS D (C1-F)
0.040	94	GRAVEL ROADS, A (C1-F)
0.080	96	GRAVEL ROADS, C (C1-F)
0.100	96	Gravel Roads (A1)
0.199	98	Paved, HSG D (A3)
5.640	60	STONE PAD (A2, A3)
0.881	98	Unconnected pavement, HSG D (A2)
21.130	70	Woods, Good, HSG C (A1, B, C3)
19.600	77	Woods, Good, HSG D (A1, A2, B, C3, D, E)
54.248	**73**	**TOTAL AREA**

Internal Use

Soil Listing (all nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.640	HSG A	C1-F, C3
0.000	HSG B	
22.810	HSG C	A1, A3, B, C1-F, C3
24.708	HSG D	A1, A2, A3, B, C1-F, C3, D, E
6.090	Other	A1, A2, A3, C1-F, C3
54.248		**TOTAL AREA**

Internal Use

Ground Covers (all nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
0.640	0.000	1.680	4.028	0.000	6.348	>75% Grass cover, Good	A1, A2, A3, B, C1-F, C3
0.000	0.000	0.000	0.000	0.180	0.180	GRAVEL ROADS C	C3
0.000	0.000	0.000	0.000	0.050	0.050	GRAVEL ROADS D	C1-F
0.000	0.000	0.000	0.000	0.040	0.040	GRAVEL ROADS, A	C1-F
0.000	0.000	0.000	0.000	0.080	0.080	GRAVEL ROADS, C	C1-F
0.000	0.000	0.000	0.000	0.100	0.100	Gravel Roads	A1
0.000	0.000	0.000	0.199	0.000	0.199	Paved	A3
0.000	0.000	0.000	0.000	5.640	5.640	STONE PAD	A2, A3
0.000	0.000	0.000	0.881	0.000	0.881	Unconnected pavement	A2
0.000	0.000	21.130	19.600	0.000	40.730	Woods, Good	A1, A2, B, C3, D, E
0.640	**0.000**	**22.810**	**24.708**	**6.090**	**54.248**	**TOTAL AREA**	

Internal Use

Time span=0.05-30.00 hrs, dt=0.05 hrs, 600 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment A1: SUBBASIN A1 Runoff Area=12.760 ac 0.00% Impervious Runoff Depth=2.67"
Flow Length=1,637' Tc=50.0 min CN=73 Runoff=17.35 cfs 2.840 af

Subcatchment A2: REVISED Runoff Area=6.339 ac 13.90% Impervious Runoff Depth=2.49"
Flow Length=1,263' Tc=16.5 min UI Adjusted CN=71 Runoff=13.28 cfs 1.317 af

Subcatchment A3: REVISED Runoff Area=3.619 ac 5.50% Impervious Runoff Depth=2.07"
Flow Length=873' Slope=0.0075 '/' Tc=12.3 min CN=66 Runoff=6.83 cfs 0.624 af

Subcatchment B: SUBBASIN B Runoff Area=5.140 ac 0.00% Impervious Runoff Depth=2.94"
Flow Length=815' Tc=24.5 min CN=76 Runoff=10.95 cfs 1.261 af

Subcatchment C1-F: SUBBASIN C1-FILTER Runoff Area=0.580 ac 0.00% Impervious Runoff Depth=3.32"
Tc=5.0 min CN=80 Runoff=2.26 cfs 0.161 af

Subcatchment C3: SUBBASIN C3 Runoff Area=22.110 ac 0.00% Impervious Runoff Depth=2.58"
Flow Length=2,500' Slope=0.0047 '/' Tc=93.6 min CN=72 Runoff=19.52 cfs 4.757 af

Subcatchment D: SUBBASIN D Runoff Area=0.740 ac 0.00% Impervious Runoff Depth=3.04"
Flow Length=116' Tc=12.1 min CN=77 Runoff=2.15 cfs 0.187 af

Subcatchment E: SUBBASIN E Runoff Area=2.960 ac 0.00% Impervious Runoff Depth=3.04"
Flow Length=327' Tc=13.2 min CN=77 Runoff=8.29 cfs 0.749 af

Reach AP-A: ANALYSIS PT A Inflow=28.28 cfs 4.680 af
Outflow=28.28 cfs 4.680 af

Reach AP-B: ANALYSIS PT B Inflow=10.95 cfs 1.261 af
Outflow=10.95 cfs 1.261 af

Reach AP-C: ANALYSIS PT C Inflow=19.62 cfs 4.855 af
Outflow=19.62 cfs 4.855 af

Reach AP-D: ANALYSIS PT D Inflow=2.15 cfs 0.187 af
Outflow=2.15 cfs 0.187 af

Reach AP-E: ANALYSIS PT D Inflow=8.29 cfs 0.749 af
Outflow=8.29 cfs 0.749 af

Pond CB1: DETENTION OCS Peak Elev=306.96' Inflow=11.62 cfs 1.841 af
36.0" Round Culvert n=0.015 L=100.0' S=0.0030 '/' Outflow=11.62 cfs 1.841 af

Pond CB2: CB-2 Peak Elev=313.77' Inflow=13.28 cfs 1.317 af
24.0" Round Culvert n=0.015 L=103.0' S=0.0194 '/' Outflow=13.28 cfs 1.317 af

Pond D1: DETENTION POND Peak Elev=310.40' Storage=2,988 cf Inflow=6.83 cfs 0.624 af
Outflow=4.12 cfs 0.624 af

Internal Use

Pond SF-1: SOIL FILTER-1 Peak Elev=310.37' Storage=15,307 cf Inflow=13.28 cfs 1.317 af
Primary=7.55 cfs 1.216 af Secondary=0.00 cfs 0.000 af Outflow=7.55 cfs 1.216 af

Pond SF-2: SOIL FILTER-2 Peak Elev=311.01' Storage=4,324 cf Inflow=2.26 cfs 0.161 af
Primary=0.11 cfs 0.099 af Secondary=0.00 cfs 0.000 af Outflow=0.11 cfs 0.099 af

Total Runoff Area = 54.248 ac Runoff Volume = 11.897 af Average Runoff Depth = 2.63"
98.01% Pervious = 53.168 ac 1.99% Impervious = 1.080 ac

Internal Use

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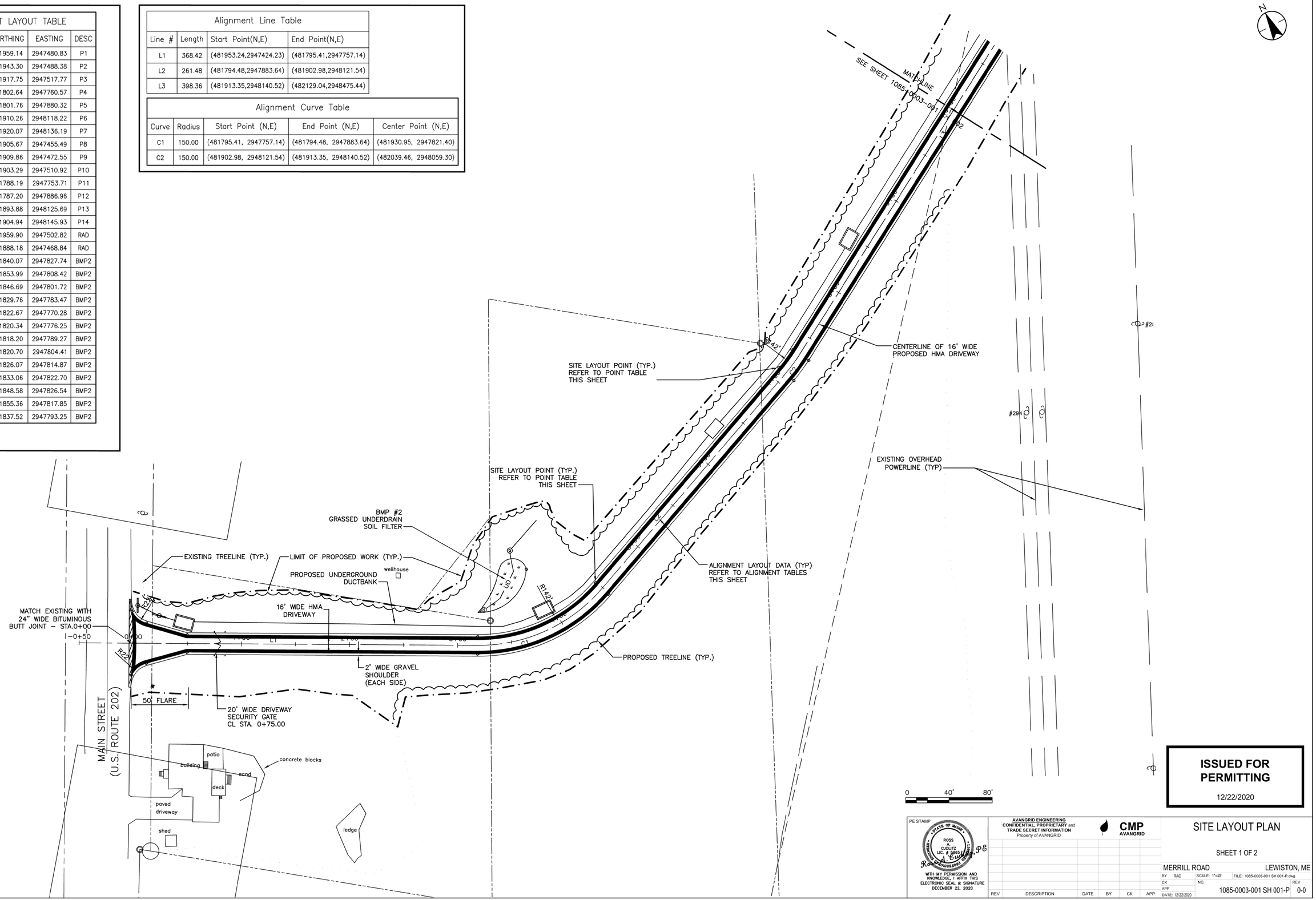
POINT LAYOUT TABLE			
POINT #	NORTHING	EASTING	DESC
1	481959.14	2947480.83	P1
2	481943.30	2947488.38	P2
3	481917.75	2947517.77	P3
4	481802.64	2947760.57	P4
5	481801.76	2947880.32	P5
6	481910.26	2948118.22	P6
7	481920.07	2948136.19	P7
8	481905.67	2947455.49	P8
9	481909.86	2947472.55	P9
10	481903.29	2947510.92	P10
11	481788.19	2947753.71	P11
12	481787.20	2947886.96	P12
13	481893.88	2948125.69	P13
14	481904.94	2948145.93	P14
30	481959.90	2947502.82	RAD
31	481888.18	2947468.84	RAD
42	481840.07	2947827.74	BMP2
43	481853.99	2947808.42	BMP2
44	481846.69	2947801.72	BMP2
45	481829.76	2947783.47	BMP2
46	481822.67	2947770.28	BMP2
47	481820.34	2947776.25	BMP2
48	481818.20	2947789.27	BMP2
49	481820.70	2947804.41	BMP2
50	481826.07	2947814.87	BMP2
51	481833.06	2947822.70	BMP2
52	481848.58	2947826.54	BMP2
53	481855.36	2947817.85	BMP2
54	481837.52	2947793.25	BMP2

Alignment Line Table			
Line #	Length	Start Point(N,E)	End Point(N,E)
L1	368.42	(481953.24,2947424.23)	(481795.41,2947757.14)
L2	261.48	(481794.48,2947883.64)	(481902.98,2948121.54)
L3	398.36	(481913.35,2948140.52)	(482129.04,2948475.44)

Alignment Curve Table				
Curve	Radius	Start Point (N,E)	End Point (N,E)	Center Point (N,E)
C1	150.00	(481795.41, 2947757.14)	(481794.48, 2947883.64)	(481930.95, 2947821.40)
C2	150.00	(481902.98, 2948121.54)	(481913.35, 2948140.52)	(482039.46, 2948059.30)



ISSUED FOR PERMITTING

12/22/2020

PE STAMP

STATE OF MAINE — ROSS A. CUDLITZ — LIC. # 9861 — REGISTERED PROFESSIONAL ENGINEER

WITH MY PERMISSION AND KNOWLEDGE, I AFFIX THIS ELECTRONIC SEAL & SIGNATURE DECEMBER 22, 2020

AVANGRID ENGINEERING
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Property of AVANGRID

CMP AVANGRID

REV	DESCRIPTION	DATE	BY	CK	APP

SITE LAYOUT PLAN

SHEET 1 OF 2

MERRILL ROAD — LEWISTON, ME

BY	RAC	SCALE: 1"=40'	FILE: 1085-0003-001 SH 001-P.dwg
CK		NO.	REV
APP		1085-0003-001 SH 001-P	0-0
DATE: 12/22/2020			

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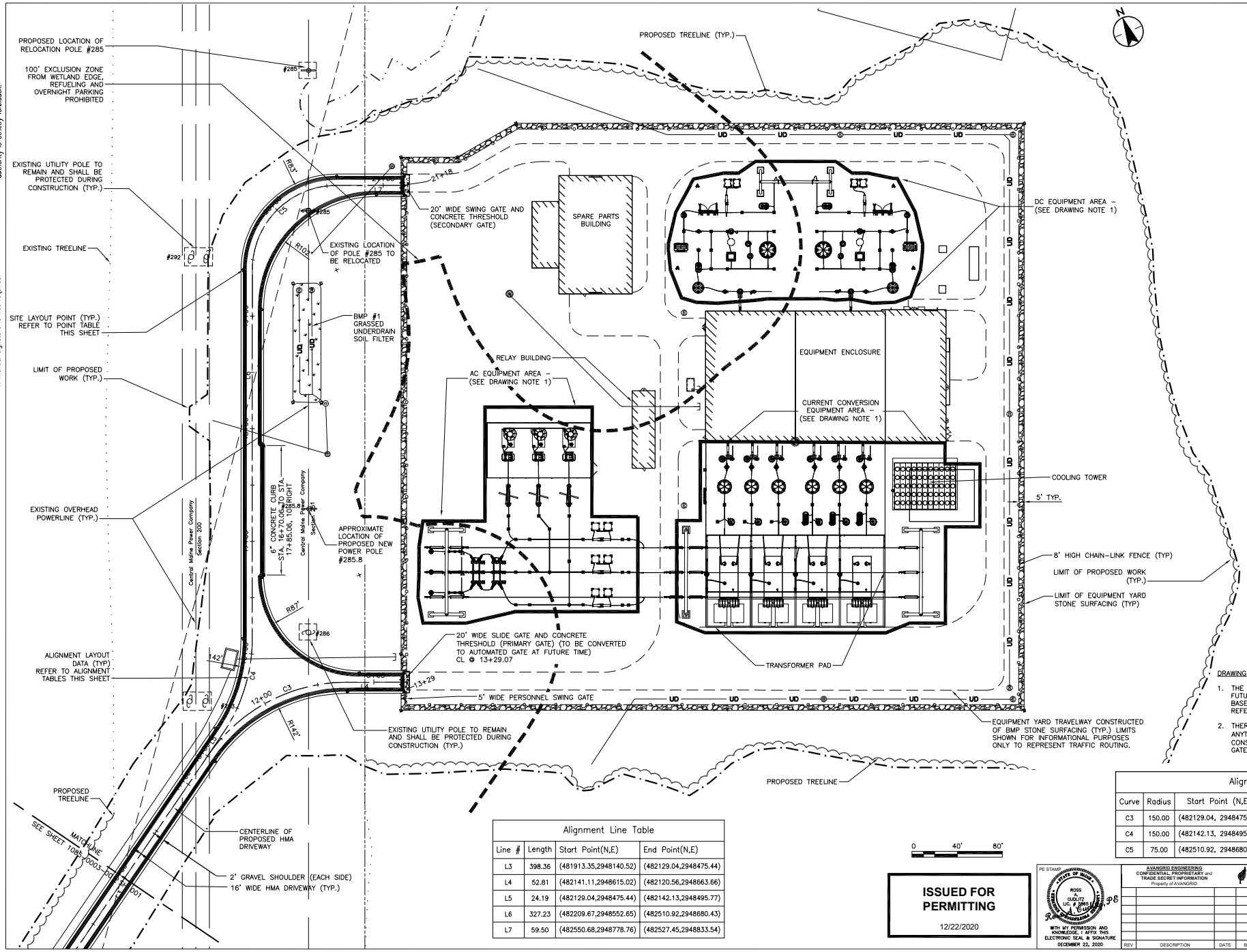

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6	481910.26	2948118.22	P6
7	481920.07	2948136.19	P7
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9	481909.86	2947472.55	P9
10	481903.29	2947510.92	P10
11	481788.19	2947753.71	P11
12	481787.20	2947886.96	P12
13	481893.88	2948125.69	P13
14	481904.94	2948145.93	P14
15	482148.86	2948491.44	P15
16	482212.79	2948545.28	P16
17	482614.05	2948473.06	P17
18	482558.05	2948781.88	P18
19	482534.81	2948836.66	P19
20	482122.31	2948479.77	P20
21	482133.74	2948611.91	P21
22	482114.15	2948658.23	P22
23	482128.88	2948664.47	P23
24	482144.22	2948628.22	P24
25	482256.50	2948581.22	P25
26	482475.58	2948674.12	P26
27	482529.65	2948807.86	P27
28	482520.08	2948830.41	P28
30	481959.90	2947502.82	RAD
31	481888.18	2947468.84	RAD
35	482257.55	2948583.82	P35
36	482363.42	2948628.72	P36
37	482366.04	2948627.66	P37
38	482378.55	2948690.55	BMP O/S
39	482398.70	2948667.87	BMP O/S
40	482485.76	2948709.02	BMP O/S
41	482476.18	2948731.95	BMP O/S
101	482539.24	2948946.58	P101
102	482363.12	2949361.81	P102
103	481883.46	2949158.36	P103
104	482099.42	2948649.27	P104
105	482145.45	2948668.79	P105
106	482527.45	2948833.54	P106
107	482551.44	2948841.00	P107

DRAWING NOTES:

1. THE SUBSTATION YARD LAYOUT TO BE COMPLETED AT A FUTURE TIME. EQUIPMENT LAYOUT SHOWN IS APPROXIMATE BASED ON PRELIMINARY DESIGN BY ABB AND SHOWN FOR REFERENCE ONLY.
2. THERE SHALL BE NO OVERNIGHT PARKING OR REFUELING AT ANYTIME ON THE ACCESS ROAD (DURING OR AFTER CONSTRUCTION) FROM STATION 10+00 TO THE ENTRANCE GATES OF THE PAD DUE TO PROXIMITY TO RESOURCES.

Alignment Line Table			
Line #	Length	Start Point(N,E)	End Point(N,E)
L3	398.36	(481913.35,2948140.52)	(482129.04,2948475.44)
L4	52.81	(482141.11,2948615.02)	(482120.56,2948663.66)
L5	24.19	(482129.04,2948475.44)	(482142.13,2948495.77)
L6	327.23	(482209.67,2948552.65)	(482510.92,2948680.43)
L7	59.50	(482550.68,2948778.76)	(482527.45,2948833.54)

Alignment Curve Table				
Curve	Radius	Start Point (N,E)	End Point (N,E)	Center Point (N,E)
C3	150.00	(482129.04, 2948475.44)	(482141.11, 2948615.02)	(482002.93, 2948556.65)
C4	150.00	(482142.13, 2948495.77)	(482209.67, 2948552.65)	(482268.24, 2948414.55)
C5	75.00	(482510.92, 2948680.43)	(482550.68, 2948778.76)	(482481.64, 2948749.47)

ISSUED FOR PERMITTING

12/22/2020

PE STAMP

STATE OF MAINE ROSS A. CUCUTZ No. 9 LICENSED PROFESSIONAL ENGINEER

WITH MY PERMISSION AND KNOWLEDGE, I AFFIX THIS ELECTRONIC SEAL & SIGNATURE DECEMBER 22, 2020

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CMP AVANGRID

REV.	DESCRIPTION	DATE	BY	CK	APP

SITE LAYOUT PLAN

SHEET 2 OF 2

MERRILL ROAD — LEWISTON, ME

BY: RAC | SCALE: 1" = 40' | FILE: 1085-0003-001 SH 002-P.dwg
CK: | NO.: 1085-0003-001 SH 002-P | REV: 0-0
APP:
DATE: 12/22/2020

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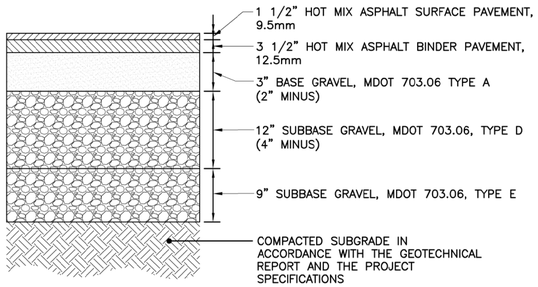
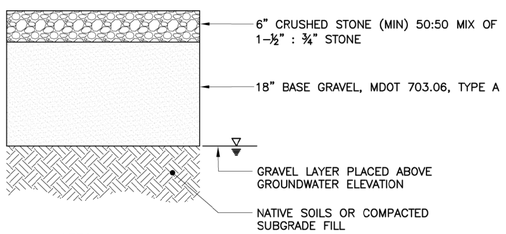


NOTES:

1. APPLY TACK COAT BETWEEN BINDER AND SURFACE COURSES.
2. ALL MATERIALS SHALL CONFORM TO MDOT SPECIFICATIONS, LATEST REVISION.
3. COMPACTION OF ALL MATERIALS TO BE IN ACCORDANCE WITH THE SPECIFICATIONS AND THE GEOTECHNICAL REPORT.

(A) DRIVEWAY HOT MIX ASPHALT PAVEMENT SECTION

N.T.S.

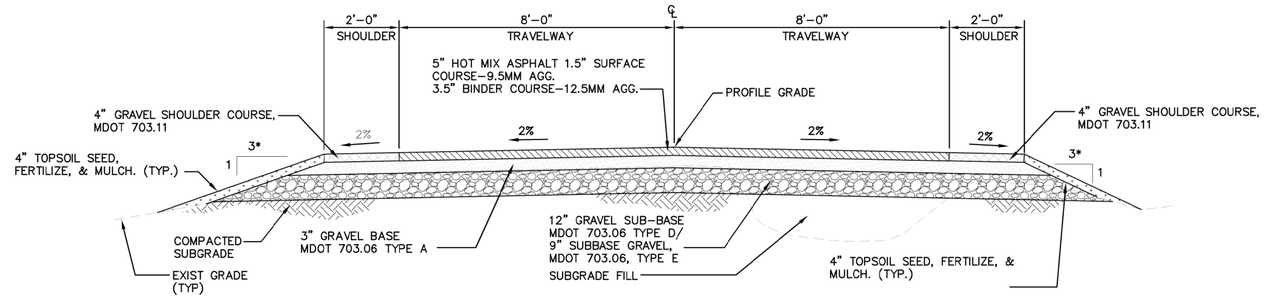


NOTES:

1. HIGH GROUNDWATER MUST BE AT LEAST 18" BELOW TOP OF GRAVEL COURSE. IF GROUNDWATER IS ENCOUNTERED WITHIN 18" OF THE TOP OF THE GRAVEL BASE, NOTIFY THE ENGINEER FOR DIRECTION.

(B) SUBSTATION YARD TYPICAL SECTION

N.T.S.



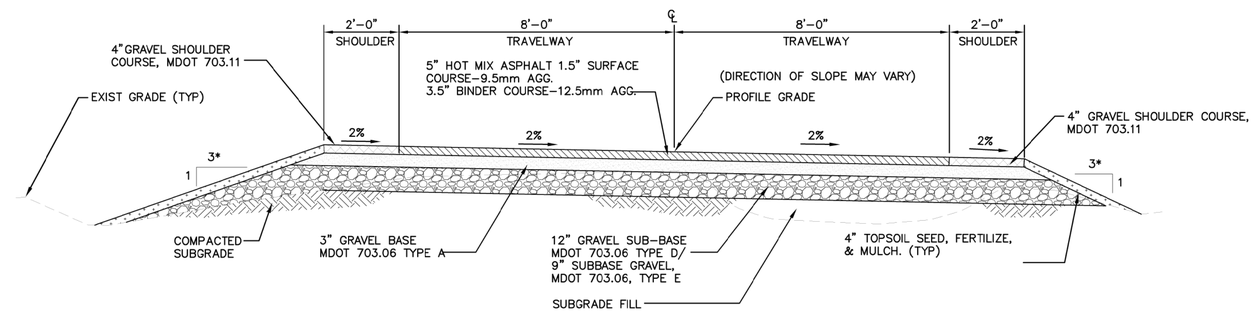
TYPICAL PAVED DRIVEWAY SECTION (CROWNED, STA 4+00 TO STA 10+00)

NTS

* NOTE

3H:1V TYPICAL
2H:1V MAXIMUM AS SHOWN ON GRADING PLANS

REINFORCE SLOPES WITH EROSION CONTROL BLANKET WHEN STEEPER THAN 8% DURING WINTER CONDITIONS, OR STEEPER THAN 15% UNDER ALL OTHER CONDITIONS.



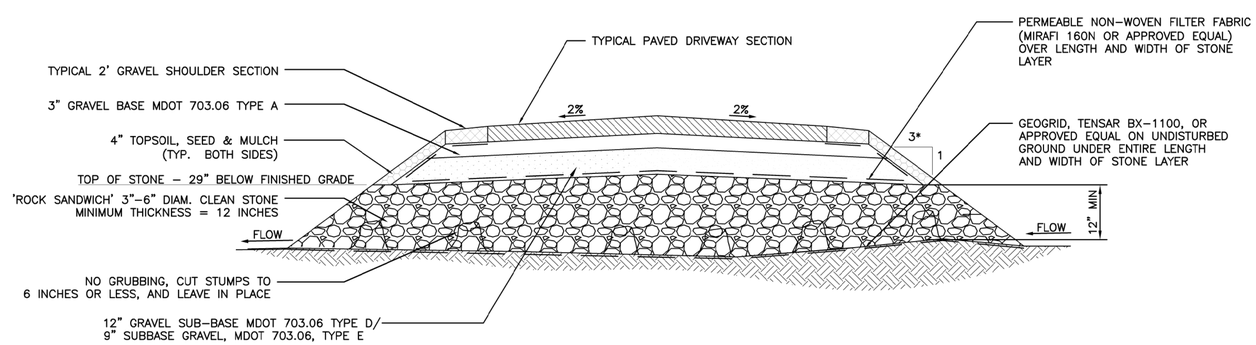
TYPICAL PAVED DRIVEWAY SECTION (MONOSLOPED, STA 0+00 TO STA 4+00, STATION 10+00 TO STA 13+13 PER GRADING PLAN)

NTS

* NOTE

3H:1V TYPICAL
2H:1V MAXIMUM AS SHOWN ON GRADING PLANS

REINFORCE SLOPES WITH EROSION CONTROL BLANKET WHEN STEEPER THAN 8% DURING WINTER CONDITIONS, OR STEEPER THAN 15% UNDER ALL OTHER CONDITIONS.



PERMEABLE ROAD BASE (ROCK SANDWICH) CROSS SECTION (STATION 3+75 TO STATION 10+50)

NTS

* NOTE

3H:1V TYPICAL
2H:1V MAXIMUM AS SHOWN ON GRADING PLANS

REINFORCE SLOPES WITH EROSION CONTROL BLANKET WHEN STEEPER THAN 8% DURING WINTER CONDITIONS, OR STEEPER THAN 15% UNDER ALL OTHER CONDITIONS.

PERMEABLE ROAD BASE CONSTRUCTION NOTES:

1. THE ROCK FILL SHALL BE PLACED IN LIFTS NOT EXCEEDING 18 INCHES.
2. EACH LIFT SHALL BE COMPACTED UNTIL THE SURFACE OF THE LIFT IS FIRM, STABLE AND DOES NOT WEAVE DURING COMPACTION.
3. THE CONSTRUCTION PROCESS SHALL BE OBSERVED BY A QUALIFIED ENGINEER.
4. GRAVEL BASE AND SUBBASE COURSES SHALL BE PLACED, COMPACTED AND TESTED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS.

ISSUED FOR PERMITTING

12/22/2020

PE STAMP

STATE OF MAINE — ROSS A. CUELITZ — LIC. # 5865 — PROFESSIONAL ENGINEER

WITH MY PERMISSION AND KNOWLEDGE, I AFFIX THIS ELECTRONIC SEAL & SIGNATURE DECEMBER 22, 2020

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Property of AVANGRID

CMP AVANGRID

REV	DESCRIPTION	DATE	BY	CK	APP

CIVIL SITE DETAILS

SHEET 1 OF 8

MERRILL ROAD — LEWISTON, ME

BY: RAC | SCALE: NTS | FILE: 1085-0003-002 SH 001-P.dwg
CK | NO. | REV
APP
DATE: 12/22/2020

1085-0003-002 SH 001-P — 0-0

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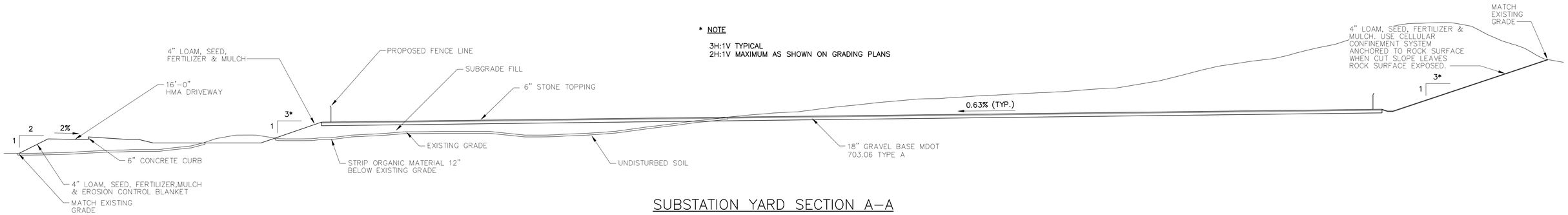
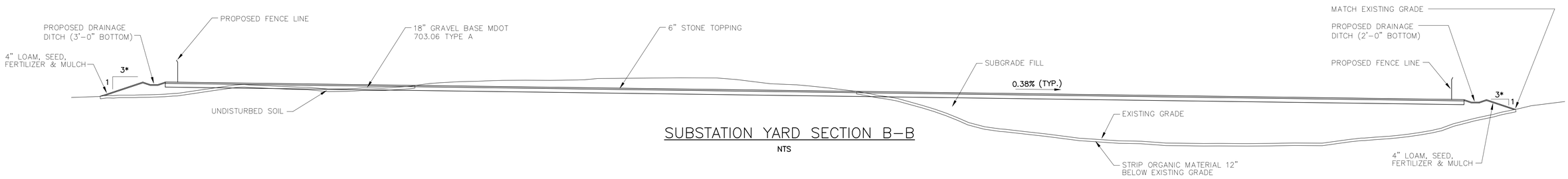


* NOTE

3H:1V TYPICAL
2H:1V MAXIMUM AS SHOWN ON GRADING PLANS

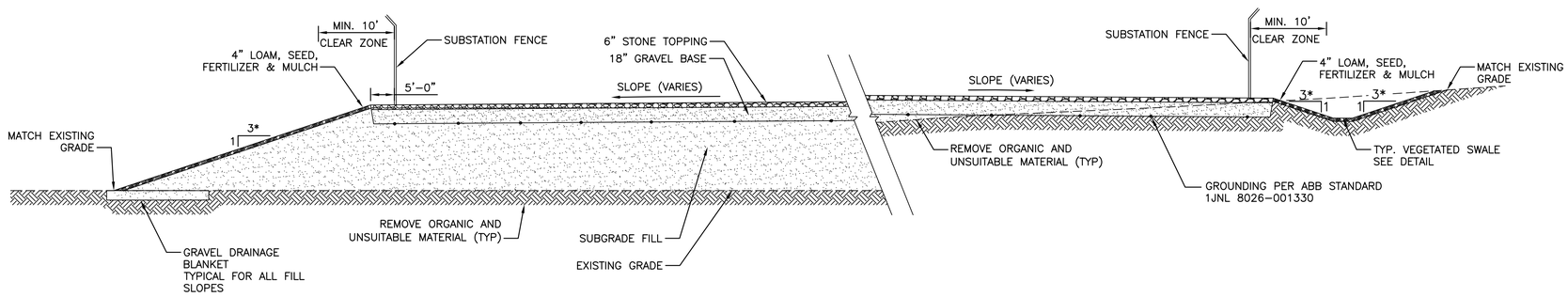
SUBSTATION YARD SECTION A–A

NTS



SUBSTATION YARD SECTION B–B

NTS



* NOTE

3H:1V TYPICAL
2H:1V MAXIMUM AS SHOWN ON GRADING PLANS

REINFORCE SLOPES WITH EROSION CONTROL BLANKET WHEN STEEPER THAN 8% DURING WINTER CONDITIONS, OR STEEPER THAN 15% UNDER ALL OTHER CONDITIONS.

TYPICAL YARD SECTION

NOTES:

1. MEDEP REQUIRES EROSION CONTROL BLANKET ON ALL SLOPES 15% DURING REGULAR SEASON AND >8% DURING WINTER RULES

ISSUED FOR PERMITTING

12/22/2020

PE STAMP

STATE OF MAINE
ROSS A. CUDLITZ
LIC. # 5865
REGISTERED PROFESSIONAL ENGINEER

WITH MY PERMISSION AND KNOWLEDGE, I AFFIX THIS ELECTRONIC SEAL & SIGNATURE DECEMBER 22, 2020

AVANGRID ENGINEERING
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REV	DESCRIPTION	DATE	BY	CK	APP

CIVIL SITE DETAILS

SHEET 2 OF 8

MERRILL ROAD — LEWISTON, ME

BY	RAC	SCALE: NTS	FILE: 1085-0003-002 SH 002.dwg
CK		NO.	REV
APP		1085-0003-002 SH 002-P	0-0
DATE	12/22/2020		

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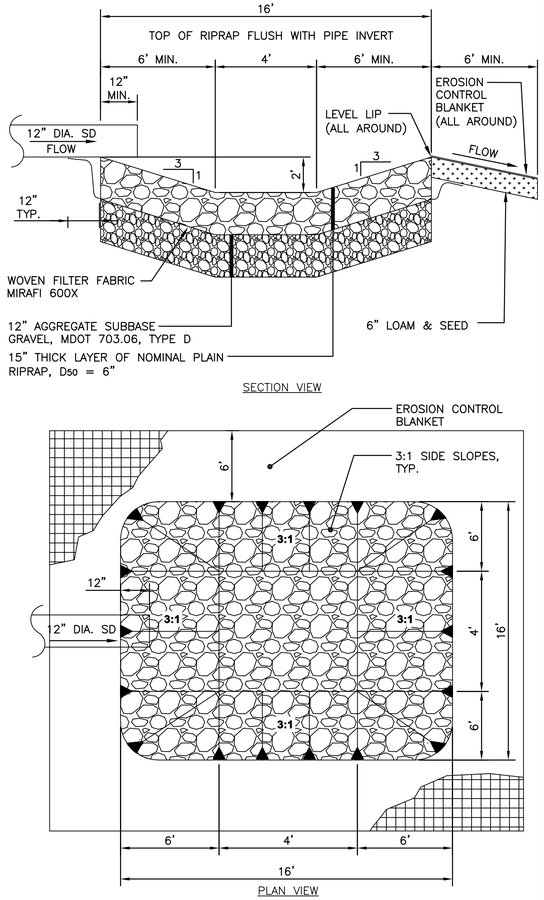
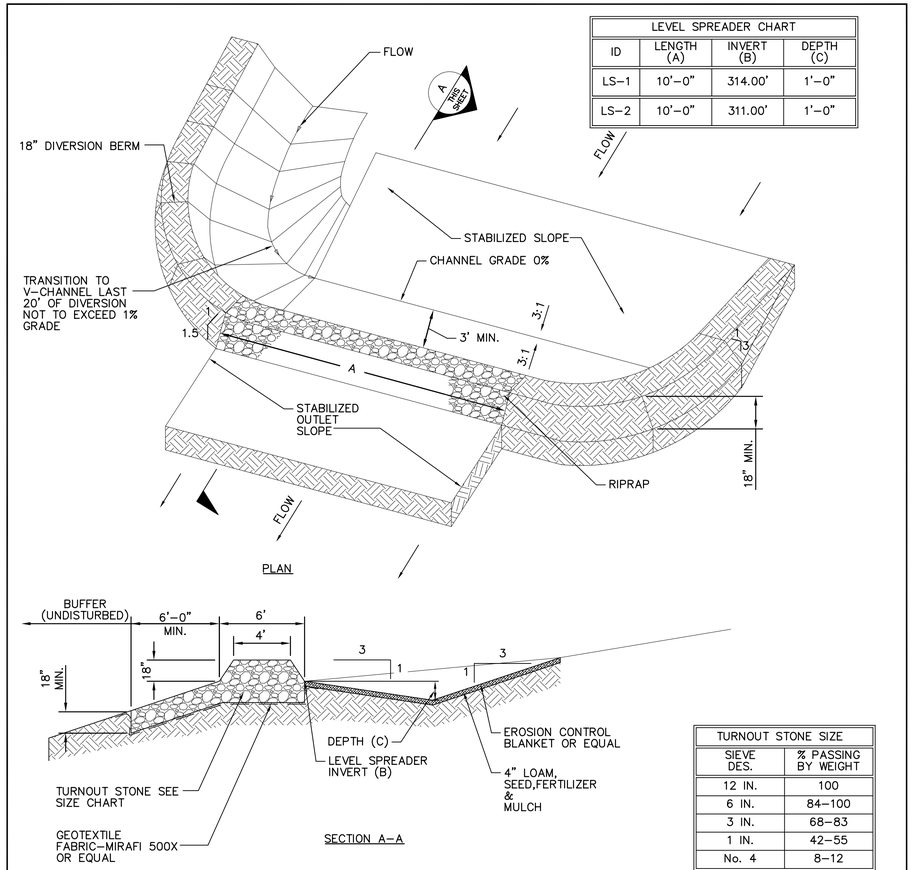


CULVERT OUTLET PROTECTION RIPRAP PLUNGE POOL DETAIL

(A) N.T.S.

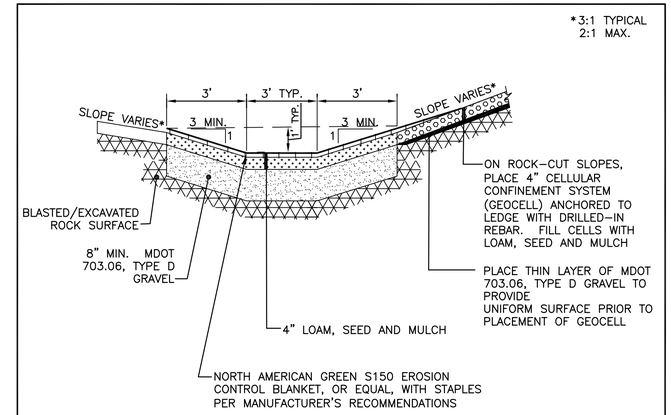


LEVEL SPREADER CHART			
ID	LENGTH (A)	INVERT (B)	DEPTH (C)
LS-1	10'-0"	314.00'	1'-0"
LS-2	10'-0"	311.00'	1'-0"

TURNOUT STONE SIZE	
SIEVE DES.	% PASSING BY WEIGHT
12 IN.	100
6 IN.	84-100
3 IN.	68-83
1 IN.	42-55
No. 4	8-12

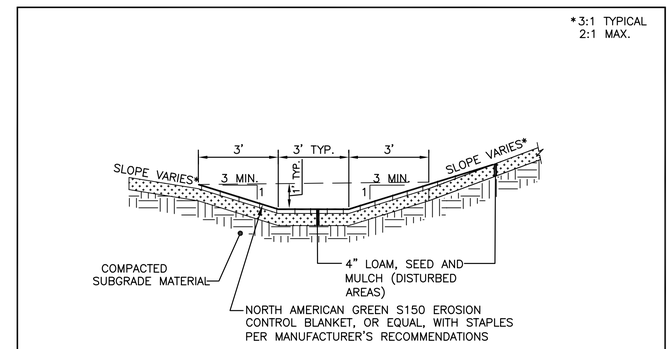
LEVEL LIP SPREADER DETAIL

(C) N.T.S.



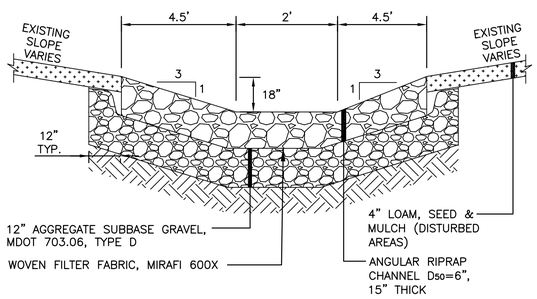
VEGETATED DRAINAGE SWALE DETAIL (IN ROCK CUT)

(E) N.T.S.



VEGETATED DRAINAGE SWALE DETAIL (IN FILL)

(F) N.T.S.

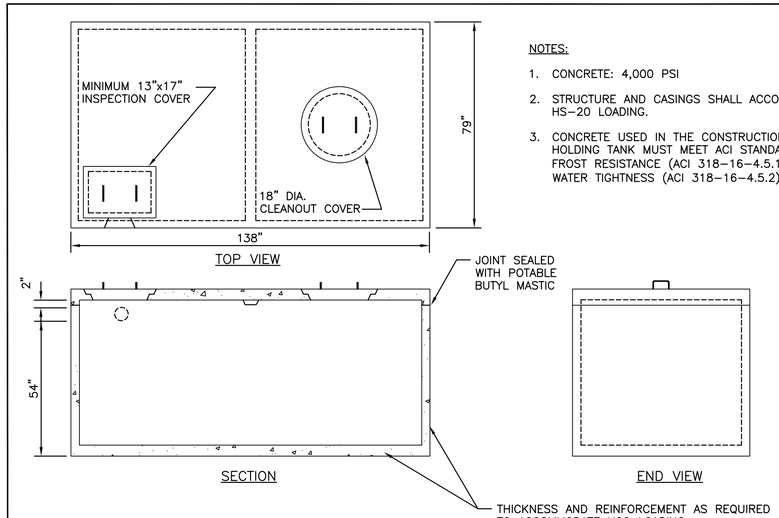


NOTES:

1. ALL MATERIALS SHALL CONFORM TO THE CURRENT EDITION OF THE MeDOT STANDARD SPECIFICATIONS.
2. SEE PLAN(S) FOR LOCATION(S).

RIPRAP SWALE DETAIL

(B) N.T.S.

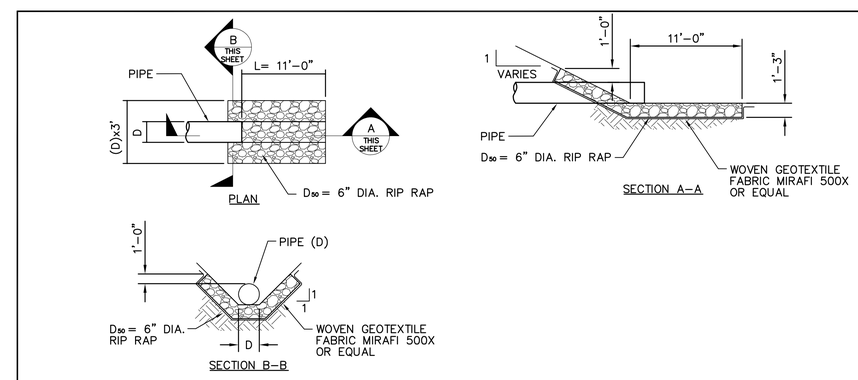


NOTES:

1. CONCRETE: 4,000 PSI
2. STRUCTURE AND CASINGS SHALL ACCOMMODATE HS-20 LOADING.
3. CONCRETE USED IN THE CONSTRUCTION OF HOLDING TANK MUST MEET ACI STANDARDS FOR FROST RESISTANCE (ACI 318-16-4.5.1) AND WATER TIGHTNESS (ACI 318-16-4.5.2).

2,000 GALLON HOLDING TANK

(D) N.T.S.



CULVERT INLET/OUTLET PROTECTION DETAIL

(G) N.T.S.

ISSUED FOR PERMITTING

12/22/2020

PE STAMP

STATE OF MAINE — ROSS A. CUDITZ — LIC. # 5865 — REGISTERED PROFESSIONAL ENGINEER

WITH MY PERMISSION AND KNOWLEDGE, I AFFIX THIS ELECTRONIC SEAL & SIGNATURE DECEMBER 22, 2020

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CMP AVANGRID

REV	DESCRIPTION	DATE	BY	CK	APP

CIVIL SITE DETAILS

SHEET 3 OF 8

MERRILL ROAD — LEWISTON, ME

BY	RAC	SCALE: 1/4" = 1'-0"	FILE: 1085-0003-002 SH 003-P.dwg
CK		NO.	REV
APP		1085-0003-002 SH 003-P	0-0
DATE	12/22/2020		

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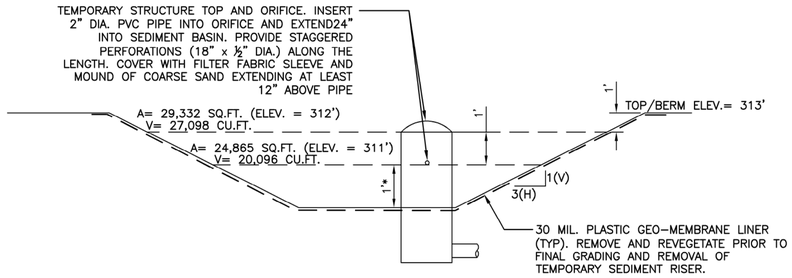


Drainage Area (ac.)	4.01
Sediment Storage Volume Required (cu.ft.) [1]	3,609.00
Detention Storage Volume Required (cu.ft.) [1]	14,436.00
Sediment Storage Provided (cu.ft.)	20,096.00
Detention Storage Provided (cu.ft.)	27,098.50
Storm Event	10-year/24-hr/Type II
V_{runoff} (in.)	1.88
Q_{inflow} (cfs)	7.30
Q_{inflow}/DA (cfs/ac.)	1.82
Q_o/Q_i [2]	0.0250
Max. $Q_{outflow}$ (cfs)	0.18
Orifice Diameter (in.)	2.00
Qoutflow Achieved (cfs)	0.16

1. NRCS Conservation Practice Standard Code 350 - Sediment Basin

2. Maine Erosion and Sediment Control BMPs (10/2016) Ch. 2 - Sediment Basins, Graph C.1

ELEVATION	AREA (SQ.FT)	INCR. VOLUME (CU.FT.)	TOTAL VOLUME (CU.FT.)
310.00	15,327.00		
311.00	24,865.00	20,096.00	20,096.00
312.00	29,332.00	27,098.50	47,194.50

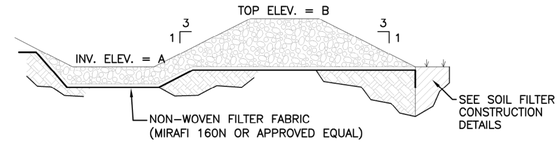
NOTES:

1. CONVERT THE SEDIMENT BASIN TO A GRADED DEPRESSION WITH CATCH BASIN TOP AT GRADE BY LOWERING THE GRATE TOP FOLLOWING FINAL STABILIZATION.

2. GRADE SEDIMENT BASIN AND SURROUNDING AREA TO FINISHED PLAN GRADES UP TO ELEVATION 312' (MIN.) PRIOR TO UPSTREAM DISTURBANCES.

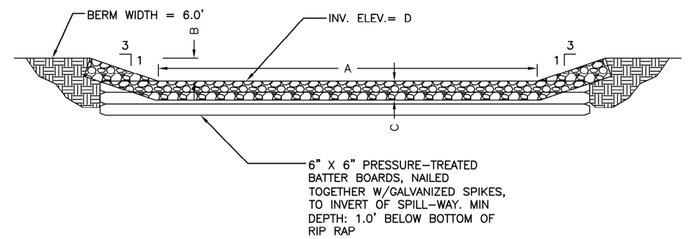
* 1' OF STORAGE ASSUMED. ACTUAL PERMANENT GRATE ELEVATION = 310.0'

SEDIMENT BASIN SCHEMATIC
NTS



STONE FOREBAY ELEVATIONS		
SOIL FILTER NO.	A	B
SOIL FILTER #1	310.0	310.5
SOIL FILTER #2	311.0	311.5

STONE FOREBAY
NTS



EMERGENCY SPILLWAY GEOMETRY						
SOIL FILTER NO.	A	B	C	D	RIP RAP D50	25-YR WATER ELEV.
SOIL FILTER #1	55'	1.30'	18"	310.70	9"	310.38
SOIL FILTER #2	14'	1.50'	18"	311.50	9"	310.99

EMERGENCY SPILLWAY
NTS

FILTER NOTES:

1. UNDERDRAIN PIPES SHALL BE SCH. 40 PVC. ENDS OF UNDERDRAIN PIPING SHALL BE PLUGGED WITH PIPE FITTINGS. PIPE JOINTS SHALL BE FULLY GLUED.
2. COMPACT EMBANKMENT MATERIAL TO 93% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D1557.
3. FILTER BED & SIDE SLOPES SHALL BE SEEDED USING "NEW ENGLAND CONSERVATION/WILDLIFE MIX" FROM NEW ENGLAND WETLAND PLANTS, INC.OF AMHERST, MA. OR APPROVED EQUAL (APPLICATION RATE 25#/ACRE) & EROSION CONTROL BLANKET.
4. MDOT 703.22 UNDERDRAIN BACKFILL MATERIAL, TYPE B SPECIFICATIONS.

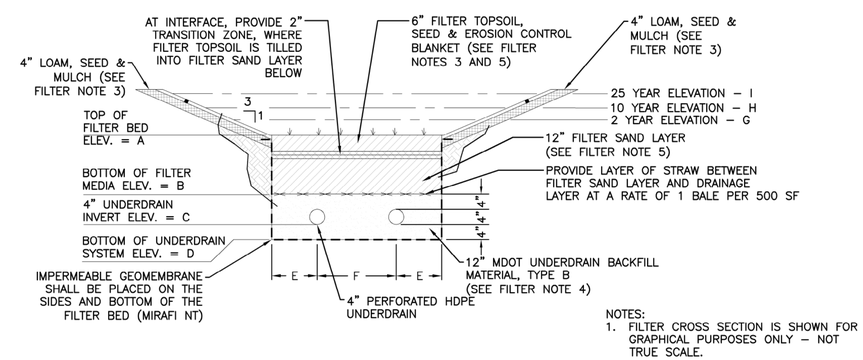
SIEVE	% BY WEIGHT
1	90–100
½	75–100
#4	50–100
#20	15–80
#200	0–15
#200	0–5

5. FILTER MEDIA MATERIALS:
   5.1. FILTER TOPSOIL LAYER: A 6–INCH LAYER OF LOAMY TOPSOIL SUCH AS USDA SANDY LOAM TOPSOIL WITH 5–8% HUMIFIED ORGANIC MATTER. SCREENED TOPSOIL FROM THE SITE MAY BE APPROPRIATE BUT SHALL BE TESTED FOR ORGANIC CONTENT. ORGANIC MATTER (SUCH AS SUPERHUMUS OR EQUIVALENT) MAY BE ADDED IF NECESSARY, PROVIDED THAT THE RESULTING TEXTURE IS SUITABLE. SEE EROSION CONTROL DETAILS FOR EROSION CONTROL BLANKET INSTALLATION REQUIREMENTS.
   5.2. FILTER SAND LAYER: A 12–INCH LAYER OF LOAMY COARSE SAND PER MAINE DEP STORMWATER BEST MANAGEMENT PRACTICES TABLE 7.1.3.

SIEVE	% BY WEIGHT
#10	85–100
#20	70–100
#60	15–40
#200	8–15
#200 (CLAY SIZE)	<2.0

FILTER CONSTRUCTION INSPECTION AND TESTING NOTES:

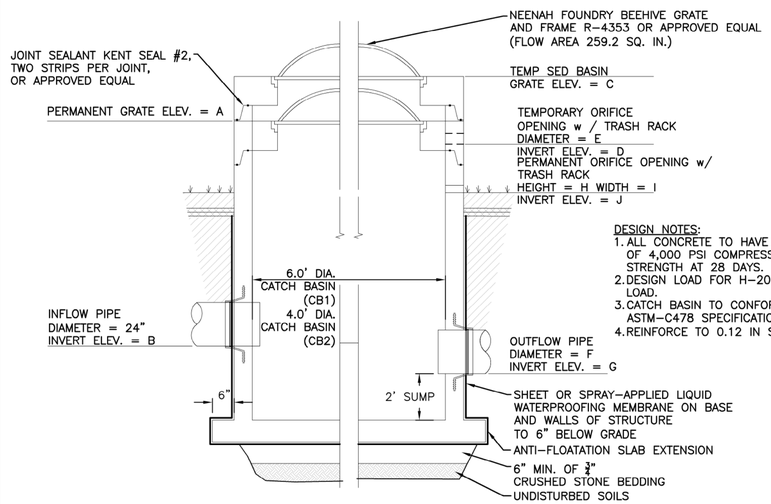
1. INSPECTION OF THE FILTER BASIN SHALL BE PROVIDED FOR EACH PHASE OF CONSTRUCTION BY THE DESIGN ENGINEER WITH REQUIRED REPORTING TO THE MAINE DEP.
2. AT A MINIMUM INSPECTIONS WILL OCCUR:
   2.1. AFTER PRELIMINARY CONSTRUCTION OF THE FILTER GRADES AND ONCE THE UNDERDRAIN PIPES ARE INSTALLED BUT NOT BACKFILLED;
   2.2. AFTER THE DRAINAGE LAYER IS CONSTRUCTED AND PRIOR TO THE INSTALLATION OF THE FILTER SAND LAYER;
   2.3. AFTER FILTER SAND LAYER IS CONSTRUCTED AND PRIOR TO THE INSTALLATION OF THE FILTER TOPSOIL LAYER;
   2.4. AFTER THE FILTER TOPSOIL LAYER HAS BEEN INSTALLED AND SEEDED; AND
   2.5. AFTER ONE YEAR TO INSPECT HEALTH OF THE VEGETATION AND MAKE CORRECTIONS.
3. THE CONTRACTOR SHALL PROVIDE SUBMITTALS FOR EACH COMPONENT OF THE FILTER MEDIA, IDENTIFYING THE SOURCE.
4. ALL MATERIAL USED FOR THE CONSTRUCTION OF THE FILTER BASIN WILL BE APPROVED BY THE DESIGN ENGINEER, AFTER TESTS BY A CERTIFIED LABORATORY SHOW THAT THEY ARE PASSING MAINE DEP SPECIFICATIONS.
5. THE CONTRACTOR SHALL SUBMIT SAMPLES OF EACH TYPE OF MATERIAL TO BE USED FOR THE MIXED FILTER MEDIA AND SAMPLES OF THE UNDERDRAIN BEDDING MATERIAL. SAMPLES MUST BE A COMPOSITE OF THREE DIFFERENT LOCATIONS (GRABS) FROM THE STOCKPILE OR PIT FACE. SAMPLE SIZE REQUIRED WILL BE DETERMINED BY THE TESTING LABORATORY.
6. THE CONTRACTOR SHALL PERFORM, OR HAVE PERFORMED, A SIEVE ANALYSIS CONFORMING TO ASTM C138 ON EACH TYPE OF THE SAMPLE MATERIAL. ALL MATERIALS SHALL HAVE A CLAY CONTENT OF LESS THAN 2% AS DETERMNED BY HYDROMETER GRAIN SIZE ANALYSIS.
7. THE CONTRACTOR SHALL PERFORM, OR HAVE PERFORMED, A PERMEABILITY TEST ON THE SOIL FILTER MEDIA MATERIALS CONFORMING TO ASTM D2434 WITH THE MIXTURE COMPACTED TO 90 – 92% OF MAXIMUM DRY DENSITY BASED ON ASTM D698.



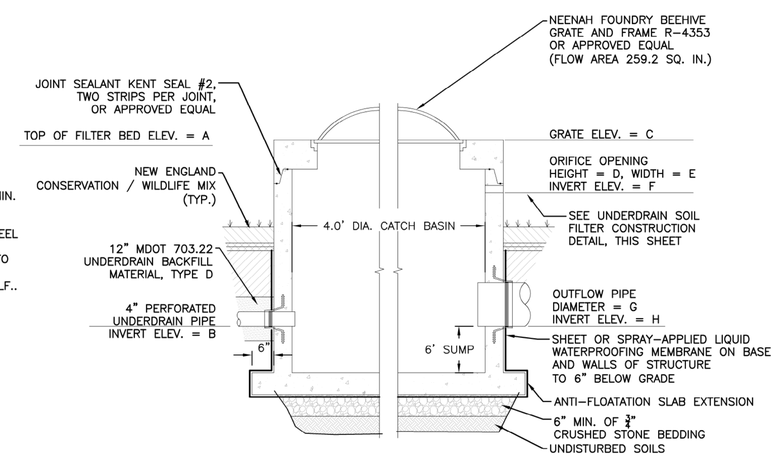
NOTES:
1. FILTER CROSS SECTION IS SHOWN FOR GRAPHICAL PURPOSES ONLY – NOT TRUE SCALE.

GRASSED UNDERDRAIN SOIL FILTER ELEVATIONS/GEOMETRY									
SOIL FILTER NO.	A	B	C	D	E	F	G	H	I
SOIL FILTER #1	308.00	306.33	305.66	305.33	7.00	11.00	309.18	309.82	310.38
SOIL FILTER #2	309.00	307.33	306.67	306.33	7.00	11.00	309.56	310.65	310.99

GRASSED UNDERDRAIN SOIL FILTER CONSTRUCTION DETAILS
NTS



SEDIMENT BASIN OUTLET/DRAINAGE INLET STRUCTURE
NTS



SOIL FILTER OUTLET STRUCTURE
NTS

SEDIMENT BASIN OUTLET / CATCH BASIN STRUCTURE ELEVATIONS/GEOMETRY										
STRUCTURE	A	B	C	D	E	F	G	H	I	J
CB 1	311.00	305.30	312.00	311.00	2"	36"	305.30	4"	36"	309.50
CB 2	315.80	N/A	N/A	N/A	N/A	24"	312.00	N/A	N/A	N/A

SOIL FILTER OUTLET STRUCTURE ELEVATIONS/GEOMETRY								
SOIL FILTER NO.	A	B	C	D	E	F	G	H
SOIL FILTER #1	308.00	305.66	312.00	6"	35"	309.00	24"	305.60
SOIL FILTER #2	309.00	306.67	312.00	2" DIAM.	2" DIAM.	310.50	15"	306.67

ISSUED FOR PERMITTING

12/22/2020

PE STAMP

STATE OF MAINE
ROSS A. CUDLITZ
LIC. # 6865
REGISTERED PROFESSIONAL ENGINEER
Ross A. Cudlitz, P.E.

WITH MY PERMISSION AND KNOWLEDGE, I AFFIX THIS ELECTRONIC SEAL & SIGNATURE DECEMBER 22, 2020

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REV	DESCRIPTION	DATE	BY	CK	APP

CIVIL SITE DETAILS

SHEET 6 OF 8

MERRILL ROAD — LEWISTON, ME

BY: RAC | SCALE: NTS | FILE: 1085-0003-002 SH 006-P.dwg
CK | NO. | REV
APP
DATE: 12/22/2020
1085-0003-002 SH 006-P 0-0

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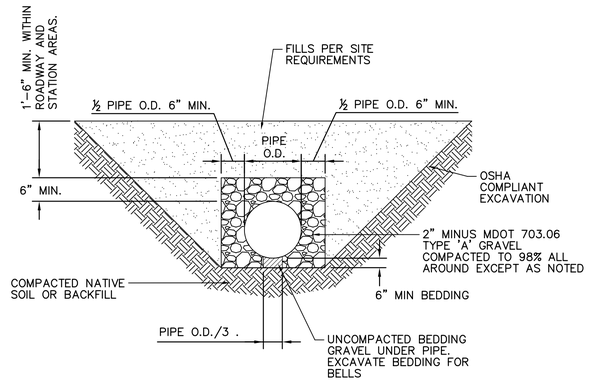
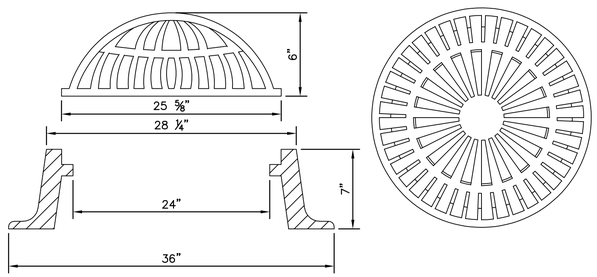
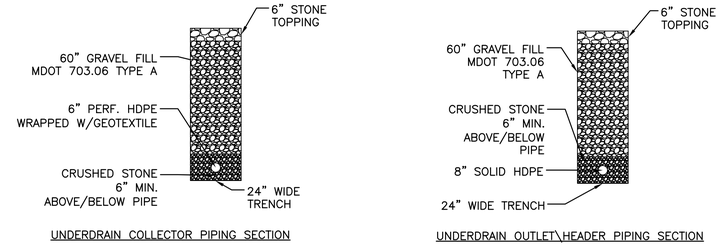


(A) TYPICAL CULVERT SECTION DETAIL
N.T.S.



(B) CAST IRON BEEHIVE CATCH BASIN GRATE DETAIL
N.T.S.



(C) GROUNDWATER PIPING SECTIONS
N.T.S.

ISSUED FOR PERMITTING

12/22/2020

PE STAMP

STATE OF MAINE
ROSS A. CUDLITZ
LIC. # 8863
REGISTERED PROFESSIONAL ENGINEER

WITH MY PERMISSION AND KNOWLEDGE, I AFFIX THIS ELECTRONIC SEAL & SIGNATURE DECEMBER 22, 2020

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CIVIL SITE DETAILS

SHEET 7 OF 8

MERRILL ROAD — LEWISTON, ME

BY	RAC	SCALE: NTS	FILE: 1085-0003-002 SH 007-P.dwg
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APP		1085-0003-002 SH 007-P	0-0
DATE	12/22/2020		

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GENERAL NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS PRIOR TO STARTING WORK. THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED OF ANY DISCREPANCIES. DIMENSIONS SHOWN WITH "±" ARE APPROXIMATE.

2. ALL ABOVE OR UNDERGROUND UTILITIES SHOWN ON THESE CONTRACT DRAWINGS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS AS DETERMINED BY AERIAL MAPPING OR SURVEY. FURTHERMORE, ADDITIONAL ABOVE OR UNDERGROUND UTILITIES OTHER THAN THOSE SHOWN ON THESE DRAWINGS MAY EXIST. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING AND MARKING THE EXACT LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATION. HAND DIGGING SHALL BE PERFORMED AS NECESSARY TO AVOID DAMAGE TO UTILITIES. THE CONTRACTOR SHALL CONTACT ALL NECESSARY UTILITY COMPANIES AND DIGSAFE, AS WELL AS OWNER'S REPRESENTATIVE FOR ASSISTANCE IN LOCATING KNOWN OR SUSPECTED UTILITIES PRIOR TO THE COMMENCEMENT OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR DAMAGED UTILITIES IMMEDIATELY AT NO ADDITIONAL ADDITIONAL COST TO THE OWNER.

3. TREE CLEARING LIMITS ARE SHOWN AS DESIGNED AND PERMITTED. NO WORK, SOIL DISTURBANCE OR OPERATION OF EQUIPMENT SHALL BE ALLOWED OUTSIDE OR BEYOND THE APPROVED LIMITS OF DISTURBANCE. NO ON-SITE BURIAL OR BURNING SHALL BE PERMITTED. NO TREE REMOVAL SHALL BE PERMITTED BEYOND THE LIMITS OF DISTURBANCE.

4. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE CONSTRUCTION MEANS, PHASING OF WORK, PROCEDURES AND SEQUENCE TO ENSURE THE SAFETY OF THE SITE AND ITS IMPROVEMENTS DURING CONSTRUCTION. THIS INCLUDES THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS OR OTHER MEANS TO PROTECT ADJACENT WORK OR IMPROVEMENTS. SUCH MATERIAL SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT.

5. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE OF ANY CONDITIONS ENCOUNTERED IN THE FIELD CONTRADICTORY TO THOSE SHOWN ON THE DRAWINGS.

6. ALL APPLICABLE FEDERAL, STATE, AND MUNICIPAL REGULATIONS SHALL BE FOLLOWED, INCLUDING ALL STATE AND LOCAL PERMITS AND CONDITIONS AND FEDERAL DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ACT. THIS SHALL ALSO INCLUDE ANY REQUIRED TESTS AND INSPECTIONS AND ITEMS REQUIRED BY THE LOCAL BUILDING OFFICIAL.

7. ALL WORK SHALL BE PER APPROVED PLANS AND SPECIFICATIONS, UNLESS DIRECTED OTHERWISE.

8. THE LOCATION OF THE CONTRACTOR'S TEMPORARY FACILITIES, EQUIPMENT ACCESS/HAUL ROUTES, STOCKPILES, EQUIPMENT AND MATERIALS STORAGE AND STAGING, TEMPORARY PARKING, AND FIELD OFFICE AND OPERATIONS SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR. ALL SUCH AREAS SHALL BE LOCATED WITHIN THE APPROVED LIMITS OF DISTURBANCE OR AT AN APPROVED OFF-SITE LOCATION AND MAINTAINED FOR THE DURATION OF THE PROJECT TO ENSURE THAT THE TRAVELING PUBLIC DOES NOT STRAY INTO THE CONSTRUCTION SITE AT ANY TIME, AND THAT CONSTRUCTION EQUIPMENT, OPERATIONS, AND PERSONNEL DO NOT IMPEDE PUBLIC AREAS NOT INTENDED FOR CONSTRUCTION EQUIPMENT OR OPERATIONS. THE CONTRACTOR SHALL ENSURE SAFETY FOR THE PUBLIC AREAS AND WORK SITE AT ALL TIMES. THE CONTRACTOR SHALL EMPLOY FLAGGERS AS NECESSARY FOR EFFECTIVE AND ADEQUATE TRAFFIC CONTROL AND CONSTRUCTION OPERATIONS.

9. THE CONTRACTOR SHALL STRICTLY CONTROL DUST, DEBRIS AND LITTER IN AND AROUND THE WORKSITE AND KEEP PUBLIC AREAS CLEAN. SOILS, STONE AND OTHER DEBRIS RESULTING FROM CONSTRUCTION OPERATIONS SHALL BE PROMPTLY AND COMPLETELY REMOVED FROM PAVEMENTS AND PUBLIC ROADWAYS AS NEEDED AND IMMEDIATELY WHEN REQUESTED BY THE OWNER'S REPRESENTATIVE OR THE RESIDENT ENGINEER/INSPECTOR. THE CONTRACTOR SHALL CLEAN ALL SPILLAGE ON HAUL ROUTES AND ALONG ALL PUBLIC ROADWAYS, INCLUDING AREAS OUTSIDE THE PROJECT LIMITS. DUST CONTROL MEASURES SHALL BE MAINTAINED AS NECESSARY BY THE CONTRACTOR TO ENSURE THAT NO DUST IS ALLOWED TO DRIFT OFFSITE OR INTO THE PUBLIC ROADWAYS ANY TIME.

10. ALL SILTATION BARRIERS AND OTHER PRESCRIBED EROSION CONTROL MEASURES SHALL BE IN PLACE AND APPROVED BY OWNER'S REPRESENTATIVE AND/OR THE ENGINEER/INSPECTOR PRIOR TO COMMENCEMENT OF SOIL DISTURBANCE AND GRADING OPERATIONS. ALL SUCH PROVISIONS SHALL MEET THE REQUIREMENTS OF THESE DRAWINGS AND CONSTRUCTION DOCUMENTS AND IN ACCORDANCE WITH PRACTICES OF THE MAINE EROSION AND SEDIMENT CONTROL BMPS MANUAL.

11. THERE IS NO WASTE DISPOSAL AREA ON THE SITE. THE CONTRACTOR SHALL DISPOSE OF ALL TRASH, DEBRIS, STUMPS AND UNSATISFACTORY MATERIALS OFF SITE IN ACCORDANCE WITH ALL APPLICABLE LOCAL AND STATE REGULATIONS.

12. THE PROJECT ANTICIPATES SIGNIFICANT LEDGE BLASTING MAY BE REQUIRED. PRIOR TO BLASTING, A BLASTING PLAN SHALL BE SUBMITTED AND APPROVED BY THE CITY OF LEWISTON AND IN ACCORDANCE THE CONDITIONS OF THE DEP SITE LOCATION PERMIT AND ALL OTHER STATE OR FEDERAL REQUIREMENTS.

13. REFER TO THE NECEC NATURAL RESOURCES PROTECTION ACT PERMIT, AS APPROVED BY THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION, PREPARED BY BURNS & MCDONNELL ENGINEERING COMPANY, INC. PORTLAND, MAINE, REGARDING WETLANDS AND NATURAL RESOURCES. WETLAND DISTURBANCE AND IMPACTS ARE PERMITTED AS SHOWN ON THIS PLAN AND AS APPROVED PER THE NRPA PERMIT. ALL WORK OR SOIL DISTURBANCE WITHIN WETLAND AREAS SHALL BE AS SHOWN AND WITHIN THE APPROVED LIMITS OF DISTURBANCE. NO ADDITIONAL WETLAND IMPACTS ARE PERMITTED WITHOUT WRITTEN APPROVAL FROM THE MAINE DEP. FOR A COMPLETE DESCRIPTION OF THE NEW ENGLAND CLEAN ENERGY CONNECT (NECEC) PROJECT, REFER TO SECTION 1 OF THE SITE LOCATION OF DEVELOPMENT ACT (SITE LAW) PERMIT. THE FULL SITE LAW PERMIT AND NRPA PERMIT IS INCORPORATED BY REFERENCE INTO THE DRAWINGS AND CONTRACT DOCUMENTS.

CIVIL NOTES:

1. EXISTING CONDITIONS TOPOGRAPHY AND PLANIMETRICS ARE COMPILED FROM A SURVEY CONDUCTED BY SGC ENGINEERING OF AUGUSTA, ME IN OCTOBER-DECEMBER 2019.

2. UNLESS OTHERWISE INDICATED, THE BOTTOM OF THE EXCAVATION SHALL BE TERMINATED TO DESIGNED SUBGRADE WITHIN THE STATION AND A MINIMUM 12" DEEPER THAN THE BASE OF FOOTINGS AND SHALL BE BROUGHT TO PROPER DEPTH WITH COMPACTED BACKFILL.

3. REFERENCE IS HEREBY MADE TO THE GEOTECHNICAL REPORT FOR THE PROJECT WHICH CONTAIN RELEVANT INFORMATION:

   a.) GEOTECHNICAL ENGINEERING REPORT, PREPARED BY STANTEC CONSULTING SERVICES INC., NEW ENGLAND CLEAN ENERGY CONNECT PROPOSED CONVERTER STATION, LEWISTON, MAINE (JANUARY, 2020 OR AS LATER AMENDED.

4. UNSATISFACTORY MATERIALS (PLASTIC SILTY AND CLAYEY MATERIAL, ORGANIC MATERIAL – SOILS CLASSIFIED AS GC, SC, ML, MH, CL, CH, OL, OH, PT PER ASTM D2487) ENCOUNTERED AT THE BOTTOM OF THE EXCAVATION SHALL BE REMOVED AND REPLACED WITH STRUCTURAL FILL OR APPROVED BACKFILL TO LIMITS DIRECTED BY THE ENGINEER.

5. GENERAL FILL/COMMON BORROW TO RAISE GRADES IN LANDSCAPED AREAS SHALL BE MATERIAL CLASSIFIED IN ACCORDANCE WITH ASTM 2487 AS GW, GP, GM, SW, SP, SM, GW-GM, OR GP-GM WITH ROCKS AND COBBLES NOT EXCEEDING TWO THIRDS (2/3) OF THE LOOSE FILL THICKNESS, LIQUID LIMIT (LL)LESS THAN TWENTY FIVE (25), PLASTICITY INDEX (PI) LESS THAN TWELVE (12) AND NOT MORE THAN TWENTY FIVE (25) PERCENT BY WEIGHT PASSING THE NO. 200 SIEVE.

6. STRUCTURAL FILL AND BACKFILL, ROCK BORROW, GRAVEL BORROW AND CRUSHED STONE SHALL BE COHESIONLESS COARSE AGGREGATE PLACED ON DRY, UNIFORM SURFACE. FILL AND BACKFILL SHALL BE IN ACCORDANCE WITH, AND COMPACTED TO SPECIFICATIONS AND GEOTECHNICAL RECOMMENDATIONS.

7. EXISTING EXCAVATED MATERIAL MAY BE REUSED ONSITE AS DESCRIBED IN SECTION 4.8 OF GEOTECH REPORT AND SHALL NOT BE RE-USED AS STRUCTURAL FILL OR BACKFILL UNLESS MEETING SPECIFICATIONS AND RECOMMENDATIONS OF THE GEOTECH REPORT.

8. NOTIFY THE OWNER'S ENGINEER IF UNEXPECTED SOIL CONDITIONS ARE FOUND.

9. DEWATER EXCAVATED AREAS AS NECESSARY PRIOR TO PLACING FILL OR BACKFILL. NO MATERIALS OR FOUNDATIONS SHALL BE PLACED ON FROZEN GROUND.

10. MINIMIZE UNDERMINING ADJACENT STRUCTURES, POLES OR FOUNDATIONS AND AVOID DAMAGE TO FOUNDATIONS, UTILITY POLES OR TRENCHES AND PIPING.

11. ALL DIMENSIONS ARE IN FEET UNLESS NOTED OTHERWISE.

12. ALL ELEVATIONS AND COORDINATES ARE IN FEET UNLESS NOTED OTHERWISE.

    VERTICAL DATUM: NAVD 88
    HORIZONTAL DATUM: NAD 83 STATE PLANE, MAINE WEST ZONE

13. ALL EXCAVATIONS SHALL BE IN ACCORDANCE WITH MAINE OCCUPATIONAL HEALTH AND SAFETY GUIDELINES, AND IN ACCORDANCE WITH GEOTECH REPORT.

14. ALL ELEVATIONS SHOWN ON THE DRAWINGS ARE DESIGN ELEVATIONS AND DO NOT ACCOUNT FOR CONSTRUCTION SEQUENCING, OR INTERIM ELEVATIONS, UNLESS NOTED OTHERWISE.

15. NO DESIGN CHANGES SHALL BE ALLOWED UNLESS IN ACCORDANCE WITH ALL APPLICABLE PERMITS AND CONDITIONS AND APPROVED BY THE OWNER'S ENGINEER.

16. THE CONTRACTOR IS RESPONSIBLE FOR SAFETY IN AND ABOUT THE JOB SITE DURING CONSTRUCTION. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE ANY ELEMENTS WHICH MAY BE REQUIRED FOR CONSTRUCTION SAFETY.

17. THE DESIGN, ERECTION, MAINTENANCE AND REMOVAL OF ALL TEMPORARY STRUCTURES, DEWATERING, FORMWORK, FALSE WORK, SHEETING, BRACING, AND SHORING FOR EXCAVATION, AND OTHER ACTIVITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

18. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE JOB SITE IN A SAFE AND CLEAN CONDITION. THE CONTRACTOR SHALL REMOVE AND LEGALLY DISPOSE OF ANY HAZARDOUS MATERIALS WHICH MAY BE ENCOUNTERED DURING THE EXECUTION OF THE WORK AND AS DIRECTED BY THE OWNER'S REPRESENTATIVE.

19. THE CONTRACTOR SHALL IMMEDIATELY ADVISE THE OWNER'S REPRESENTATIVE OF ANY CONTAMINATED MATERIALS FOUND. THE CONTRACTOR SHALL NOT MIX ANY CONTAMINATED MATERIAL WITH CLEAN MATERIAL. THE CONTRACTOR SHALL BACK FILL AREAS WHERE ANY DELETERIOUS MATERIAL WAS REMOVED WITH MATERIAL THAT IS APPROVED BY THE GEOTECHNICAL ENGINEER.

20. THE DRAWINGS IDENTIFY COORDINATES AND SURVEY BENCHMARKS FOR ELEVATIONS. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS, COORDINATES, ELEVATIONS AND OTHER CRITICAL MEASUREMENTS PRIOR TO AND DURING CONSTRUCTION. ANY SITE BENCHMARKS AND TEMPORARY OR PERMANENT SURVEY MONUMENTS DAMAGED DURING THE CONSTRUCTION MUST BE REPLACED AT NO COST TO OWNER.

21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ARRANGING ALL SOIL COMPACTION TESTING BY AN INDEPENDENT GEOTECHNICAL COMPANY. ALL MATERIALS SHALL BE APPROVED BY A MAINE LICENSED GEOTECHNICAL ENGINEER.

22. THE CONTRACTOR MUST OBSERVE ANY ACCESS RESTRICTIONS AROUND THE EXISTING SITE FOR OPERATION OF EQUIPMENT AND OTHER ONGOING CONSTRUCTION ACTIVITIES. THESE RESTRICTIONS MUST BE IDENTIFIED BY THE CONTRACTOR PRIOR TO ANY WORK START. THE CONTRACTOR SHALL ERECT TEMPORARY FENCING AND BARRIERS WHERE NECESSARY TO PREVENT ANY POTENTIAL CONFLICTS AND FOR SITE SAFETY.

CIVIL LEGENDS

PROPOSED LEGEND

- PROPOSED BENCHMARK
- PROPOSED CATCH BASIN (SQUARE)
- PROPOSED CATCH BASIN (ROUND)
- PROPOSED COMMUNICATION MANHOLE
- PROPOSED CURB INLET
- PROPOSED DRAIN MANHOLE (DMH)
- PROPOSED ELECTRICAL MANHOLE
- PROPOSED GUY POLE
- PROPOSED SURVEY POINT
- PROPOSED IRON PIN
- PROPOSED NATURAL GAS MANHOLE
- PROPOSED HYDRANT
- PROPOSED SANITARY SEWER MANHOLE (SMH)
- PROPOSED SINGLE POLE SIGN
- PROPOSED DOUBLE POLE SIGN
- PROPOSED TELEPHONE MANHOLE
- TP1 PROPOSED TEST PIT
- B1 PROPOSED BORING
- PROPOSED UTILITY POLE
- PROPOSED WATER SHUTOFF
- PROPOSED GATE VALVE
- PROPOSED WELL
- PROPOSED FLOOD LIGHT
- PROPOSED LIGHT POST
- PROPOSED DRAINAGE FLOW
- PROPOSED CONIFEROUS TREE
- PROPOSED DECIDUOUS TREE
- PROPOSED STONE CHECK DAM
- PROPOSED CLEANOUT

Symbol	Description
100	PROPOSED MAJOR CONTOUR
98	PROPOSED MINOR CONTOUR
X 95.5	PROPOSED SPOT ELEVATION
	PROPOSED RAILROAD TRACKS
	PROPOSED DITCH/SWALE
	PROPOSED EDGE OF RIVER
	PROPOSED EDGE OF POND
	PROPOSED EDGE OF WETLAND
	PROPOSED DEMOLITION WORK
	PROPOSED EASEMENT
	PROPOSED LIMITS OF CONSTRUCTION
	EDGE OF GRAVEL SHOULDER
	PROPOSED EDGE OF HMA PAVEMENT
G	PROPOSED FUEL GAS
GAS	PROPOSED NATURAL GAS
OHE	PROPOSED OVERHEAD POWER
UGE	PROPOSED UNDERGROUND POWER
CATV	PROPOSED CABLE TV
T	PROPOSED OVERHEAD TELEPHONE
UGT	PROPOSED UNDERGROUND TELEPHONE
S	PROPOSED SANITARY SEWER
FM	PROPOSED SANITARY SEWER (FORCE MAIN)
W	PROPOSED WATER MAIN\SERVICE
PS	PROPOSED PRESSURE STEAM
SD	PROPOSED STORM DRAIN
UD	PROPOSED FOOTING UNDERDRAIN
RD	PROPOSED ROOF DRAIN
FP	PROPOSED FIRE PROTECTION
	PROPOSED GUARD RAIL
	PROPOSED FENCE (CHAIN LINK)
	PROPOSED FENCE (WOODEN)
	PROPOSED RETAINING WALL
	PROPOSED STONE WALL
	PROPOSED SILT FENCE
	PROPOSED HAYBALES
	PROPOSED TREE LINE
	PROPOSED LIMITS OF SUBSTATION YARD STONE SURFACE
	PROPOSED RIP RAP
	PROPOSED BMP FILTER BOTTOM
	PROPOSED BITUMINOUS BUTT JOINT

EXISTING LEGEND

- EXISTING BOUND
- EXISTING BENCHMARK
- EXISTING SURVEY POINT
- EXISTING CATCH BASIN (SQUARE)
- EXISTING CATCH BASIN (ROUND)
- EXISTING COMMUNICATION MANHOLE
- EXISTING CURB INLET
- EXISTING DRAIN MANHOLE (DMH)
- EXISTING ELECTRICAL MANHOLE
- EXISTING GUY POLE
- EXISTING HYDRANT
- EXISTING IRON PIN
- EXISTING NATURAL GAS MANHOLE
- EXISTING SEWER MANHOLE (SMH)
- EXISTING SINGLE POLE SIGN
- EXISTING DOUBLE POLE SIGN
- EXISTING FLOOD LIGHT
- EXISTING LIGHT POST
- MB EXISTING MAILBOX
- EXISTING DRAINAGE FLOW
- TP1 EXISTING TEST PIT
- B1 EXISTING BORING
- EXISTING STUMP
- EXISTING CONIFEROUS TREE
- EXISTING DECIDUOUS TREE
- EXISTING WETLAND
- EXISTING TELEPHONE MANHOLE
- EXISTING UTILITY POLE
- EXISTING WATER SHUTOFF
- EXISTING GATE VALVE
- EXISTING WELL

Symbol	Description
100	EXISTING MAJOR CONTOUR
98	EXISTING MINOR CONTOUR
	EXISTING DITCH/SWALE
	EXISTING CENTERLINE OF STREAM
	EXISTING RAILROAD TRACKS
	EXISTING EDGE OF WATER
	EXISTING WETLAND BOUNDARY
	EXISTING EASEMENT
	EXISTING PROPERTY LINE
	EXISTING RIGHT-OF-WAY
X 95.5	EXISTING SPOT ELEVATION
G	EXISTING FUEL GAS
GAS	EXISTING NATURAL GAS
OHE	EXISTING OVERHEAD POWER
UGE	EXISTING UNDERGROUND POWER
S	EXISTING SANITARY SEWER
FM	EXISTING SANITARY SEWER (FORCE MAIN)
SD	EXISTING STORM DRAIN
PS	EXISTING PRESSURE STEAM
W	EXISTING WATER MAIN
CATV	EXISTING CABLE TV
T	EXISTING OVERHEAD TELEPHONE
UGT	EXISTING UNDERGROUND TELEPHONE
	EXISTING GUARD RAIL
X X X	EXISTING FENCE
	EXISTING CHAINLINK FENCE
	EXISTING WOODEN FENCE
	EXISTING RETAINING WALL
	EXISTING HAYBALES
	EXISTING STONE WALL
	EXISTING TREE/SHRUB LINE

ISSUED FOR PERMITTING

12/22/2020

PE STAMP

STATE OF MAINE · ROSS A. CUDLITZ LIC. # 5865 · LICENSED PROFESSIONAL ENGINEER

Ross A. Cudlitz, PE

WITH MY PERMISSION AND KNOWLEDGE, I AFFIX THIS ELECTRONIC SEAL & SIGNATURE DECEMBER 22, 2020

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REV	DESCRIPTION	DATE	BY	CK	APP

CIVIL LEGEND AND GENERAL NOTES

MERRILL ROAD — LEWISTON, ME

BY	RAC	SCALE: NTS	FILE: 1085-0003-003-P.dwg
CK		NO. 1085-0003-003-P	REV 0-0
APP			
DATE:	12/22/2020		

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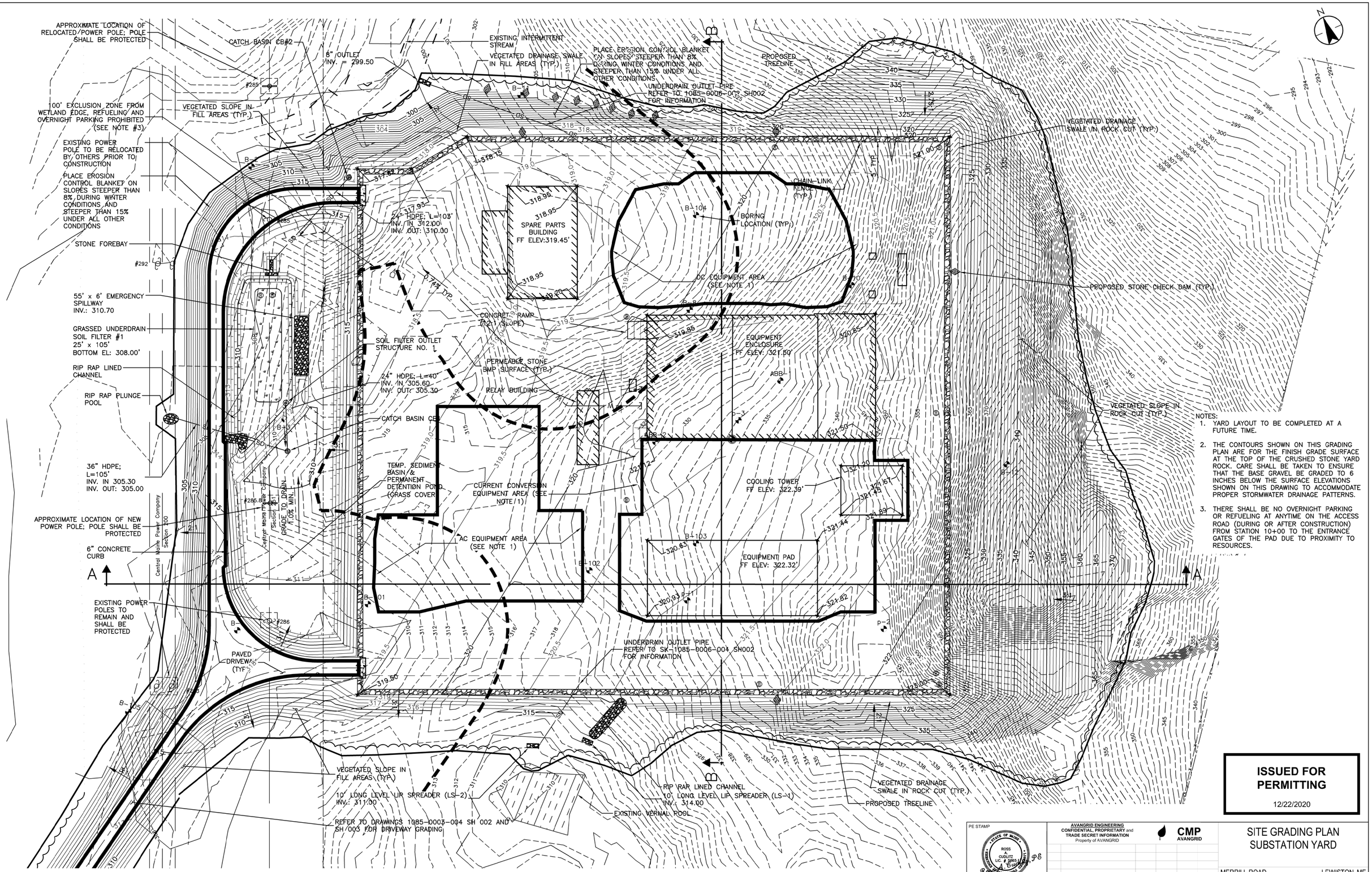

NOTES:

1. YARD LAYOUT TO BE COMPLETED AT A FUTURE TIME.
2. THE CONTOURS SHOWN ON THIS GRADING PLAN ARE FOR THE FINISH GRADE SURFACE AT THE TOP OF THE CRUSHED STONE YARD ROCK. CARE SHALL BE TAKEN TO ENSURE THAT THE BASE GRAVEL BE GRADED TO 6 INCHES BELOW THE SURFACE ELEVATIONS SHOWN ON THIS DRAWING TO ACCOMMODATE PROPER STORMWATER DRAINAGE PATTERNS.
3. THERE SHALL BE NO OVERNIGHT PARKING OR REFUELING AT ANYTIME ON THE ACCESS ROAD (DURING OR AFTER CONSTRUCTION) FROM STATION 10+00 TO THE ENTRANCE GATES OF THE PAD DUE TO PROXIMITY TO RESOURCES.

ISSUED FOR PERMITTING

12/22/2020

PE STAMP

STATE OF MAINE
ROSS A. CUDITZ
L.C. # 5265
LICENSED
Ross A. Cuditz, P.E.

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REV	DESCRIPTION	DATE	BY	CK	APP

SITE GRADING PLAN SUBSTATION YARD

MERRILL ROAD — LEWISTON, ME

BY	RAC	SCALE: 1" = 40'	FILE: 1085-0003-004 SH 001-P.dwg
CK		NO.	REV
APP		1085-0003-004 SH 001-P	0-0
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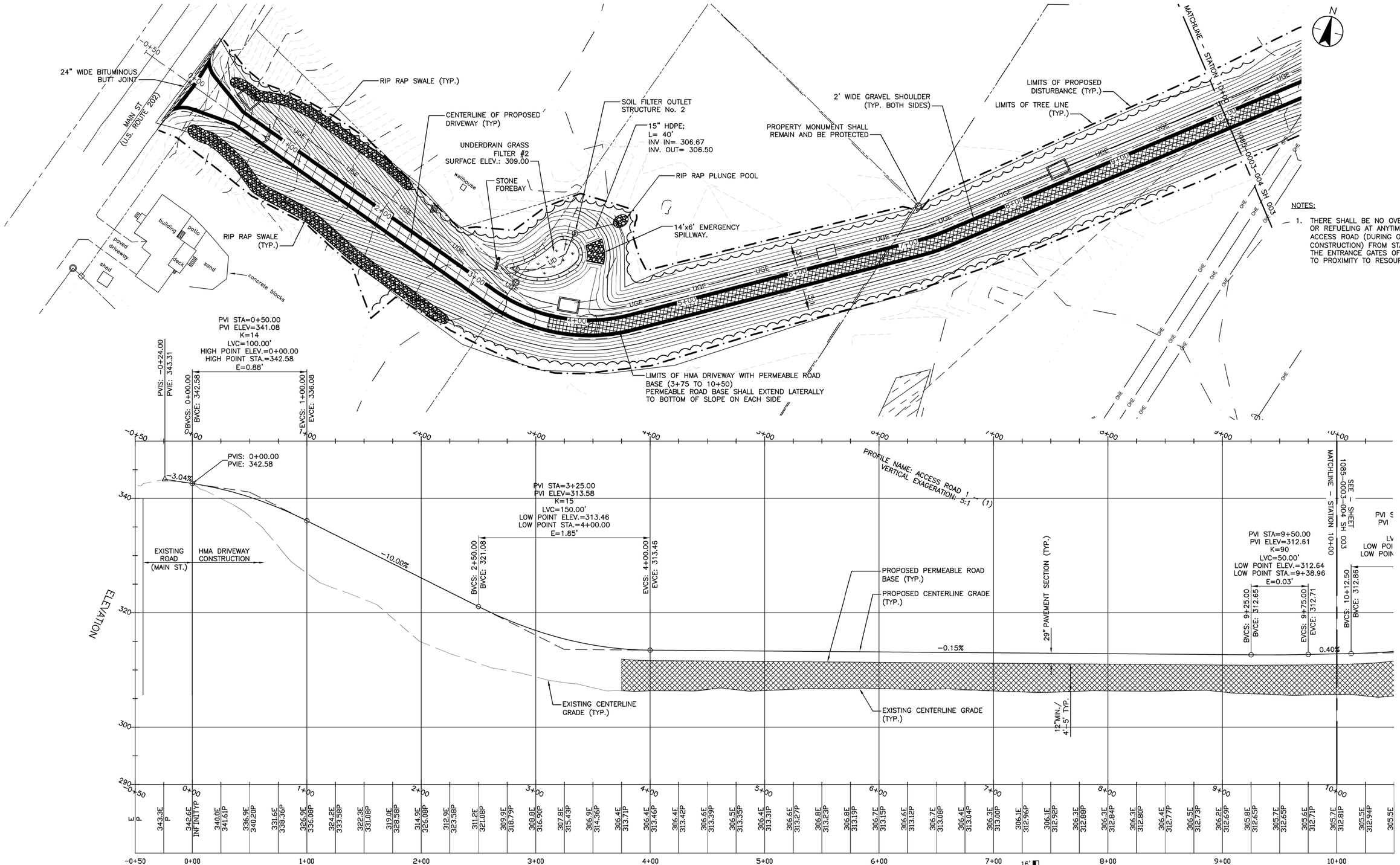

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PE STAMP

STATE OF MAINE — ROSS A. CUDLITZ — LIC. # 3845 — PROFESSIONAL ENGINEER

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ROAD GRADING AND PROFILE PLAN

SHEET 1 OF 2

MERRILL ROAD — LEWISTON, ME

BY	RAC	SCALE: 1" = 40'	FILE: 1085-0003-004 SH 002-P.dwg
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APP	RAC	1085-0003-004 SH 002-P	0-0
DATE: 12/22/2020			

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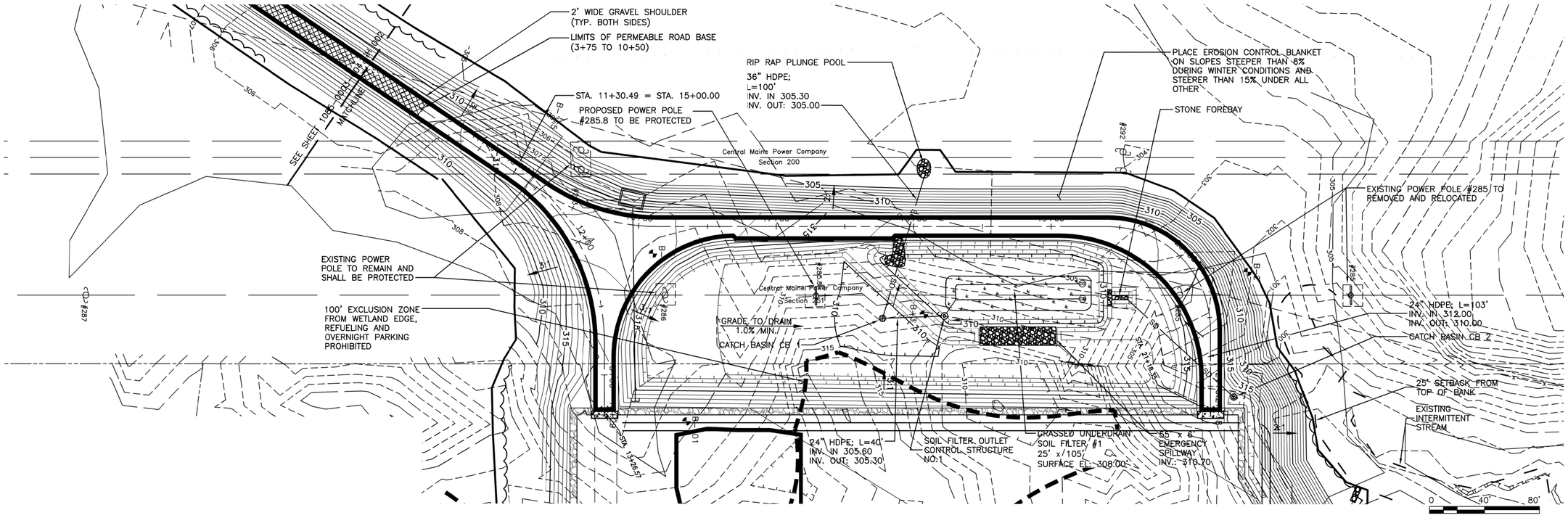

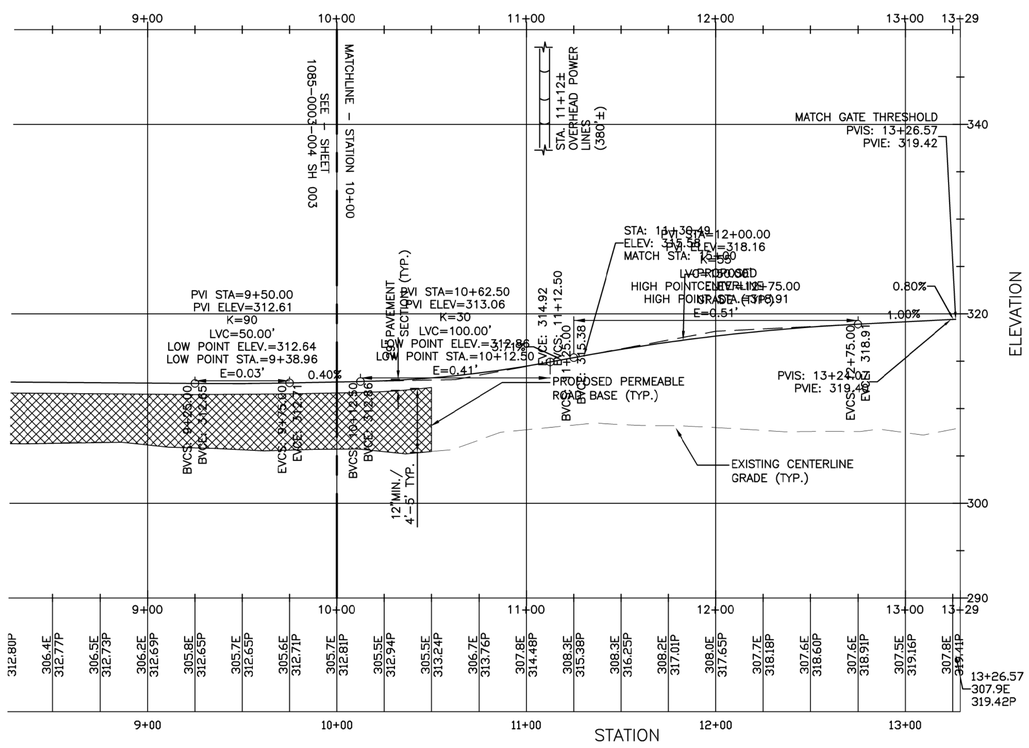

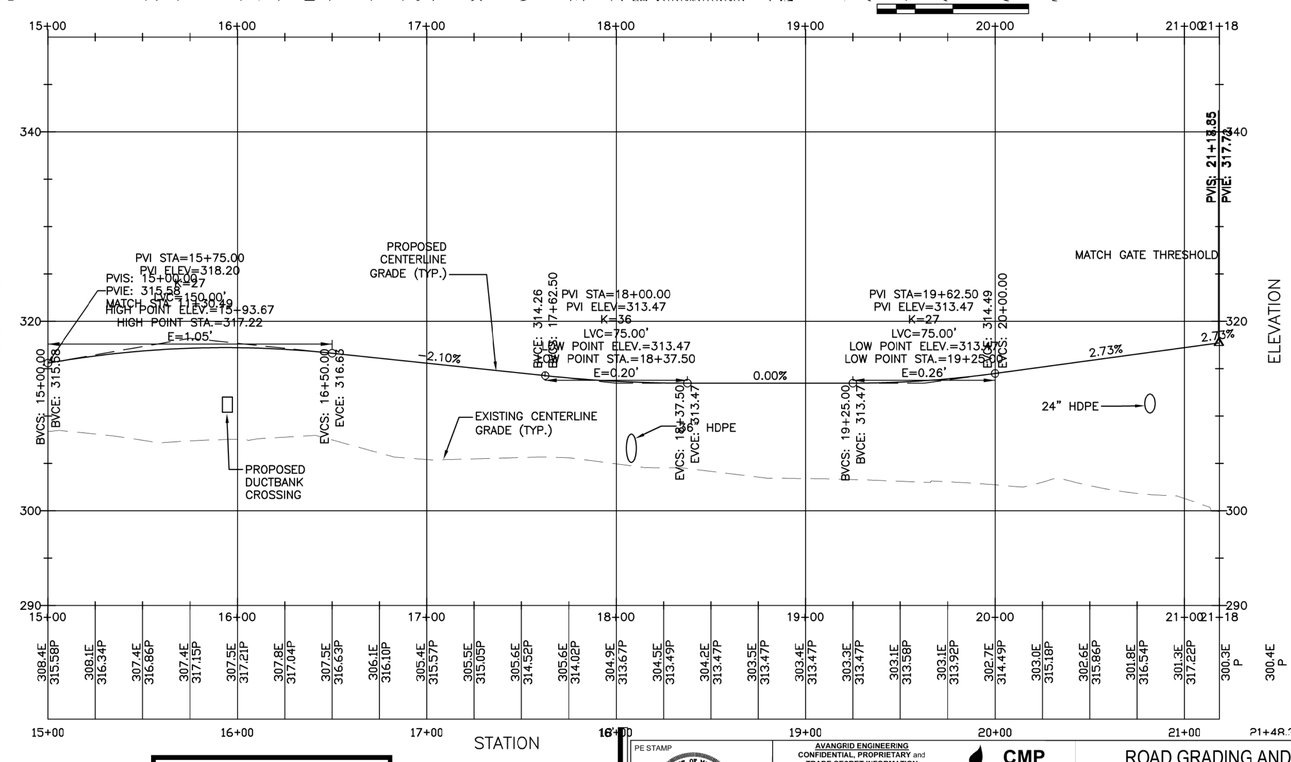

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12/22/2020

PE STAMP

STATE OF MAINE — ROSS A. CUDUTZ, LIC. # 7890 — PROFESSIONAL ENGINEER

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ROAD GRADING AND PROFILE PLAN

SHEET 2 OF 2

MERRILL ROAD — LEWISTON, ME

BY	RAC	SCALE: 1" = 40'	FILE: 1085-0003-004 SH 003-P.dwg
CK		NG.	REV
APP			1085-0003-004 SH 003-P — 0-0
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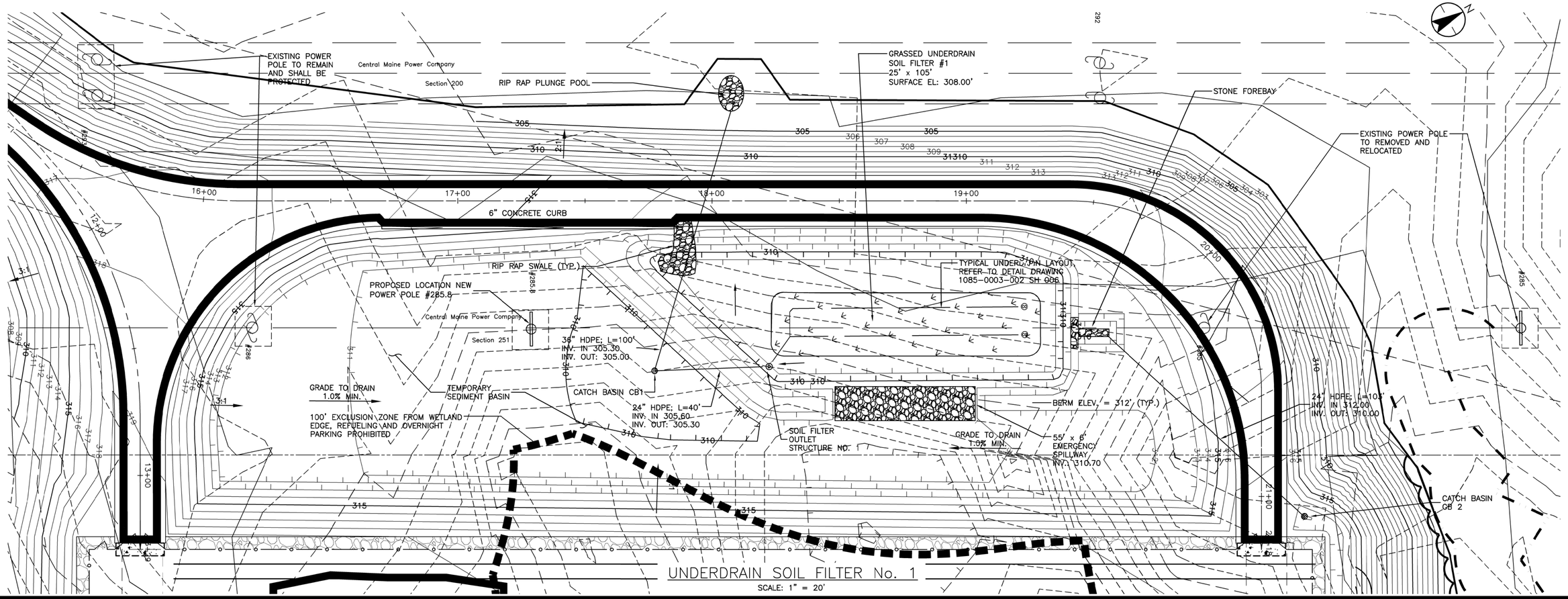

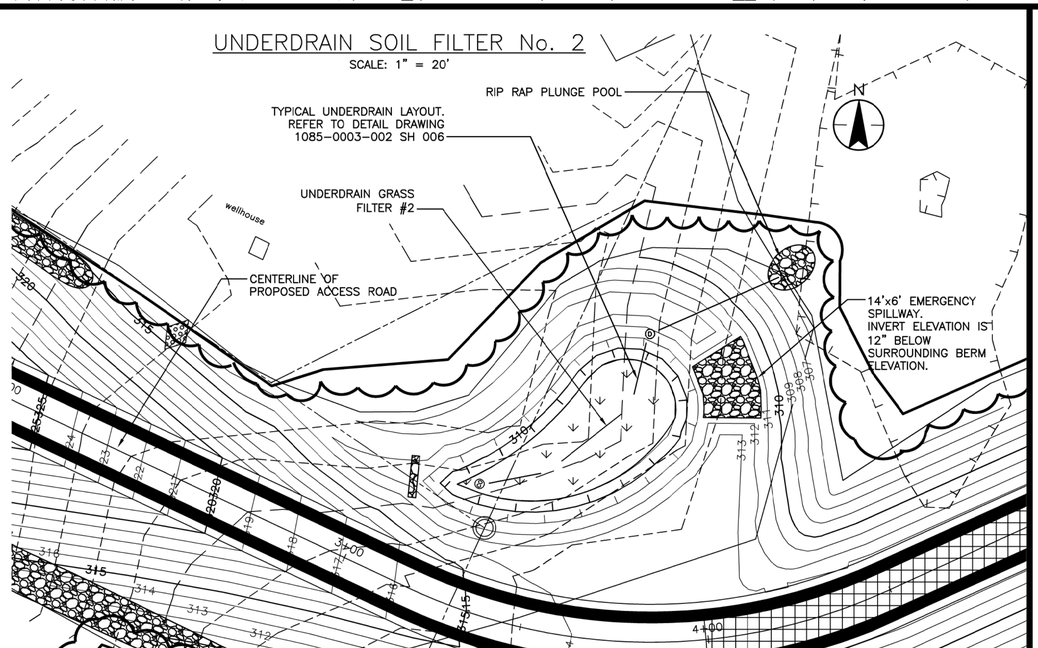

ISSUED FOR PERMITTING
DECEMBER 22, 2020

PE STAMP

STATE OF MAINE
RICHARD A. CUDDITZ
LIC. # 7265
REGISTERED PROFESSIONAL ENGINEER
PE

WITH MY PERMISSION AND KNOWLEDGE, I AFFIX THIS ELECTRONIC SEAL & SIGNATURE DECEMBER 22, 2020

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GRADING & DRAINAGE PLAN
BMP ENLARGEMENTS

MERRILL ROAD — LEWISTON, ME

BY	RAC	SCALE: 1" = 40'	FILE: 1085-0003-004 SH 004-P.dwg
CK		NO.	REV
APP		1085-0003-004 SH 004-P	0-0
DATE: 12/22/2020			

0 20' 40'

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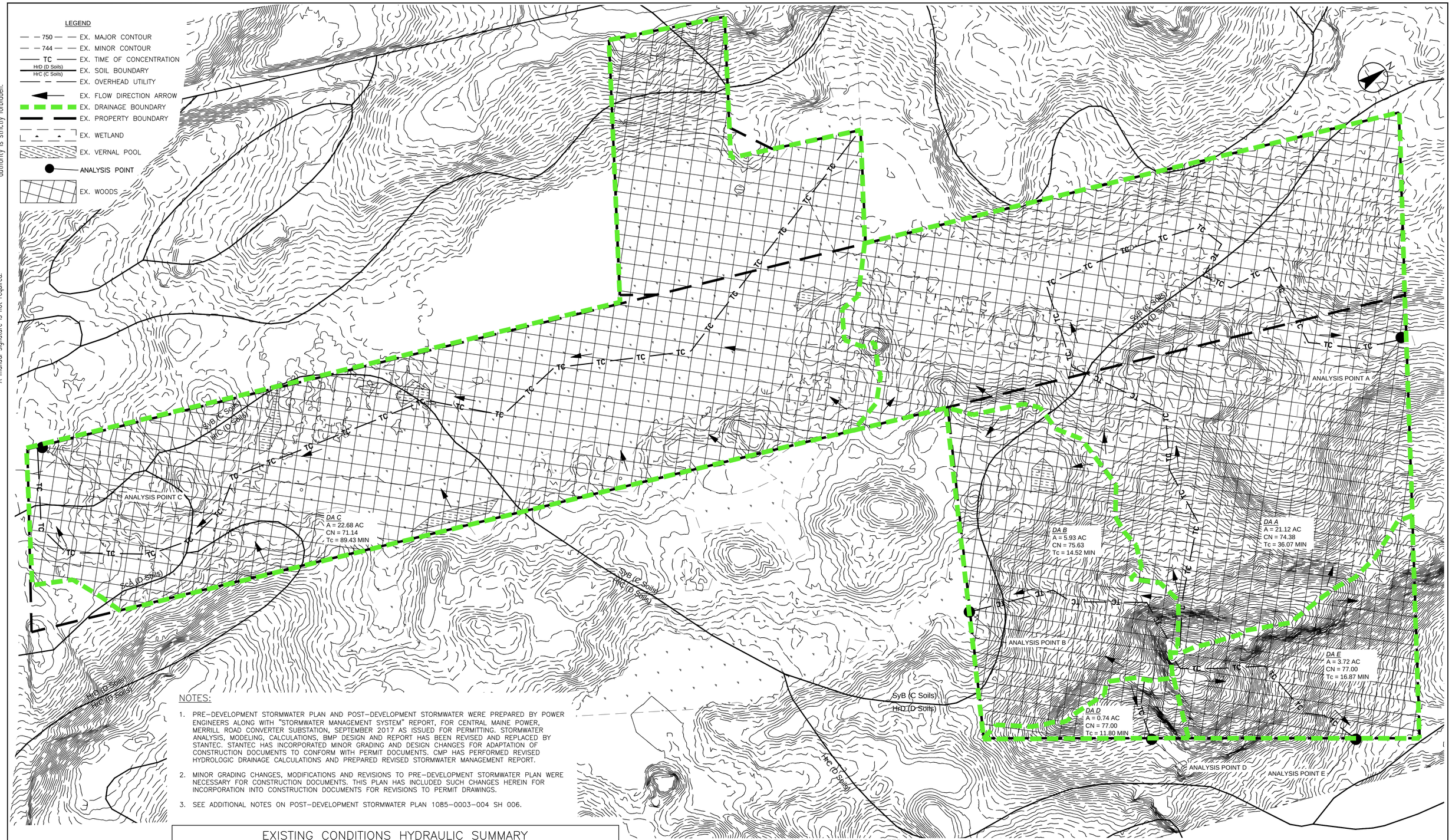

NOTES:

1. PRE–DEVELOPMENT STORMWATER PLAN AND POST–DEVELOPMENT STORMWATER WERE PREPARED BY POWER ENGINEERS ALONG WITH "STORMWATER MANAGEMENT SYSTEM" REPORT, FOR CENTRAL MAINE POWER, MERRILL ROAD CONVERTER SUBSTATION, SEPTEMBER 2017 AS ISSUED FOR PERMITTING. STORMWATER ANALYSIS, MODELING, CALCULATIONS, BMP DESIGN AND REPORT HAS BEEN REVISED AND REPLACED BY STANTEC. STANTEC HAS INCORPORATED MINOR GRADING AND DESIGN CHANGES FOR ADAPTATION OF CONSTRUCTION DOCUMENTS TO CONFORM WITH PERMIT DOCUMENTS. CMP HAS PERFORMED REVISED HYDROLOGIC DRAINAGE CALCULATIONS AND PREPARED REVISED STORMWATER MANAGEMENT REPORT.

2. MINOR GRADING CHANGES, MODIFICATIONS AND REVISIONS TO PRE–DEVELOPMENT STORMWATER PLAN WERE NECESSARY FOR CONSTRUCTION DOCUMENTS. THIS PLAN HAS INCLUDED SUCH CHANGES HEREIN FOR INCORPORATION INTO CONSTRUCTION DOCUMENTS FOR REVISIONS TO PERMIT DRAWINGS.

3. SEE ADDITIONAL NOTES ON POST–DEVELOPMENT STORMWATER PLAN 1085–0003–004 SH 006.

EXISTING CONDITIONS HYDRAULIC SUMMARY

DRAINAGE AREA	2 – YEAR FLOW RATE (CFS)	10 – YEAR FLOW RATE (CFS)	25 – YEAR FLOW RATE (CFS)
A	11.23	25.50	35.33
B	5.26	11.44	15.61
C	5.59	14.00	20.00
D	0.75	1.60	2.17
E	3.31	7.02	9.51

PRE–DEVELOPMENT STORMWATER PLAN

ISSUED FOR PERMITTING

12/22/2020

0 100' 200'

PE STAMP

STATE OF MAINE
ROSS A. CUDLITZ
LIC. # 6868
PROFESSIONAL ENGINEER
R. A. Cudlitz, PE

WITH MY PERMISSION AND KNOWLEDGE, I AFFIX THIS ELECTRONIC SEAL & SIGNATURE DECEMBER 22, 2020

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REV	DESCRIPTION	DATE	BY	CK	APP

PRE-DEVELOPMENT STORMWATER PLAN

MERRILL ROAD LEWISTON, ME

BY RAC | SCALE: 1" = 100' | FILE: 1085-0003-004 SH 005-P.dwg
CK | NO. | REV
APP
DATE 12/22/2020 | 1085-0003-004 SH 005-P | 0-0

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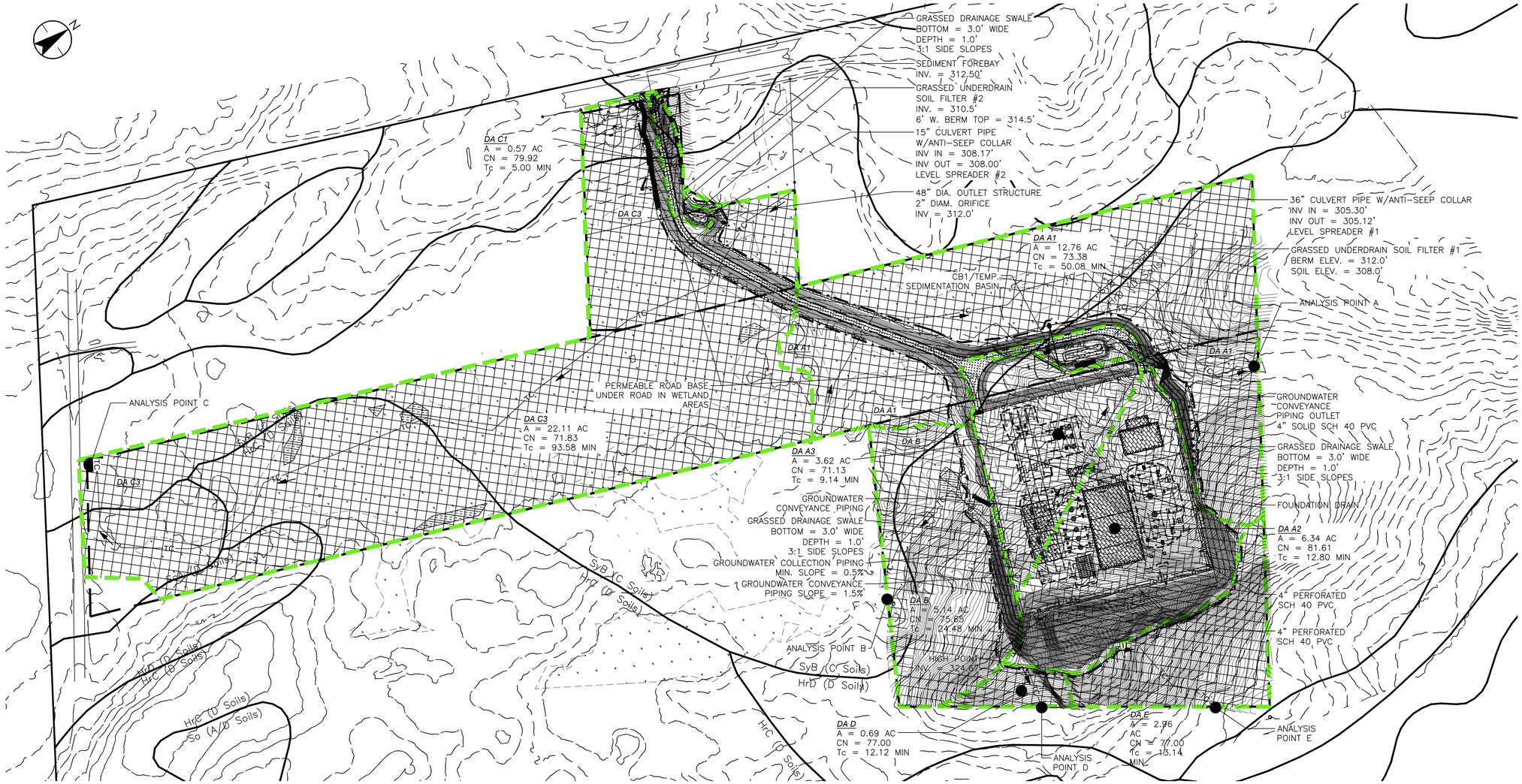

POST-DEVELOPMENT STORMWATER PLAN

LEGEND

750	EX. MAJOR CONTOUR
744	EX. MINOR CONTOUR
HrD (D Soils) / HrC (C Soils)	EX. SOIL BOUNDARY
	EX. OVERHEAD UTILITY
	EX. PROPERTY BOUNDARY
	EX. WETLAND
	EX. VERNAL POOL
	EX. WOODS
	PROP. DEVELOPED GRASS
	PROP. UNDERDRAIN SOIL FILTER
750	PROP. MAJOR CONTOUR
744	PROP. MINOR CONTOUR
TC	PROP. TIME OF CONCENTRATION
	PROP. FLOW DIRECTION ARROW
	PROP. DRAINAGE BOUNDARY
	ANALYSIS POINT
	PROP. CULVERT/PIPING
	PROP. SITE/LINEAR DEMARCATION
	PROP. IMPERVIOUS PAVING/ROOF
	PROP. STONE PAD
	PROP. PAVED ROAD

PROPOSED CONDITIONS HYDRO. SUMMARY

DRAINAGE AREA	2-YEAR PEAK (CFS)	10-YEAR PEAK (CFS)	25-YEAR PEAK (CFS)	2-YEAR PEAK AT ANALYSIS POINT (CFS)	10-YEAR PEAK AT ANALYSIS POINT (CFS)	25-YEAR PEAK AT ANALYSIS POINT (CFS)
A1	5.30	12.41	17.35	6.38 (-4.85)	19.93 (-5.57)	28.28 (-7.05)
A2*	3.74	9.34	13.28			
A3*	1.48	4.56	6.83			
B	3.70 (-1.56)	8.02 (-3.42)	10.95 (-4.66)	N/A		
C1	0.86	1.70	2.26	5.71 (+-0.02)**	13.83 (-0.17)	19.62 (-0.38)
C3	5.69	13.79	19.52			
D	0.74 (-0.01)	1.58 (-0.02)	2.16 (-0.02)	N/A		
E	2.89 (-0.42)	6.12 (-0.90)	8.29 (-1.22)	N/A		

* SUBCATCHMENT AREA WAS MODIFIED DUE TO REGRADING AND REVISED GA
** INSIGNIFICANT INCREASE DUE TO HYDORCAD MODEL VARIATION

STORMWATER TREATMENT REQUIREMENTS (% OF TREATED AREA)

LAND TYPE	STATION	STATION % TREATED - PERMITTED	STATION % TREATED - (UPDATED FOR CONSTRUCTION)	LINEAR	LINEAR % TREATED
IMPERVIOUS TOTAL1/	7.16 AC	100%	(6.68 AC) (6.68 AC/100%)	0.43 AC	86.05%
IMPERVIOUS TREATED	7.16 AC			0.37 AC	
DEVELOPED TOTAL2,3/	10.30 AC	86.31%	(10.30 AC) (8.89 AC/86.13%)	1.58 AC	58.23%
DEVELOPED TREATED	8.89 AC			0.92 AC	

[1]IMPERVIOUS TOTAL DOES NOT INCLUDE 0.53 ACRES OF EXEMPTED WETLAND ROAD CROSSING AREA WITH PERMEABLE ROAD BASE

[2]DEVELOPED TOTAL DOES NOT INCLUDE 0.67 ACRES OF EXEMPTED WETLAND ROAD CROSSING AREA WITH PERMEABLE ROAD BASE

[3]DEVELOPED AREA INCLUDES BOTH IMPERVIOUS AND LANDSCAPED SURFACES

NOTES:

1. REFER TO "STORMWATER MANAGEMENT PLAN FOR THE NEW ENGLAND CLEAN ENERGY CONNECT MERRILL ROAD CONVERTER SUBSTATION" REPORT AND STORMWATER PLANS, REVISED DECEMBER 2020 FOR DETAILED INFORMATION AND HYDROLOGY CALCULATIONS.
2. SEE PRE-DEVELOPMENT STORMWATER PLAN 1085-0003-004 SH 005 FOR ADDITIONAL NOTES.

ISSUED FOR PERMITTING
12/22/2020

0 150' 300'

PE STAMP
STATE OF MAINE
ROSS A. CUDLITZ
LIC. # 5654
PROFESSIONAL ENGINEER
WITH MY PERMISSION AND KNOWLEDGE, I AFFIX THIS ELECTRONIC SEAL & SIGNATURE DECEMBER 22, 2020

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POST-DEVELOPMENT STORMWATER PLAN

MERRILL ROAD — LEWISTON, ME

BY	RAC	SCALE: 1" = 100'	FILE: 1085-0003-004 SH 006-P.dwg
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APP		1085-0003-004 SH 006-P	0-0
DATE:	12/22/2020		

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***MAIN STREET REFERENCE DATA**
(DATA PROVIDED BY CMP)

POSTED SPEED LIMITS
- SOUTHBOUND: 50 MPH
- NORTHBOUND: 50 MPH

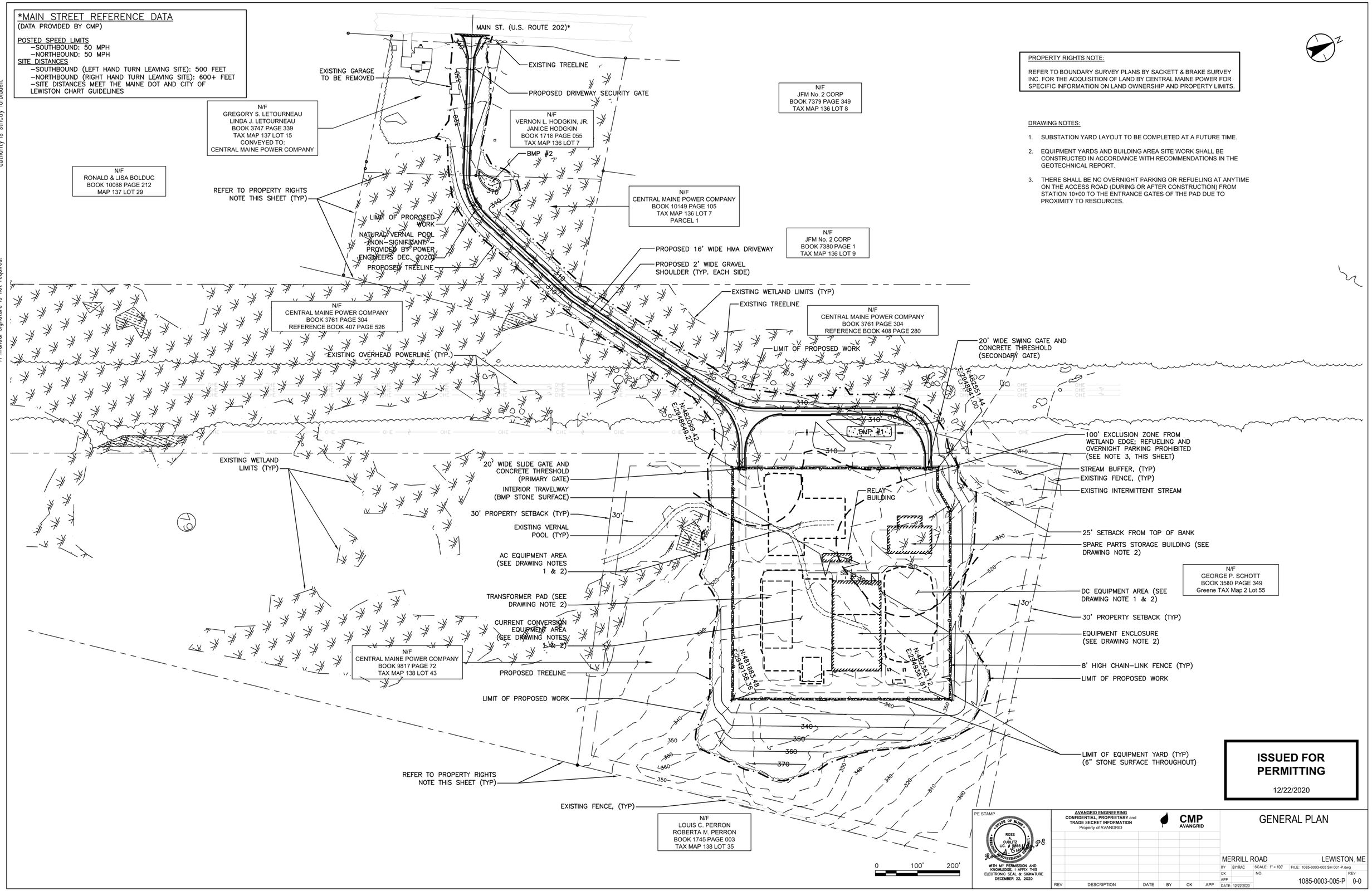
SITE DISTANCES
- SOUTHBOUND (LEFT HAND TURN LEAVING SITE): 500 FEET
- NORTHBOUND (RIGHT HAND TURN LEAVING SITE): 600+ FEET
- SITE DISTANCES MEET THE MAINE DOT AND CITY OF LEWISTON CHART GUIDELINES

PROPERTY RIGHTS NOTE:

REFER TO BOUNDARY SURVEY PLANS BY SACKETT & BRAKE SURVEY INC. FOR THE ACQUISITION OF LAND BY CENTRAL MAINE POWER FOR SPECIFIC INFORMATION ON LAND OWNERSHIP AND PROPERTY LIMITS.

DRAWING NOTES:

1. SUBSTATION YARD LAYOUT TO BE COMPLETED AT A FUTURE TIME.
2. EQUIPMENT YARDS AND BUILDING AREA SITE WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH RECOMMENDATIONS IN THE GEOTECHNICAL REPORT.
3. THERE SHALL BE NO OVERNIGHT PARKING OR REFUELING AT ANYTIME ON THE ACCESS ROAD (DURING OR AFTER CONSTRUCTION) FROM STATION 10+00 TO THE ENTRANCE GATES OF THE PAD DUE TO PROXIMITY TO RESOURCES.



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12/22/2020

PE STAMP

STATE OF MAINE ROSS A. CUDLITZ LIC. # 9265 REGISTERED PROFESSIONAL ENGINEER

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GENERAL PLAN

MERRILL ROAD — LEWISTON, ME

BY	BY:RAC	SCALE: 1" = 100'	FILE: 1085-0003-005 SH 001-P.dwg
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APP			
DATE: 12/22/2020		1085-0003-005-P	0-0

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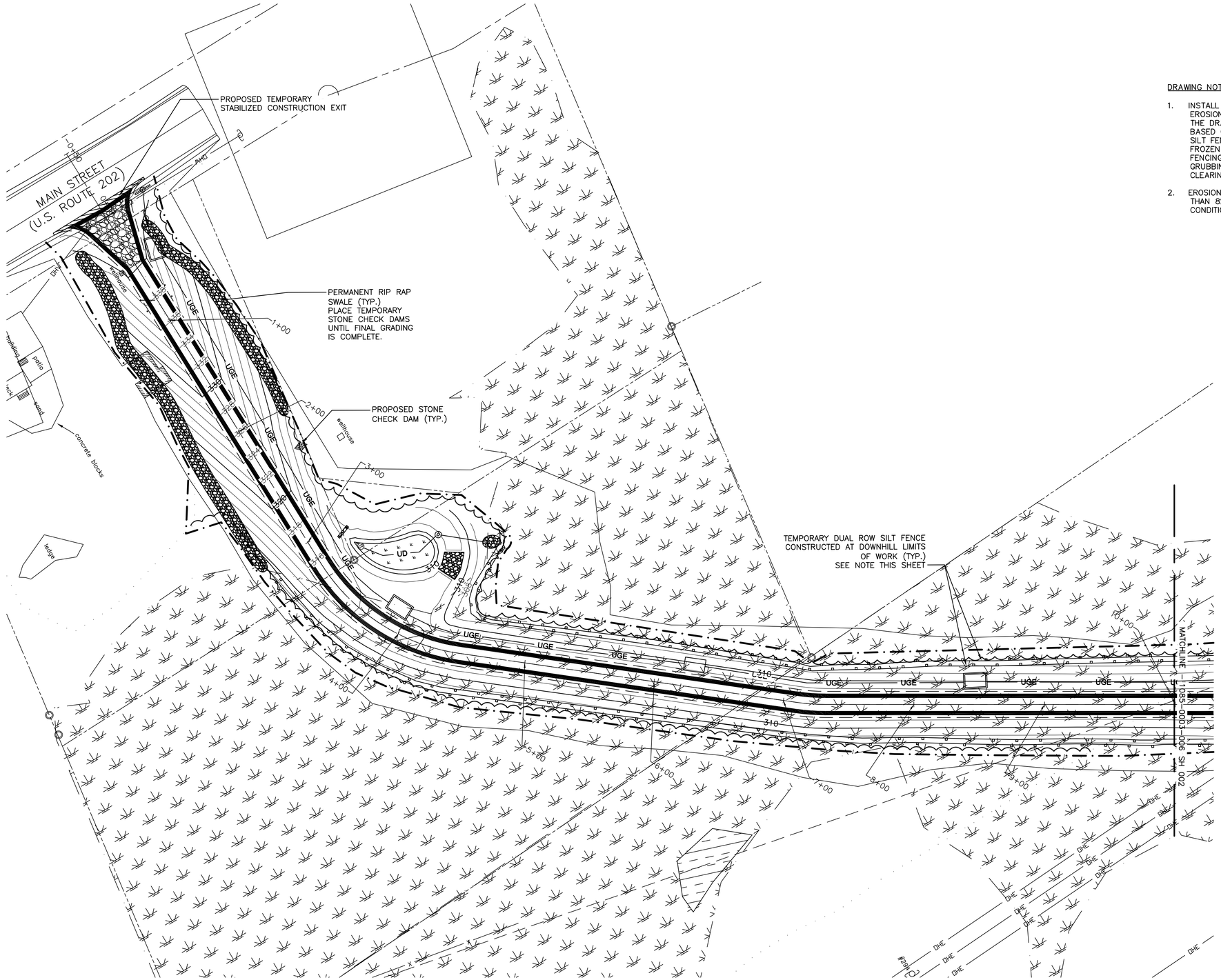

N

DRAWING NOTES

1. INSTALL AND MAINTAIN SEDIMENT BARRIERS SUCH AS SILT FENCING AND/OR OTHER EROSION CONTROL BARRIERS ALONG THE DOWNHILL LIMIT OF WORK, AS SHOWN ON THE DRAWINGS. SEDIMENT BARRIER LOCATIONS MAY BE ADJUSTED IN THE FIELD BASED ON SITE CONDITIONS AS DETERMINED BY THE ENGINEERING INSPECTOR. WHERE SILT FENCE CANNOT BE TOED-IN PROPERLY DUE TO TREE ROOTS, ROCKS OR FROZEN GROUND, AN EROSION CONTROL MIX BERM MAY BE SUBSTITUTED. SILT FENCING OR SEDIMENT BARRIERS WILL BE INSTALLED AFTER CLEARING BUT PRIOR TO GRUBBING AND GRADING ACTIVITIES. ANY EROSION ISSUES DEVELOPED DURING CLEARING WILL BE TEMPORARILY STABILIZED AS NECESSARY.

2. EROSION CONTROL BLANKET SHALL BE INSTALLED ON ALL VEGETATED SLOPES STEEPER THAN 8% DURING WINTER CONDITIONS AND STEEPER THAN 15% UNDER ALL OTHER CONDITIONS.

ISSUED FOR PERMITTING

12/22/2020

0 40' 80'

PE STAMP

STATE OF MAINE
ROSS A. CUDLITZ
LIC. # 6565
PROFESSIONAL ENGINEER
Ross A. Cudlitz, P.E.

WITH MY PERMISSION AND KNOWLEDGE, I AFFIX THIS ELECTRONIC SEAL & SIGNATURE DECEMBER 22, 2020

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EROSION CONTROL PLAN

SHEET 1 OF 6

MERRILL ROAD — LEWISTON, ME

BY	BY:RAC	SCALE: 1" = 40'	FILE: 1085-0003-006 SH 001-P.dwg
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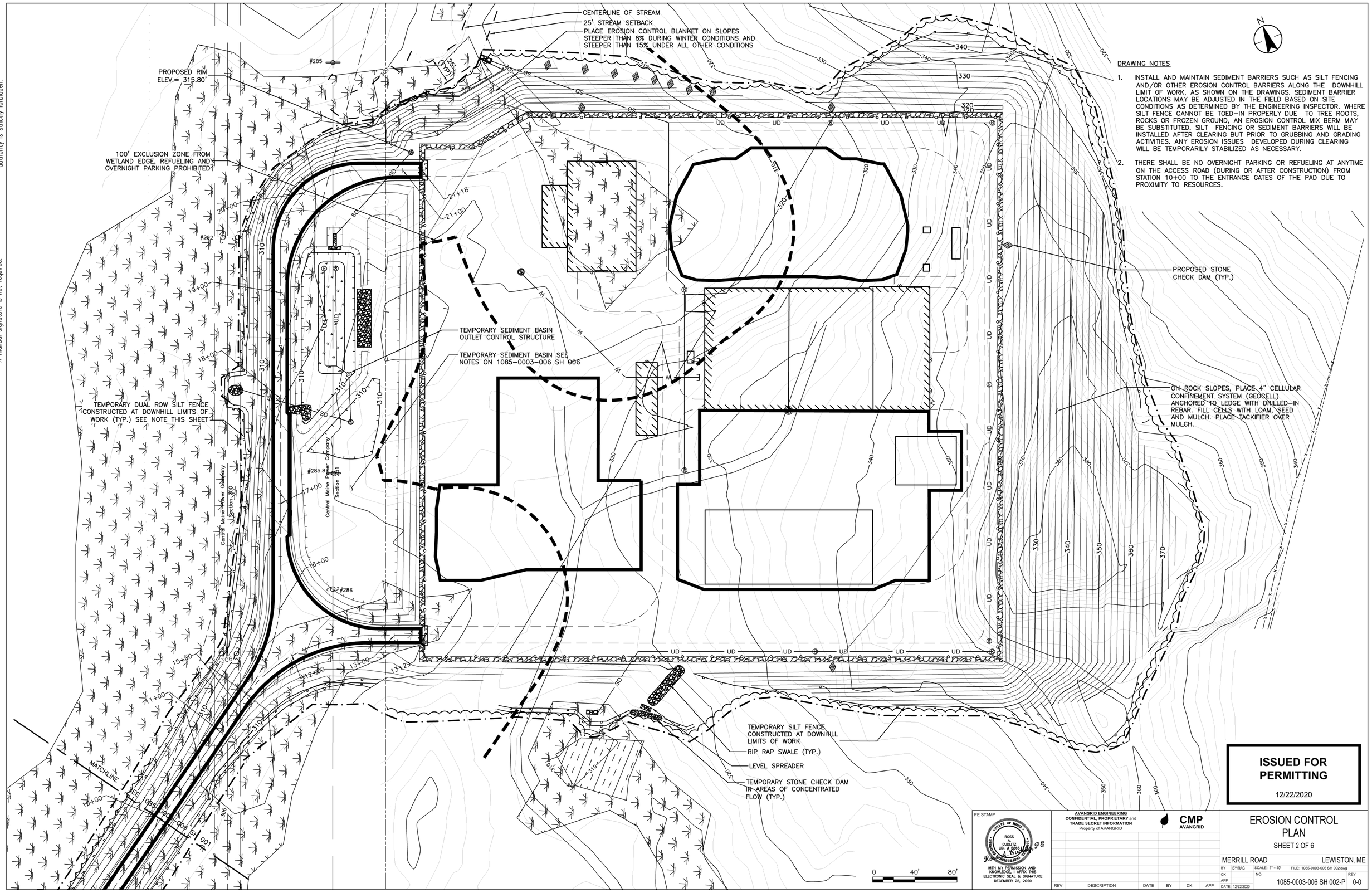

DRAWING NOTES

1. INSTALL AND MAINTAIN SEDIMENT BARRIERS SUCH AS SILT FENCING AND/OR OTHER EROSION CONTROL BARRIERS ALONG THE DOWNHILL LIMIT OF WORK, AS SHOWN ON THE DRAWINGS. SEDIMENT BARRIER LOCATIONS MAY BE ADJUSTED IN THE FIELD BASED ON SITE CONDITIONS AS DETERMINED BY THE ENGINEERING INSPECTOR. WHERE SILT FENCE CANNOT BE TOED-IN PROPERLY DUE TO TREE ROOTS, ROCKS OR FROZEN GROUND, AN EROSION CONTROL MIX BERM MAY BE SUBSTITUTED. SILT FENCING OR SEDIMENT BARRIERS WILL BE INSTALLED AFTER CLEARING BUT PRIOR TO GRUBBING AND GRADING ACTIVITIES. ANY EROSION ISSUES DEVELOPED DURING CLEARING WILL BE TEMPORARILY STABILIZED AS NECESSARY.
2. THERE SHALL BE NO OVERNIGHT PARKING OR REFUELING AT ANYTIME ON THE ACCESS ROAD (DURING OR AFTER CONSTRUCTION) FROM STATION 10+00 TO THE ENTRANCE GATES OF THE PAD DUE TO PROXIMITY TO RESOURCES.

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12/22/2020

PE STAMP

STATE OF MAINE
ROSS A. CUDLITZ
LIC. # 5860
PROFESSIONAL ENGINEER
Ross A. Cudlitz, P.E.

WITH MY PERMISSION AND KNOWLEDGE, I AFFIX THIS ELECTRONIC SEAL & SIGNATURE DECEMBER 22, 2020

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EROSION CONTROL PLAN

SHEET 2 OF 6

MERRILL ROAD — LEWISTON, ME

BY	BY:RAC	SCALE: 1" = 40'	FILE: 1085-0003-006 SH 002.dwg
CK		NO.	REV
APP		1085-0003-006 SH 002-P	0-0
DATE: 12/22/2020			

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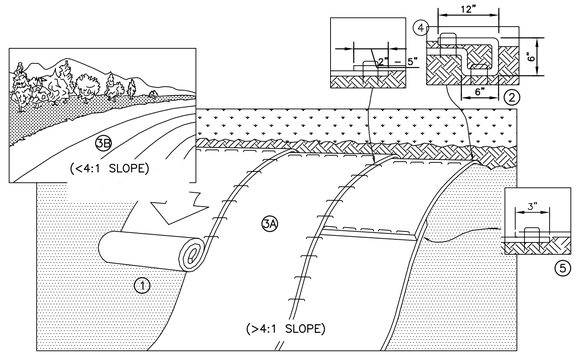
EROSIONAL CONTROL BLANKET DETAIL
FOR SLOPE INSTALLATION

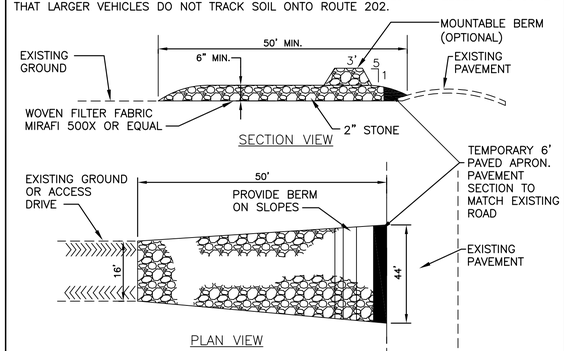


(A) EROSION CONTROL BLANKET DETAIL
N.T.S.

NOTES:

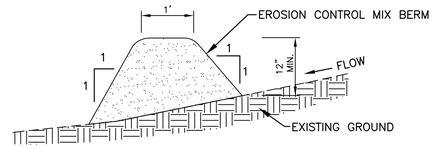
1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF AMENDMENTS, LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" (15cm) WIDE TRENCH WITH APPROXIMATELY 12" (30cm) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIAMATELY 12" (30cm) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30cm) PORTION OF THE BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30cm) APART ACROSS THE WIDTH OF THE BLANKET.
3. ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH THE APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" (5cm-12.5cm) OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON TEH PREVIOUSLY INSTALLED BLANKET.
5. CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIAMTE 3" (7.5cm) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30cm) APART ACROSS ENTIRE BLANKET WIDTH.
6. BLANKET SHALL EXTEND AT LEAST 3 FEET BEYOND THE TOE OF SLOPE. STAPLE 12" APART ALONG ALL EDGES AND TERMINATIONS. IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15cm) MAY BE NECESSARY TO PROPERLY ANCHOR THE BLANKETS.

NOTE:
CONTRACTOR SHALL MAINTAIN TO PREVENT TRACKING ON TO PUBLIC WAY, ADD STONE TO OR REMOVE AND RECONSTRUCT THE STABILIZED CONSTRUCTION EXIT AS MUD/SILT MATERIAL ACCUMULATES. STABILIZED CONSTRUCTION EXIT WILL BE ENLARGED AS NEEDED TO ENSURE THAT LARGER VEHICLES DO NOT TRACK SOIL ONTO ROUTE 202.



(B) STABILIZED CONSTRUCTION EXIT DETAIL
N.T.S.

NOTE:
IN AREAS WITH SIGNIFICANT ROOTS, BOULDERS, LEDGE, AND DURING PERIODS OF WINTER CONSTRUCTION (NOV. 15 THROUGH APRIL 15), THE CONTRACTOR SHALL INSTALL EROSION CONTROL MIX BERMS IN LIEU OF SILT FENCE. DO NOT INSTALL ON SNOW OR ICE.



EROSION CONTROL MIX:
EROSION CONTROL MIX SHALL CONSIST OF SOIL/BARK MIX, AND STUMP GRINDINGS, AND CONTAIN A WELL-GRADED MIXTURE OF PARTICLE SIZES & MAY CONTAIN ROCKS LESS THAN 4" IN DIAMETER. EROSION CONTROL MIX MUST BE FREE OF REFUSE, PHYSICAL CONTAMINANTS, AND MATERIAL TOXIC TO PLANT GROWTH. THE MIX COMPOSITION SHALL MEET THE FOLLOWING STANDARDS:

- THE ORGANIC MATTER CONTENT SHALL BE BETWEEN 80 AND 100%, DRY WEIGHT BASIS.
- PARTICLE SIZE BY WEIGHT SHALL BE 100% PASSING A 6" SCREEN AND A MINIMUM OF 70%, MAXIMUM OF 85%, PASSING A 0.75" SCREEN.
- THE ORGANIC PORTION NEEDS TO BE FIBROUS AND ELONGATED.
- LARGE PORTIONS OF SILTS, CLAYS OR FINE SANDS ARE NOT ACCEPTABLE IN THE MIX.
- SOLUBLE SALTS CONTENT SHALL BE < 4.0 mmhos/cm.
- PH SHALL FALL BETWEEN 5.0 AND 8.0.

SEDIMENT BARRIER

(D) EROSION CONTROL MIX BERM DETAIL
N.T.S.

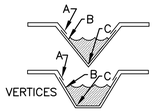
CHANNEL INSTALLATION

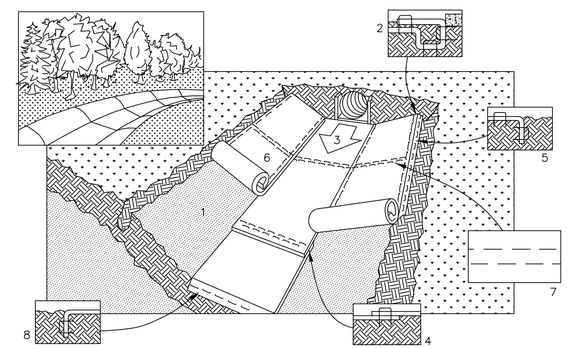
NOTE:

HORIZONTAL STAPLE SPACING SHOULD BE ALTERED IF NECESSARY TO ALLOW STAPLES TO SECURE THE CRITICAL POINTS ALONG THE CHANNEL SURFACE. REFER TO GENERAL STAPLE PATTERN GUIDE FOR CORRECT STAPLE RECOMMENDATIONS FOR CHANNELS.

CRITICAL POINTS

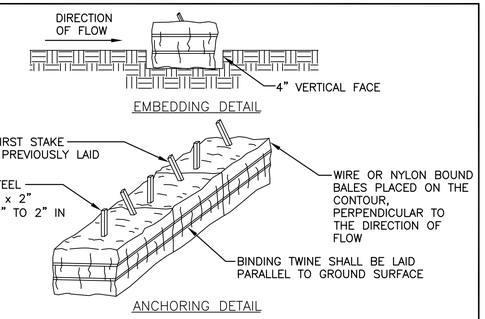
A. OVERLAPS AND SEAMS
B. PROJECTED WATER LINE
C. CHANNEL BOTTOM/SIDE SLOPE VERTICES





1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED.
2. BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
3. ROLL CENTER BLANKET IN DIRECTION OF WATER FLOW ON BOTTOM OF CHANNEL.
4. PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH A 6" OVERLAP. USE A DOUBLE ROW OF STAGGERED STAPLES 4" APART TO SECURE BLANKETS.
5. FULL LENGTH EDGE OF BLANKETS AT TOP OF SIDE SLOPES MUST BE ANCHORED IN 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
6. BLANKETS ON SIDE SLOPES MUST BE OVERLAPPED 4" OVER THE CENTER BLANKET AND STAPLED (2" FOR C350 MATTING).
7. IN HIGH FLOW CHANNEL APPLICATIONS, A STAPLE CHECK SLOT IS RECOMMENDED AT 30 TO 40 FOOT INTERVALS. USE A ROW OF STAPLES 4" APART OVER ENTIRE WIDTH OF THE CHANNEL. PLACE A SECOND ROW 4" BELOW THE FIRST ROW IN A STAGGERED PATTERN.
8. THE TERMINAL END OF THE BLANKETS MUST BE ANCHORED IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.

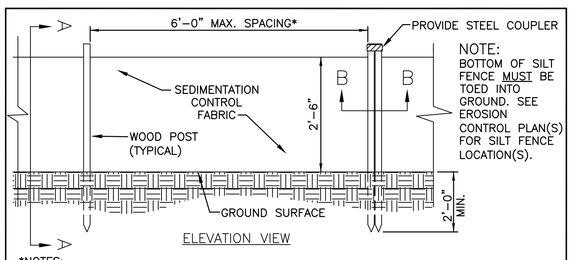
(F) EROSION CONTROL MAT DETAIL
N.T.S.



CONSTRUCTION SPECIFICATIONS

1. BALES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 4".
3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY STAKES OR RE-BARS DRIVEN THROUGH THE BALES. THE FIRST STAKE IN EACH BALE WAS ANGLED TOWARD PREVIOUSLY LAID BALE TO FORCE BALES TOGETHER.
4. INSPECTION WILL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MAKE PROMPTLY AS NEEDED.
5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

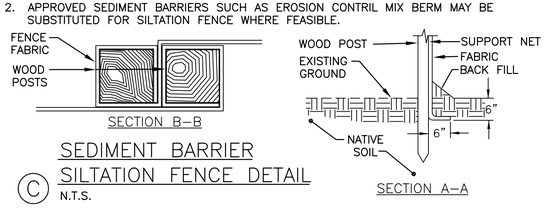
(G) STRAW OR HAY BALE BARRIER
N.T.S.



NOTE:
BOTTOM OF SILT FENCE MUST BE TOED INTO GROUND. SEE EROSION CONTROL PLAN(S) FOR SILT FENCE LOCATION(S).

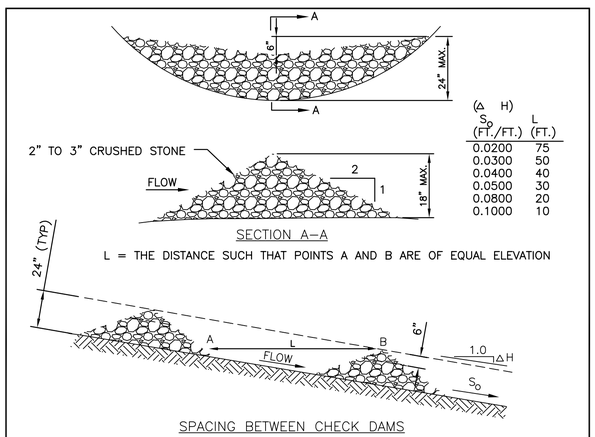
*NOTES:

1. THE SILT FENCE SHOULD HAVE A MAXIMUM STAKING DISTANCE OF 6', UNLESS THE FENCE IS SUPPORTED BY WIRE FENCE REINFORCEMENT, A MAXIMUM 14 GAUGE AND WITH A MINIMUM MESH SPACING OF 6".
2. APPROVED SEDIMENT BARRIERS SUCH AS EROSION CONTRIL MIX BERM MAY BE SUBSTITUTED FOR SILTATION FENCE WHERE FEASIBLE.



SEDIMENT BARRIER

(C) SILTATION FENCE DETAIL
N.T.S.



(Δ H)

S_o (FT./FT.)	L (FT.)
0.0200	75
0.0300	50
0.0400	40
0.0500	30
0.0800	20
0.1000	10

L = THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION

(E) STONE CHECK DAM DETAIL
N.T.S.

ISSUED FOR PERMITTING

12/22/2020

PE STAMP
STATE OF MAINE
ROSS A. CUDLITZ
LIC. # 5865
PROFESSIONAL ENGINEER
Ross A. Cudlitz, P.E.
WITH MY PERMISSION AND KNOWLEDGE, I AFFIX THIS ELECTRONIC SEAL & SIGNATURE DECEMBER 22, 2020

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EROSION CONTROL PLAN

SHEET 3 OF 6

MERRILL ROAD — LEWISTON, ME

BY	RAC	SCALE: NTS	FILE: 1085-0003-006 SH 003-P.dwg
CK		NO.	REV
APP		1085-0003-006 SH 003-P	0-0
DATE	12/22/2020		

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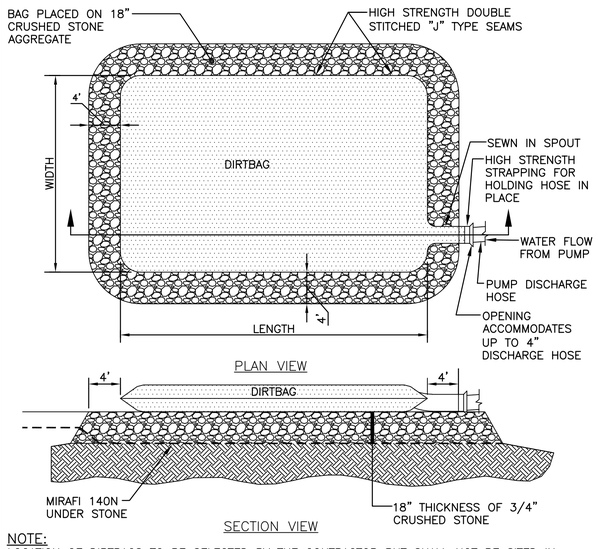


NOTE:
LOCATION OF DIRTBAGS TO BE SELECTED BY THE CONTRACTOR BUT SHALL NOT BE SITED IN WETLANDS OR UNSTABLE SLOPES.

CONSTRUCTION DEWATERING OPERATIONS:

ALL CONSTRUCTION–DEWATERING OPERATIONS ARE THE RESPONSIBILITY OF THE SITE CONTRACTOR. IT SHALL BE THE SITE CONTRACTOR WHO IS RESPONSIBLE FOR SELECTING THE SITE FOR THE DIRTBAG, THE SELECTION OF THE USE OF THE DIRTBAG OR THE SEDIMENTATION BASIN FOR DIRECTING DEWATERING, EXCEPT THAT THE OWNER MAY DIRECT THE SITE CONTRACTOR TO ALTER THE SELECTED OPERATION IF TURBID DISCHARGE TO A WETLAND OR EITHER CULVERT UNDER WEEKS ROAD IS OBSERVED.

WINTER OPERATIONS:

IN THE EVENT THAT WINTER OPERATIONS ARE REQUIRED, THE CONTRACTOR SHALL "POLY", ENCLOSE, AND PROVIDE TEMPORARY HEAT TO PREVENT THE DIRTBAG FROM SUBSTANTIAL FREEZING.

RECORD KEEPING

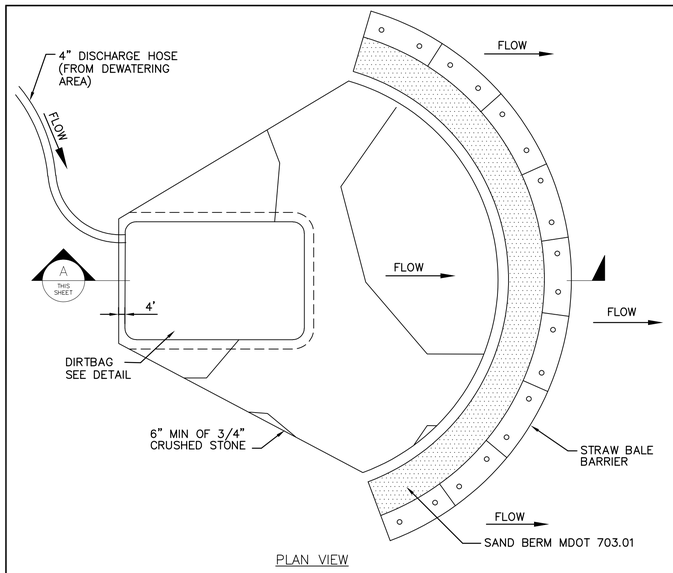
THE WEEKLY EROSION–SEDIMENT CONTROL REPORTS PREPARED IN ACCORDANCE WITH THE PERMIT SHALL MAINTAIN A LOG OF THE LOCATION, USE, AND REMOVAL OF DIRTBAGS. IN THE EVENT THAT THE STONE UNDER THE DIRTBAG BECOMES HIGHLY CONTAMINATED WITH FINES, THE NEXT DIRTBAG SHALL BE INSTALLED IN A DIFFERENT LOCATION OR STONE PAD SHALL BE REMOVED AND REPLACED.

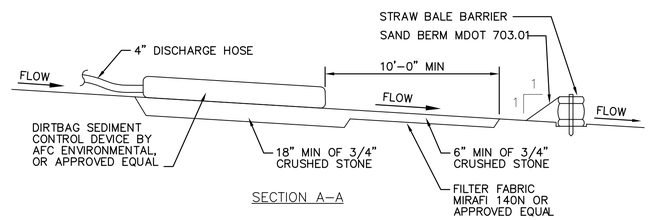
ACCEPTABLE METHODS OF DISCHARGING CONSTRUCTION SITE RUNOFF:

DEWATERING OF THE CONSTRUCTION SITE SHALL BE ACCOMPLISHED USING ONE OF THE FOLLOWING MEASURES:

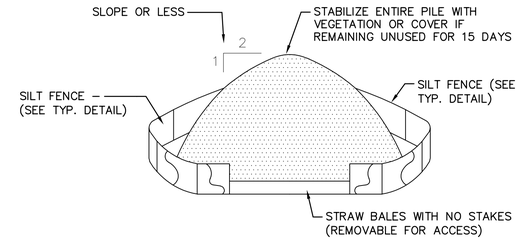
- THE DIRECTION OF THE RUNOFF TO THE TEMPORARY SEDIMENTATION BASIN BY GRAVITY FLOW.
- THE PUMPING OF DIRTBAGS WITH A DISCHARGE TO DOWNSTREAM STABILIZED AREAS.
- THE PUMPING OF CONSTRUCTION SITE WATER AND COLLECTED RUNOFF TO A DIRTBAG (PATENTED PRODUCT BY ACF ENVIRONMENTAL PRODUCTS) WITH RELEASE THROUGH A VEGETATED BUFFER AT LEAST 50 FEET UPGRADIENT OF A WETLAND OR SEDIMENT BERM PER DEWATERING SYSTEM DETAIL.

(A) DIRTBAG DETAIL AND SPECIFICATIONS
N.T.S.





(B) DEWATERING SYSTEM DETAIL
N.T.S.



INSTALLATION NOTES:

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 2H:1V. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAW BALES, THEN STABILIZED WITH VEGETATION OR COVERED.
3. NO STOCKPILES SHALL BE LOCATED WITHIN 100' OF ANY WETLAND OR STREAM RESOURCE.

(C) TYPICAL TOPSOIL STOCKPILE PROJECTION DETAIL
N.T.S.

DEWATERING NOTES:

1. THE CONTRACTOR SHALL INSTALL, MAINTAIN, AND OPERATE ALL CHANNELS, SUMPS, AND ALL OTHER TEMPORARY DIVERSION AND PROTECTIVE WORKS NEEDED TO DIVERT FLOW AND OTHER SURFACE WATER THROUGH OR AROUND THE CONSTRUCTION SITE. CONTROL OF SURFACE WATER SHALL BE CONTINUOUS DURING THE PERIOD THAT DAMAGE TO CONSTRUCTION WORK COULD OCCUR.

2. OPEN EXCAVATIONS SHALL BE DEWATERED AND KEPT FREE OF STANDING WATER AND MUDDY CONDITIONS AS NECESSARY FOR THE PROPER EXECUTION OF THE WORK. THE CONTRACTOR SHALL FURNISH, INSTALL, OPERATE, AND MAINTAIN ALL DRAINS, SUMPS AND ALL OTHER EQUIPMENT REQUIRED TO PROPERLY DEWATER THE SITE. DEWATERING SYSTEMS THAT CAUSE A LOSS OF SOIL FINES FROM THE FOUNDATION AREAS WILL NOT BE PERMITTED.

3. NO SPOILS PILES TEMPORARY (UNATTENDED) OR PERMANENT SHALL BE LOCATED WITHIN 100 FEET OF ANY RESOURCE.

4. INSTALL DIVERSION DITCHES OR BERMS IF NECESSARY TO MINIMIZE THE AMOUNT OF CLEAN STORMWATER RUNOFF ALLOWED INTO THE EXCAVATED AREA.

5. REMOVAL OF WATER FROM THE CONSTRUCTION SITE SHALL BE ACCOMPLISHED SO THAT EROSION AND THE TRANSPORTING OF SEDIMENT AND OTHER POLLUTANTS ARE MINIMIZED.

6. DISCHARGE DEWATERING EFFLUENT TO STABILIZED AREAS AS INDICATED ON THE SITE GRADING PLAN. DISCHARGE SHALL BE DIRECTED TO APPROVED DEWATERING SYSTEM.

7. DEWATERING IN PERIODS OF INTENSE, HEAVY RAIN, WHEN THE INFILTRATIVE CAPACITY OF THE SOIL IS EXCEEDED, SHALL BE AVOIDED.

8. FLOW TO THE SEDIMENT REMOVAL PRACTICE OR DEWATERING SYSTEM MAY NOT EXCEED THE STRUCTURE'S CAPACITY TO SETTLE AND/OR FILTER FLOW OR THE STRUCTURE'S VOLUME CAPACITY.

9. WHEN TEMPORARY WORKS ARE NO LONGER NEEDED, THE CONTRACTOR SHALL REMOVE AND RETURN THE AREA TO A CONDITION SIMILAR TO THAT WHICH EXISTED BEFORE CONSTRUCTION. AREAS WHERE TEMPORARY WORKS WERE LOCATED SHALL BE GRADED FOR SIGHTLY APPEARANCE WITH NO OBSTRUCTION TO NATURAL SURFACE WATER FLOWS OR THE PROPER FUNCTIONING AND ACCESS TO THE WORKS OF IMPROVEMENT INSTALLED. THE CONTRACTOR SHALL EXERCISE EXTREME CARE DURING THE REMOVAL STAGES TO MINIMIZE DISTURBANCE AND THE LOSS OF SOIL SEDIMENT AND DEBRIS THAT WAS TRAPPED DURING CONSTRUCTION.

ISSUED FOR PERMITTING

12/22/2020

PE STAMP

STATE OF MAINE
ROSS A. CUDLITZ
LIC. # 5865
LICENSED PROFESSIONAL ENGINEER
ROSS A. CUDLITZ
WITH MY PERMISSION AND KNOWLEDGE, I AFFIX THIS ELECTRONIC SEAL & SIGNATURE DECEMBER 22, 2020

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EROSION CONTROL PLAN

SHEET 4 OF 6

MERRILL ROAD — LEWISTON, ME

BY	RAC	SCALE: NTS	FILE: 1085-0003-006 SH 004-P.dwg
CK		NO.	REV
APP		1085-0003-006 SH 004-P	0-0
DATE	12/22/2020		

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HOUSEKEEPING PLAN:
(MAINE DEP CHAPTER 500, APPENDIX C)

1. SPILL PREVENTION: CONTROLS MUST BE USED TO PREVENT POLLUTANTS FROM CONSTRUCTION AND WASTE MATERIALS STORED ON SITE TO ENTER STORMWATER, WHICH INCLUDES STORAGE PRACTICES TO MINIMIZE EXPOSURE OF THE MATERIALS TO STORMWATER. THE SITE CONTRACTOR OR OPERATOR MUST DEVELOP, AND IMPLEMENT AS NECESSARY, APPROPRIATE SPILL PREVENTION, CONTAINMENT, AND RESPONSE PLANNING MEASURES.

NOTE: ANY SPILL OR RELEASE OF TOXIC OR HAZARDOUS SUBSTANCES MUST BE REPORTED TO THE DEPARTMENT. FOR OIL SPILLS, CALL 1-800-482-0777 WHICH IS AVAILABLE 24 HOURS A DAY. FOR SPILLS OF TOXIC OR HAZARDOUS MATERIAL, CALL 1-800-452-4664 WHICH IS AVAILABLE 24 HOURS A DAY. FOR MORE INFORMATION, VISIT THE DEPARTMENT'S WEBSITE AT : HTTP://WWW.MAINE.GOV/DEP/SPILLS/EMERGSPILLRESP/

2. GROUNDWATER PROTECTION: DURING CONSTRUCTION, LIQUID PETROLEUM PRODUCTS AND OTHER HAZARDOUS MATERIALS WITH THE POTENTIAL TO CONTAMINATE GROUNDWATER MAY NOT BE STORED OR HANDLED IN AREAS OF THE SITE DRAINING TO AN INFILTRATION AREA. AN "INFILTRATION AREA" IS ANY AREA OF THE SITE THAT BY DESIGN OR AS A RESULT OF SOILS, TOPOGRAPHY AND OTHER RELEVANT FACTORS ACCUMULATES RUNOFF THAT INFILTRATES INTO THE SOIL. DIKES, BERMS, SUMPS, AND OTHER FORMS OF SECONDARY CONTAINMENT THAT PREVENT DISCHARGE TO GROUNDWATER MAY BE USED TO ISOLATE PORTIONS OF THE SITE FOR THE PURPOSES OF STORAGE AND HANDLING OF THESE MATERIALS. ANY PROJECT PROPOSING INFILTRATION OF STORMWATER MUST PROVIDE ADEQUATE PRE-TREATMENT OF STORMWATER PRIOR TO DISCHARGE OF STORMWATER TO THE INFILTRATION AREA, OR PROVIDE FOR TREATMENT WITHIN THE INFILTRATION AREA, IN ORDER TO PREVENT THE ACCUMULATION OF FINES, REDUCTION IN INFILTRATION RATE, AND CONSEQUENT FLOODING AND DESTABILIZATION.

SEE CHAPTER 500, APPENDIX D FOR LICENSE BY RULE STANDARDS FOR INFILTRATION OF STORMWATER.

NOTE: LACK OF APPROPRIATE POLLUTANT REMOVAL BEST MANAGEMENT PRACTICES (BMPS) MAY RESULT IN VIOLATIONS OF THE GROUNDWATER QUALITY STANDARD ESTABLISHED BY 38 M.R.S.A. §465-C(1).

3. FUGITIVE SEDIMENT AND DUST: ACTIONS MUST BE TAKEN TO ENSURE THAT ACTIVITIES DO NOT RESULT IN NOTICEABLE EROSION OF SOILS OR FUGITIVE DUST EMISSIONS DURING OR AFTER CONSTRUCTION. OIL MAY NOT BE USED FOR DUST CONTROL, BUT OTHER WATER ADDITIVES MAY BE CONSIDERED AS NEEDED. A STABILIZED CONSTRUCTION ENTRANCE (SCE) SHOULD BE INCLUDED TO MINIMIZE TRACKING OF MUD AND SEDIMENT. IF OFF-SITE TRACKING OCCURS, PUBLIC ROADS SHOULD BE SWEPT IMMEDIATELY AND NO LESS THAN ONCE A WEEK AND PRIOR TO SIGNIFICANT STORM EVENTS. OPERATIONS DURING DRY MONTHS, THAT EXPERIENCE FUGITIVE DUST PROBLEMS, SHOULD WET DOWN UNPAVED ACCESS ROADS AND UNVEGETATED AREAS ONCE A WEEK OR MORE FREQUENTLY AS NEEDED WITH A WATER ADDITIVE TO SUPPRESS FUGITIVE SEDIMENT AND DUST.

NOTE: DEWATERING A STREAM OR WETLAND AREA WITHOUT A PERMIT FROM THE DEPARTMENT MAY VIOLATE STATE WATER QUALITY STANDARDS AND THE NATURAL RESOURCES PROTECTION ACT.

4. DEBRIS AND OTHER MATERIALS: MINIMIZE THE EXPOSURE OF CONSTRUCTION DEBRIS, BUILDING AND LANDSCAPING MATERIALS, TRASH, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE AND OTHER MATERIALS TO PRECIPITATION AND STORMWATER RUNOFF. THESE MATERIALS MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE.

HOUSEKEEPING PLAN (CONT.):

NOTE: TO PREVENT THESE MATERIALS FROM BECOMING A SOURCE OF POLLUTANTS, CONSTRUCTION AND POST-CONSTRUCTION ACTIVITIES RELATED TO A PROJECT MAY BE REQUIRED TO COMPLY WITH APPLICABLE PROVISION OF RULES RELATED TO SOLID, UNIVERSAL, AND HAZARDOUS WASTE, INCLUDING, BUT NOT LIMITED TO, THE MAINE SOLID WASTE AND HAZARDOUS WASTE MANAGEMENT RULES; MAINE HAZARDOUS WASTE MANAGEMENT RULES; MAINE OIL CONVEYANCE AND STORAGE RULES; AND MAINE PESTICIDE REQUIREMENTS.

5. EXCAVATION DE-WATERING: EXCAVATION DE-WATERING IS THE REMOVAL OF WATER FROM TRENCHES, FOUNDATIONS, COFFER DAMS, PONDS, AND OTHER AREAS WITHIN THE CONSTRUCTION AREA THAT RETAIN WATER AFTER EXCAVATION. IN MOST CASES THE COLLECTED WATER IS HEAVILY SILTED AND HINDERS CORRECT AND SAFE CONSTRUCTION PRACTICES. THE COLLECTED WATER REMOVED FROM THE PONDED AREA, EITHER THROUGH GRAVITY OR PUMPING, MUST BE SPREAD THROUGH NATURAL WOODED BUFFERS OR REMOVED TO APPROVED DEWATERING SYSTEM, OR TO AREAS THAT ARE SPECIFICALLY DESIGNED TO COLLECT THE MAXIMUM AMOUNT OF SEDIMENT POSSIBLE, LIKE A COFFERDAM SEDIMENTATION BASIN. AVOID ALLOWING THE WATER TO FLOW OVER DISTURBED AREAS OF THE SITE. EQUIVALENT MEASURES MAY BE TAKEN IF APPROVED BY THE DEPARTMENT.

NOTE: DEWATERING CONTROLS ARE DISCUSSED IN THE "MAINE EROSION AND SEDIMENT CONTROL BMPS, MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION."

6. AUTHORIZED NON-STORMWATER DISCHARGES: IDENTIFY AND PREVENT CONTAMINATION BY NON-STORMWATER DISCHARGES. WHERE ALLOWED NON-STORMWATER DISCHARGES EXIST, THEY MUST BE IDENTIFIED AND STEPS SHOULD BE TAKEN TO ENSURE THE IMPLEMENTATION OF APPROPRIATE POLLUTION PREVENTION MEASURES FOR THE NON-STORMWATER COMPONENT(S) OF THE DISCHARGE. AUTHORIZED NON-STORMWATER DISCHARGES ARE:

(a) DISCHARGES FROM FIREFIGHTING ACTIVITY;

(b) FIRE HYDRANT FLUSHINGS;

(c) VEHICLE WASHWATER IF DETERGENTS ARE NOT USED AND WASHING IS LIMITED TO THE EXTERIOR OF VEHICLES (ENGINE, UNDERCARRIAGE AND TRANSMISSION WASHING IS PROHIBITED);

(d) DUST CONTROL RUNOFF IN ACCORDANCE WITH PERMIT CONDITIONS AND APPENDIX (C)(3);

(e) ROUTINE EXTERNAL BUILDING WASHDOWN, NOT INCLUDING SURFACE PAINT REMOVAL, THAT DOES NOT INVOLVE DETERGENTS;

(f) PAVEMENT WASHWATER (WHERE SPILLS/LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE NOT OCCURRED, UNLESS ALL SPILLED MATERIAL HAD BEEN REMOVED) IF DETERGENTS ARE NOT USED;

(g) UNCONTAMINATED AIR CONDITIONING OR COMPRESSOR CONDENSATE;

(h) UNCONTAMINATED GROUNDWATER OR SPRING WATER;

(i) FOUNDATION OR FOOTER DRAIN-WATER WHERE FLOWS ARE NOT CONTAMINATED;

(j) UNCONTAMINATED EXCAVATION DEWATERING (SEE REQUIREMENTS IN APPENDIX C(5));

(k) POTABLE WATER SOURCES INCLUDING WATERLINE FLUSHINGS; AND

(l) LANDSCAPE IRRIGATION.

7. UNAUTHORIZED NON-STORMWATER DISCHARGES: THE DEPARTMENT'S APPROVAL UNDER THIS CHAPTER DOES NOT AUTHORIZE A DISCHARGE THAT IS MIXED WITH A SOURCE OF NON STORMWATER, OTHER THAN THOSE DISCHARGES IN COMPLIANCE WITH CHAPTER 500, APPENDIX C (6). SPECIFICALLY, THE DEPARTMENT'S APPROVAL DOES NOT AUTHORIZE DISCHARGES OF THE FOLLOWING:

(a) WASTEWATER FROM THE WASHOUT OR CLEANOUT OF CONCRETE, STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS OR OTHER CONSTRUCTION MATERIALS;

(b) FUELS, OILS OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE;

(c) SOAPS, SOLVENTS, OR DETERGENTS USED IN VEHICLE AND EQUIPMENT WASHING; AND

(d) TOXIC OR HAZARDOUS SUBSTANCES FROM A SPILL OR OTHER RELEASE.

8. ADDITIONAL REQUIREMENTS: ADDITIONAL REQUIREMENTS MAY BE APPLIED ON A SITE-SPECIFIC BASIS.

ISSUED FOR PERMITTING

12/22/2020

PE STAMP

STATE OF MAINE
ROSS A. CUDLITZ
LIC. # 5865
REGISTERED PROFESSIONAL ENGINEER

WITH MY PERMISSION AND KNOWLEDGE, I AFFIX THIS ELECTRONIC SEAL & SIGNATURE DECEMBER 22, 2020

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EROSION CONTROL PLAN

SHEET 5 OF 6

MERRILL ROAD — LEWISTON, ME

BY	RAC	SCALE: NTS	FILE: 1085-0003-006 SH 005-P.dwg
CK		NO.	REV
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CONSTRUCTION SEQUENCE:

THE SITE CONTRACTOR SHALL DEVELOP A SITE-SPECIFIC CONSTRUCTION SEQUENCE PLAN, TO BE SUBMITTTED TO THE MAINE DEPARTMENT OF ENVIROMENTAL PROTECTION PRIOR TO CONSTRUCTION. AT A MINIMUM, THE PLAN MUST INCLUDE THE FOLLOWING ELEMENTS.

1. ESTABLISH CONSTRUCTION WORKSPACE LIMITS; IDENTIFY AND MARK SENSITIVE RESOURCES.
2. PERFORM ALL WORK IN ACCORDANCE WITH MAINE EROSION AND SEDIMENT CONTROL PRACTICES FIELD GUIDE FOR CONTRACTORS (2015).
3. PRIOR TO USAGE, CONSTRUCT AND STABILIZE THE CONSTRUCTION ENTRANCE ON THE EXISTING PERMANENT ACCESS ROAD WITH A STONE PAD, MUD RACK, OR OTHER MATERIALS USED TO REDUCE THE TRACKING OR FLOWING OF SEDIMENT OFF THE SITE AND MAINTAIN UNTIL PAVING IS COMPLETED.
4. CLEAR TIMBER AND BRUSH; DO NOT GRUB UNTIL JUST PRIOR TO PRELIMINARY GRADING AND ESTABLISHMENT AND STABILIZATION OF TEMPORARY OR PERMANENT DRAINAGE COURSES.
5. INSTALL AND MAINTAIN SEDIMENT BARRIERS SUCH AS SILT FENCING AND/OR OTHER EROSION CONTROL BARRIERS ALONG THE DOWNHILL LIMIT OF WORK, AS SHOWN ON THE DRAWINGS. SEDIMENT BARRIER LOCATIONS MAY BE ADJUSTED IN THE FIELD BASED ON SITE CONDITIONS AS DETERMINED BY THE ENGINEERING INSPECTOR. WHERE SILT FENCE CANNOT BE TOED-IN PROPERLY DUE TO TREE ROOTS, ROCKS OR FROZEN GROUND, HAY BALES OR AN EROSION CONTROL MIX BERM MAY BE SUBSTITUTED. SILT FENCING WILL BE INSTALLED AFTER CLEARING BUT PRIOR TO GRUBBING AND GRADING ACTIVITIES. ANY EROSION ISSUES DEVELOPED DURING CLEARING WILL BE TEMPORARILY STABILIZED AS NECESSARY.
6. INSTALL THE SEDIMENT BASIN CONTROL STRUCTURE AND OUTLET PIPING AND GRADE THE SEDIMENT BASIN AND SURROUNDING AREA TO PROPOSED PLAN GRADES UP TO ELEVATION 312' SUCH THAT RUNOFF FROM UPSTREAM DISTURBANCES MAY FLOW INTO THE BASIN.
7. STABILIZE PERMANENT ACCESS ROAD SURFACE, PARKING AREAS AND EQUIPMENT STORAGE AND LAYDOWN AREAS WITH MATTING, CRUSHED STONE OR GRAVEL SUBBASE AS NECESSARY TO MINIMIZE RUTTING AND AVOID PONDING.
8. CONCURRENT WITH INITIATION OF SITE GRADING, CONSTRUCT AND STABILIZE TEMPORARY DRAINAGE SWALES, DIVERSION BERMS, CHECK DAMS, AND CULVERTS WITH TEMPORARY INLET AND OUTLET STRUCTURES TO MINIMIZE SEDIMENT IN SITE RUNOFF DURING THE CONSTRUCTION OF THE ROADWAY. DEWATER IN ACCORDANCE WITH DEWATERING NOTES ON DRAWING 1076-003-005 SHEET 5 OF 6.
9. INSTALL PROPERLY SPACED STONE CHECK DAMS IN ANY SECTION OF DITCH WITHIN 24 HOURS OF FORMING, SHAPING OR ROUGH GRADING THAT SECTION OF DITCH.
10. MINIMIZE THE AMOUNT OF DISTURBANCE AT ANY ONE TIME BY STAGING CONSTRUCTION AS MUCH AS PRACTICAL FOR EFFICIENT CONSTRUCTION OF THE FACILITY. NATURAL VEGETATIVE BUFFERS OR STRIPS SHOULD BE LEFT IN PLACE WHERE FEASIBLE TO AID IN SEDIMENT RETENTION AND REDUCE EROSION POTENTIAL.
11. STABILIZE ANY NEWLY GRADED SLOPE GREATER THAN EIGHT PERCENT AND ANY SECTION OF NEWLY CONSTRUCTED DITCH USING ANCHORED EROSION CONTROL BLANKETS OR OTHER APPROVED MULCHING TECHNIQUES WITHIN 24 HOURS. STABILIZE ANY SLOPE EXCEEDING EIGHT PERCENT AND BROUGHT TO FINAL GRADE WITHIN 24 HOURS USING ANCHORED EROSION CONTROL BLANKETS OR EROSION CONTROL MIX APPLIED IN ACCORDANCE WITH MAINE EROSION AND SEDIMENT PRACTICES FIELD GUIDE FOR CONTRACTORS (2015). STABILIZE ANY SECTION OF DITCH BROUGHT TO FINAL GRADE WITHIN 24 HOURS USING THE APPROVED PERMANENT STABILIZATION MEASURES FOR DITCHES.
12. DUST CONTROL METHODS WILL BE EMPLOYED AFTER GRADING AND PRIOR TO FINAL STABILIZATION TO PREVENT THE BLOWING AND MOVEMENT OF DUST THROUGH THE APPLICATION OF WATER AND/OR CALCIUM CHLORIDE TO REDUCE WIND EROSION. REPETITIVE TREATMENT WILL BE APPLIED AS NEEDED TO ACCOMPLISH CONTROL.
13. APPLY TEMPORARY SEED AND MULCH TO ANY EXPOSED AREAS WHERE ACTIVITY IS NOT ANTICIPATED FOR 30 DAYS OR MORE, OR WHERE ACTIVITY HAS NOT OCCURRED WITHIN 30 DAYS. TEMPORARILY MULCH ANY EXPOSED AREAS WHERE ACTIVITY IS NOT ANTICIPATED OR HAS NOT OCCURRED IN 7 DAYS.
14. REMOVE EXCESS SPOILS FROM SITE THAT WILL NOT BE USED FOR THE FINAL DESIGN AND STABILIZATION. STOCKPILED SOILS THAT REMAIN IN PLACE FOR 48 HOURS OR MORE WILL BE CONTAINED WITH SEDIMENT BARRIERS SUCH AS SILT FENCE, HAY BALES OR EQUIVALENT. THE SEDIMENT BARRIERS SHALL BE ADEQUATELY LOCATED AND REINFORCED TO HANDLE A SIGNIFICANT RAIN EVENT AND THE POTENTIAL SLUMPING OF THE PILE. BETWEEN MAY 1 AND OCTOBER 15, APPLY TEMPORARY SEED AND MULCH TO A STOCKPILE THAT IS NOT EXPECTED TO BE DISTURBED WITHIN 30 DAYS. APPLY ANCHORED MULCH DAILY, AS NEEDED, DURING WINTER CONSTRUCTION.
15. INSPECT AND REPAIR EROSION CONTROL MEASURES DAILY IN AREAS OF ACTIVE CONSTRUCTION; OTHERWISE WEEKLY AND AFTER RAINFALL OF 1/2" OR GREATER WITHIN A 24-HOUR PERIOD. REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES 1/3 THE HEIGHT OF THE BARRIER.
16. MONITOR PUBLIC ROADS FOR SIGNS OF TRACKING OR SPILLING OF SPOIL MATERIAL AND CLEAN UP AS NEEDED.
17. COMPLETE FINAL GRADING AND STABILIZATION OF EARTHEN STRUCTURES SUCH AS DIVERSION BERMS, DITCH TURNOUTS AND SWALES THAT WILL CONTROL RUNOFF. LOWER THE TEMPORARY SEDIMENT BASIN INLET GRATE TOP TO THE FINAL PROPOSED PLAN ELEVATION.
18. FINISH GRADE AND REPLACE TOPSOIL OR LOAM IN DISTURBED AREAS. SEED AND MULCH DISTURBED AREAS WITHIN 6 DAYS OF FINAL GRADING.
19. MAINTAIN ALL TEMPORARY EROSION CONTROLS AND SEDIMENT BARRIERS UNTIL VEGETATION HAS BEEN ESTABLISHED OVER 85-90% OF THE AREA TO BE RE-VEGETATED. RESEED SPARSELY VEGETATED AREAS.
20. REMOVE ALL TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES ONCE THE SITE IS PERMANENTLY STABILIZED.

FERTILIZER AND LIMESTONE REQUIREMENTS:

THE FERTILIZER AND LIME APPLICATION RATES SHALL BE DETERMINED USING THE SITE-SPECIFIC SOIL TEST RESULTS.

MULCH AND SEEDING SPECIFICATIONS

SUMMARY OF TEMPORARY AND PERMANENT MULCH APPLICATION REQUIREMENTS

CONDITION	TIMING	MULCH TYPE[1,2]	APPLICATION RATES
TEMPORARY			
	IF NO ACTIVITY IN EXPOSED AREAS FOR 7 DAYS, OR PRIOR TO A STORM EVENT	STRAW MULCH OR WOOD FIBER MULCH	2 TONS/ACRES 2000 LB./ACRES
ALL DISTRIBUTED AREAS OF THE CONSTRUCTION WORKSPACE	APPLY MULCH TO ALL EXPOSED AREAS IF NO ACTIVITY OCCURS WITHIN 30 DAYS. APPLY MULCH AND TEMPORARY SEEDING SOONER WHEN IT CAN BE ANTICIPATED THAT ACTIVITY IS NOT GOING TO OCCUR WITHIN 30 DAYS.	STRAW MULCH OR WOOD FIBER MULCH	2 TONS/ACRES 2000 LB./ACRES [3]
ALL WORK AREAS EXPOSED ARE TO BE MULCHED DAILY EACH TIME SOIL IS DISTURBED	OCTOBER 1 AND APRIL 1	STRAW MULCH OR WOOD FIBER MULCH	3 TONS/ACRES 2000 LB./ACRES
PERMANENT			
ON ALL EXPOSED AREAS AFTER SEEDING TO STABILIZE THE SOIL SURFACE	PERMANENT GRASS AND/OR LEGUME SEEDING COVERED BY HAY OR STRAW MULCH ON ALL AREAS THAT HAVE BEEN RESTORED TO FINAL GRADE. THIS DOES NOT APPLY TO AREAS STABILIZED BY OTHER MEANS SUCH AS JUTE MATTING OR PERMANENT EROSION CONTROL MIX.	CRIMPED STRAW MULCH OR PAPER MULCH OR WOOD FIBER MULCH	2 TONS/ACRES 1500 LB./ACRES [4] 2000 LB./ACRES
WOOD CHIP APPLICATION AREAS	PERMANENT GRASS AND/OR LEGUME SEEDING COVERED BY HAY OR STRAW MULCH ON ALL AREAS THAT HAVE BEEN RESTORED TO FINAL GRADE. THIS DOES NOT APPLY TO AREAS STABILIZED BY OTHER MEANS SUCH AS EROSION CONTROL MATTING OR PERMANENT EROSION CONTROL MIX.	CRIMPED STRAW MULCH OR PAPER MULCH OR WOOD FIBER MULCH	2 TONS/ACRES 1500 LB./ACRES [4] 2000 LB./ACRES

NOTES:
1. STRAW AND HAY MULCH MAY BE USED INTERCHANGEABLY, EXCEPT IN WETLAND AREAS WHERE STRAW MULCH WILL BE REQUIRED.
2. DOUBLE RATE OF WOOD FIBER MULCH WHEN USED IN CRITICAL AREAS.
3. STRAW, HAY, OR HYDROMULCH (WOOD FIBER OR PAPER MULCH AS APPROPRIATE) WILL PROVIDE 90 PERCENT GROUND COVERAGE
4. PAPER MULCH IS ACCEPTABLE FOR USE DURING THE GROWING SEASON. ON SLOPES GREATER THAN 30 PERCENT AND IN AREAS WHERE VEGETATION HAS NOT ESTABLISHED WELL, ADDITIONAL HAY MULCH WILL BE ADDED AS A WINTERIZING MEASURE.

MULCH ANCHORING REQUIREMENTS

ON SLOPES GREATER THAN 3 PER CENT, HAY OR STRAW MULCH WILL BE FIRMLY ANCHORED INTO THE SOIL UTILIZING ONE OF THE FOLLOWING METHODS:
- CRIMPING WITH A STRAIGHT OR NOTCHED MULCH CRIMPING TOOL (FARM DISCS WILL NOT BE ALLOWED);
- TRACK WALKING WITH DEEP-CLEATED EQUIPMENT OPERATING UP AND DOWN THE SLOPE (MULCH CRIMPED PERPENDICULAR TO THE SLOPE) ON SLOPES LESS THAN 25 PERCENT;
- APPLICATION OF MULCH NETTING;
- APPLICATION OF 500 LB./ACRE OF WOOD FIBER MULCH OVER STRAW/HAY MULCH; AND
- COMMERCIALLY AVAILABLE TACKIFIERS (EXCEPT WITHIN 100 FEET OF WATERBODIES OR WETLANDS). SHALL BE USED ON ALL SLOPES STEEPER THAN 8%

SUMMARY OF SEEDING REQUIREMENTS

CONDITION	TIMING [1,2]	SEED MIX
TEMPORARY SEEDING [3]	TEMPORARY SEED BETWEEN APRIL 1 AND OCTOBER 1 ONLY. DISTURBED AREAS OR SPOIL STOCKPILES WILL BE SEEDED IMMEDIATELY IF FURTHER DISTURBANCE IS NOT EXPECTED FOR 30 DAYS OR MORE.	ANNUAL RYEGRASS (4/1 – 7/1) WINTER RYE (8/15 – 10/1)
PERMANENT SEEDING [3,4]		
UPLAND PORTIONS OF THE CONSTRUCTION AREA	DISTURBED AREA WILL BE SEEDED WITHIN 6 DAYS OF FINAL GRADING.	PERMANENT UPLAND MIX
SLOPES GREATER THAN 3:1	DISTURBED AREA WILL BE SEEDED IMMEDIATELY AFTER SEEDBED PREPARATION.	PERMANENT UPLAND MIX
WETLANDS	DISTURBED WETLANDS WILL BE SEEDED WITHIN 6 DAYS OF FINAL GRADING.	ANNUAL RYEGRASS
WOOD CHIP APPLICATION AREAS	DISTURBED AREA WILL BE SEEDED WITHIN 6 DAYS OF FINAL GRADING.	WOODCHIP APPLICATION SEED MIX
WINTER DORMANT SEEDING	DORMANT SEED BETWEEN OCTOBER 15 AND MAY 1 ONLY. NO SEEDING WILL OCCUR IF SNOW DEPTHS EXCEED 1 INCH.	PERMANENT UPLAND MIX PLUS WINTER RYEGRASS

NOTES:
1. WEATHER CONDITIONS PERMITTING.
2. AREAS THAT DO NOT SUCCESSFULLY REVEGETATE WITHIN APPROPRIATE PERIOD OF TIME WILL BE RESEEDED AS NECESSARY.
3. LOOSEN COMPACTED SOIL TO A MINIMUM DEPTH OF 4 INCHES.
4. TOP DRESS WITH 6 INCHES LOAM, AS NEEDED.

SEED MIX SPECIFICATIONS

SEED MIX NAME	SEED MIX COMPONENTS	LB./ACRE[1]
TEMPORARY SEED MIX	ANNUAL RYEGRASS	40
PERMANENT UPLAND SEED MIX	REDTOP CREEPING RED FESCUE TALL FESCUE BIRDSFOOT TREFOIL	4 40 40 16
WOOD CHIP APPLICATION SEED MIX	CREEPING RED FESCUE REDTOP TALL FESCUE CROWNVETCH	20 4 30 30
WETLAND SEED MIX	ANNUAL RYEGRASS	40
SUPPLEMENTAL WINTER SEED MIX[2]	WINTER RYEGRASS	120

NOTES:
1. INCREASE SEEDING RATES 10% WHEN HYDROSEEDING
2. WINTER RYE WILL BE ADDED TO PERMANENT UPLAND MIX AT A RATE OF 120 LB./ACRE BETWEEN OCTOBER 1 AND APRIL 1.

FALL/WINTER SEEDING AND STABILIZATION

IN ACCORDANCE WITH THE MAINE EROSION AND SEDIMENTATION CONTROL BMP MANUAL, PLEASE NOTE THE FOLLOWING:

BY SEPTEMBER 1 OF EACH YEAR OF CONSTRUCTION –

ALL GRASS-LINED DITCHES AND CHANNELS SHALL BE CONSTRUCTED AND STABILIZED. ALL SLOPES GREATER THAN 7:1 TO BE VEGETATED SHALL BE SEEDED AND MULCHED (PAST SEPTEMBER 15, EROSION CONTROL BLANKET SHOULD BE USED ON SLOPES GREATER THAN 8%, AND ON SIDE SLOPES OF DITCHES. IF THIS IS NOT COMPLETED THEN:

BY SEPTEMBER 15 OF EACH YEAR OF CONSTRUCTION –

ALL REMAINING DISTURBED SOILS HAVING A SLOPE LESS THAN 8% SHALL BE SEEDED AND MULCHED. IF THIS IS NOT COMPLETED THEN:

BY OCTOBER 1 OF EACH YEAR OF CONSTRUCTION –

SOD SHALL BE PLACED IN ALL DITCH CHANNELS WHERE VEGETATION HAS NOT BEEN ESTABLISHED. SOD SHALL EXTEND TO A HEIGHT OF ONE FOOT ABOVE DITCH CHANNEL BOTTOM. ALL SLOPES AND DISTURBED SOILS SHALL BE SEEDED TO A WINTER COVER CROP AS SHOWN ON THIS DRAWING. SLOPES LESS THAN 8% SHALL BE MULCHED WITH HAY OR STRAW AT A RATE OF 75 LBS PER 1000 SF AND ANCHORED WITH EROSION CONTROL BLANKET. IF THE RYE FAILS TO GROW AT LEAST THREE INCHES OR FAILS TO COVER AT LEAST 75% OF THE DISTURBED SOIL BY NOVEMBER 1, OR IF SOD IS NOT PLACED IN THE APPROPRIATE DITCH CHANNELS, THEN:

BY NOVEMBER 1 OF EACH YEAR OF CONSTRUCTION –

THE DITCH SHALL BE LINED WITH STONE RIPRAP. THE SLOPE SHALL BE COVERED WITH EROSION CONTROL MIX OR STONE RIPRAP AND ALL REMAINING DISTURBED SOILS SHALL BE STABILIZED WITH SOD, OR ALTERNATIVELY:

BY OCTOBER 1 OF EACH YEAR OF CONSTRUCTION –

THE DISTURBED SOIL SHALL BE MULCHED AT THE WINTER RATE (TWICE THE NORMAL RATE) AND ANCHORED PROPERLY.

THE WINTER CONSTRUCTION PERIOD IS FROM NOVEMBER 1 TO APRIL 15.

a. WINTER EXCAVATION AND EARTHWORK SHALL BE COMPLETED SUCH THAT NO MORE THAN 1 ACRE OF THE SITE IS WITHOUT STABILIZATION AT ANY ONE TIME. THE EXPOSED AREA SHALL BE LIMITED TO THAT IN WHICH WORK IS TO OCCUR DURING THE FOLLOWING 15 DAYS AND THOSE AREAS THAT CAN BE MULCHED IN ONE DAY PRIOR TO ANY SNOW EVENT.

b. HAY MULCH SHALL BE APPLIED TO A DEPTH OF 4 INCHES (150 LBS. PER 1000 SF).

c. AFTER EACH DAY OF FINAL GRADING, ANY DISTURBED AREA SHALL BE STABILIZED WITH ANCHORED MULCH OR EROSION CONTROL MESH. NO GROUND SURFACE SHOULD BE VISIBLE THROUGH THE MULCH.

d. SOIL STOCKPILES SHALL BE MULCHED AT WINTER RATES WITHIN 24 HOURS OF STOCKING AND REESTABLISHED PRIOR TO RAIN OR SNOWFALL. NO STOCKPILES SHALL BE PLACE WITHIN 100 FEET OF LAKES, STREAMS, WETLANDS, OR OTHER NATURAL RESOURCES.

e. ANY AREAS WITHIN 100 FEET FROM ANY NATURAL RESOURCES (WETLAND, RIVER, STREAM OR BROOK), IF NOT STABILIZED WITH A MINIMUM OF 75% MATURE VEGETATION CATCH, SHALL BE MULCHED BY OCTOBER 1 AND ANCHORED WITH PLASTIC NETTING OR PROTECTED WITH AN EROSION CONTROL COVER. DURING WINTER CONSTRUCTION, A DOUBLE ROW OF SEDIMENT BARRIERS (SILT FENCE BACKED WITH HAYBALES) SHALL BE PLACED BETWEEN THE DISTURBED AREA AND THE NATURAL RESOURCE.

ISSUED FOR PERMITTING

12/22/2020

PE STAMP

STATE OF MAINE
ROSS A. CUDLITZ
LIC. # 5865
REGISTERED PROFESSIONAL ENGINEER
Ross A. Cudlitz, P.E.

WITH MY PERMISSION AND KNOWLEDGE, I AFFIX THIS ELECTRONIC SEAL & SIGNATURE DECEMBER 22, 2020

AVANGRID ENGINEERING
CONFIDENTIAL, PROPRIETARY and TRADE SECRET INFORMATION
Property of AVANGRID

CMP AVANGRID

REV	DESCRIPTION	DATE	BY	CK	APP

EROSION CONTROL PLAN

SHEET 6 OF 6

MERRILL ROAD LEWISTON, ME

BY	RAC	SCALE: NTS	FILE: 1085-0003-006 SH 006-P.dwg
CK		NO.	REV
APP		1085-0003-006 SH 006-P	0-0
DATE	12/22/2020		

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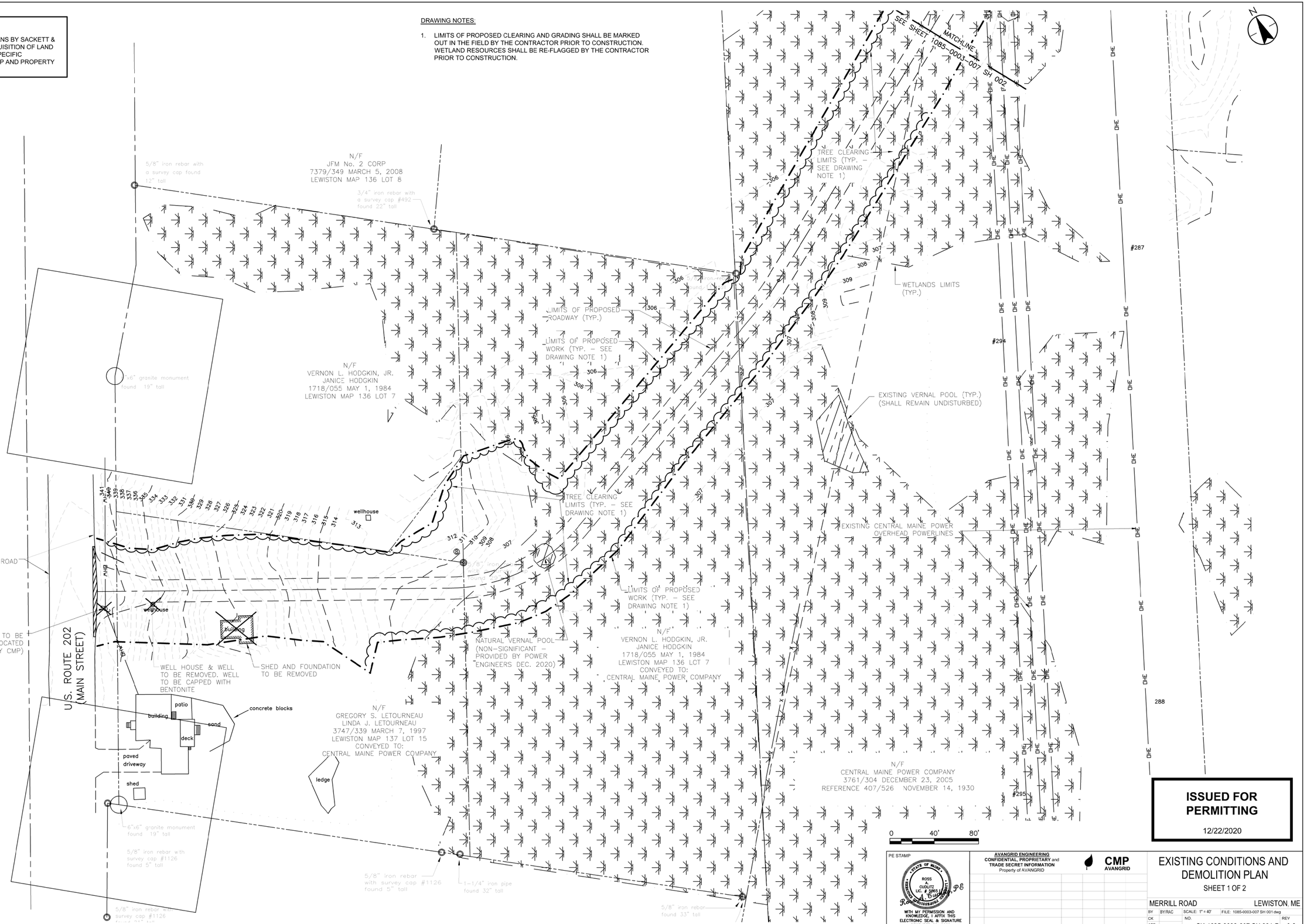
PROPERTY RIGHTS NOTE:

REFER TO BOUNDARY SURVEY PLANS BY SACKETT & BRAKE SURVEY INC. FOR THE ACQUISITION OF LAND BY CENTRAL MAINE POWER FOR SPECIFIC INFORMATION ON LAND OWNERSHIP AND PROPERTY LIMITS.

DRAWING NOTES:

1. LIMITS OF PROPOSED CLEARING AND GRADING SHALL BE MARKED OUT IN THE FIELD BY THE CONTRACTOR PRIOR TO CONSTRUCTION. WETLAND RESOURCES SHALL BE RE-FLAGGED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.



ISSUED FOR PERMITTING

12/22/2020

PE STAMP

STATE OF MAINE
ROSS A. CUDLITZ
L.C. # 5265
REGISTERED PROFESSIONAL ENGINEER
Ross A. Cudlitz, P.E.

WITH MY PERMISSION AND KNOWLEDGE, I AFFIX THIS ELECTRONIC SEAL & SIGNATURE
DECEMBER 22, 2020

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CMP AVANGRID

REV	DESCRIPTION	DATE	BY	CK	APP

EXISTING CONDITIONS AND DEMOLITION PLAN

SHEET 1 OF 2

MERRILL ROAD — LEWISTON, ME

BY	BY:RAC	SCALE: 1" = 40'	FILE: 1085-0003-007 SH 001.dwg
CK		NO.	REV
APP		SK-1085-0003-007 SH 001-P	0-0
DATE: 12/22/2020			

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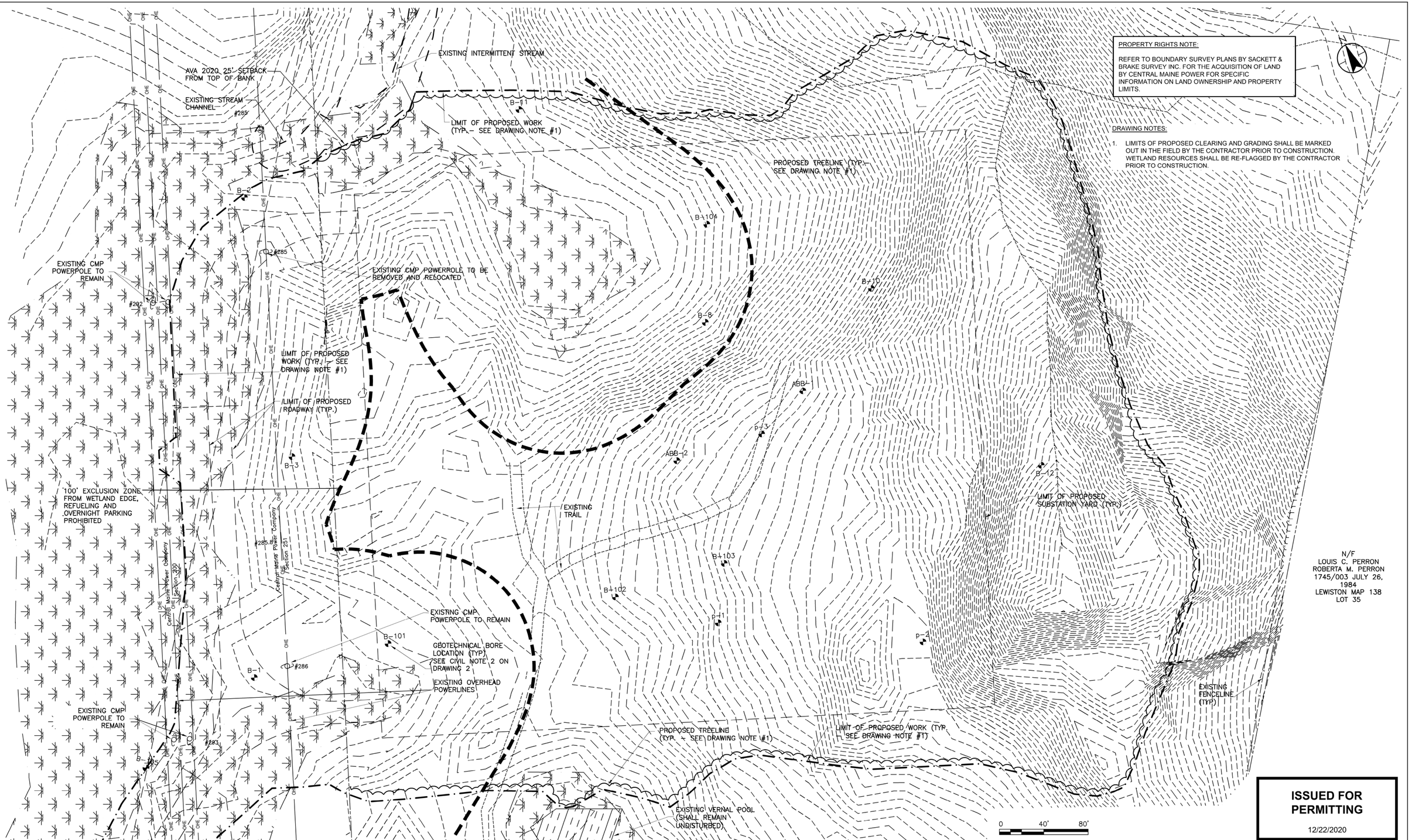

PROPERTY RIGHTS NOTE:

REFER TO BOUNDARY SURVEY PLANS BY SACKETT & BRAKE SURVEY INC. FOR THE ACQUISITION OF LAND BY CENTRAL MAINE POWER FOR SPECIFIC INFORMATION ON LAND OWNERSHIP AND PROPERTY LIMITS.

DRAWING NOTES:

1. LIMITS OF PROPOSED CLEARING AND GRADING SHALL BE MARKED OUT IN THE FIELD BY THE CONTRACTOR PRIOR TO CONSTRUCTION. WETLAND RESOURCES SHALL BE RE-FLAGGED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

ISSUED FOR PERMITTING

12/22/2020

PE STAMP

STATE OF MAINE
ROSS A. CUDLITZ
LIC. # 6804
PROFESSIONAL ENGINEER
Ross A. Cudlitz, PE

WITH MY PERMISSION AND KNOWLEDGE, I AFFIX THIS ELECTRONIC SEAL & SIGNATURE DECEMBER 22, 2020

AVANGRID ENGINEERING
CONFIDENTIAL, PROPRIETARY and **TRADE SECRET INFORMATION**
Property of AVANGRID

CMP AVANGRID

REV	DESCRIPTION	DATE	BY	CK	APP

EXISTING CONDITIONS AND DEMOLITION PLAN

SHEET 2 OF 2

MERRILL ROAD — LEWISTON, ME

BY	RAC	SCALE: 1" = 40'	FILE: 1085-0003-007 SH 002.dwg
CK		NO.	REV
APP		1085-0003-007 SH 002-P	0-0
DATE: 12/22/2020			

Exhibit 12-2: Kennebec River Crossing Termination Stations Stormwater Management Report

STORMWATER MANAGEMENT REPORT
FOR THE
CENTRAL MAINE POWER COMPANY
NEW ENGLAND CLEAN ENERGY CONNECT (NECEC)
KENNEBEC RIVER CROSSING TERMINATION STATIONS

Location:

West Forks Plantation & Moxie Gore
Somerset County, Maine

Owner:

CENTRAL MAINE POWER

Central Maine Power Company
83 Edison Drive
Augusta, Maine 04336

STATE OF MAINE
JUSTIN E. CREE
No. 16348
7/17/20
LICENSED
PROFESSIONAL ENGINEER

Prepared by:

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Document # 1094-DD-030-001

May 2020
Revised 5-29-2020
Revised 7-16-2020

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*General Note of Report Contents: Much of this stormwater report has been reproduced from a previous version with the stormwater calculations updated to reflect the changes in proposed structures and coverage within the project boundaries. That previous report was completed in October of 2018 by TRC of 6 Ashley Drive, Scarborough, ME 04074.

Introduction

The purpose of this report is to show the methodology for stormwater analysis and that the construction of the new HDD Termination Stations will comply with the applicable Maine Department of Environmental Protection (MDEP) Chapter 500 stormwater management requirements.

The HDD Termination Stations will be located within the transmission line right of way on both sides of the Kennebec River Gorge. A termination station is required for each side of the crossing to convert the transmission line from overhead to underground. The eastern termination station will be located in Moxie Gore, Somerset County, Maine, and the western termination station will be located in West Forks Plantation, Somerset County, Maine, as shown on the plans.

The termination stations will be identical in size, measuring 175 feet x 195 feet and will be built to substation yard specifications. Each termination station will have a gravel access road constructed which will connect to existing logging roads.

The new termination stations will be located on sites that are primarily thickly wooded with some scrub/shrub vegetation.

At the West Forks Station, approximately 6.75 acres of right of way will be disturbed during construction. The land disturbance will be required for the access road, termination station and the temporary working platform/laydown yard for the HDD receiving site.

Following construction, approximately 5.55 acres of the disturbed area will be restored and revegetated. Approximately 1.2 acres will remain as a permanently developed area and will contain the new termination station yard, access road, and associated impervious areas (foundations and steel structures).

For the Moxie Gore Station, approximately 3.86 acres of right of way will be disturbed during construction. The land disturbance will be required for the access road, termination station and the temporary working platform for the HDD drill operations site.

Following construction, approximately 2.86 acres of the disturbed area will be restored and revegetated. Approximately 1.0 acre will remain as a permanently developed area and will contain the new termination station yard, access road, and associated impervious areas (foundations and steel structures).

Surface Water, Downstream Ponds and Lakes on or Abutting the Site

There are no water bodies on the project site. The Kennebec River is approximately 1,500 feet from both sites.

As defined in Chapter 502 of the Maine Stormwater Code, the termination stations are not located in the watershed of a “Lake Most at Risk from Development” or an “Urban Impaired Stream”. The two sites are located on either side of the Kennebec River as shown in Appendix D, Drainage Area Maps.

Existing Conditions and Topography

The existing condition of the land surface for the West Forks Station site ranges from 5 to 25 percent slope, is well vegetated with a mix of trees and dense brush and generally

draining from northeast to southwest. Elevations across the site range from approximately 900 to 970 feet above mean sea level.

The topography of the land surface for the Moxie Gore Station site ranges from 5 to 25 percent slope, is well vegetated with a mix of trees and dense brush and generally draining from east to west. Elevations across the area site range from approximately 860 to 920 feet above mean sea level.

Contour information for both sites were obtained from LiDAR data provided by CMP/BV.

An USDA-NRCS Soils Survey Map is provided in Appendix B.

Floodplains

In review of online FEMA mapping, there are no apparent flooding concerns for the two Termination Stations locations. The stations are located within an unmapped area of Maine.

Alterations to Natural Drainage Ways

There are no planned alterations to natural drainage ways.

Land Cover Changes in the Delineated Drainage Areas

The West Forks Station and associated access road will consist of approximately 1.2 acre of new impervious areas (gravel roads, foundations, and concrete pads). The crushed stone switchyard will cover approximately an additional 0.87 acre.

The Moxie Gore Station and associated access road will consist of approximately 1.0 acre of new impervious areas (gravel roads, foundations, and concrete pads). The crushed stone switchyard will cover approximately an additional 0.87 acre.

A summary of the pre- and post-development cover types within the sub drainage area analyzed is presented in Table 1. The areas used for the stormwater analysis are larger than the proposed limits of disturbance that are stated in the Introduction section of this report.

Table 1. West Forks Station – Drainage Area Cover Types

Cover Type	CN Value	Pre-Dev Area (ac)	Post-Dev Area (ac)
Brush, HSG B	67	0.14	0.00
Meadow, HSG B	58	0.00	0.34
Woods, HSG B	66	9.83	8.60
Foundations	98	0.00	0.01
Stone Yard	55*	0.00	0.86
Gravel, HSG B	96	0.00	0.16
Total		**9.97**	**9.97**

*This cover CN value is based upon an agreed up number of 55 as outlined in the letter

Table 2. Moxie Gore Station - Drainage Area Cover Types

Cover Type	CN Value	Pre-Dev Area (ac)	Post-Dev Area (ac)
Brush, HSG B	67	2.46	0.00
Meadow, HSG B	58	0.00	2.31
Woods, HSG B	66	11.90	11.03
Foundations	98	0.00	0.01
Stone Yard	55*	0.00	0.86
Gravel, HSG B	96	0.17	0.32
Total		**14.53**	**14.53**

Hydraulic Modeling Methodology

The stormwater runoff was estimated using HydroCAD, Version 10.0. HydroCAD is based on methodologies developed by the United States Department of Agriculture Soil Conservation Service (USDA-SCS), namely Urban Hydrology for Small Watersheds, Technical Release 55 and Technical Release 20 (TR-55 and TR-20).

The pre- and post-development sub drainage area boundaries and hydrologic flow lines used to determine the times of concentration are indicated on the Pre- and Post-Development Drainage Plans located in Appendix D. Within the areas proposed to be developed, the sub drainage area boundaries were determined from a combination of available contour data and physical survey topographic LiDAR data.

The pre- development stormwater analysis for the West Forks Station consists of one sub drainage area (1S) totaling approximately 6.03 acres in size. The Post-development consists, of two sub drainage areas (1S & 1SA) totaling approximately 6.03 acres in size. For the pre- development stormwater analysis for Moxie Gore Station there is one sub drainage area (2S) totaling approximately 12.40 acres in size. The Post-development consists, of two sub drainage areas (2S & 2SA) totaling approximately 12.40 acres in size.

Both sites use study points (SPx) as the boundary node for the sub drainage area for the pre- and post-development analysis. Control points are located at the down slope intersection of the Tc hydrologic flow lines and the sub drainage area boundaries.

The results of the pre- and post-development site runoff analyses are shown and compared in Table 3 and 4.

Storm events modeled for the pre- and post-development analyses assumed precipitation events with a 24-hour duration having a type II distribution and rainfall amounts of 2.44, 3.80, and 4.23 inches, with return frequencies of 2-, 10-, and 25-years, respectively. The storm type and rainfall amounts are based on the NOAA Atlas 14, Volume 10, Version 2, Point Precipitation Frequency Estimates.

Drainage Area Plans

The Pre-Development Drainage Area Plans and the Post-Development Drainage Area Plans for the proposed project are provided in Appendix D. The plans include contours, land cover types, soil groups, sub drainage area boundaries and analysis points,

hydrologic flow lines, time of concentration flow lines, existing features, and drainage ways where applicable. The Post- Development Watershed Plans include the locations of proposed buildings, roads, and stormwater management structures.

Runoff Analysis

The pre- and post-development stormwater analysis calculations are provided in Appendix C. The runoff routing calculations were performed with the use of HydroCAD Version 10.0 software. The analyses include computations for determining the time of concentration, the runoff curve numbers (CN values) for the pre- and post-development sub drainage areas and the HydroCAD output, which includes peak discharge calculations for the 24-hour storms of 2- 10-, and 25-year frequencies and routing calculations.

A summary of the pre- and post-development peak runoff at the control points is provided in Table 3 and 4.

Table 3. Pre & Post-Development Peak Runoff for Overall Drainage Area – West Forks

Storm Event	Pre-Development (cfs)	Post-Development (cfs)
2-Year	1.34	1.23
10-Year	6.32	5.90
25-Year	8.35	7.79

Table 4. Pre & Post-Development Peak Runoff for Overall Drainage Area – Moxie Gore

Storm Event	Pre-Development (cfs)	Post-Development (cfs)
2-Year	2.15	1.47
10-Year	9.30	7.62
25-Year	12.17	10.36

West Forks Station

The calculations show a net decrease to peak runoff rates in every storm event for the West Forks Station from the pre-development condition to the post developed condition.

Moxie Gore Station

The calculations show a net decrease to peak runoff rates in every storm event for the Moxie Gore Station from the pre-development condition to the post developed condition.

A summary of each node is as follows:

Study Point SP1 (West Forks Station)

Node SP1 is located on the southwest side of the CMP right of way. Node SP1 shows a 7 percent decrease in runoff following a 25-year, 24-hour storm event in the post-

development condition. Most of the decrease can be attributed to the runoff curve number being lower because of the increased infiltration of stormwater into the gravel/crushed stone surface of the switchyard placed on top of the existing soils.

Study Point SP2 (Moxie Gore Station)

Node SP2 is located on the South side of the CMP right of way. Node SP2 shows a 15 percent decrease in runoff following a 25-year, 24-hour storm event in the post-development condition. Most of the decrease can be attributed to the runoff curve number being lower because of the increased infiltration of stormwater into the gravel/crushed stone surface of the switchyard placed on top of the existing soils.

Flooding Standard

Variance Submissions

A variance from the peak flow standard is not necessary for the proposed termination stations. As determined in a previous pre-application meeting with MDEP staff and documented in the CMP/MDEP agreement letter, water quantity control is not necessary since there is a decrease in runoff, compared to the existing conditions, due to the greater infiltration properties (lower CN value) of the gravel and crushed stone switchyard surface, as compared to the native soils. In addition, the proposed stormwater management system will include several meadow treatment buffers adjacent to the level spreaders to retain the pre-development flow regime. As stated previously, the runoff from the developed site will not adversely affect downstream properties.

Sizing of Stormwater BMPs

The proposed conveyance swales and level spreader are designed to manage the limited runoff from the access road and switchyard by avoiding creating erosive velocities. Detailed drawings for the proposed on-site conveyance structures, including vegetated drainage swales, culverts with inlet and outlet protection, the level spreader and the meadow buffers, are shown on the Post- Development Watershed Plan, Site Grading Sections & Details drawings located in Appendix D. Stabilization methods are designed, and will be constructed and maintained in accordance with CMP's Environmental Guidelines for Construction and Maintenance Activities on Transmission Line and Substation Projects, dated June 2018 (the CMP's Environmental Guidelines), which is consistent with the Maine Erosion and Sedimentation Control BMPs, dated March 2016. Please refer to Section 14: Basic Standards Submissions for a detailed description of the site-specific erosion control measures and practices to be utilized during construction of the switchyard.

Stormwater Ponds

Stormwater ponds are not required for runoff treatment or attenuation. As previously discussed with MDEP staff, facilities (such as substations and termination stations) built to the specifications in the 2008 CMP/MDEP agreement letter will meet the required General Standards and will not necessitate any further treatment of runoff. The use of vegetated swales in conjunction with the level spreaders and meadow buffers will be used to collect and treat the runoff from the termination station access roads. The use of on-site vegetated buffers will be maximized to allow for improved natural sheet flow.

Infiltration Systems

No infiltration systems are proposed for this project.

Drainage Easement Declarations

The proposed stormwater buffers are located entirely on CMP property associated with the Site Location of Development Act (SLODA) permit issued for this project. As a result, any alteration of these buffer areas will require review and approval by the MDEP. No drainage easements are needed. All vegetated buffers shown on the plans will be protected by deed restrictions (Declaration of Restrictions, per MDEP Chapter 500) applied to these areas.

Stormwater Quality Treatment Plan

Basic Standards Submissions

In accordance with the Basic Standards, the proposed switchyard, access road, and associated features will be constructed and stabilized using erosion and sedimentation (E&S) Best Management Practices (BMPs). The site will receive routine maintenance to ensure their continued function and to prevent or correct erosion problems. A level spreader is provided at the northwest corner of the switchyard to return concentrated flows from collector swales along the sides of the yard to non-erosive sheet flows. During and after construction at the Termination Stations, CMP's E&S Plan will be utilized to prevent erosion from occurring, as well as to correct any problems that may develop. The CMP's Environmental Guidelines updated and provided to the MDEP in June 2018, incorporates the applicable procedures of the Maine Erosion and Sediment Control BMPs, dated March 2016. The CMP's Environmental Guidelines contains the details and specifications for general stabilization measures to be used during construction and stabilization of the switchyard. These measures will be used to protect exposed soils during construction and during the service life of the project.

The stabilization measures for the site will include temporary and permanent erosion and sedimentation controls; appropriate design of swales, culverts, and erosion protection for earthen cut and fill slopes; and provisions for future maintenance of the site. The vegetated swales, culverts, buffers and level spreader design calculations are included in Appendix E.

General Standard Submissions

Since the proposed development is part of a Site Law project compliance with the General Standards is required. Runoff from the gravel termination pads will be treated by the use of level spreaders and vegetated treatment buffers. MDEP staff has stated that as long as the facilities are built to the specifications in the 2008 CMP/MDEP agreement letter, the General Standard requirements will be met for these termination stations and no further water quality treatment of stormwater from the yard itself is required. The proposed access gravel drives are proposed for the runoff to sheet flow to adjacent forested buffers along the proposed corridor.

Phosphorus Control Plan

The termination stations are not located in a lake watershed. Therefore, a Phosphorus Control Plan is not required for this application.

Off-Site Credits

Off-site credits for total suspended solids (TSS) or phosphorus are not required for the proposed switchyard.

Runoff Treatment Measures

The drainage design for this project includes vegetated conveyance swales along the access road that will collect and direct runoff to level spreaders which are adjacent to a meadow buffer per the MDEP manual Design of Stormwater Best Management Practices, October 2016. The level spreader will convert the channelized flow to sheet flow prior to the runoff leaving the site. The termination stations will provide water quality treatment because they will be built in accordance with the materials and specifications shown on the drawings; i.e., 6 inches of crushed stone on top of 18 inches of the Maine Department of Transportation (MDOT) 703.06 Type A gravel fill. The cross section and materials incorporated in this design exceed the specifications in the CMP/MDEP agreement letter.

Control Plan for Thermal Impacts to Coldwater Fisheries

Due to the use of vegetated buffers for treatment of runoff, there will be no thermal impacts.

Control Plan for Other Pollutants

A control plan for other pollutants in stormwater runoff is not required.

Engineering Inspection of Stormwater Management Facilities

CMP ensures that a qualified engineer will inspect the construction site periodically to verify that the termination stations, stormwater conveyance swales and level spreader are constructed in accordance with the plans and specifications shown on the design drawings, and that these structures are functioning properly. These inspections will commence with the initial earth moving activities on the site and will continue, as needed, during any period when construction activity affecting the stormwater management system occurs, until the site is permanently stabilized.

Additional inspections of the site will be conducted during and after construction to evaluate and maintain the condition and effectiveness of stormwater management structures and erosion and sedimentation control measures. BMPs for erosion control and stormwater pollution prevention during construction will include weekly (minimum) or more frequent inspections and maintenance of items such as temporary and permanent erosion control measures; stabilization of the switchyard site, road ditches, and the ROW; and to correct any erosion or sedimentation that is occurring. The inspection and maintenance of erosion control measures are described in more detailed in CMP's Environmental Guidelines (Update provided to MDEP in June 2018).

Components of Kennebec River Gorge HDD Termination Stations Post-Construction Stormwater Maintenance Plan

Both of the termination stations will be owned, operated, and maintained by Central Maine Power Company.

Facilities to be Maintained

The stormwater management facilities to be maintained at the West Forks and the Moxie Gore Stations include:

Stormwater conveyance swales and level spreader associated with the access road and termination stations;

Culverts with inlet and outlet protection;

Permanent access roads;

Termination station surface (crushed stone);

Revegetated areas and embankments; and

Water quality treatment buffers.

General Inspection and Maintenance Requirements

The proposed facility will be operated and maintained in a manner consistent with good utility practices, including monthly on-site substation inspections and maintenance of stormwater management system components, as needed. A post-construction maintenance and inspection log is provided in Appendix G.

Maintenance issues associated with specific areas and facilities at the substation are identified in the following sections.

Drainage Conveyance Systems

The vegetated swales, level spreader, and culverts will be inspected on a quarterly basis. Any signs of existing or developing blockage of flow, trash, erosion, channeling or excessive buildup of sediment will be removed/repaired, as needed. Vegetated swales and other vegetated structures will be mowed or otherwise maintained to control the growth of woody vegetation within the channel, but no more than once per year.

Roadways

The access roadway will typically require little on-going maintenance, owing to the limited use by heavy vehicles. These areas will be inspected quarterly, and signs of existing or developing erosion, rutting, trash or unwanted vegetation will be removed/repaired as needed.

Termination Station Surface

The termination station surfaces will be inspected quarterly. Any signs of existing or developing erosion, rutting, trash, or unwanted vegetation within the switchyard will be removed/repaired as needed.

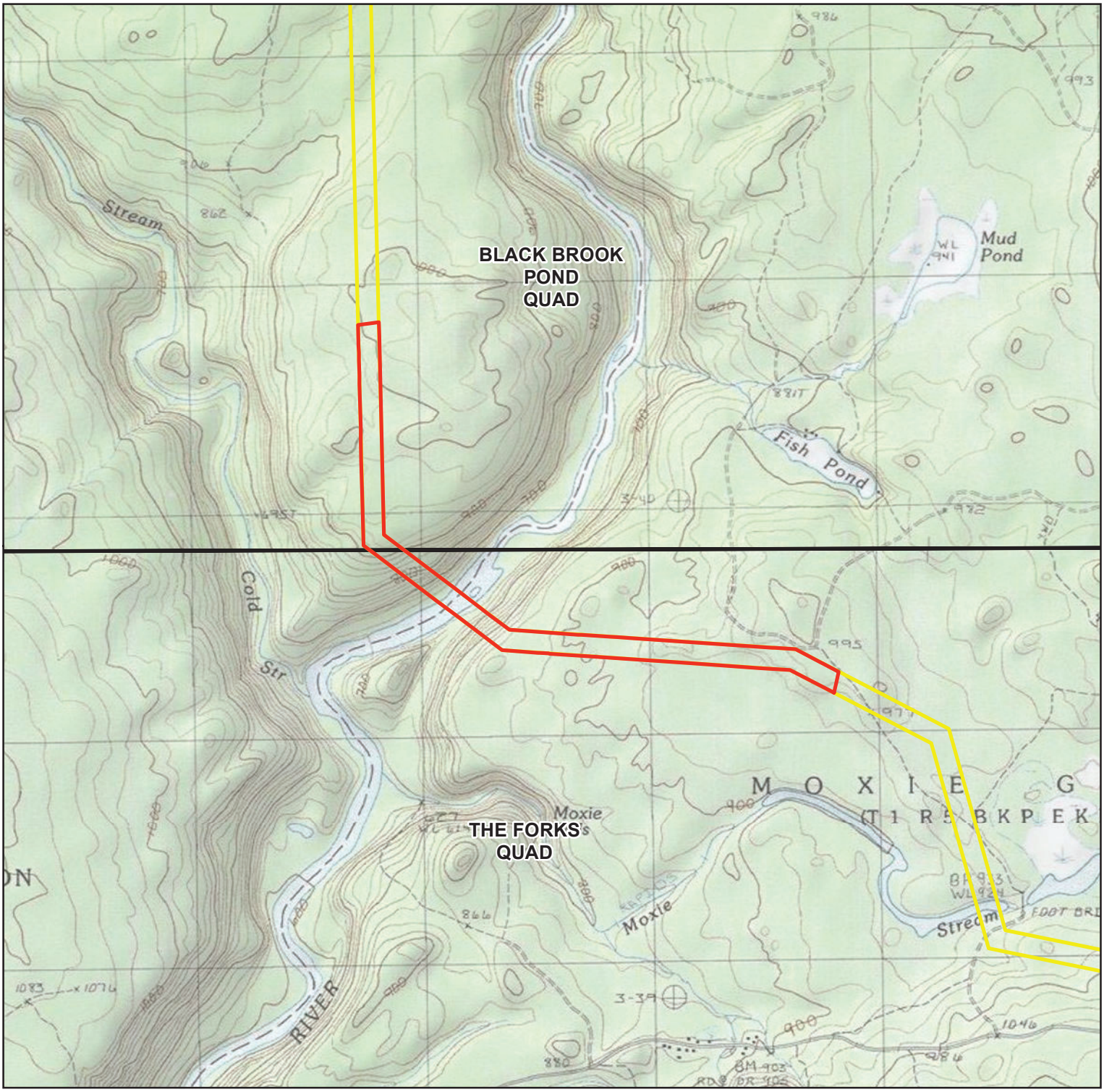
Revegetated Areas and Embankments

Revegetated areas and embankments will be inspected quarterly. Any signs of erosion or inadequate revegetation of these areas will be corrected as needed.

Water Quality Treatment Buffers

Quarterly inspections of the water quality treatment buffers will be made to ensure the integrity of the undisturbed, meadow buffers. Any signs of developing erosion will be repaired and revegetated as needed.

APPENDIX A
SITE LOCATION MAP



Project USGS Quad(s):

Black Brook Pond
The Forks

Project Watershed(s):

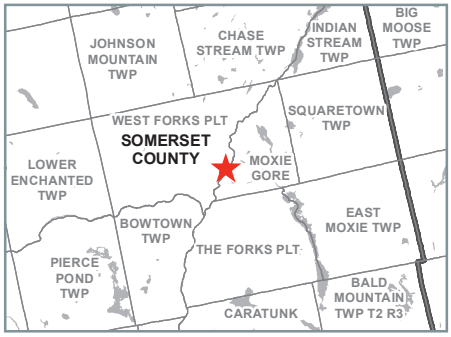
Upper Kennebec (HUC 01030001)

Center of Project Study Limits:
45.372974 N, 69.942697 W
North American Datum 1983

HDD Crossing Location
NECEC Project Location
USGS 24K Quad Boundary

Data Sources:

United States Geological Survey 24k Topo Quad Map - usgs.gov



0 1,000 2,000 Feet

CENTRAL MAINE POWER

FISHER ASSOCIATES

CENTRAL MAINE POWER
NEW ENGLAND CLEAN ENERGY CONNECT
LOCATION OF THE KENNEBEC GORGE HDD CROSSING
PROJECT LOCATION MAP

Author: MFA

Revision Date: 5/8/2020

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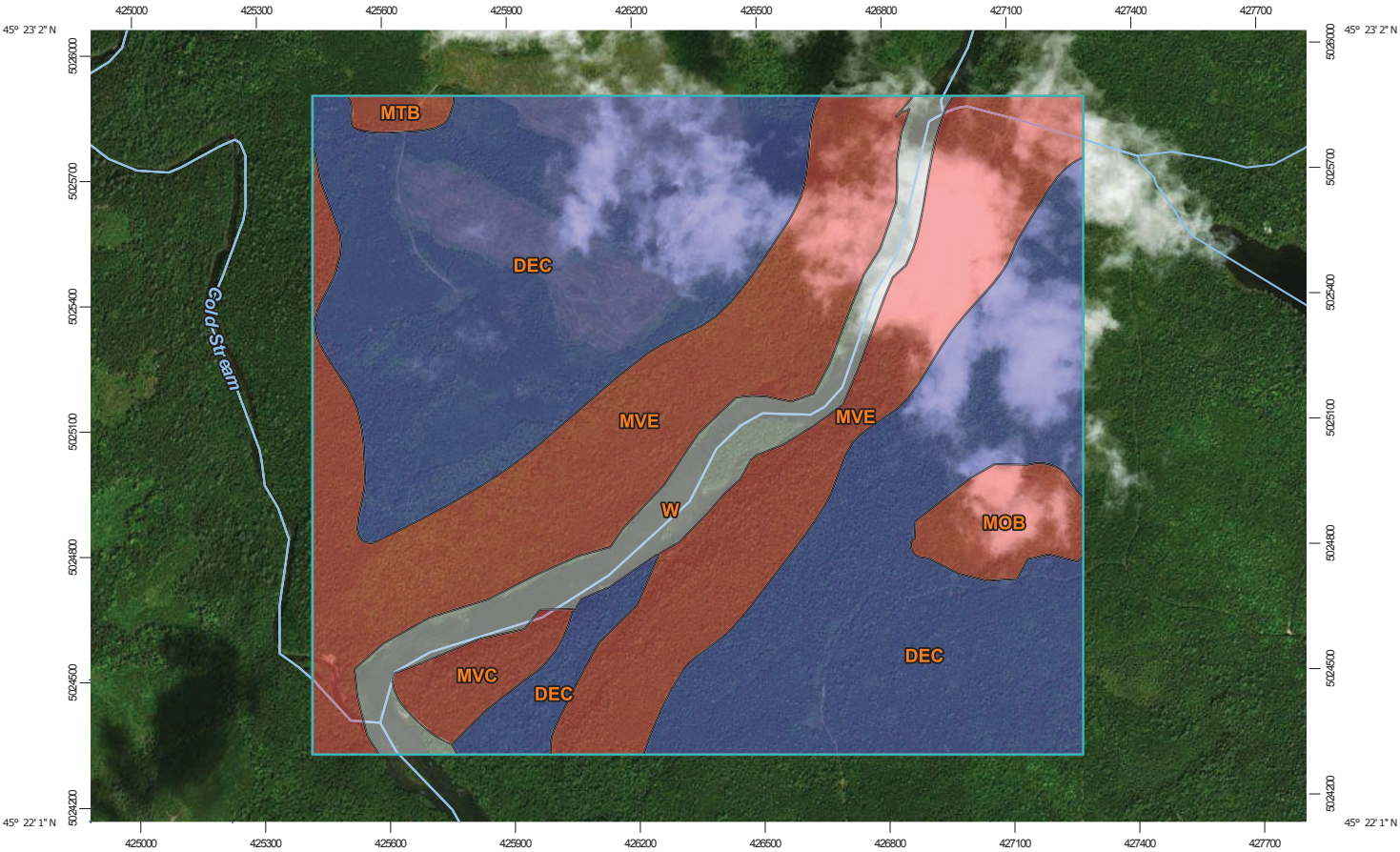
APPENDIX B
SOILS MAP

Hydrologic Soil Group—Somerset County Area and Parts of Franklin and Oxford Counties, Maine
(Kennebec Crossing)



Map Scale: 1:13,400 if printed on A landscape (11" x 8.5") sheet.

N

Meters: 0 150 300 600 900

Feet: 0 500 1000 2000 3000

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 19N WGS84

MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

Soil Rating Polygons

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Lines

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Points

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Somerset County Area and Parts of Franklin and Oxford Counties, Maine
Survey Area Data: Version 22, Sep 11, 2017

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Aug 24, 2014—Sep 21, 2016

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
DEC	Danforth-Elliottsville association, 3 to 15 percent slopes	B	393.6	54.1%
MOB	Monarda-Burnham complex, 0 to 3 percent slopes, very stony	D	21.1	2.9%
MTB	Monarda-Telos complex, 0 to 8 percent slopes, very stony	D	4.9	0.7%
MVC	Monson-Elliottsville-Knob Lock complex, 8 to 30 percent slopes, very rocky	D	15.6	2.1%
MVE	Monson-Elliottsville-Knob Lock complex, 30 to 60 percent slopes, very rocky	D	238.4	32.8%
W	Water bodies		53.4	7.3%
Totals for Area of Interest			**727.1**	**100.0%**

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

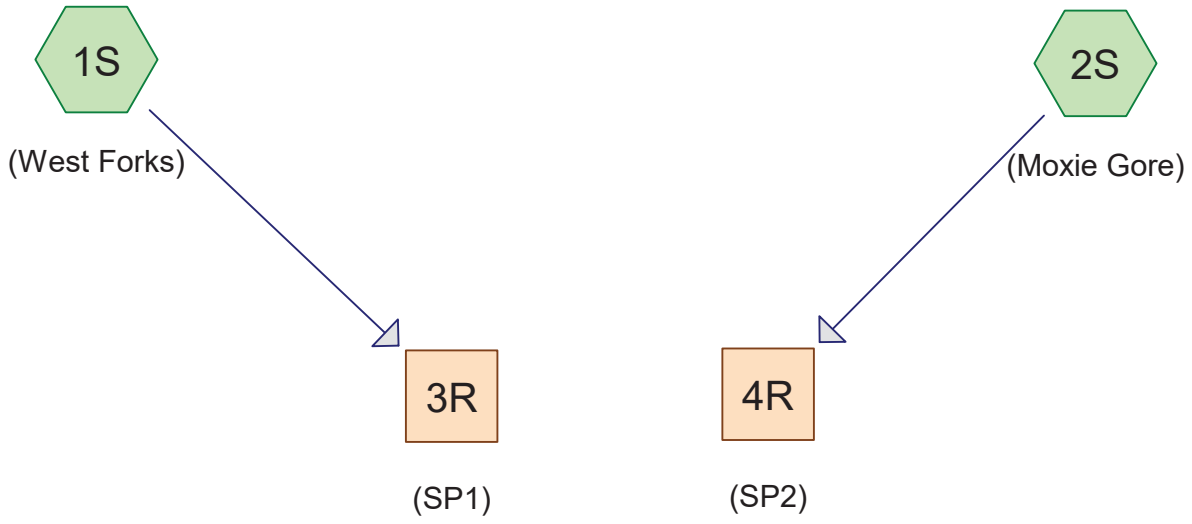
Rating Options

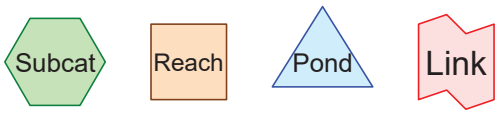
Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

APPENDIX C
PRE AND POST DEVELOPMENT CALCULATIONS





Routing Diagram for Kennebec HDD Pre-Development
Prepared by {enter your company name here}, Printed 5/29/2020
HydroCAD® 10.00-22 s/n 04748 © 2018 HydroCAD Software Solutions LLC

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
2.600	67	Brush, Poor, HSG B (1S, 2S)
0.170	96	Gravel surface, HSG B (2S)
21.730	66	Woods, Poor, HSG B (1S, 2S)
24.500	**66**	**TOTAL AREA**

Soil Listing (all nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.000	HSG A	
24.500	HSG B	1S, 2S
0.000	HSG C	
0.000	HSG D	
0.000	Other	
24.500		**TOTAL AREA**

Time span=5.00-72.00 hrs, dt=0.02 hrs, 3351 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: (West Forks) Runoff Area=9.970 ac 0.00% Impervious Runoff Depth=0.30"
Flow Length=901' Tc=36.5 min CN=66 Runoff=1.34 cfs 0.252 af

Subcatchment 2S: (Moxie Gore) Runoff Area=14.530 ac 0.00% Impervious Runoff Depth=0.33"
Flow Length=897' Tc=40.0 min CN=67 Runoff=2.15 cfs 0.402 af

Reach 3R: (SP1) Inflow=1.34 cfs 0.252 af
Outflow=1.34 cfs 0.252 af

Reach 4R: (SP2) Inflow=2.15 cfs 0.402 af
Outflow=2.15 cfs 0.402 af

Total Runoff Area = 24.500 ac Runoff Volume = 0.653 af Average Runoff Depth = 0.32"
100.00% Pervious = 24.500 ac 0.00% Impervious = 0.000 ac

Summary for Subcatchment 1S: (West Forks)

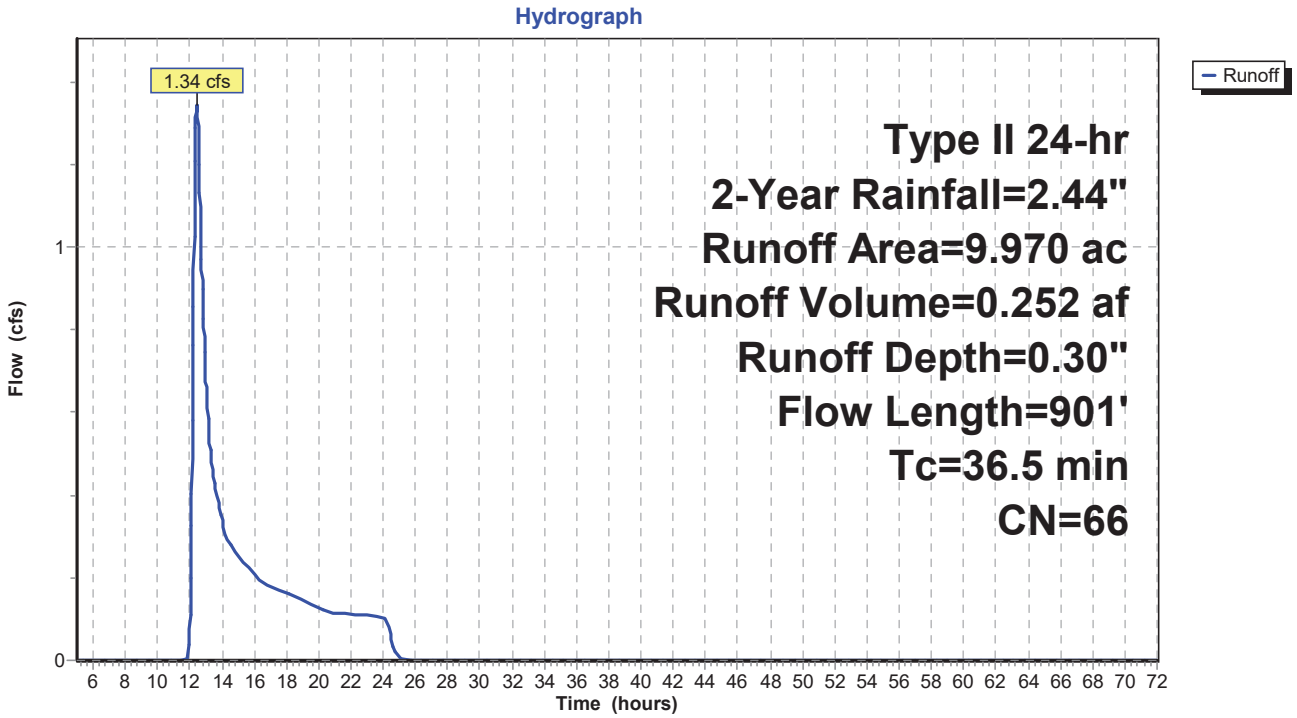
Runoff = 1.34 cfs @ 12.44 hrs, Volume= 0.252 af, Depth= 0.30"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-72.00 hrs, dt= 0.02 hrs
Type II 24-hr 2-Year Rainfall=2.44"

Area (ac)	CN	Description
9.830	66	Woods, Poor, HSG B
0.140	67	Brush, Poor, HSG B
9.970	66	Weighted Average
9.970		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
23.5	117	0.1227	0.08		**Sheet Flow, Sheet Flow 1** Woods: Dense underbrush n= 0.800 P2= 2.44"
4.2	33	0.1824	0.13		**Sheet Flow, Sheet Flow 2** Woods: Light underbrush n= 0.400 P2= 2.44"
8.8	751	0.0810	1.42		**Shallow Concentrated Flow, SCF 1** Woodland Kv= 5.0 fps
36.5	901	Total			

Subcatchment 1S: (West Forks)



Summary for Subcatchment 2S: (Moxie Gore)

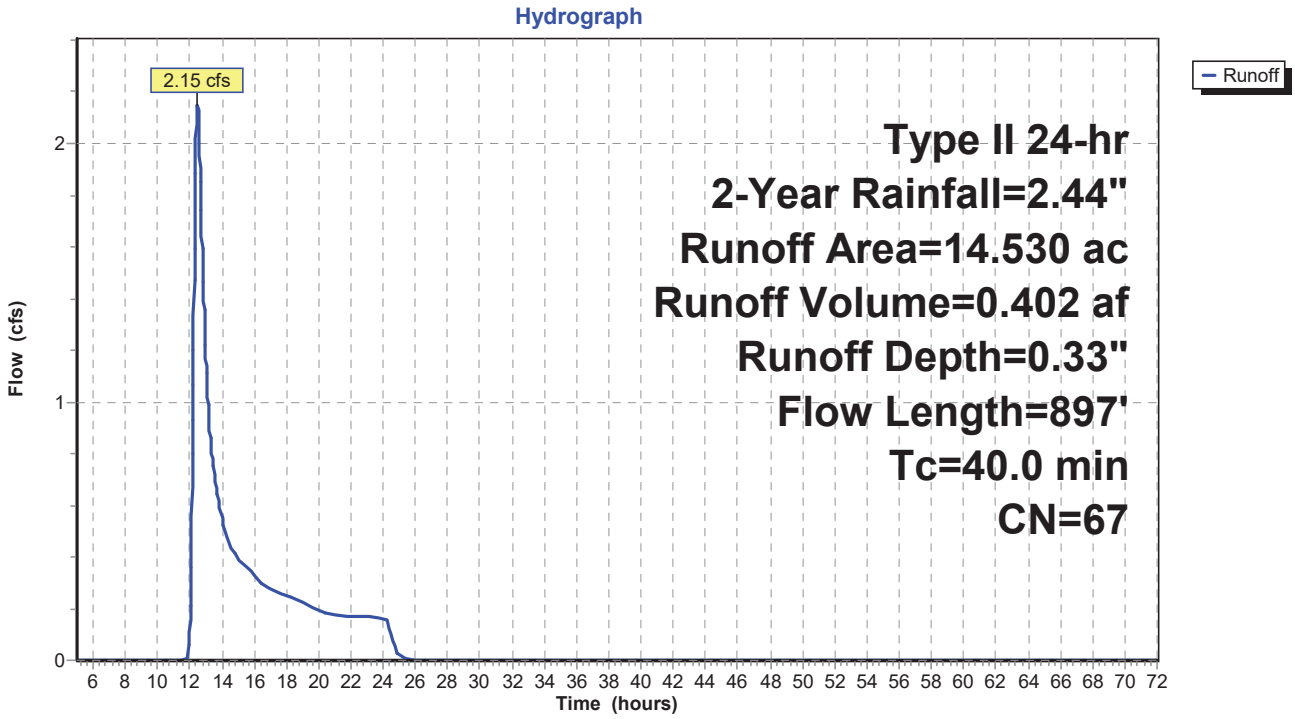
Runoff = 2.15 cfs @ 12.48 hrs, Volume= 0.402 af, Depth= 0.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-72.00 hrs, dt= 0.02 hrs
Type II 24-hr 2-Year Rainfall=2.44"

Area (ac)	CN	Description
11.900	66	Woods, Poor, HSG B
0.170	96	Gravel surface, HSG B
2.460	67	Brush, Poor, HSG B
14.530	67	Weighted Average
14.530		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
29.0	150	0.1187	0.09		**Sheet Flow, Sheet Flow 1** Woods: Dense underbrush n= 0.800 P2= 2.44"
8.2	569	0.0530	1.15		**Shallow Concentrated Flow, SCF 1** Woodland Kv= 5.0 fps
2.8	178	0.0087	1.06	10.58	**Channel Flow, Channel Flow 1** Area= 10.0 sf Perim= 15.0' r= 0.67' n= 0.100 Very weedy reaches w/pools
40.0	897	Total			

Subcatchment 2S: (Moxie Gore)



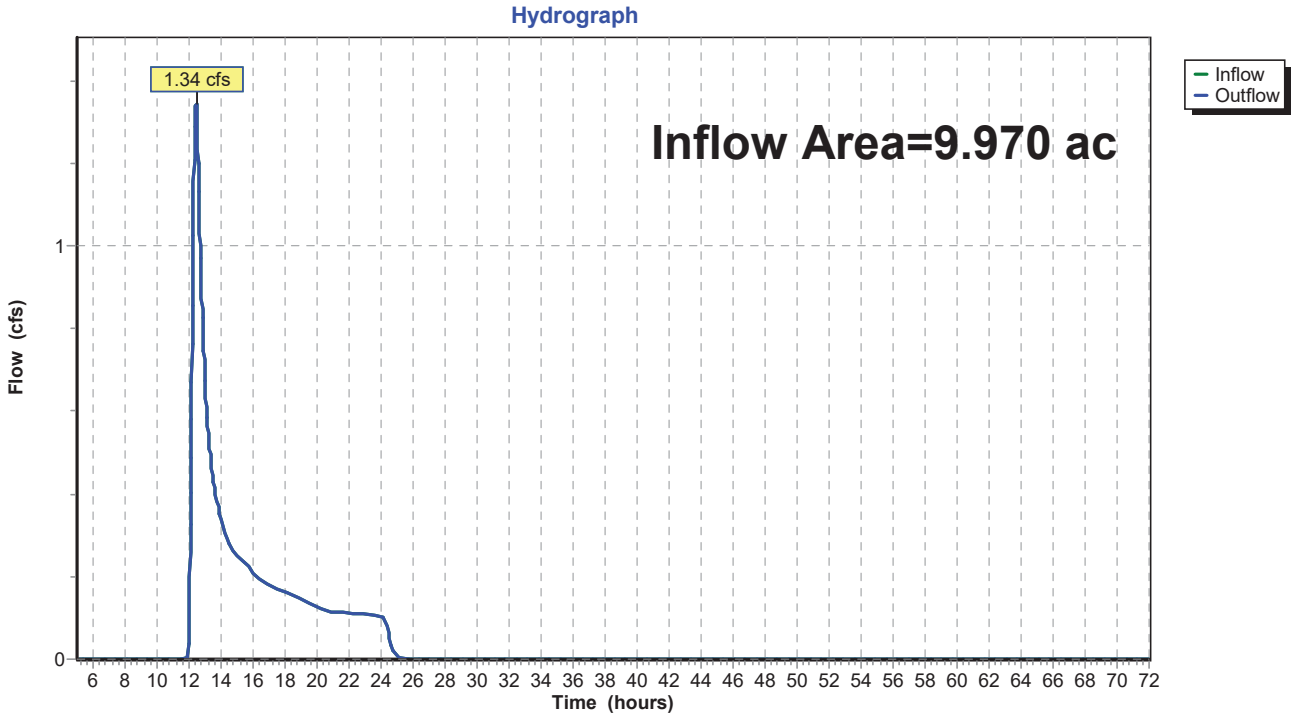
Summary for Reach 3R: (SP1)

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 9.970 ac, 0.00% Impervious, Inflow Depth = 0.30" for 2-Year event
Inflow = 1.34 cfs @ 12.44 hrs, Volume= 0.252 af
Outflow = 1.34 cfs @ 12.44 hrs, Volume= 0.252 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-72.00 hrs, dt= 0.02 hrs

Reach 3R: (SP1)



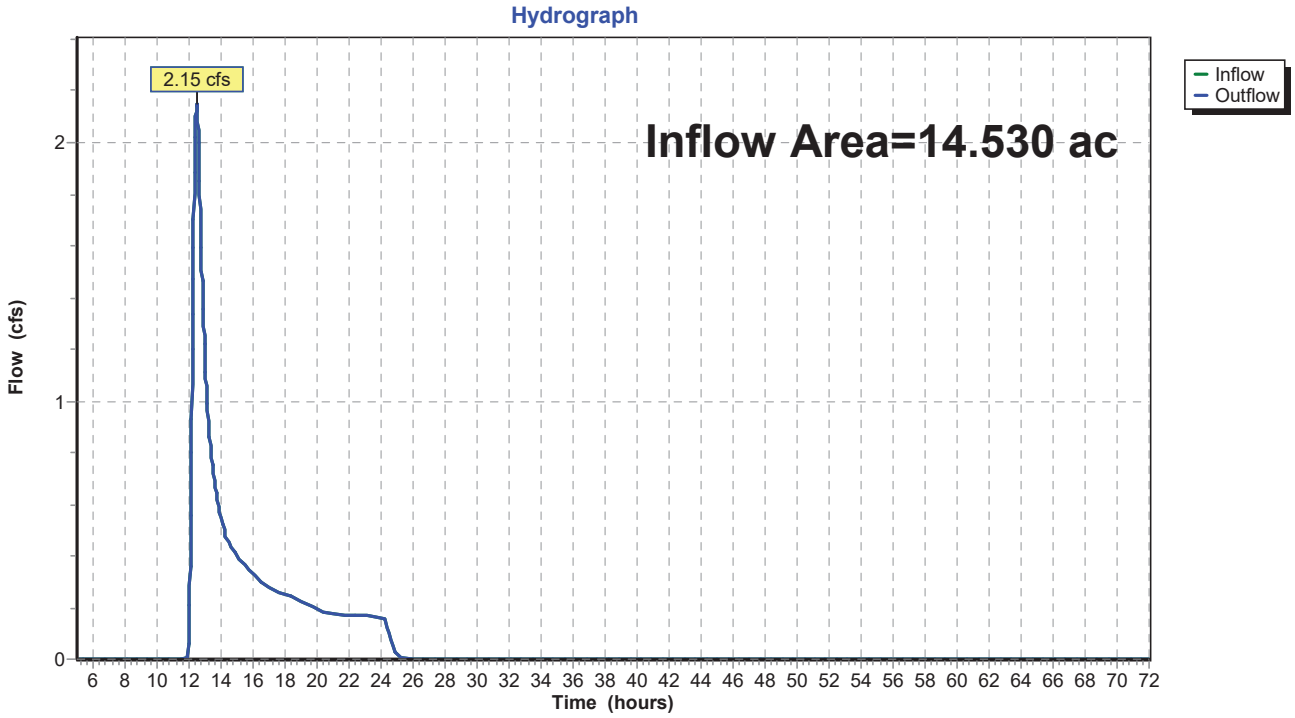
Summary for Reach 4R: (SP2)

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 14.530 ac, 0.00% Impervious, Inflow Depth = 0.33" for 2-Year event
Inflow = 2.15 cfs @ 12.48 hrs, Volume= 0.402 af
Outflow = 2.15 cfs @ 12.48 hrs, Volume= 0.402 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-72.00 hrs, dt= 0.02 hrs

Reach 4R: (SP2)



Time span=5.00-72.00 hrs, dt=0.02 hrs, 3351 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: (West Forks) Runoff Area=9.970 ac 0.00% Impervious Runoff Depth=0.97"
Flow Length=901' Tc=36.5 min CN=66 Runoff=6.32 cfs 0.805 af

Subcatchment 2S: (Moxie Gore) Runoff Area=14.530 ac 0.00% Impervious Runoff Depth=1.02"
Flow Length=897' Tc=40.0 min CN=67 Runoff=9.30 cfs 1.240 af

Reach 3R: (SP1) Inflow=6.32 cfs 0.805 af
Outflow=6.32 cfs 0.805 af

Reach 4R: (SP2) Inflow=9.30 cfs 1.240 af
Outflow=9.30 cfs 1.240 af

Total Runoff Area = 24.500 ac Runoff Volume = 2.044 af Average Runoff Depth = 1.00"
100.00% Pervious = 24.500 ac 0.00% Impervious = 0.000 ac

Summary for Subcatchment 1S: (West Forks)

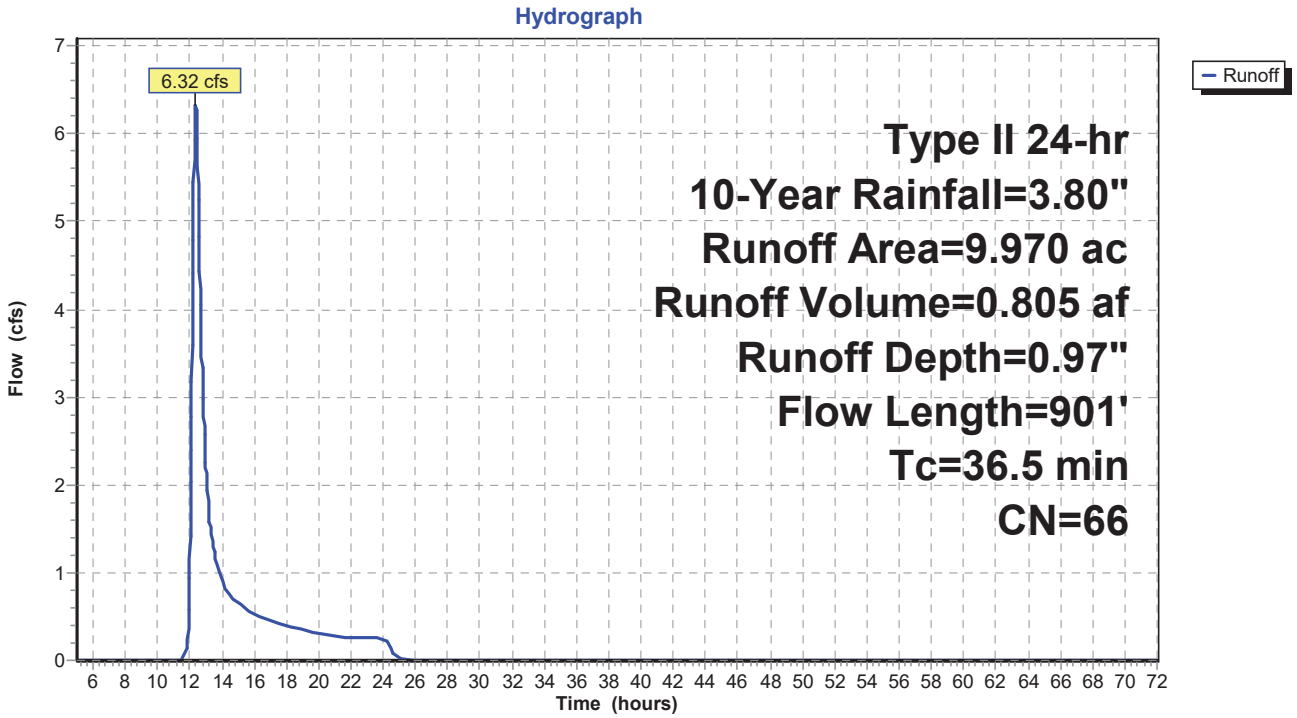
Runoff = 6.32 cfs @ 12.37 hrs, Volume= 0.805 af, Depth= 0.97"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-72.00 hrs, dt= 0.02 hrs
Type II 24-hr 10-Year Rainfall=3.80"

Area (ac)	CN	Description
9.830	66	Woods, Poor, HSG B
0.140	67	Brush, Poor, HSG B
9.970	66	Weighted Average
9.970		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
23.5	117	0.1227	0.08		**Sheet Flow, Sheet Flow 1** Woods: Dense underbrush n= 0.800 P2= 2.44"
4.2	33	0.1824	0.13		**Sheet Flow, Sheet Flow 2** Woods: Light underbrush n= 0.400 P2= 2.44"
8.8	751	0.0810	1.42		**Shallow Concentrated Flow, SCF 1** Woodland Kv= 5.0 fps
36.5	901	Total			

Subcatchment 1S: (West Forks)



Summary for Subcatchment 2S: (Moxie Gore)

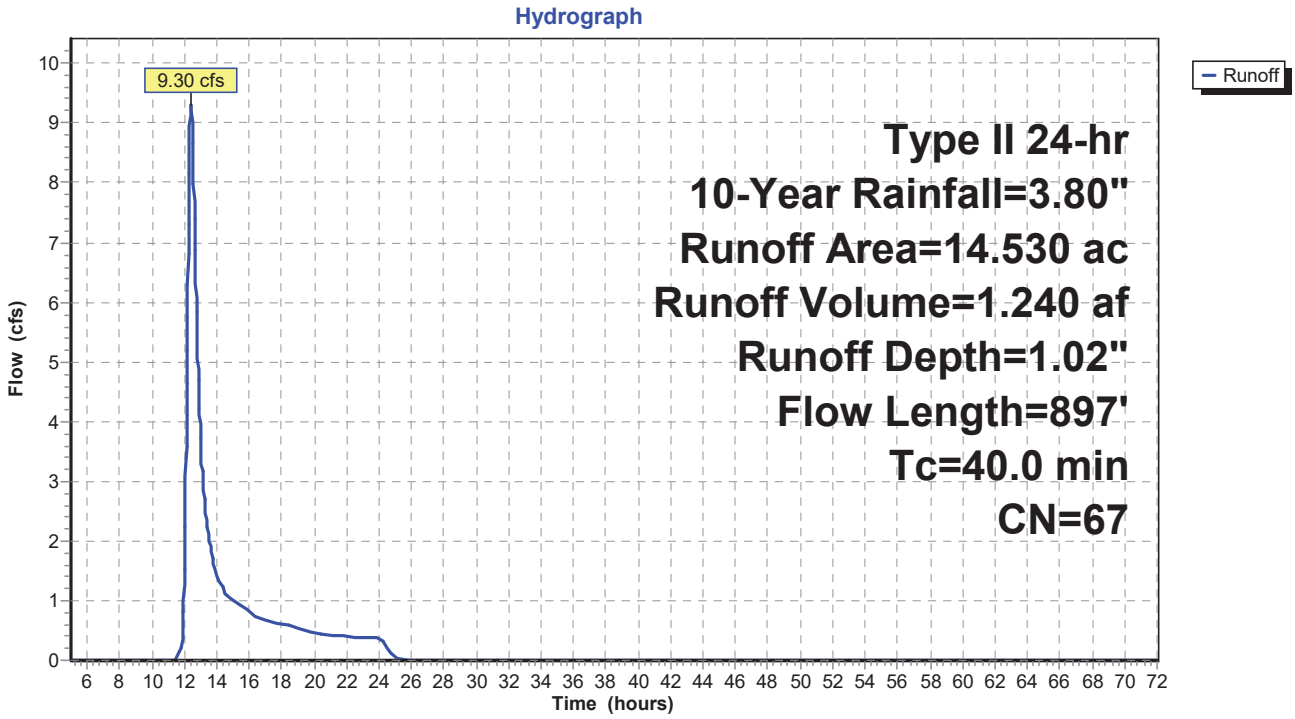
Runoff = 9.30 cfs @ 12.40 hrs, Volume= 1.240 af, Depth= 1.02"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-72.00 hrs, dt= 0.02 hrs
Type II 24-hr 10-Year Rainfall=3.80"

Area (ac)	CN	Description
11.900	66	Woods, Poor, HSG B
0.170	96	Gravel surface, HSG B
2.460	67	Brush, Poor, HSG B
14.530	67	Weighted Average
14.530		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
29.0	150	0.1187	0.09		**Sheet Flow, Sheet Flow 1** Woods: Dense underbrush n= 0.800 P2= 2.44"
8.2	569	0.0530	1.15		**Shallow Concentrated Flow, SCF 1** Woodland Kv= 5.0 fps
2.8	178	0.0087	1.06	10.58	**Channel Flow, Channel Flow 1** Area= 10.0 sf Perim= 15.0' r= 0.67' n= 0.100 Very weedy reaches w/pools
40.0	897	Total			

Subcatchment 2S: (Moxie Gore)



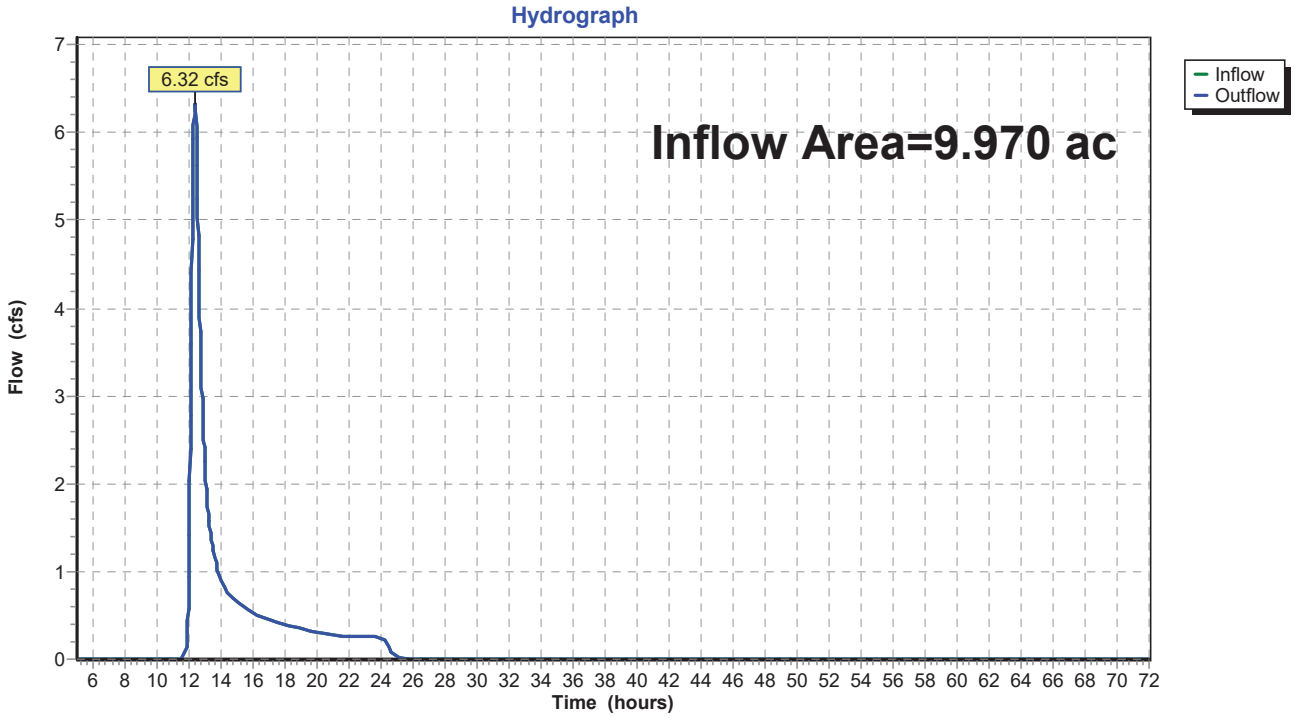
Summary for Reach 3R: (SP1)

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 9.970 ac, 0.00% Impervious, Inflow Depth = 0.97" for 10-Year event
Inflow = 6.32 cfs @ 12.37 hrs, Volume= 0.805 af
Outflow = 6.32 cfs @ 12.37 hrs, Volume= 0.805 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-72.00 hrs, dt= 0.02 hrs

Reach 3R: (SP1)



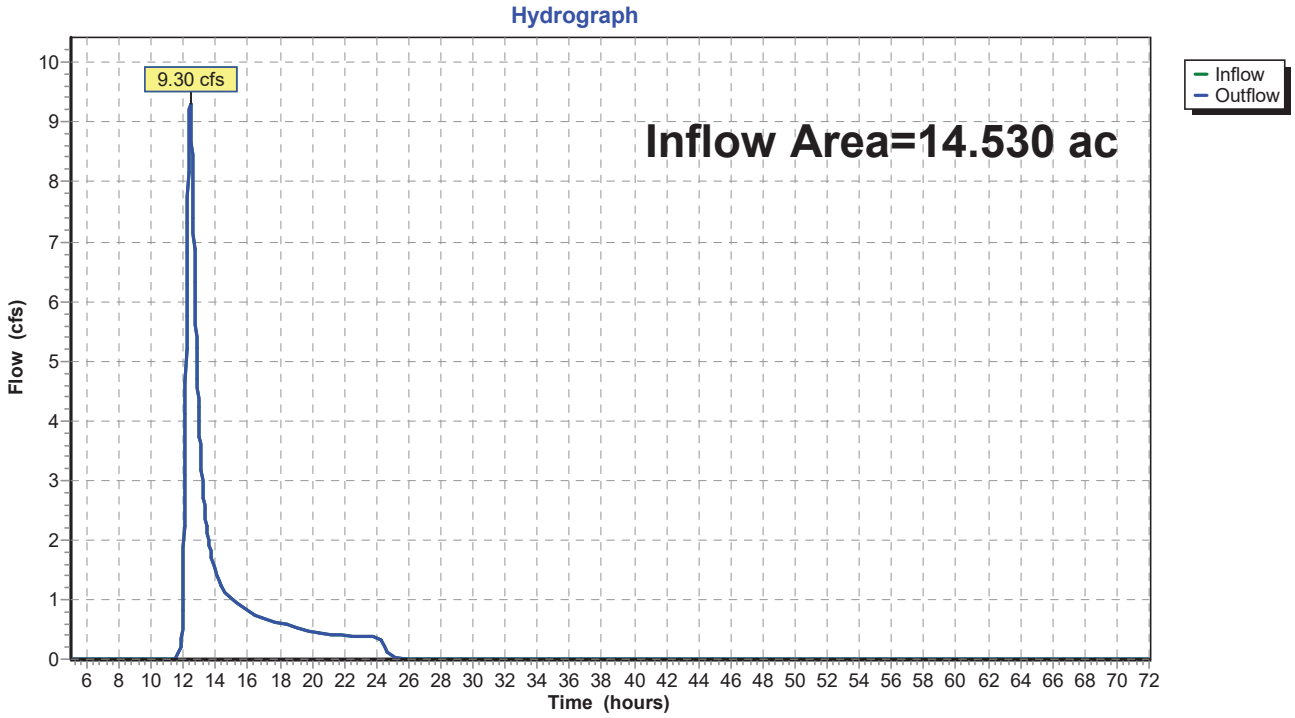
Summary for Reach 4R: (SP2)

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 14.530 ac, 0.00% Impervious, Inflow Depth = 1.02" for 10-Year event
Inflow = 9.30 cfs @ 12.40 hrs, Volume= 1.240 af
Outflow = 9.30 cfs @ 12.40 hrs, Volume= 1.240 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-72.00 hrs, dt= 0.02 hrs

Reach 4R: (SP2)



Time span=5.00-72.00 hrs, dt=0.02 hrs, 3351 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: (West Forks) Runoff Area=9.970 ac 0.00% Impervious Runoff Depth=1.23"
Flow Length=901' Tc=36.5 min CN=66 Runoff=8.35 cfs 1.019 af

Subcatchment 2S: (Moxie Gore) Runoff Area=14.530 ac 0.00% Impervious Runoff Depth=1.29"
Flow Length=897' Tc=40.0 min CN=67 Runoff=12.17 cfs 1.560 af

Reach 3R: (SP1) Inflow=8.35 cfs 1.019 af
Outflow=8.35 cfs 1.019 af

Reach 4R: (SP2) Inflow=12.17 cfs 1.560 af
Outflow=12.17 cfs 1.560 af

Total Runoff Area = 24.500 ac Runoff Volume = 2.579 af Average Runoff Depth = 1.26"
100.00% Pervious = 24.500 ac 0.00% Impervious = 0.000 ac

Summary for Subcatchment 1S: (West Forks)

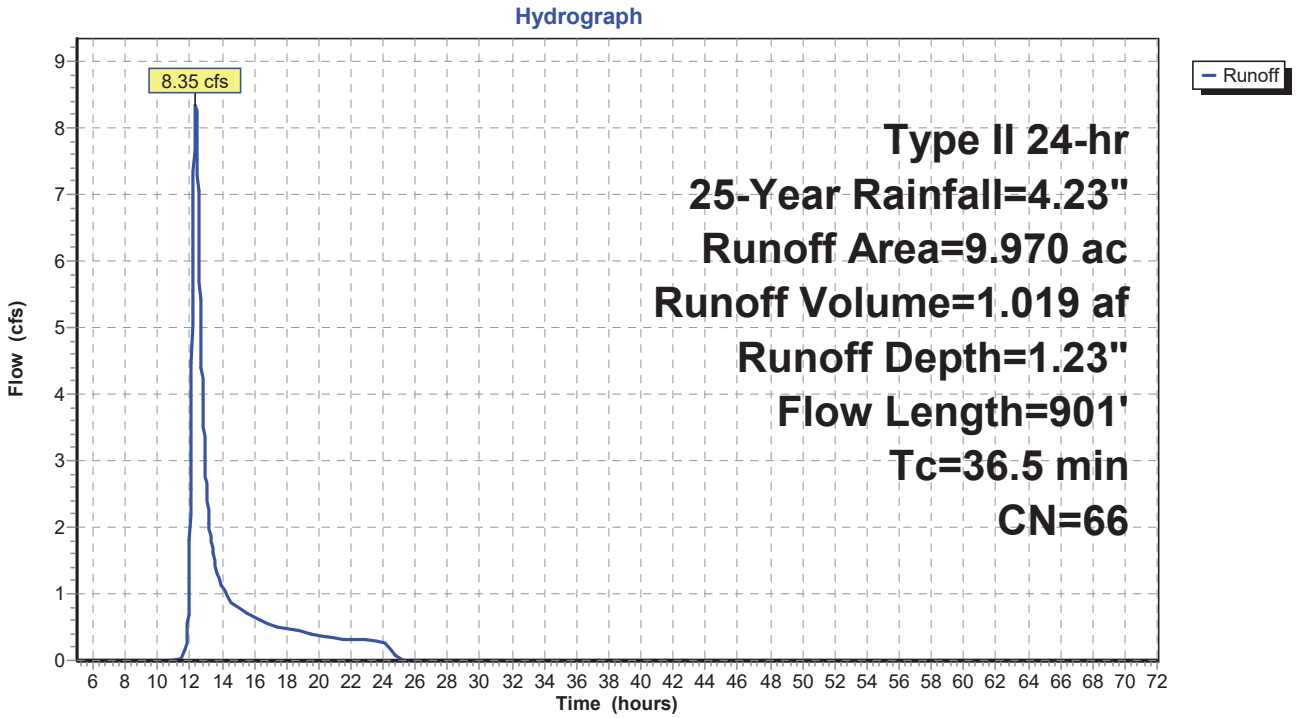
Runoff = 8.35 cfs @ 12.36 hrs, Volume= 1.019 af, Depth= 1.23"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-72.00 hrs, dt= 0.02 hrs
Type II 24-hr 25-Year Rainfall=4.23"

Area (ac)	CN	Description
9.830	66	Woods, Poor, HSG B
0.140	67	Brush, Poor, HSG B
9.970	66	Weighted Average
9.970		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
23.5	117	0.1227	0.08		**Sheet Flow, Sheet Flow 1** Woods: Dense underbrush n= 0.800 P2= 2.44"
4.2	33	0.1824	0.13		**Sheet Flow, Sheet Flow 2** Woods: Light underbrush n= 0.400 P2= 2.44"
8.8	751	0.0810	1.42		**Shallow Concentrated Flow, SCF 1** Woodland Kv= 5.0 fps
36.5	901	Total			

Subcatchment 1S: (West Forks)



Summary for Subcatchment 2S: (Moxie Gore)

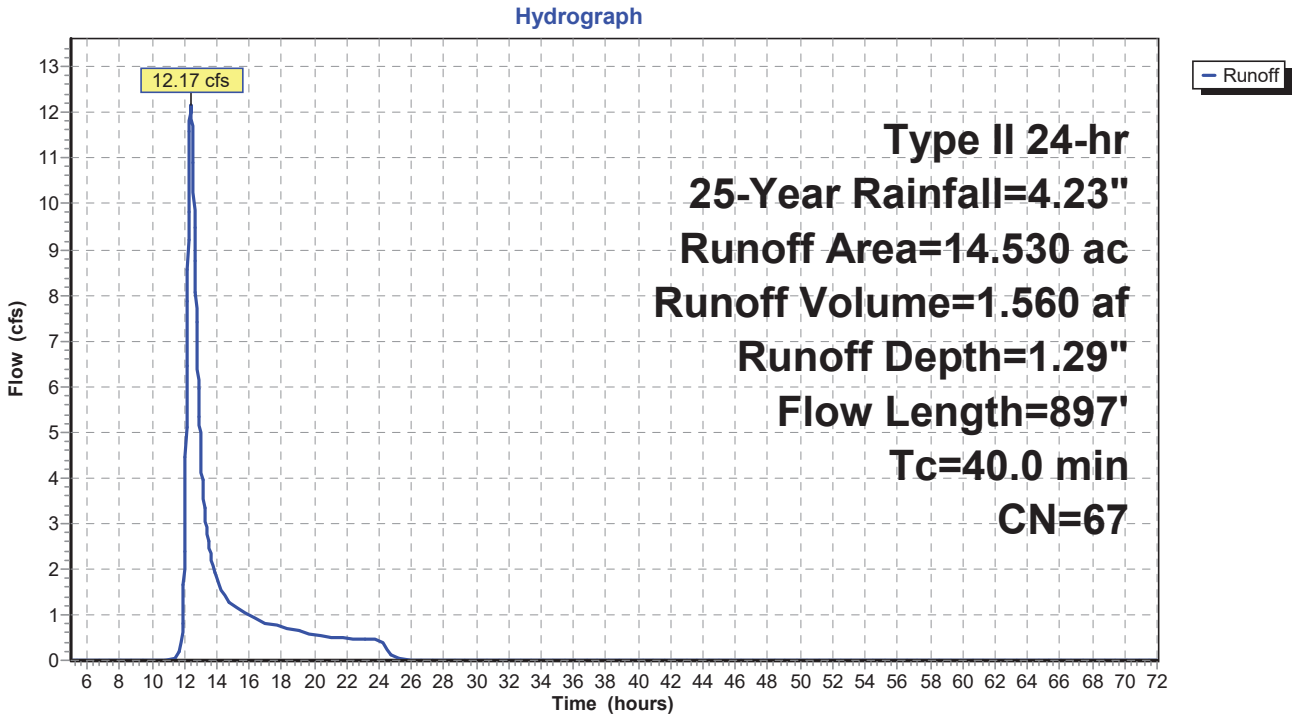
Runoff = 12.17 cfs @ 12.40 hrs, Volume= 1.560 af, Depth= 1.29"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-72.00 hrs, dt= 0.02 hrs
Type II 24-hr 25-Year Rainfall=4.23"

Area (ac)	CN	Description
11.900	66	Woods, Poor, HSG B
0.170	96	Gravel surface, HSG B
2.460	67	Brush, Poor, HSG B
14.530	67	Weighted Average
14.530		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
29.0	150	0.1187	0.09		**Sheet Flow, Sheet Flow 1** Woods: Dense underbrush n= 0.800 P2= 2.44"
8.2	569	0.0530	1.15		**Shallow Concentrated Flow, SCF 1** Woodland Kv= 5.0 fps
2.8	178	0.0087	1.06	10.58	**Channel Flow, Channel Flow 1** Area= 10.0 sf Perim= 15.0' r= 0.67' n= 0.100 Very weedy reaches w/pools
40.0	897	Total			

Subcatchment 2S: (Moxie Gore)



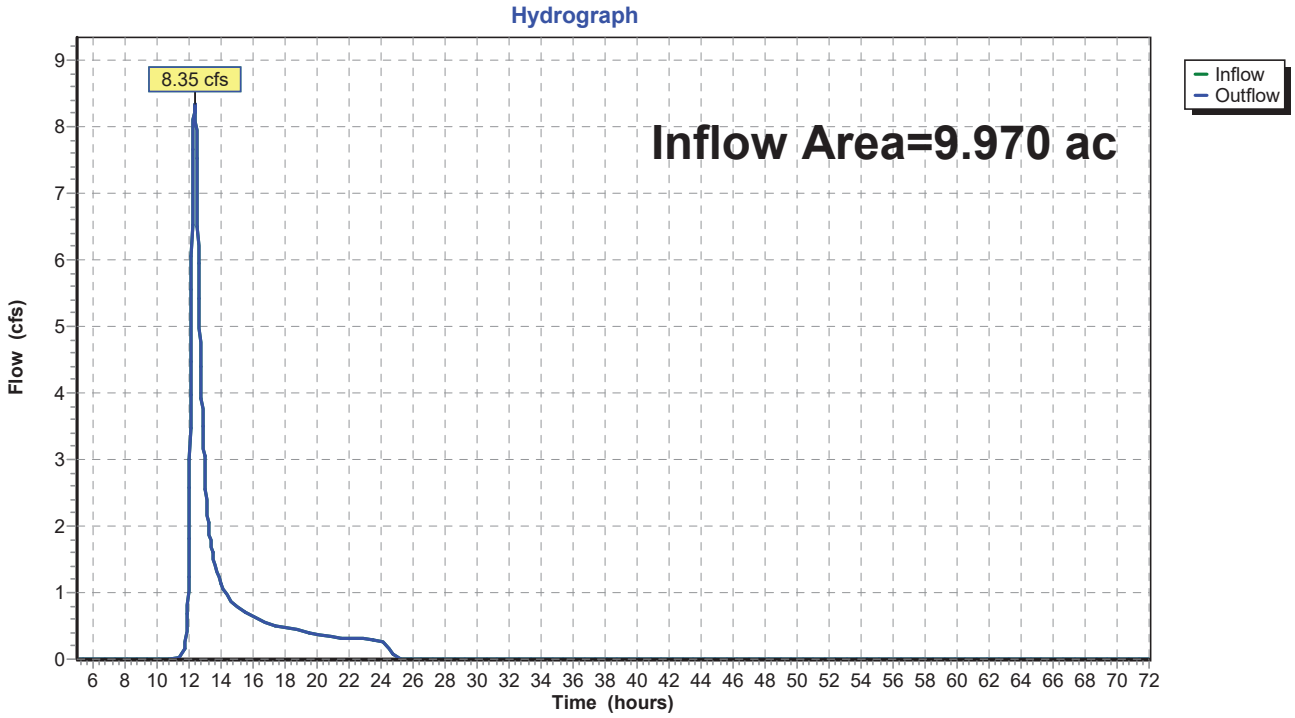
Summary for Reach 3R: (SP1)

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 9.970 ac, 0.00% Impervious, Inflow Depth = 1.23" for 25-Year event
Inflow = 8.35 cfs @ 12.36 hrs, Volume= 1.019 af
Outflow = 8.35 cfs @ 12.36 hrs, Volume= 1.019 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-72.00 hrs, dt= 0.02 hrs

Reach 3R: (SP1)



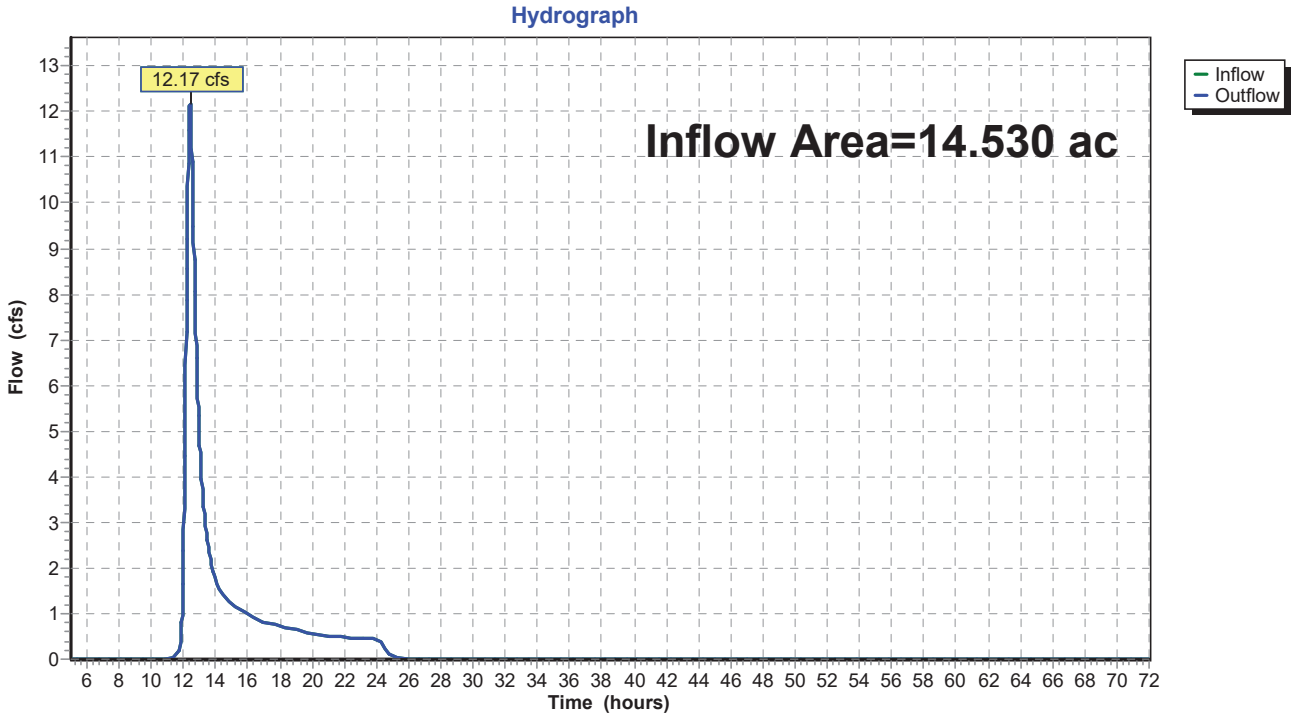
Summary for Reach 4R: (SP2)

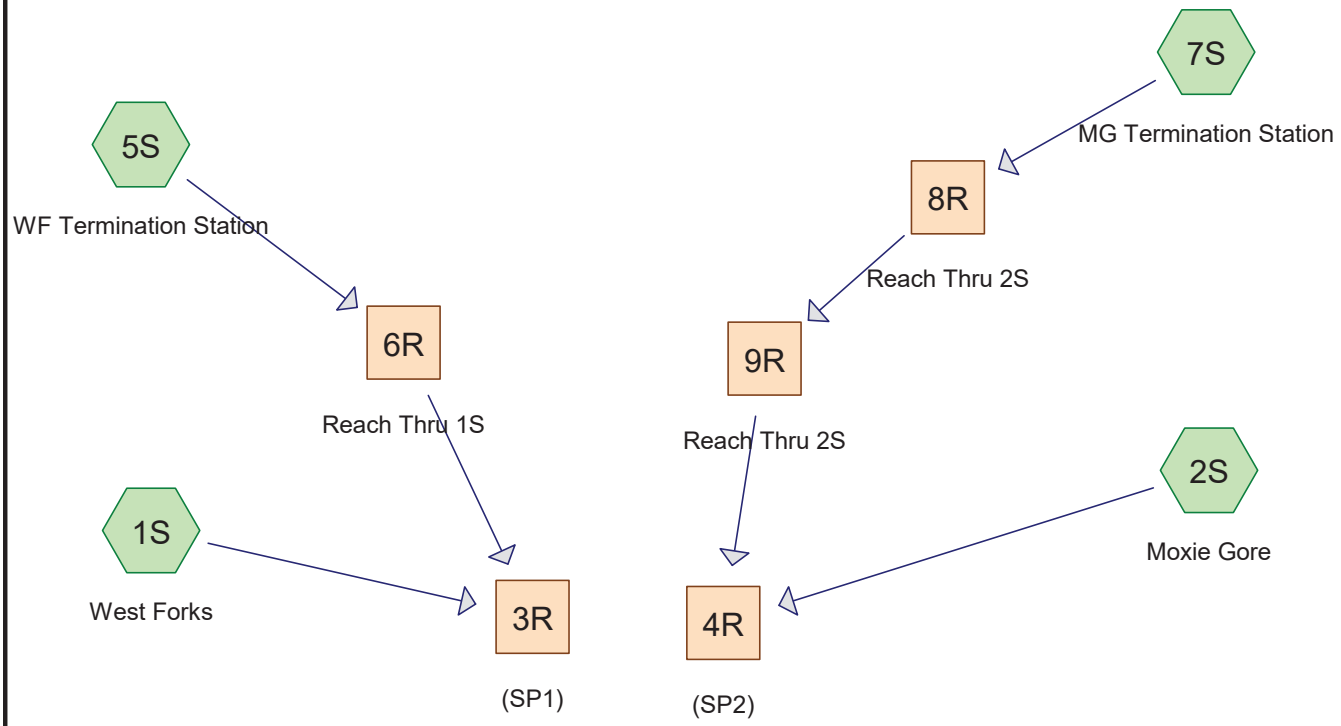
[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 14.530 ac, 0.00% Impervious, Inflow Depth = 1.29" for 25-Year event
Inflow = 12.17 cfs @ 12.40 hrs, Volume= 1.560 af
Outflow = 12.17 cfs @ 12.40 hrs, Volume= 1.560 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-72.00 hrs, dt= 0.02 hrs

Reach 4R: (SP2)





Subcat Reach Pond Link

Routing Diagram for Kennebec HDD Post-Development
Prepared by {enter your company name here}, Printed 5/29/2020
HydroCAD® 10.00-22 s/n 04748 © 2018 HydroCAD Software Solutions LLC

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
0.020	98	Foundations, HSG B (5S, 7S)
0.480	96	Gravel surface, HSG B (1S, 2S)
2.650	58	Meadow, non-grazed, HSG B (1S, 2S)
1.720	55	Substation Surface (5S, 7S)
19.630	66	Woods, Poor, HSG B (1S, 2S)
24.500	**65**	**TOTAL AREA**

Soil Listing (all nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.000	HSG A	
22.780	HSG B	1S, 2S, 5S, 7S
0.000	HSG C	
0.000	HSG D	
1.720	Other	5S, 7S
24.500		**TOTAL AREA**

Time span=5.00-72.00 hrs, dt=0.02 hrs, 3351 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: West Forks Runoff Area=9.100 ac 0.00% Impervious Runoff Depth=0.30"
Flow Length=901' Tc=36.5 min CN=66 Runoff=1.23 cfs 0.230 af

Subcatchment 2S: Moxie Gore Runoff Area=13.660 ac 0.00% Impervious Runoff Depth=0.28"
Flow Length=897' Tc=40.0 min CN=65 Runoff=1.47 cfs 0.313 af

Subcatchment 5S: WF Termination Station Runoff Area=0.870 ac 1.15% Impervious Runoff Depth=0.07"
Tc=6.0 min CN=55 Runoff=0.01 cfs 0.005 af

Subcatchment 7S: MG Termination Station Runoff Area=0.870 ac 1.15% Impervious Runoff Depth=0.07"
Tc=6.0 min CN=55 Runoff=0.01 cfs 0.005 af

Reach 3R: (SP1) Inflow=1.23 cfs 0.235 af
Outflow=1.23 cfs 0.235 af

Reach 4R: (SP2) Inflow=1.47 cfs 0.319 af
Outflow=1.47 cfs 0.319 af

Reach 6R: Reach Thru 1S Avg. Flow Depth=0.00' Max Vel=0.64 fps Inflow=0.01 cfs 0.005 af
n=0.035 L=545.0' S=0.1064 '/' Capacity=43.11 cfs Outflow=0.01 cfs 0.005 af

Reach 8R: Reach Thru 2S Avg. Flow Depth=0.01' Max Vel=0.46 fps Inflow=0.01 cfs 0.005 af
n=0.035 L=255.0' S=0.0561 '/' Capacity=21.96 cfs Outflow=0.01 cfs 0.005 af

Reach 9R: Reach Thru 2S Avg. Flow Depth=0.00' Max Vel=0.10 fps Inflow=0.01 cfs 0.005 af
n=0.100 L=340.0' S=0.0516 '/' Capacity=22.25 cfs Outflow=0.01 cfs 0.005 af

Total Runoff Area = 24.500 ac Runoff Volume = 0.554 af Average Runoff Depth = 0.27"
99.92% Pervious = 24.480 ac 0.08% Impervious = 0.020 ac

Summary for Subcatchment 1S: West Forks

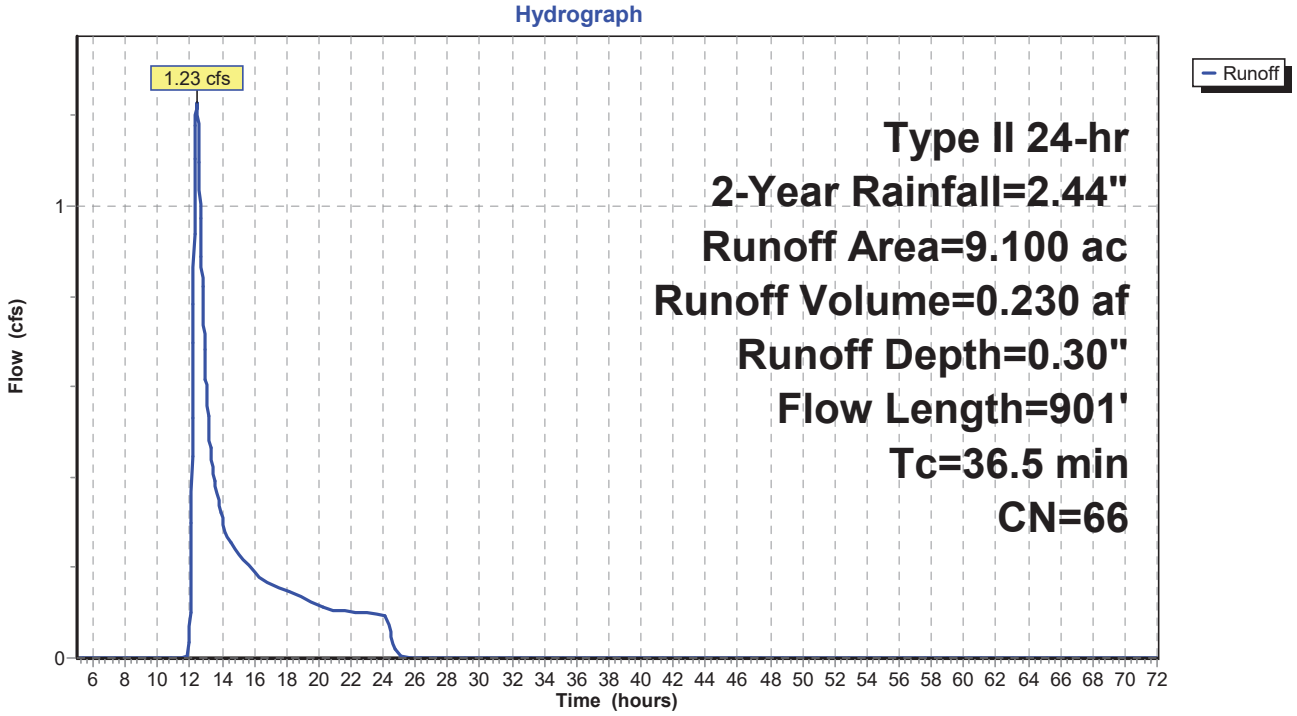
Runoff = 1.23 cfs @ 12.44 hrs, Volume= 0.230 af, Depth= 0.30"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-72.00 hrs, dt= 0.02 hrs
Type II 24-hr 2-Year Rainfall=2.44"

	Area (ac)	CN	Description
	8.600	66	Woods, Poor, HSG B
	0.340	58	Meadow, non-grazed, HSG B
*	0.160	96	Gravel surface, HSG B
	9.100	66	Weighted Average
	9.100		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
23.5	117	0.1227	0.08		**Sheet Flow, Sheet Flow 1** Woods: Dense underbrush n= 0.800 P2= 2.44"
4.2	33	0.1824	0.13		**Sheet Flow, Sheet Flow 2** Woods: Light underbrush n= 0.400 P2= 2.44"
8.8	751	0.0810	1.42		**Shallow Concentrated Flow, SCF 1** Woodland Kv= 5.0 fps
36.5	901	Total			

Subcatchment 1S: West Forks



Summary for Subcatchment 2S: Moxie Gore

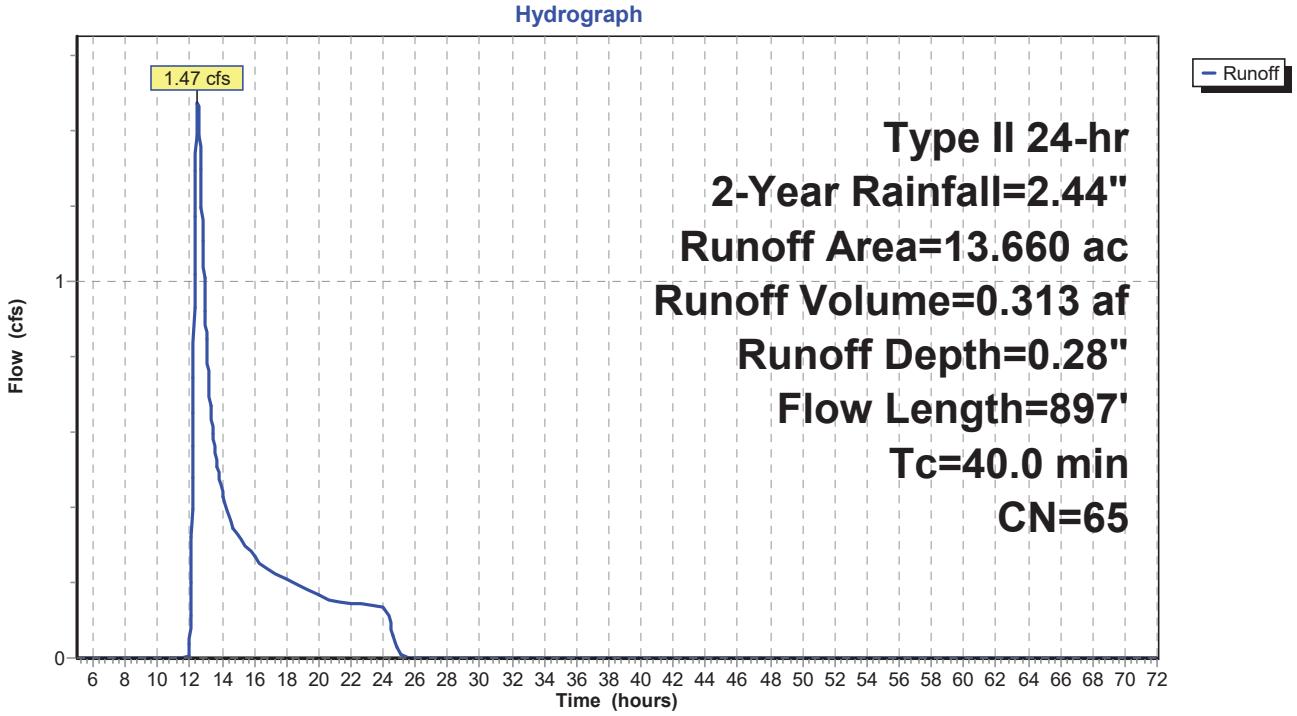
Runoff = 1.47 cfs @ 12.50 hrs, Volume= 0.313 af, Depth= 0.28"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-72.00 hrs, dt= 0.02 hrs
Type II 24-hr 2-Year Rainfall=2.44"

Area (ac)	CN	Description
11.030	66	Woods, Poor, HSG B
0.320	96	Gravel surface, HSG B
2.310	58	Meadow, non-grazed, HSG B
13.660	65	Weighted Average
13.660		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
29.0	150	0.1187	0.09		**Sheet Flow, Sheet Flow 1** Woods: Dense underbrush n= 0.800 P2= 2.44"
8.2	569	0.0530	1.15		**Shallow Concentrated Flow, SCF 1** Woodland Kv= 5.0 fps
2.8	178	0.0087	1.06	10.58	**Channel Flow, Channel Flow 1** Area= 10.0 sf Perim= 15.0' r= 0.67' n= 0.100
40.0	897	Total			

Subcatchment 2S: Moxie Gore



Summary for Subcatchment 5S: WF Termination Station

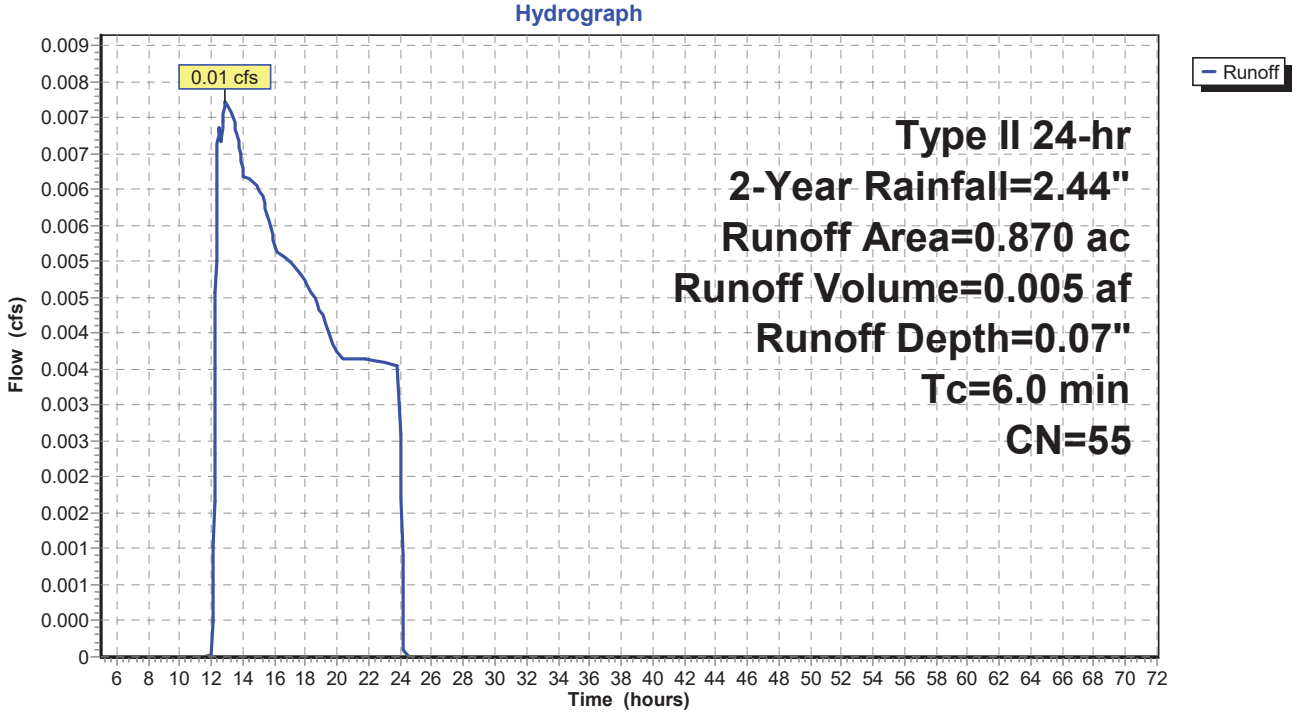
Runoff = 0.01 cfs @ 12.92 hrs, Volume= 0.005 af, Depth= 0.07"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-72.00 hrs, dt= 0.02 hrs
Type II 24-hr 2-Year Rainfall=2.44"

	Area (ac)	CN	Description
*	0.860	55	Substation Surface
*	0.010	98	Foundations, HSG B
	0.870	55	Weighted Average
	0.860		98.85% Pervious Area
	0.010		1.15% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct Entry, 6 min (Minimum)**

Subcatchment 5S: WF Termination Station



Summary for Subcatchment 7S: MG Termination Station

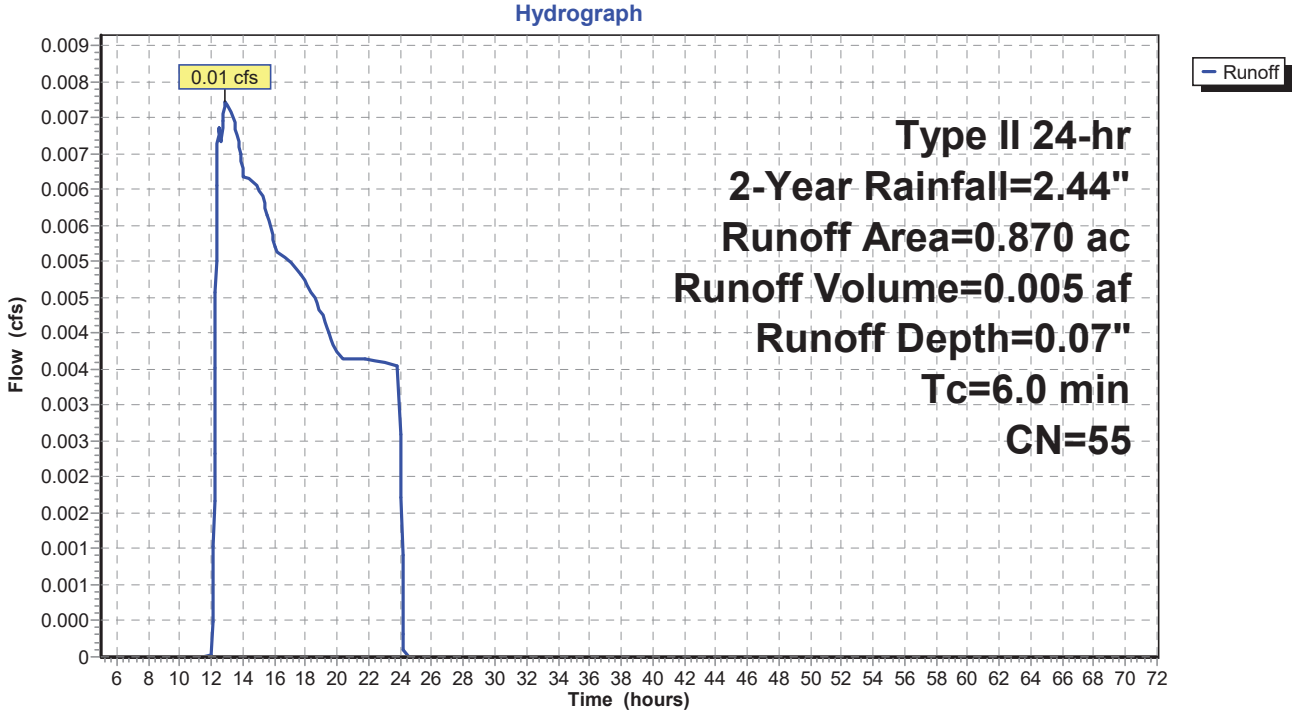
Runoff = 0.01 cfs @ 12.92 hrs, Volume= 0.005 af, Depth= 0.07"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-72.00 hrs, dt= 0.02 hrs
Type II 24-hr 2-Year Rainfall=2.44"

	Area (ac)	CN	Description
*	0.860	55	Substation Surface
*	0.010	98	Foundations, HSG B
	0.870	55	Weighted Average
	0.860		98.85% Pervious Area
	0.010		1.15% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct Entry, 6 min (Minimum)**

Subcatchment 7S: MG Termination Station



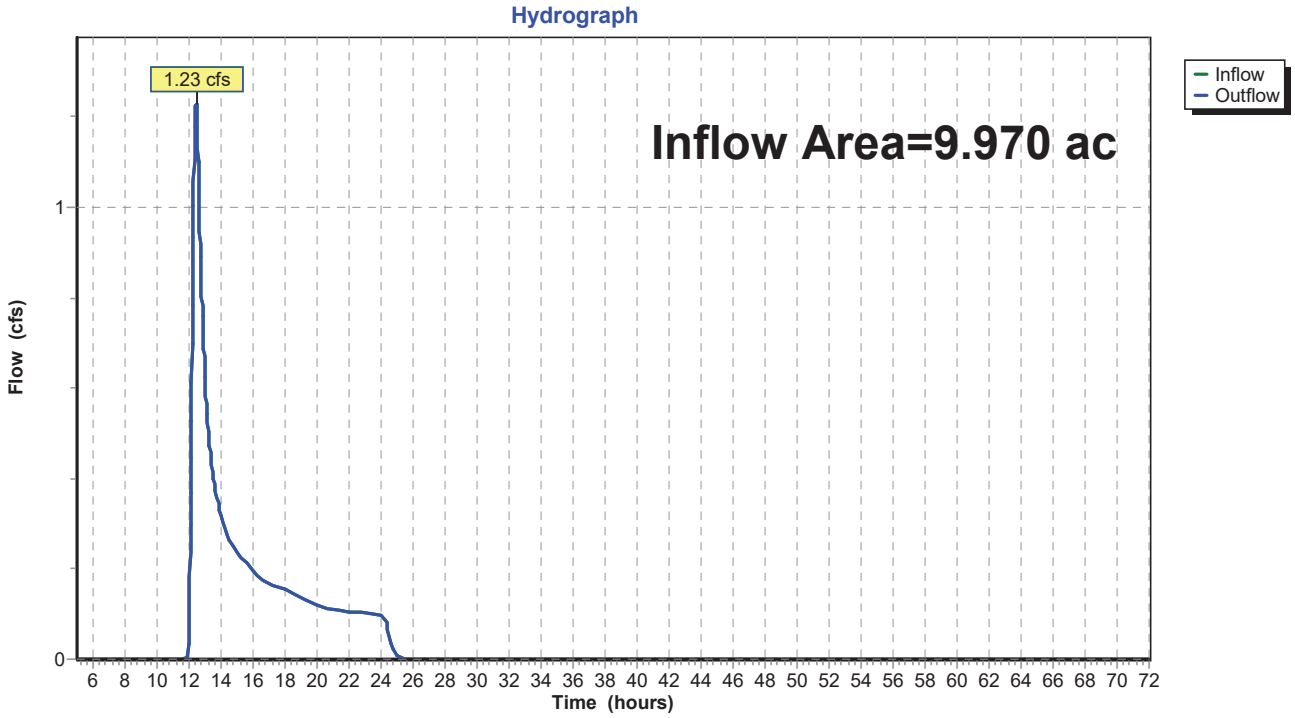
Summary for Reach 3R: (SP1)

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 9.970 ac, 0.10% Impervious, Inflow Depth = 0.28" for 2-Year event
Inflow = 1.23 cfs @ 12.44 hrs, Volume= 0.235 af
Outflow = 1.23 cfs @ 12.44 hrs, Volume= 0.235 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-72.00 hrs, dt= 0.02 hrs

Reach 3R: (SP1)



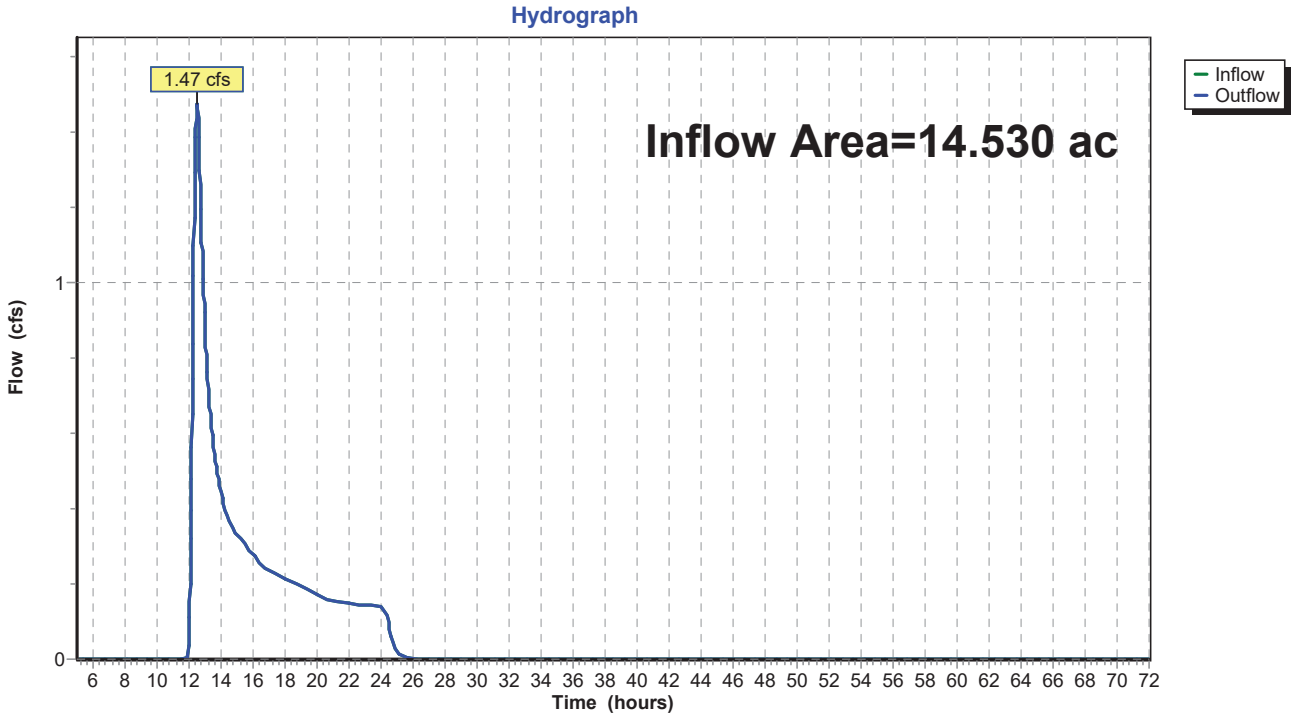
Summary for Reach 4R: (SP2)

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 14.530 ac, 0.07% Impervious, Inflow Depth = 0.26" for 2-Year event
Inflow = 1.47 cfs @ 12.50 hrs, Volume= 0.319 af
Outflow = 1.47 cfs @ 12.50 hrs, Volume= 0.319 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-72.00 hrs, dt= 0.02 hrs

Reach 4R: (SP2)



Summary for Reach 6R: Reach Thru 1S

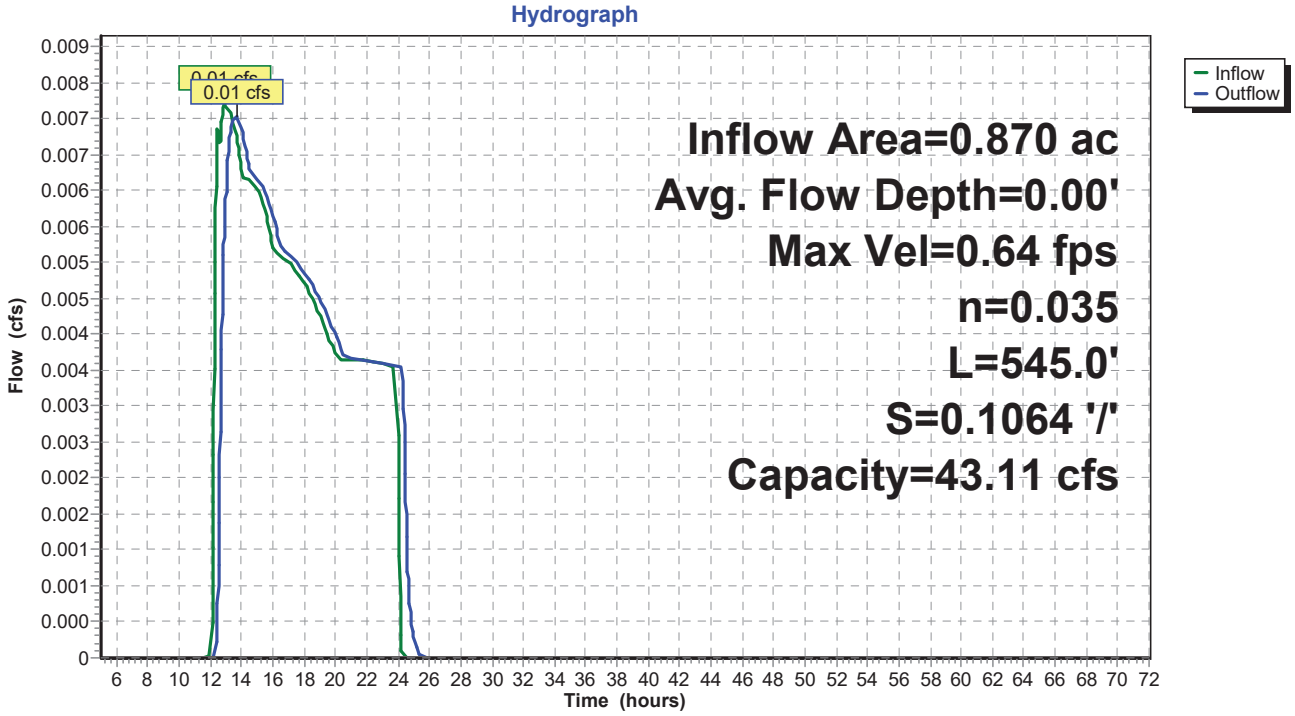
Inflow Area = 0.870 ac, 1.15% Impervious, Inflow Depth = 0.07" for 2-Year event
Inflow = 0.01 cfs @ 12.92 hrs, Volume= 0.005 af
Outflow = 0.01 cfs @ 13.65 hrs, Volume= 0.005 af, Atten= 3%, Lag= 43.6 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-72.00 hrs, dt= 0.02 hrs
Max. Velocity= 0.64 fps, Min. Travel Time= 14.2 min
Avg. Velocity = 0.64 fps, Avg. Travel Time= 14.2 min

Peak Storage= 6 cf @ 13.41 hrs
Average Depth at Peak Storage= 0.00'
Bank-Full Depth= 1.00' Flow Area= 4.0 sf, Capacity= 43.11 cfs

3.00' x 1.00' deep channel, n= 0.035 High grass
Side Slope Z-value= 1.0 '/' Top Width= 5.00'
Length= 545.0' Slope= 0.1064 '/'
Inlet Invert= 938.00', Outlet Invert= 880.00'

Reach 6R: Reach Thru 1S



Summary for Reach 8R: Reach Thru 2S

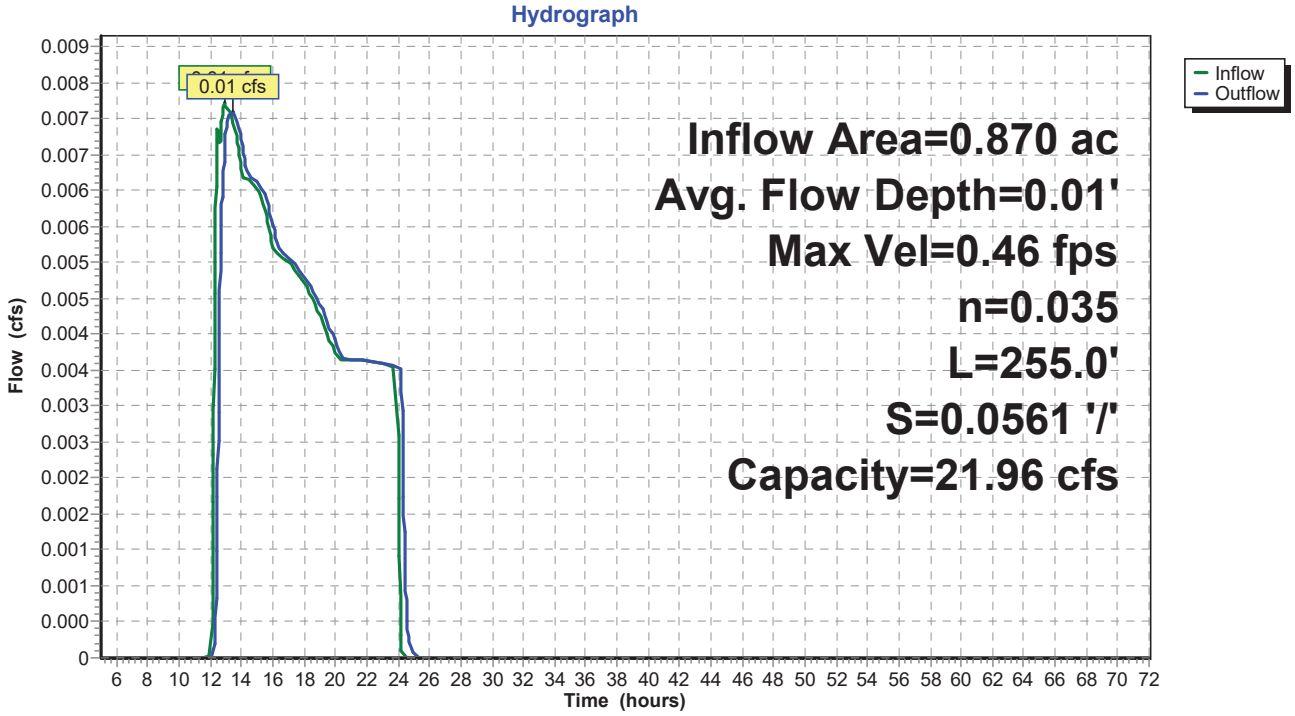
Inflow Area = 0.870 ac, 1.15% Impervious, Inflow Depth = 0.07" for 2-Year event
Inflow = 0.01 cfs @ 12.92 hrs, Volume= 0.005 af
Outflow = 0.01 cfs @ 13.45 hrs, Volume= 0.005 af, Atten= 2%, Lag= 31.7 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-72.00 hrs, dt= 0.02 hrs
Max. Velocity= 0.46 fps, Min. Travel Time= 9.2 min
Avg. Velocity = 0.46 fps, Avg. Travel Time= 9.2 min

Peak Storage= 4 cf @ 13.30 hrs
Average Depth at Peak Storage= 0.01'
Bank-Full Depth= 1.00' Flow Area= 3.0 sf, Capacity= 21.96 cfs

2.00' x 1.00' deep channel, n= 0.035 High grass
Side Slope Z-value= 1.0 '/' Top Width= 4.00'
Length= 255.0' Slope= 0.0561 '/'
Inlet Invert= 894.30', Outlet Invert= 880.00'

Reach 8R: Reach Thru 2S



Summary for Reach 9R: Reach Thru 2S

Inflow Area = 0.870 ac, 1.15% Impervious, Inflow Depth = 0.07" for 2-Year event
Inflow = 0.01 cfs @ 13.45 hrs, Volume= 0.005 af
Outflow = 0.01 cfs @ 16.38 hrs, Volume= 0.005 af, Atten= 15%, Lag= 175.5 min

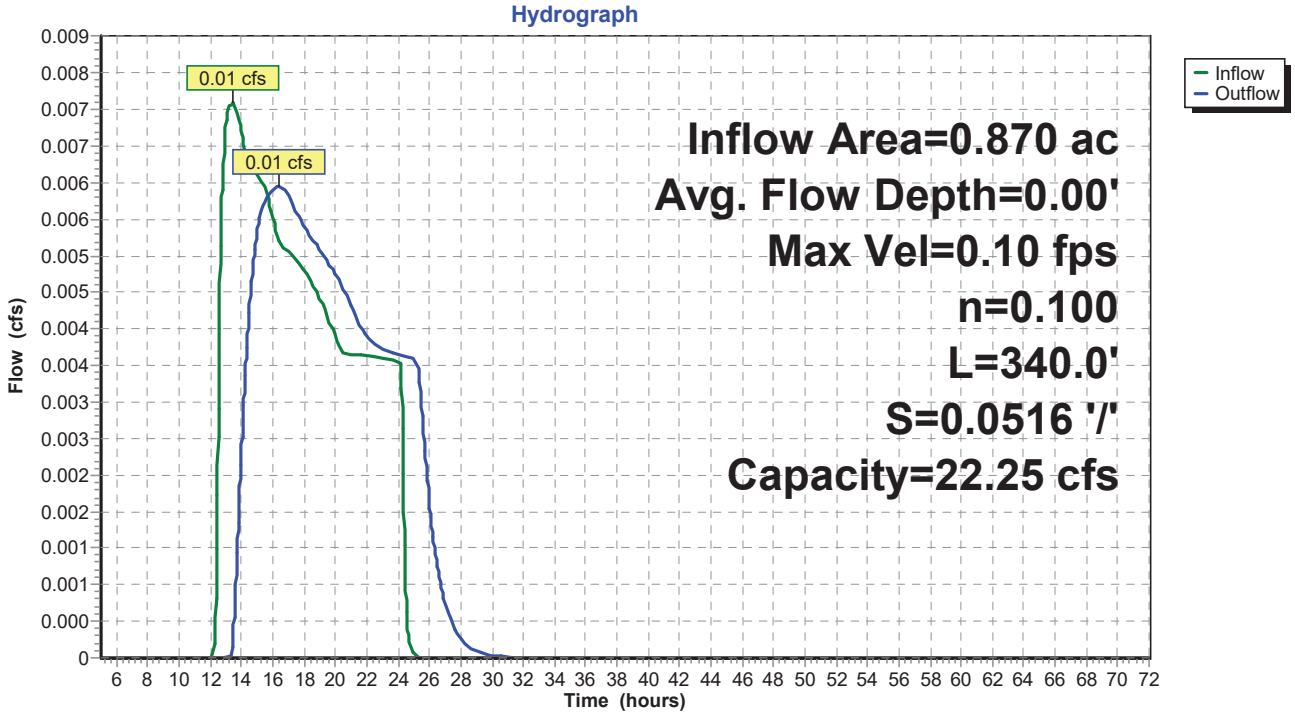
Routing by Stor-Ind+Trans method, Time Span= 5.00-72.00 hrs, dt= 0.02 hrs
Max. Velocity= 0.10 fps, Min. Travel Time= 57.5 min
Avg. Velocity = 0.10 fps, Avg. Travel Time= 57.5 min

Peak Storage= 22 cf @ 15.42 hrs
Average Depth at Peak Storage= 0.00'
Bank-Full Depth= 0.50' Flow Area= 11.3 sf, Capacity= 22.25 cfs

20.00' x 0.50' deep channel, n= 0.100 Very weedy reaches w/pools
Side Slope Z-value= 5.0 '/' Top Width= 25.00'
Length= 340.0' Slope= 0.0516 '/'
Inlet Invert= 880.00', Outlet Invert= 862.45'

‡

Reach 9R: Reach Thru 2S



Time span=5.00-72.00 hrs, dt=0.02 hrs, 3351 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: West Forks Runoff Area=9.100 ac 0.00% Impervious Runoff Depth=0.97"
Flow Length=901' Tc=36.5 min CN=66 Runoff=5.77 cfs 0.734 af

Subcatchment 2S: Moxie Gore Runoff Area=13.660 ac 0.00% Impervious Runoff Depth=0.91"
Flow Length=897' Tc=40.0 min CN=65 Runoff=7.49 cfs 1.041 af

Subcatchment 5S: WF Termination Station Runoff Area=0.870 ac 1.15% Impervious Runoff Depth=0.45"
Tc=6.0 min CN=55 Runoff=0.51 cfs 0.033 af

Subcatchment 7S: MG Termination Station Runoff Area=0.870 ac 1.15% Impervious Runoff Depth=0.45"
Tc=6.0 min CN=55 Runoff=0.51 cfs 0.033 af

Reach 3R: (SP1) Inflow=5.90 cfs 0.767 af
Outflow=5.90 cfs 0.767 af

Reach 4R: (SP2) Inflow=7.62 cfs 1.074 af
Outflow=7.62 cfs 1.074 af

Reach 6R: Reach Thru 1S Avg. Flow Depth=0.06' Max Vel=2.12 fps Inflow=0.51 cfs 0.033 af
n=0.035 L=545.0' S=0.1064 '/' Capacity=43.11 cfs Outflow=0.40 cfs 0.033 af

Reach 8R: Reach Thru 2S Avg. Flow Depth=0.11' Max Vel=2.13 fps Inflow=0.51 cfs 0.033 af
n=0.035 L=255.0' S=0.0561 '/' Capacity=21.96 cfs Outflow=0.47 cfs 0.033 af

Reach 9R: Reach Thru 2S Avg. Flow Depth=0.03' Max Vel=0.31 fps Inflow=0.47 cfs 0.033 af
n=0.100 L=340.0' S=0.0516 '/' Capacity=22.25 cfs Outflow=0.17 cfs 0.033 af

Total Runoff Area = 24.500 ac Runoff Volume = 1.841 af Average Runoff Depth = 0.90"
99.92% Pervious = 24.480 ac 0.08% Impervious = 0.020 ac

Summary for Subcatchment 1S: West Forks

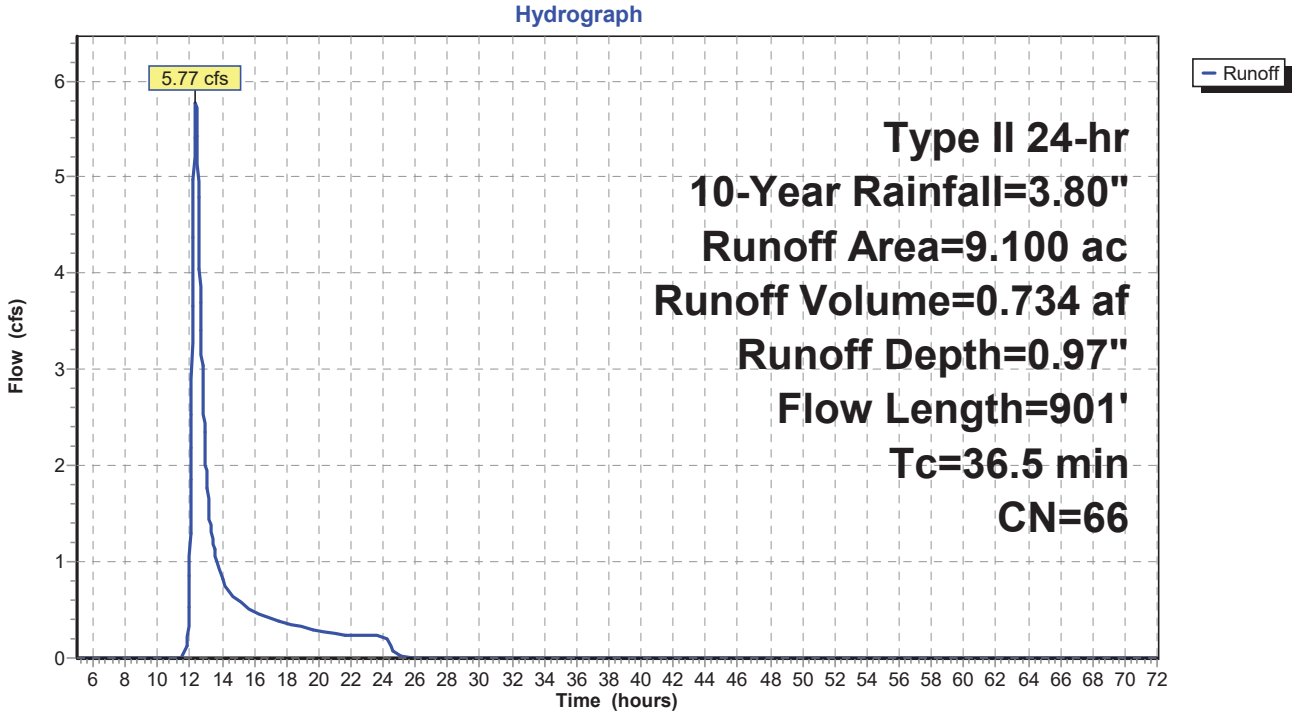
Runoff = 5.77 cfs @ 12.37 hrs, Volume= 0.734 af, Depth= 0.97"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-72.00 hrs, dt= 0.02 hrs
Type II 24-hr 10-Year Rainfall=3.80"

	Area (ac)	CN	Description
	8.600	66	Woods, Poor, HSG B
	0.340	58	Meadow, non-grazed, HSG B
*	0.160	96	Gravel surface, HSG B
	9.100	66	Weighted Average
	9.100		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
23.5	117	0.1227	0.08		**Sheet Flow, Sheet Flow 1** Woods: Dense underbrush n= 0.800 P2= 2.44"
4.2	33	0.1824	0.13		**Sheet Flow, Sheet Flow 2** Woods: Light underbrush n= 0.400 P2= 2.44"
8.8	751	0.0810	1.42		**Shallow Concentrated Flow, SCF 1** Woodland Kv= 5.0 fps
36.5	901	Total			

Subcatchment 1S: West Forks



Summary for Subcatchment 2S: Moxie Gore

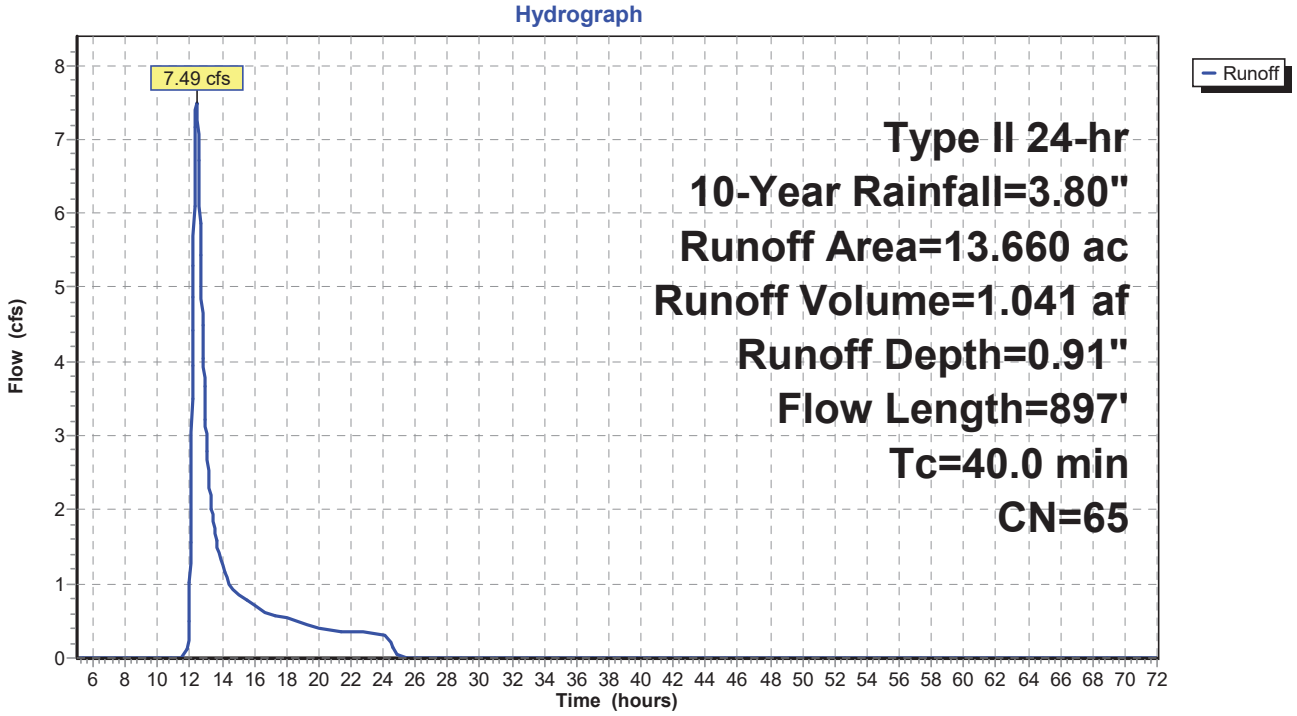
Runoff = 7.49 cfs @ 12.41 hrs, Volume= 1.041 af, Depth= 0.91"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-72.00 hrs, dt= 0.02 hrs
Type II 24-hr 10-Year Rainfall=3.80"

Area (ac)	CN	Description
11.030	66	Woods, Poor, HSG B
0.320	96	Gravel surface, HSG B
2.310	58	Meadow, non-grazed, HSG B
13.660	65	Weighted Average
13.660		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
29.0	150	0.1187	0.09		**Sheet Flow, Sheet Flow 1** Woods: Dense underbrush n= 0.800 P2= 2.44"
8.2	569	0.0530	1.15		**Shallow Concentrated Flow, SCF 1** Woodland Kv= 5.0 fps
2.8	178	0.0087	1.06	10.58	**Channel Flow, Channel Flow 1** Area= 10.0 sf Perim= 15.0' r= 0.67' n= 0.100
40.0	897	Total			

Subcatchment 2S: Moxie Gore



Summary for Subcatchment 5S: WF Termination Station

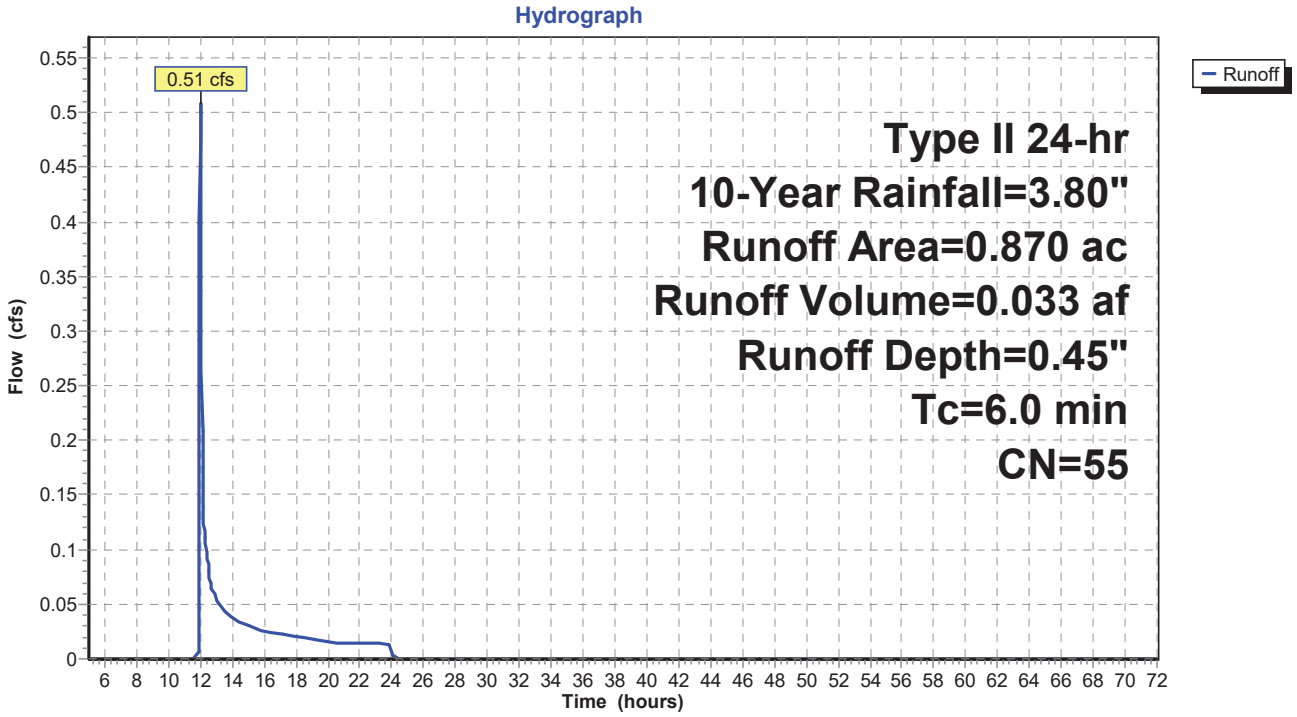
Runoff = 0.51 cfs @ 12.00 hrs, Volume= 0.033 af, Depth= 0.45"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-72.00 hrs, dt= 0.02 hrs
Type II 24-hr 10-Year Rainfall=3.80"

	Area (ac)	CN	Description
*	0.860	55	Substation Surface
*	0.010	98	Foundations, HSG B
	0.870	55	Weighted Average
	0.860		98.85% Pervious Area
	0.010		1.15% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct Entry, 6 min (Minimum)**

Subcatchment 5S: WF Termination Station



Summary for Subcatchment 7S: MG Termination Station

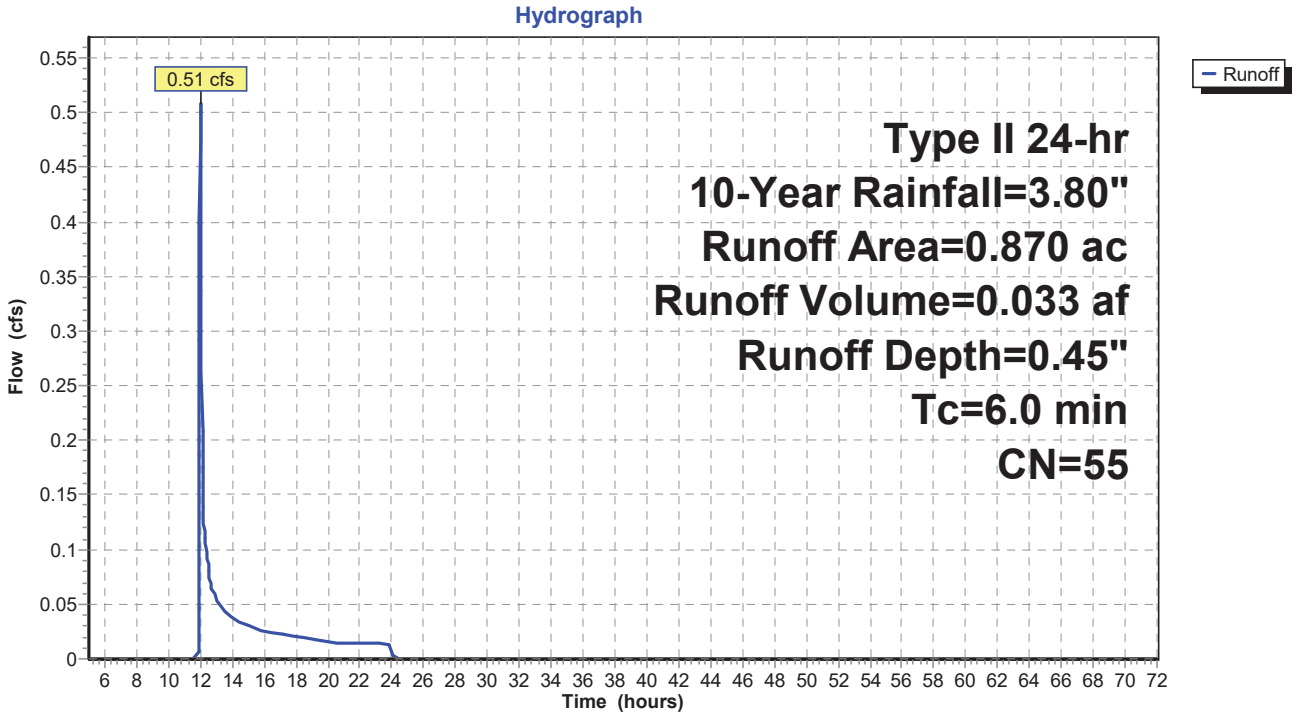
Runoff = 0.51 cfs @ 12.00 hrs, Volume= 0.033 af, Depth= 0.45"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-72.00 hrs, dt= 0.02 hrs
Type II 24-hr 10-Year Rainfall=3.80"

	Area (ac)	CN	Description
*	0.860	55	Substation Surface
*	0.010	98	Foundations, HSG B
	0.870	55	Weighted Average
	0.860		98.85% Pervious Area
	0.010		1.15% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct Entry, 6 min (Minimum)**

Subcatchment 7S: MG Termination Station



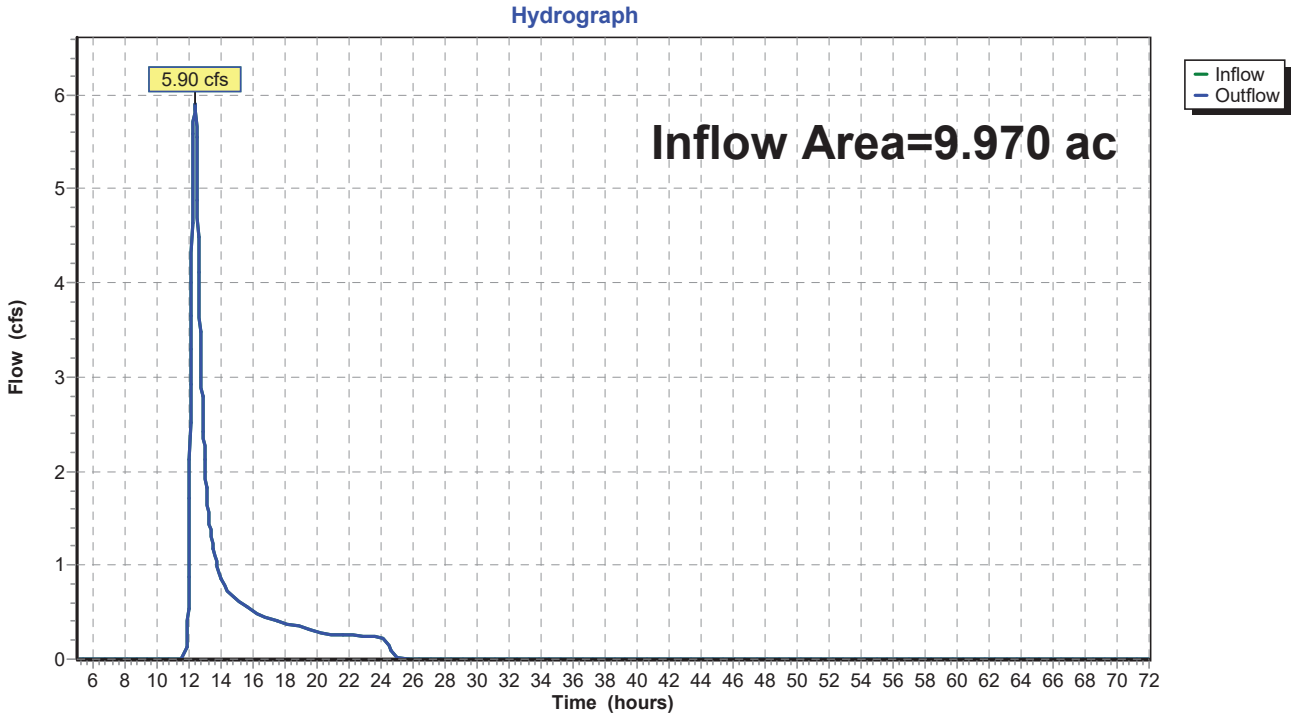
Summary for Reach 3R: (SP1)

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 9.970 ac, 0.10% Impervious, Inflow Depth = 0.92" for 10-Year event
Inflow = 5.90 cfs @ 12.36 hrs, Volume= 0.767 af
Outflow = 5.90 cfs @ 12.36 hrs, Volume= 0.767 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-72.00 hrs, dt= 0.02 hrs

Reach 3R: (SP1)



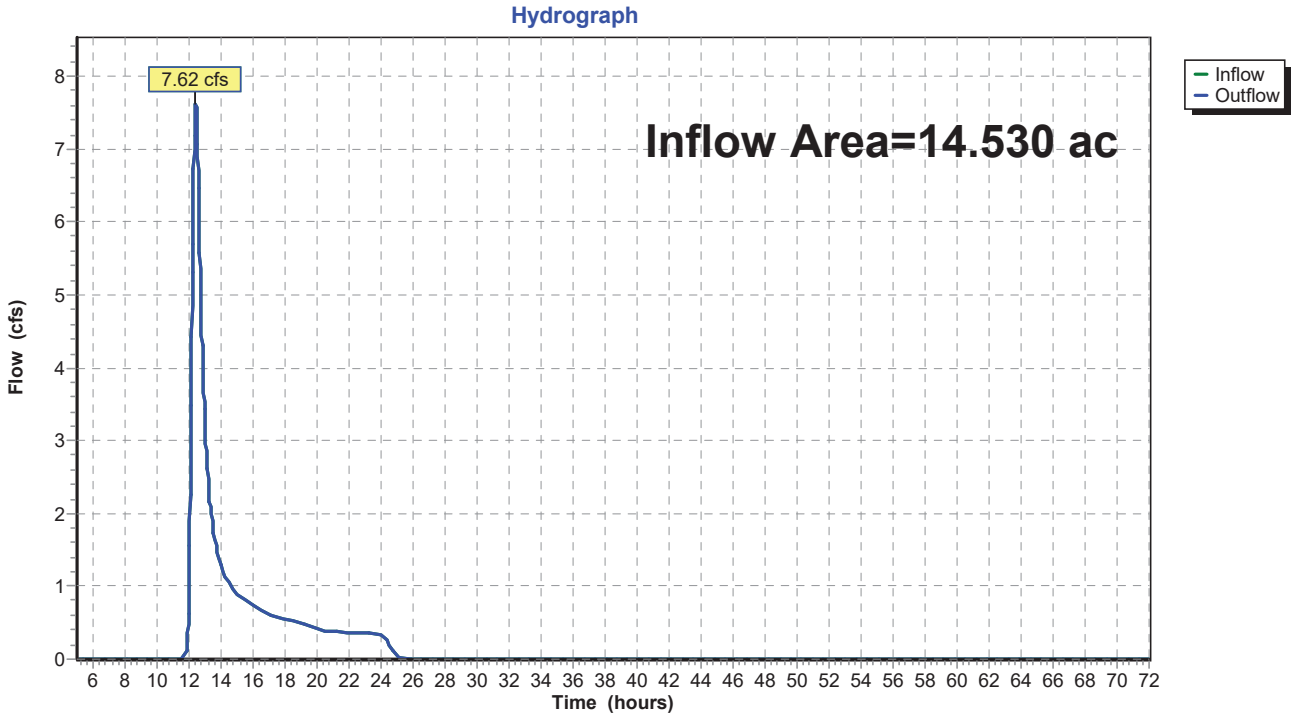
Summary for Reach 4R: (SP2)

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 14.530 ac, 0.07% Impervious, Inflow Depth = 0.89" for 10-Year event
Inflow = 7.62 cfs @ 12.42 hrs, Volume= 1.074 af
Outflow = 7.62 cfs @ 12.42 hrs, Volume= 1.074 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-72.00 hrs, dt= 0.02 hrs

Reach 4R: (SP2)



Summary for Reach 6R: Reach Thru 1S

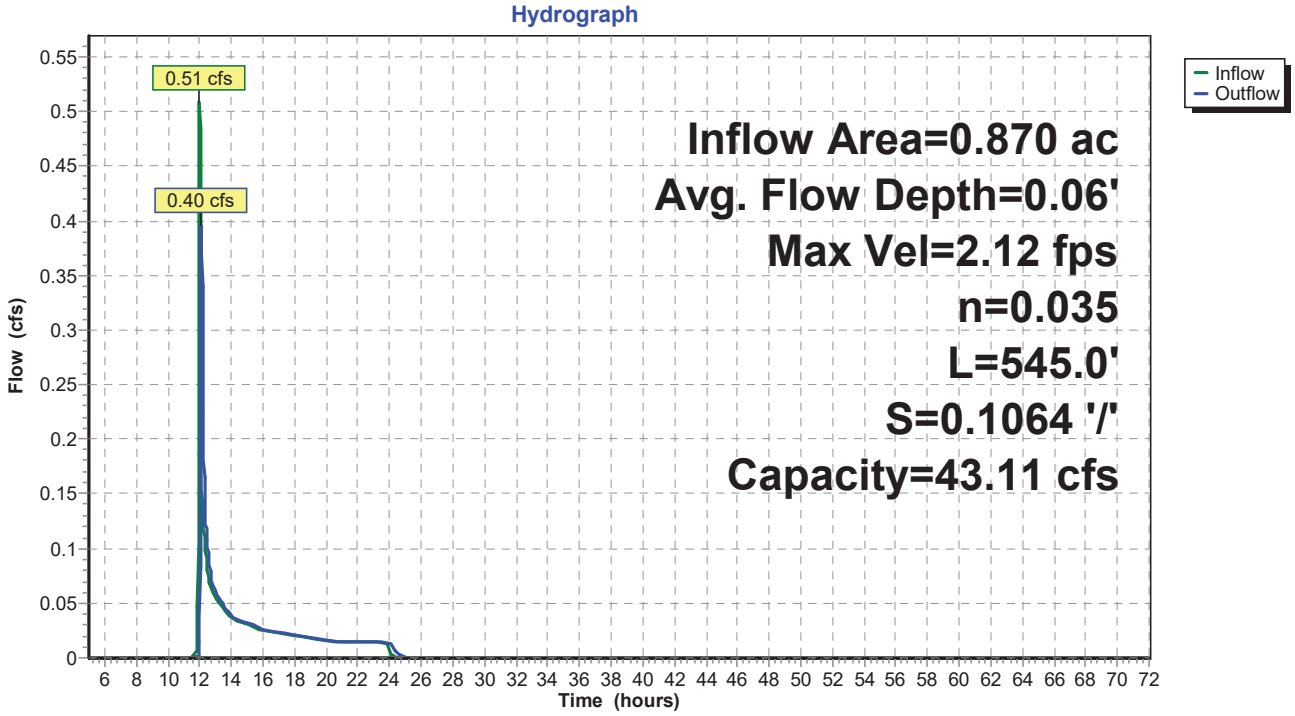
Inflow Area = 0.870 ac, 1.15% Impervious, Inflow Depth = 0.45" for 10-Year event
Inflow = 0.51 cfs @ 12.00 hrs, Volume= 0.033 af
Outflow = 0.40 cfs @ 12.12 hrs, Volume= 0.033 af, Atten= 22%, Lag= 7.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-72.00 hrs, dt= 0.02 hrs
Max. Velocity= 2.12 fps, Min. Travel Time= 4.3 min
Avg. Velocity = 0.75 fps, Avg. Travel Time= 12.1 min

Peak Storage= 103 cf @ 12.05 hrs
Average Depth at Peak Storage= 0.06'
Bank-Full Depth= 1.00' Flow Area= 4.0 sf, Capacity= 43.11 cfs

3.00' x 1.00' deep channel, n= 0.035 High grass
Side Slope Z-value= 1.0 '/' Top Width= 5.00'
Length= 545.0' Slope= 0.1064 '/'
Inlet Invert= 938.00', Outlet Invert= 880.00'

Reach 6R: Reach Thru 1S



Summary for Reach 8R: Reach Thru 2S

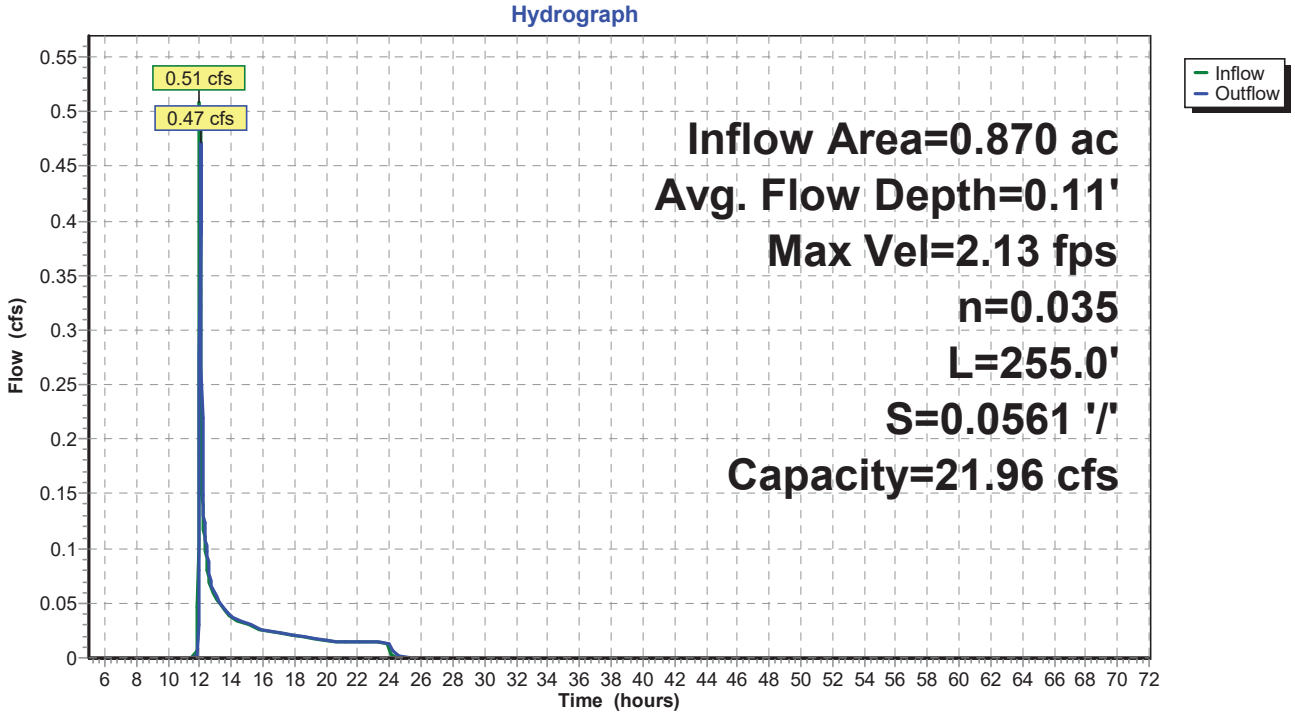
Inflow Area = 0.870 ac, 1.15% Impervious, Inflow Depth = 0.45" for 10-Year event
Inflow = 0.51 cfs @ 12.00 hrs, Volume= 0.033 af
Outflow = 0.47 cfs @ 12.06 hrs, Volume= 0.033 af, Atten= 7%, Lag= 3.4 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-72.00 hrs, dt= 0.02 hrs
Max. Velocity= 2.13 fps, Min. Travel Time= 2.0 min
Avg. Velocity = 0.70 fps, Avg. Travel Time= 6.1 min

Peak Storage= 57 cf @ 12.02 hrs
Average Depth at Peak Storage= 0.11'
Bank-Full Depth= 1.00' Flow Area= 3.0 sf, Capacity= 21.96 cfs

2.00' x 1.00' deep channel, n= 0.035 High grass
Side Slope Z-value= 1.0 '/' Top Width= 4.00'
Length= 255.0' Slope= 0.0561 '/'
Inlet Invert= 894.30', Outlet Invert= 880.00'

Reach 8R: Reach Thru 2S



Summary for Reach 9R: Reach Thru 2S

[61] Hint: Exceeded Reach 8R outlet invert by 0.03' @ 12.20 hrs

Inflow Area = 0.870 ac, 1.15% Impervious, Inflow Depth = 0.45" for 10-Year event
Inflow = 0.47 cfs @ 12.06 hrs, Volume= 0.033 af
Outflow = 0.17 cfs @ 12.50 hrs, Volume= 0.033 af, Atten= 63%, Lag= 26.3 min

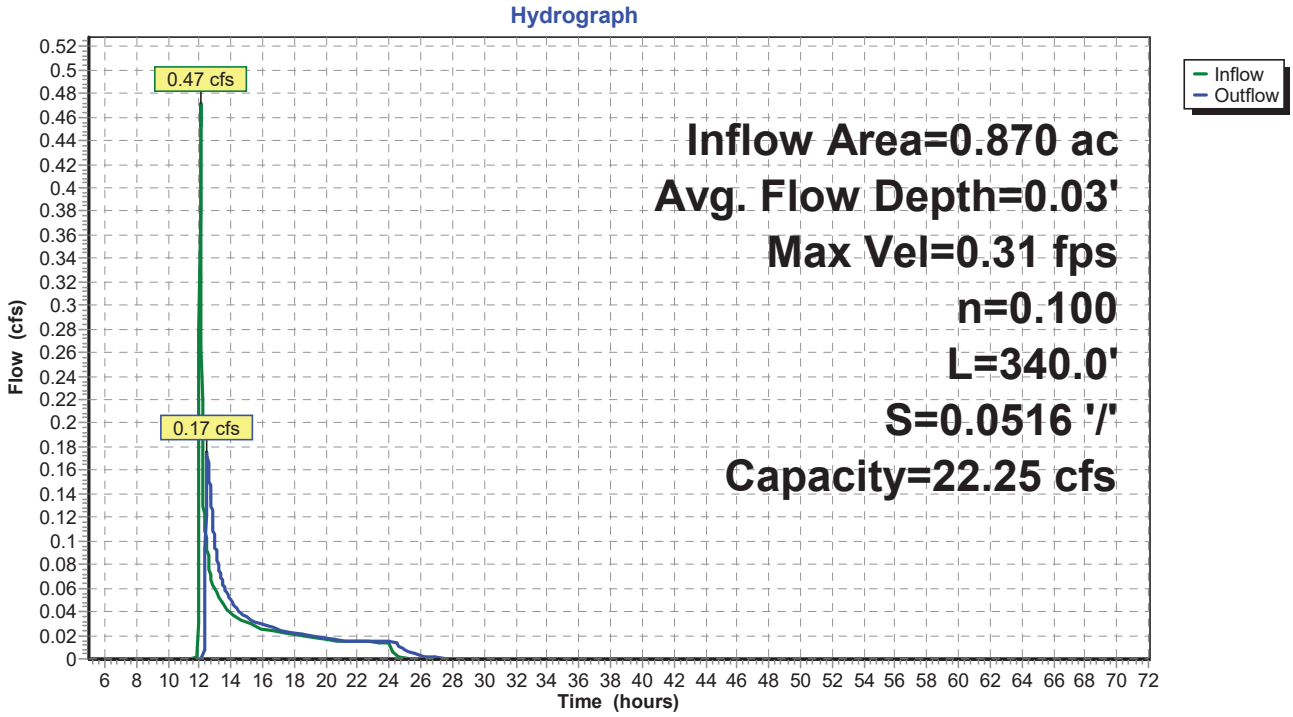
Routing by Stor-Ind+Trans method, Time Span= 5.00-72.00 hrs, dt= 0.02 hrs
Max. Velocity= 0.31 fps, Min. Travel Time= 18.2 min
Avg. Velocity = 0.13 fps, Avg. Travel Time= 42.9 min

Peak Storage= 191 cf @ 12.19 hrs
Average Depth at Peak Storage= 0.03'
Bank-Full Depth= 0.50' Flow Area= 11.3 sf, Capacity= 22.25 cfs

20.00' x 0.50' deep channel, n= 0.100 Very weedy reaches w/pools
Side Slope Z-value= 5.0 '/' Top Width= 25.00'
Length= 340.0' Slope= 0.0516 '/'
Inlet Invert= 880.00', Outlet Invert= 862.45'

‡

Reach 9R: Reach Thru 2S



Time span=5.00-72.00 hrs, dt=0.02 hrs, 3351 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: West Forks Runoff Area=9.100 ac 0.00% Impervious Runoff Depth=1.23"
Flow Length=901' Tc=36.5 min CN=66 Runoff=7.62 cfs 0.930 af

Subcatchment 2S: Moxie Gore Runoff Area=13.660 ac 0.00% Impervious Runoff Depth=1.16"
Flow Length=897' Tc=40.0 min CN=65 Runoff=10.02 cfs 1.326 af

Subcatchment 5S: WF Termination Station Runoff Area=0.870 ac 1.15% Impervious Runoff Depth=0.62"
Tc=6.0 min CN=55 Runoff=0.79 cfs 0.045 af

Subcatchment 7S: MG Termination Station Runoff Area=0.870 ac 1.15% Impervious Runoff Depth=0.62"
Tc=6.0 min CN=55 Runoff=0.79 cfs 0.045 af

Reach 3R: (SP1) Inflow=7.79 cfs 0.975 af
Outflow=7.79 cfs 0.975 af

Reach 4R: (SP2) Inflow=10.36 cfs 1.371 af
Outflow=10.36 cfs 1.371 af

Reach 6R: Reach Thru 1S Avg. Flow Depth=0.09' Max Vel=2.59 fps Inflow=0.79 cfs 0.045 af
n=0.035 L=545.0' S=0.1064 '/' Capacity=43.11 cfs Outflow=0.68 cfs 0.045 af

Reach 8R: Reach Thru 2S Avg. Flow Depth=0.14' Max Vel=2.52 fps Inflow=0.79 cfs 0.045 af
n=0.035 L=255.0' S=0.0561 '/' Capacity=21.96 cfs Outflow=0.75 cfs 0.045 af

Reach 9R: Reach Thru 2S Avg. Flow Depth=0.04' Max Vel=0.41 fps Inflow=0.75 cfs 0.045 af
n=0.100 L=340.0' S=0.0516 '/' Capacity=22.25 cfs Outflow=0.34 cfs 0.045 af

Total Runoff Area = 24.500 ac Runoff Volume = 2.346 af Average Runoff Depth = 1.15"
99.92% Pervious = 24.480 ac 0.08% Impervious = 0.020 ac

Summary for Subcatchment 1S: West Forks

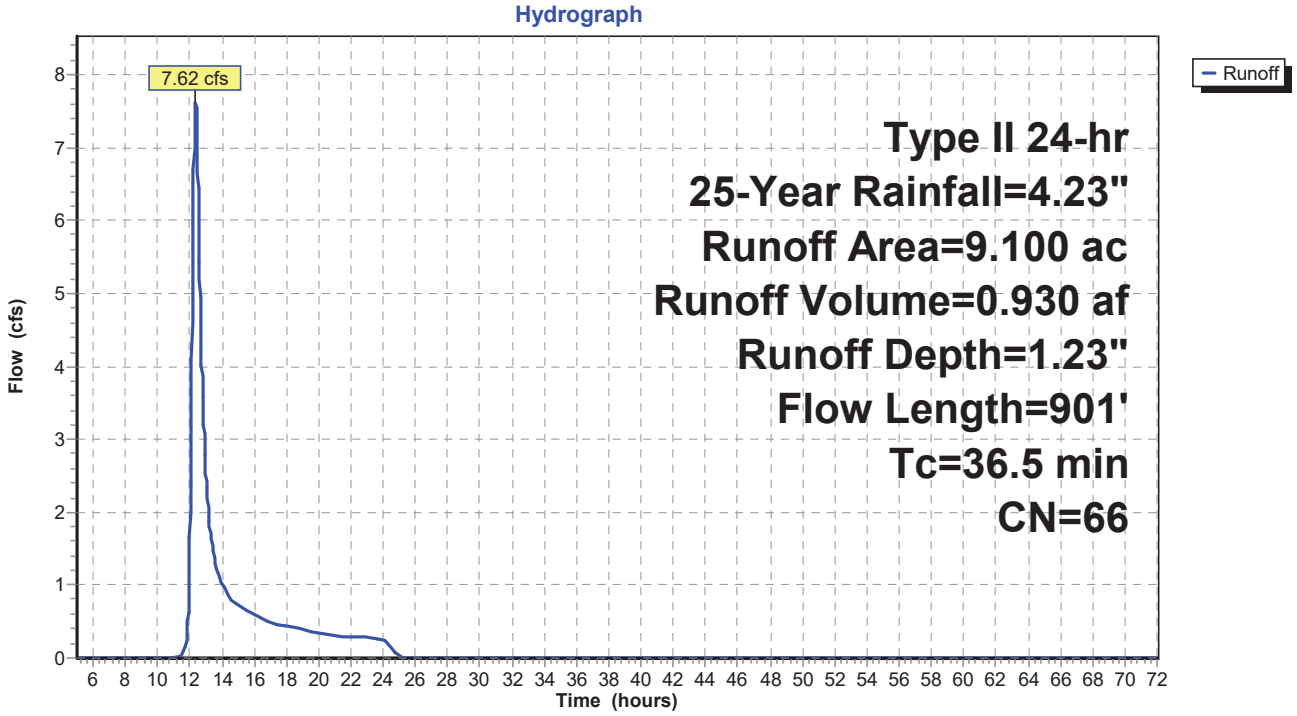
Runoff = 7.62 cfs @ 12.36 hrs, Volume= 0.930 af, Depth= 1.23"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-72.00 hrs, dt= 0.02 hrs
Type II 24-hr 25-Year Rainfall=4.23"

	Area (ac)	CN	Description
	8.600	66	Woods, Poor, HSG B
	0.340	58	Meadow, non-grazed, HSG B
*	0.160	96	Gravel surface, HSG B
	9.100	66	Weighted Average
	9.100		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
23.5	117	0.1227	0.08		**Sheet Flow, Sheet Flow 1** Woods: Dense underbrush n= 0.800 P2= 2.44"
4.2	33	0.1824	0.13		**Sheet Flow, Sheet Flow 2** Woods: Light underbrush n= 0.400 P2= 2.44"
8.8	751	0.0810	1.42		**Shallow Concentrated Flow, SCF 1** Woodland Kv= 5.0 fps
36.5	901	Total			

Subcatchment 1S: West Forks



Summary for Subcatchment 2S: Moxie Gore

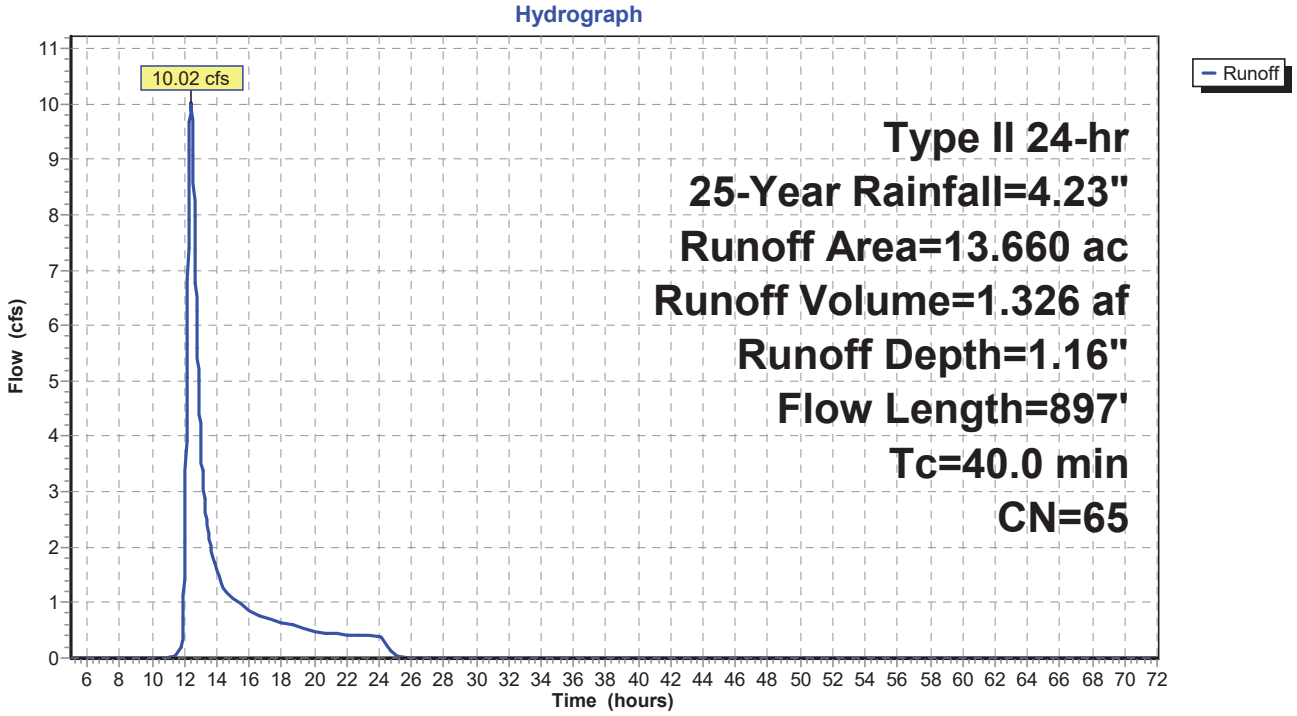
Runoff = 10.02 cfs @ 12.40 hrs, Volume= 1.326 af, Depth= 1.16"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-72.00 hrs, dt= 0.02 hrs
Type II 24-hr 25-Year Rainfall=4.23"

Area (ac)	CN	Description
11.030	66	Woods, Poor, HSG B
0.320	96	Gravel surface, HSG B
2.310	58	Meadow, non-grazed, HSG B
13.660	65	Weighted Average
13.660		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
29.0	150	0.1187	0.09		**Sheet Flow, Sheet Flow 1** Woods: Dense underbrush n= 0.800 P2= 2.44"
8.2	569	0.0530	1.15		**Shallow Concentrated Flow, SCF 1** Woodland Kv= 5.0 fps
2.8	178	0.0087	1.06	10.58	**Channel Flow, Channel Flow 1** Area= 10.0 sf Perim= 15.0' r= 0.67' n= 0.100
40.0	897	Total			

Subcatchment 2S: Moxie Gore



Summary for Subcatchment 5S: WF Termination Station

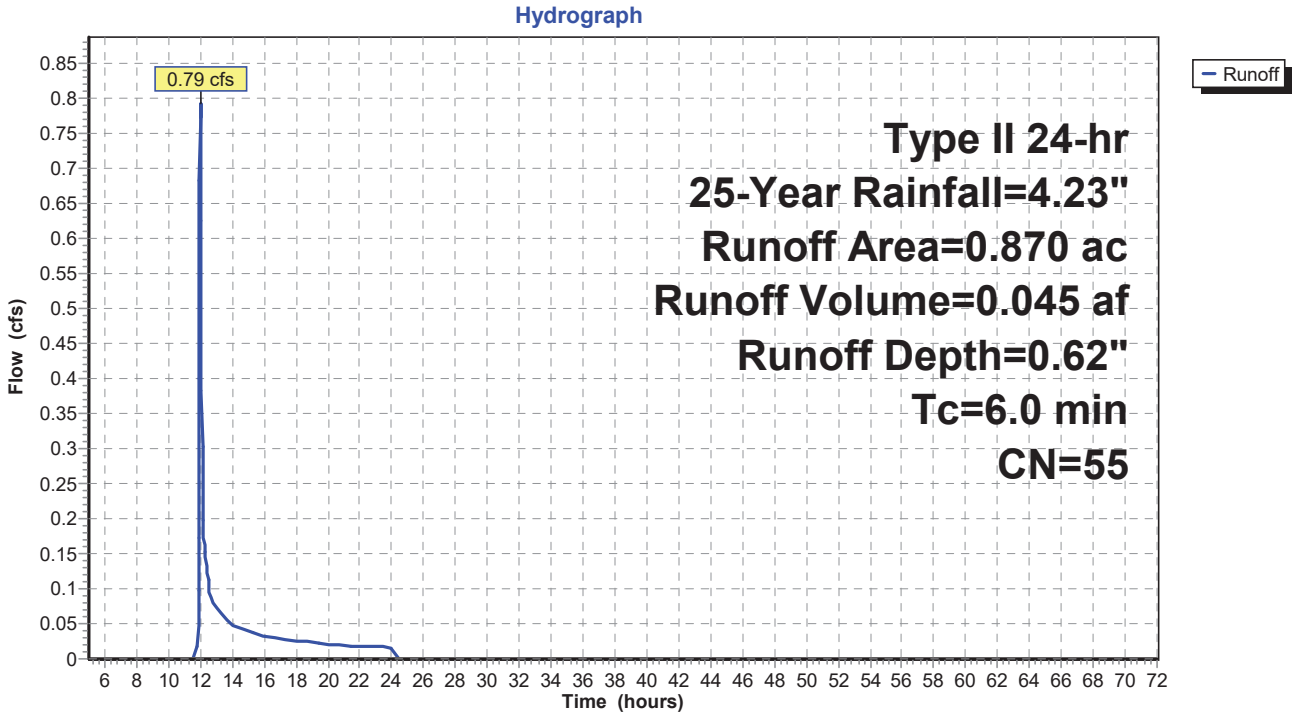
Runoff = 0.79 cfs @ 12.00 hrs, Volume= 0.045 af, Depth= 0.62"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-72.00 hrs, dt= 0.02 hrs
Type II 24-hr 25-Year Rainfall=4.23"

	Area (ac)	CN	Description
*	0.860	55	Substation Surface
*	0.010	98	Foundations, HSG B
	0.870	55	Weighted Average
	0.860		98.85% Pervious Area
	0.010		1.15% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct Entry, 6 min (Minimum)**

Subcatchment 5S: WF Termination Station



Summary for Subcatchment 7S: MG Termination Station

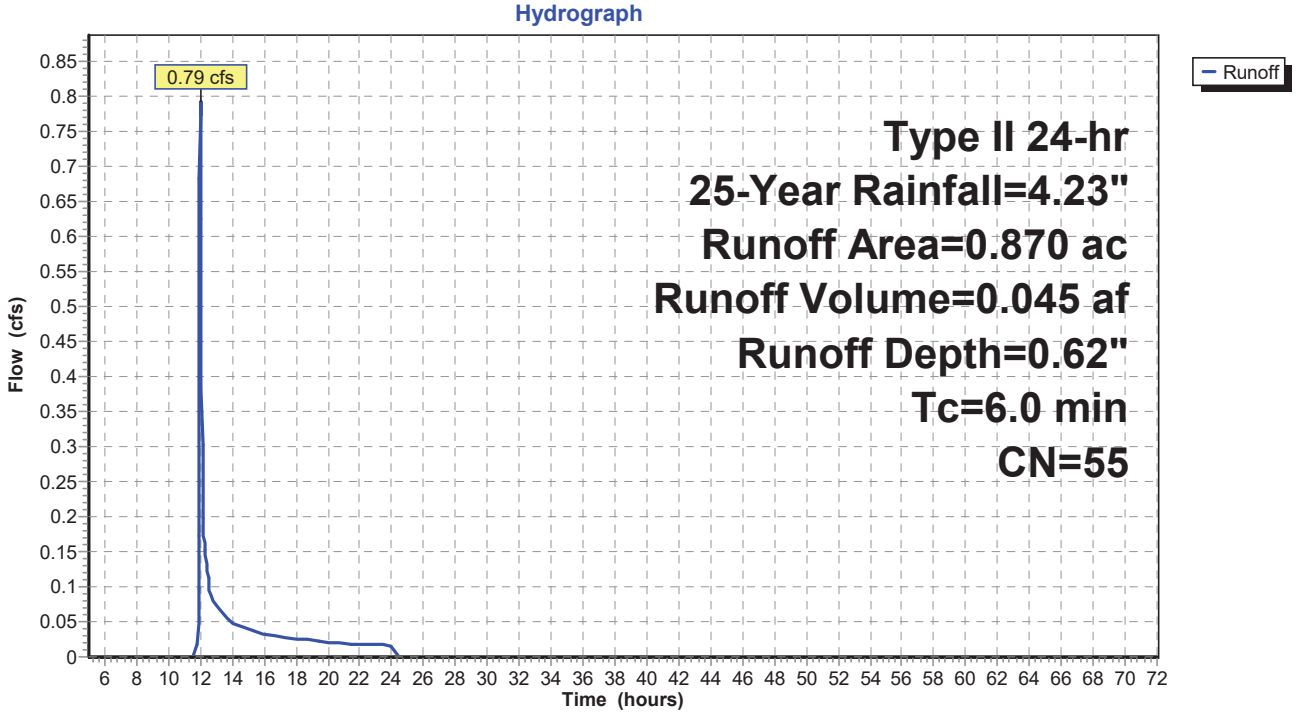
Runoff = 0.79 cfs @ 12.00 hrs, Volume= 0.045 af, Depth= 0.62"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-72.00 hrs, dt= 0.02 hrs
Type II 24-hr 25-Year Rainfall=4.23"

	Area (ac)	CN	Description
*	0.860	55	Substation Surface
*	0.010	98	Foundations, HSG B
	0.870	55	Weighted Average
	0.860		98.85% Pervious Area
	0.010		1.15% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct Entry, 6 min (Minimum)**

Subcatchment 7S: MG Termination Station



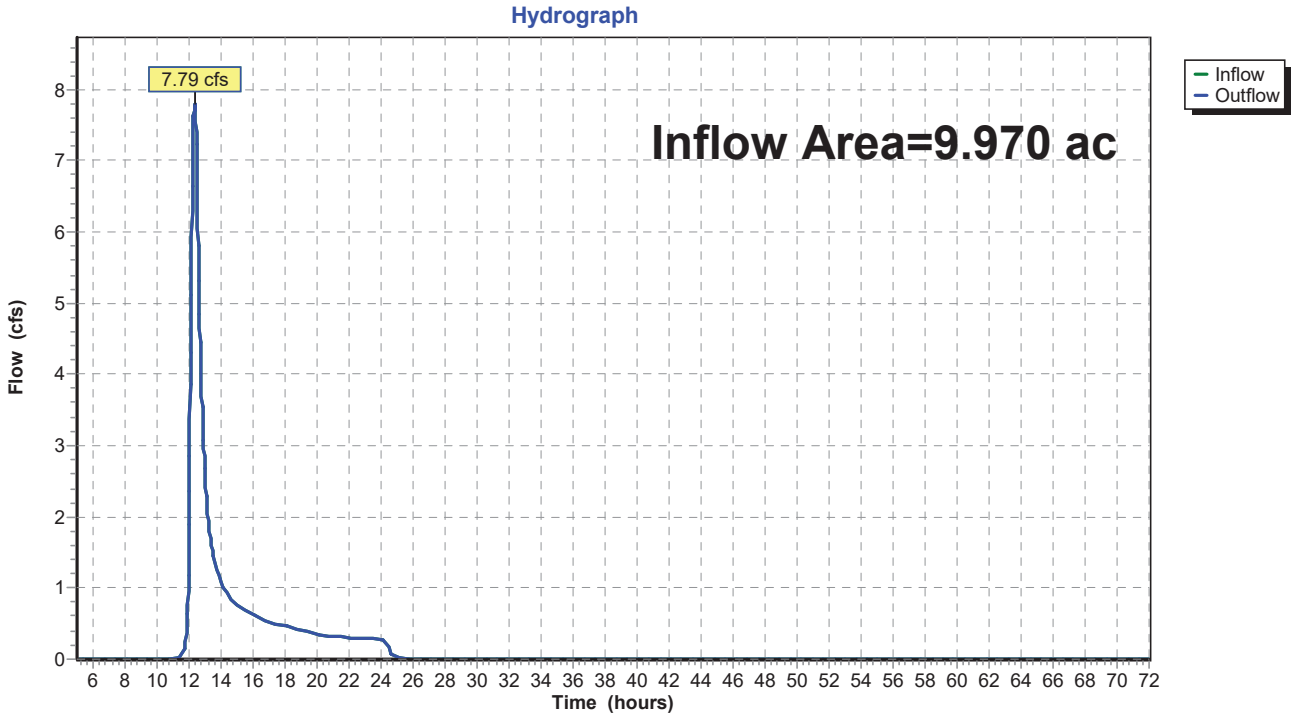
Summary for Reach 3R: (SP1)

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 9.970 ac, 0.10% Impervious, Inflow Depth = 1.17" for 25-Year event
Inflow = 7.79 cfs @ 12.36 hrs, Volume= 0.975 af
Outflow = 7.79 cfs @ 12.36 hrs, Volume= 0.975 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-72.00 hrs, dt= 0.02 hrs

Reach 3R: (SP1)



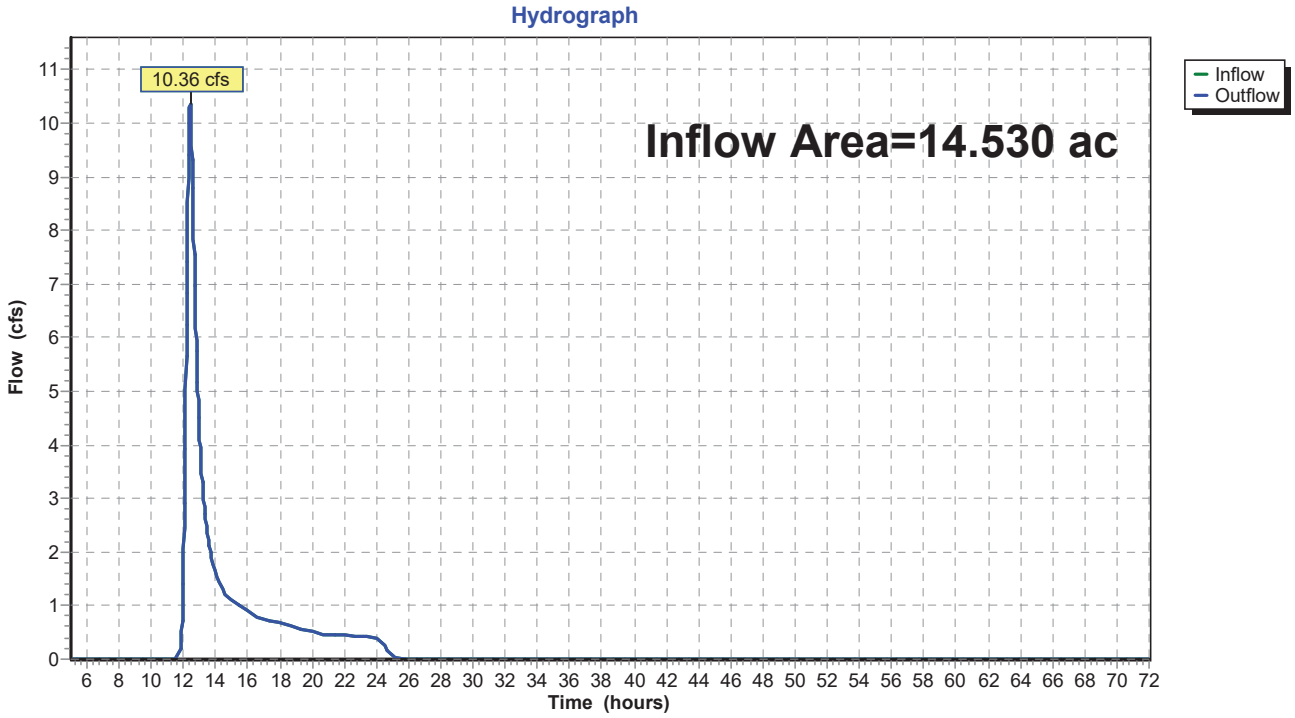
Summary for Reach 4R: (SP2)

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 14.530 ac, 0.07% Impervious, Inflow Depth = 1.13" for 25-Year event
Inflow = 10.36 cfs @ 12.40 hrs, Volume= 1.371 af
Outflow = 10.36 cfs @ 12.40 hrs, Volume= 1.371 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-72.00 hrs, dt= 0.02 hrs

Reach 4R: (SP2)



Summary for Reach 6R: Reach Thru 1S

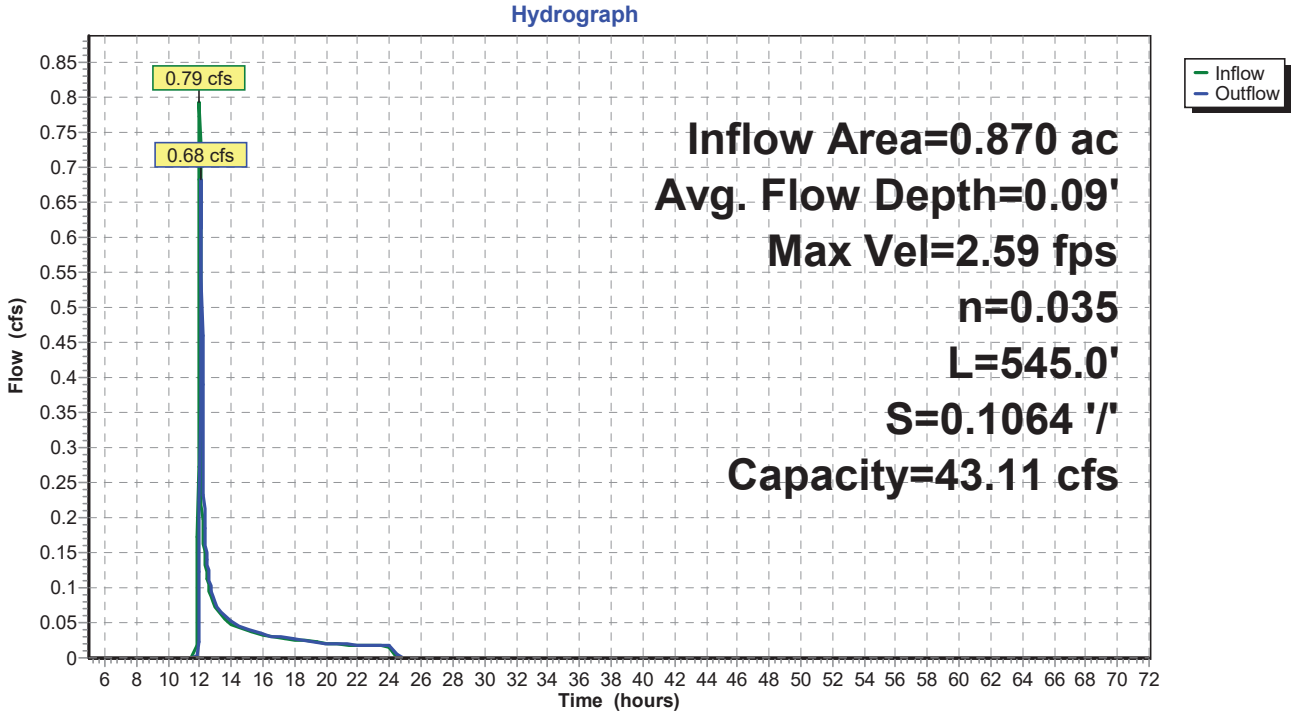
Inflow Area = 0.870 ac, 1.15% Impervious, Inflow Depth = 0.62" for 25-Year event
Inflow = 0.79 cfs @ 12.00 hrs, Volume= 0.045 af
Outflow = 0.68 cfs @ 12.09 hrs, Volume= 0.045 af, Atten= 14%, Lag= 5.7 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-72.00 hrs, dt= 0.02 hrs
Max. Velocity= 2.59 fps, Min. Travel Time= 3.5 min
Avg. Velocity = 0.81 fps, Avg. Travel Time= 11.3 min

Peak Storage= 143 cf @ 12.03 hrs
Average Depth at Peak Storage= 0.09'
Bank-Full Depth= 1.00' Flow Area= 4.0 sf, Capacity= 43.11 cfs

3.00' x 1.00' deep channel, n= 0.035 High grass
Side Slope Z-value= 1.0 '/' Top Width= 5.00'
Length= 545.0' Slope= 0.1064 '/'
Inlet Invert= 938.00', Outlet Invert= 880.00'

Reach 6R: Reach Thru 1S



Summary for Reach 8R: Reach Thru 2S

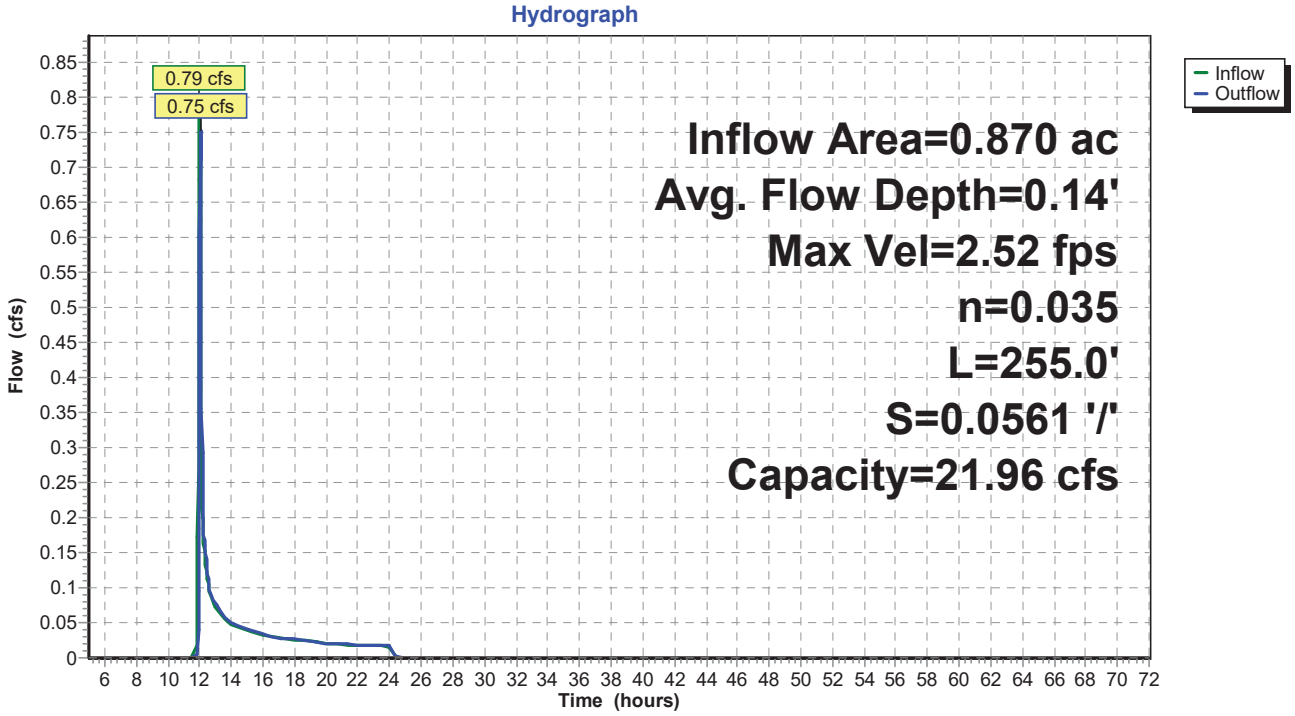
Inflow Area = 0.870 ac, 1.15% Impervious, Inflow Depth = 0.62" for 25-Year event
Inflow = 0.79 cfs @ 12.00 hrs, Volume= 0.045 af
Outflow = 0.75 cfs @ 12.04 hrs, Volume= 0.045 af, Atten= 5%, Lag= 2.8 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-72.00 hrs, dt= 0.02 hrs
Max. Velocity= 2.52 fps, Min. Travel Time= 1.7 min
Avg. Velocity = 0.77 fps, Avg. Travel Time= 5.5 min

Peak Storage= 77 cf @ 12.01 hrs
Average Depth at Peak Storage= 0.14'
Bank-Full Depth= 1.00' Flow Area= 3.0 sf, Capacity= 21.96 cfs

2.00' x 1.00' deep channel, n= 0.035 High grass
Side Slope Z-value= 1.0 '/' Top Width= 4.00'
Length= 255.0' Slope= 0.0561 '/'
Inlet Invert= 894.30', Outlet Invert= 880.00'

Reach 8R: Reach Thru 2S



Summary for Reach 9R: Reach Thru 2S

[61] Hint: Exceeded Reach 8R outlet invert by 0.04' @ 12.14 hrs

Inflow Area = 0.870 ac, 1.15% Impervious, Inflow Depth = 0.62" for 25-Year event
Inflow = 0.75 cfs @ 12.04 hrs, Volume= 0.045 af
Outflow = 0.34 cfs @ 12.38 hrs, Volume= 0.045 af, Atten= 54%, Lag= 20.2 min

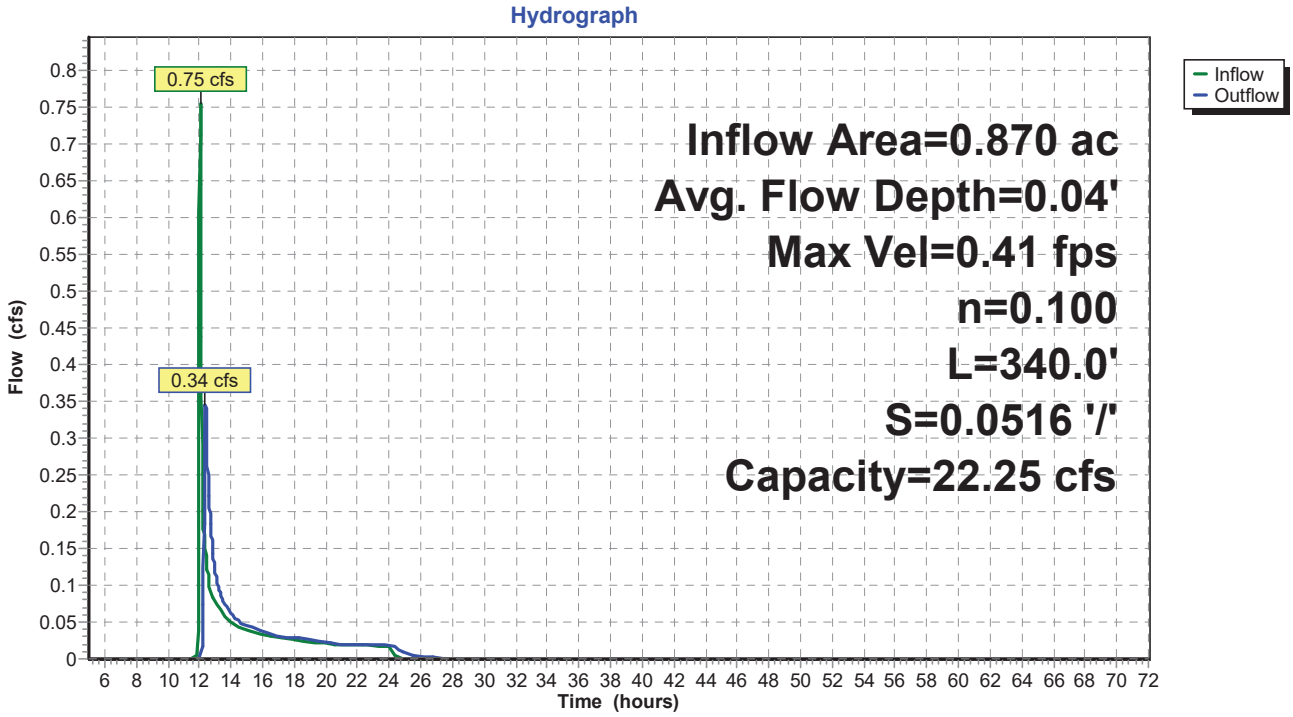
Routing by Stor-Ind+Trans method, Time Span= 5.00-72.00 hrs, dt= 0.02 hrs
Max. Velocity= 0.41 fps, Min. Travel Time= 13.9 min
Avg. Velocity = 0.14 fps, Avg. Travel Time= 39.7 min

Peak Storage= 289 cf @ 12.14 hrs
Average Depth at Peak Storage= 0.04'
Bank-Full Depth= 0.50' Flow Area= 11.3 sf, Capacity= 22.25 cfs

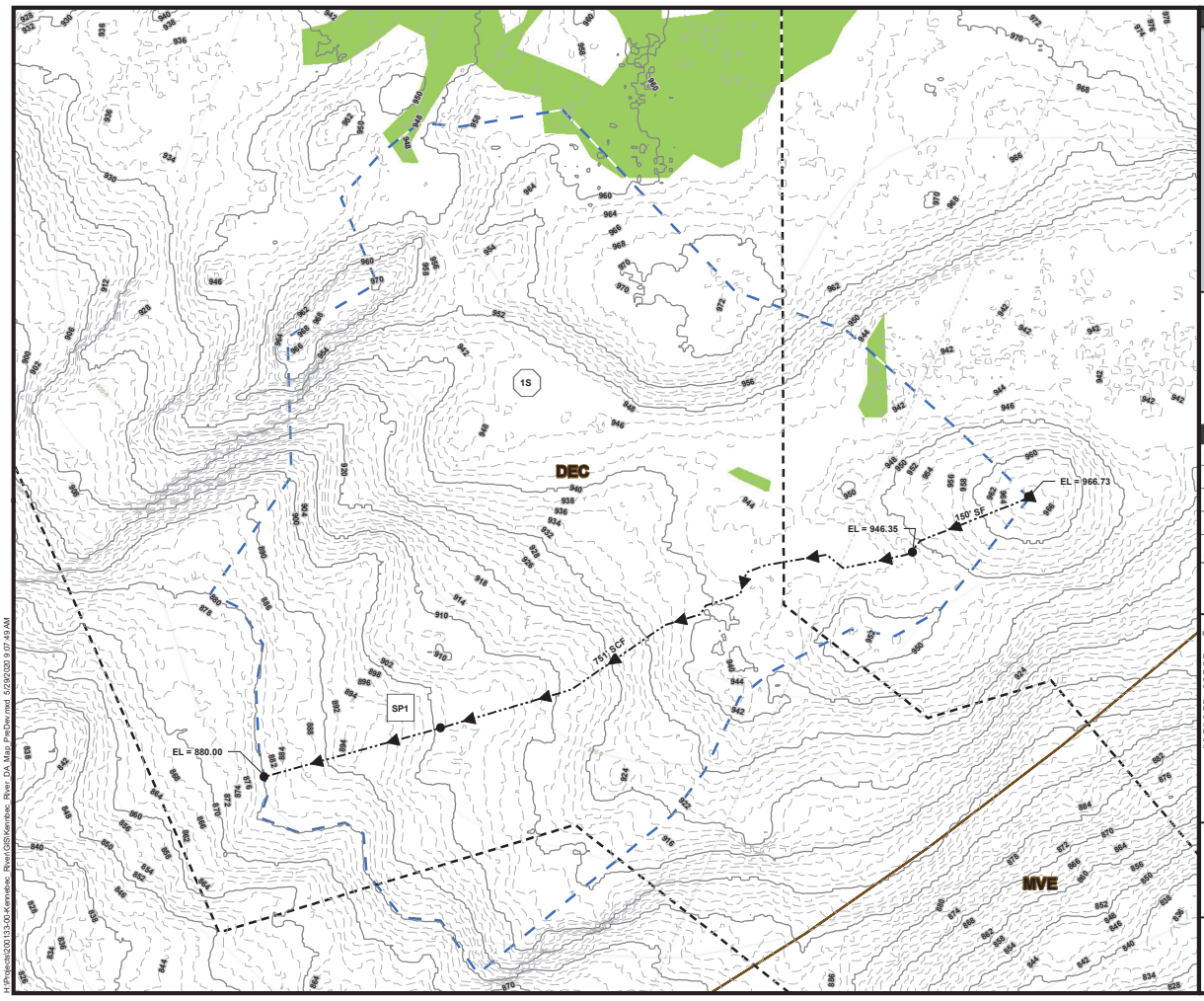
20.00' x 0.50' deep channel, n= 0.100 Very weedy reaches w/pools
Side Slope Z-value= 5.0 '/' Top Width= 25.00'
Length= 340.0' Slope= 0.0516 '/'
Inlet Invert= 880.00', Outlet Invert= 862.45'

‡

Reach 9R: Reach Thru 2S



APPENDIX D
DRAINAGE AREA MAPS



LEGEND

- Time of Concentration Flow Line
- Minor Contour
- Major Contour
- Wetland
- Subcatchment Boundary
- Right of Way
- NRCS Soil Complex Boundary

100' SF	SHEET FLOW
100' SCF	SHALLOW CONCENTRATED FLOW
100' CF	CHANNEL FLOW
EL = 900.00	SPOT ELEVATION

WEST FORKS
PRE-DEVELOPMENT LAND COVER COMPARISON SUMMARY (ACRES)

COVER TYPE	CN	1S
ROOFS & FOUNDATIONS	98	0.00
STONE/YARD SURFACE	55	0.00
GRAVEL ROAD, HSG B	96	0.00
BRUSH, HSG B	67	0.14
WOODS, HSG B	66	9.83
TOTAL AREA		9.97

SOILS LEGEND

MAP UNIT SYMBOL	MAP UNIT NAME	HSG RATING
DEC	DANFORTH-ELLIOTTSVILLE ASSOCIATION, 3 TO 15 PERCENT SLOPES	B
MOB	MONARDA-BURNHAM COMPLEX, 0 TO 3 PERCENT SLOPES, VERY STONY	D
MTB	MONARDA-TELOS COMPLEX, 0 TO 8 PERCENT SLOPES, VERY STONY	D
MVE	MONSON-ELLIOTTSVILLE-KNOB LOCK COMPLEX, 30 TO 60 PERCENT SLOPES, VERY ROCKY	D

Towns of Moxie Gore & West Forks, ME

0 100 Feet

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PROJECT
MAINE CENTRAL POWER
NECEC HVDC LINE
WEST FORKS STATION

CENTRAL MAINE POWER

TITLE
PRE-DEVELOPMENT WATERSHED PLAN

DRAWING NO.
SW-1

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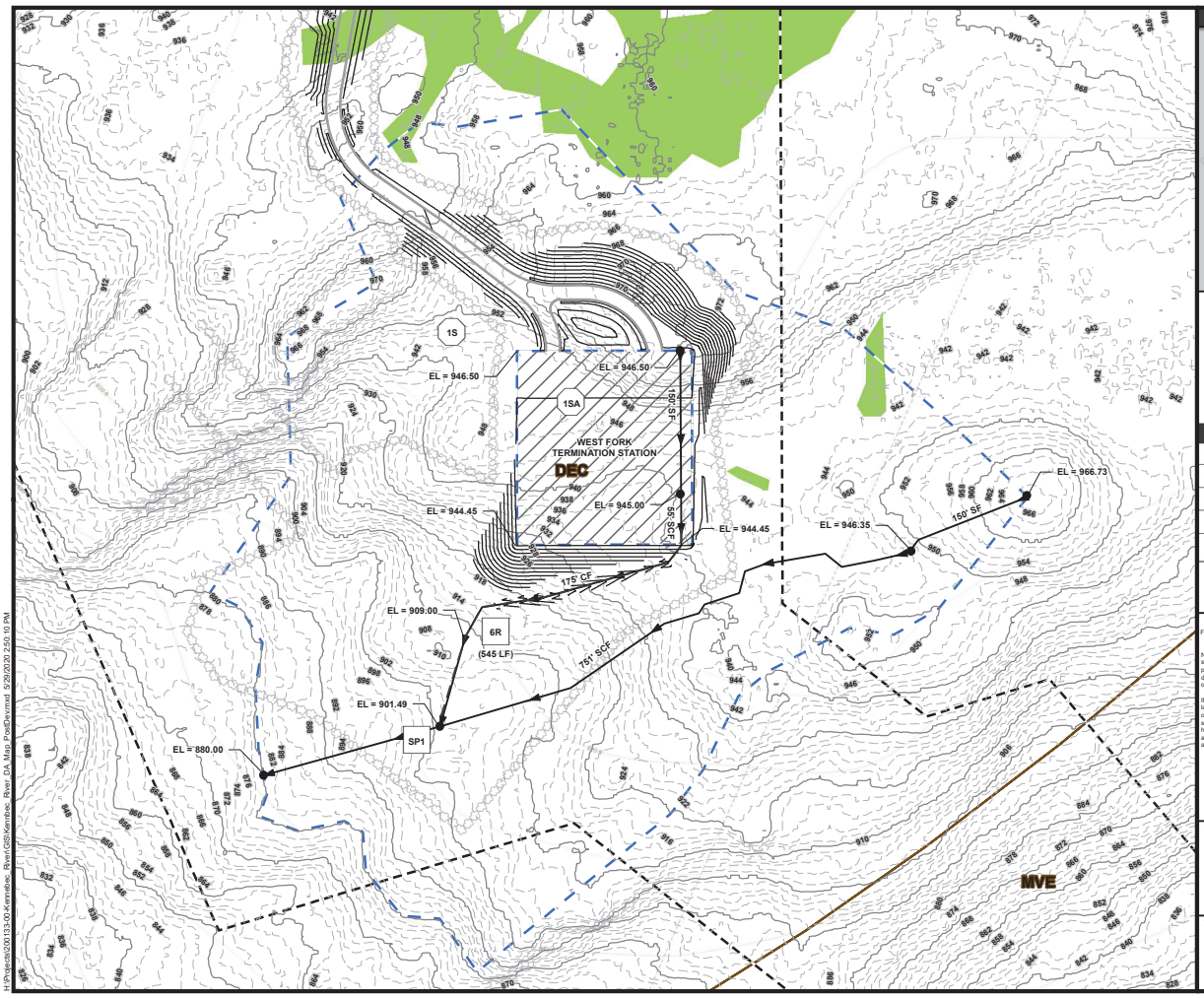

LEGEND

- Time of Concentration Flow Line
- Minor Contour
- Major Contour
- Reach
- Access Drive
- Wetland
- Treeline
- Subcatchment Boundary
- Yard Surface
- Right of Way
- NRCS Soil Complex Boundary

100' SF	SHEET FLOW
100' SCF	SHALLOW CONCENTRATED FLOW
100' CF	CHANNEL FLOW
EL = 900.00	SPOT ELEVATION

WEST FORKS

POST-DEVELOPMENT LAND COVER COMPARISON SUMMARY (ACRES)

COVER TYPE	CN	1S	1SA
ROOFS & FOUNDATIONS	98	0.00	0.61
STONE YARD SURFACE	55	0.00	0.86
GRAVEL ROAD, HSG B	96	0.15	0.00
BRUSH, HSG B	67	0.34	0.00
WOODS, HSG B	66	8.60	0.00
TOTAL AREA		9.10	0.87

SOILS LEGEND

MAP UNIT SYMBOL	MAP UNIT NAME	HSG RATING
DEC	DANFORTH-ELLIOTTSVILLE ASSOCIATION, 3 TO 15 PERCENT SLOPES	B
MOB	MONARDA-BURNHAM COMPLEX, 0 TO 3 PERCENT SLOPES, VERY STONY	D
MTB	MONARDA-TELOS COMPLEX, 0 TO 8 PERCENT SLOPES, VERY STONY	D
MVE	MONSON-ELLIOTTSVILLE-KNOB LOCK COMPLEX, 35 TO 60 PERCENT SLOPES, VERY ROCKY	D

Towns of Moxie Gore & West Forks, ME

0 100 Feet

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PROJECT

AVANGRID
NECEC HVDC LINE
WEST FORKS STATION

CENTRAL MAINE POWER

TITLE

POST-DEVELOPMENT WATERSHED PLAN

DRAWING NO.

SW-2

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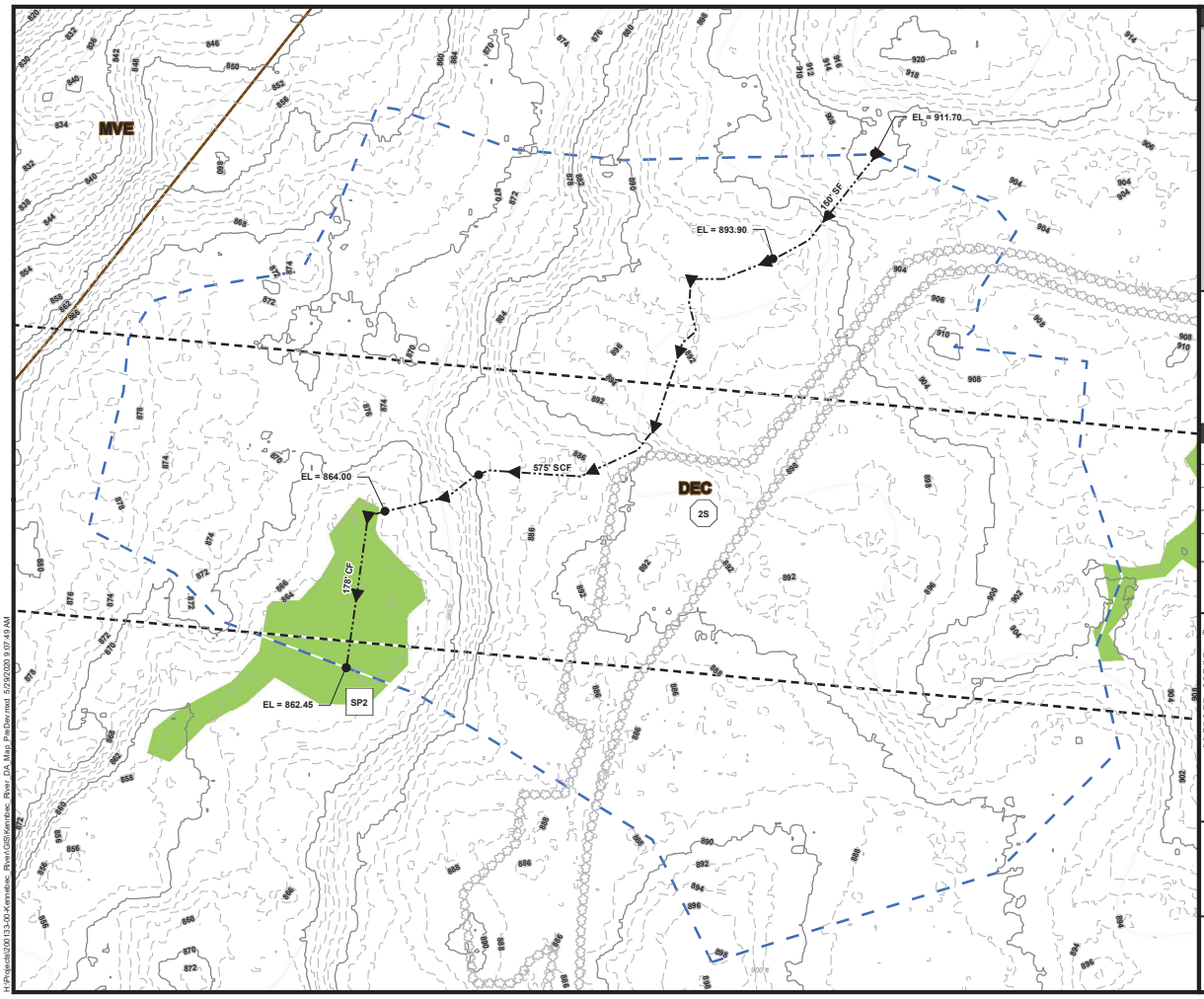

LEGEND

- Time of Concentration Flow Line
- Minor Contour
- Major Contour
- Wetland
- Subcatchment Boundary
- Right of Way
- NRCS Soil Complex Boundary

100' SF	SHEET FLOW
100' SCF	SHALLOW CONCENTRATED FLOW
100' CF	CHANNEL FLOW
EL = 900.00	SPOT ELEVATION

MOXIE GORE
PRE-DEVELOPMENT LAND COVER COMPARISON SUMMARY
(ACRES)

COVER TYPE	CN	2S
ROOFS & FOUNDATIONS	98	0.00
STONE YARD SURFACE	55	0.00
GRAVEL ROAD, HSG B	96	0.17
BRUSH, HSG B	67	2.46
WOODS, HSG B	66	11.59
TOTAL AREA		14.53

SOILS LEGEND

MAP UNIT SYMBOL	MAP UNIT NAME	HSG RATING
DEC	DANFORTH-ELLIOTTSVILLE ASSOCIATION, 3 TO 15 PERCENT SLOPES	B
MOB	MONARDA-BURNHAM COMPLEX, 0 TO 3 PERCENT SLOPES, VERY STONY	D
MTB	MONARDA-TELOS COMPLEX, 0 TO 8 PERCENT SLOPES, VERY STONY	D
MVE	MONSON-ELLIOTTSVILLE-KNOB LOCK COMPLEX, 35 TO 60 PERCENT SLOPES, VERY ROCKY	D

Towns of Moxie Gore & West Forks, ME

0 100 Feet

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FISHER ASSOCIATES

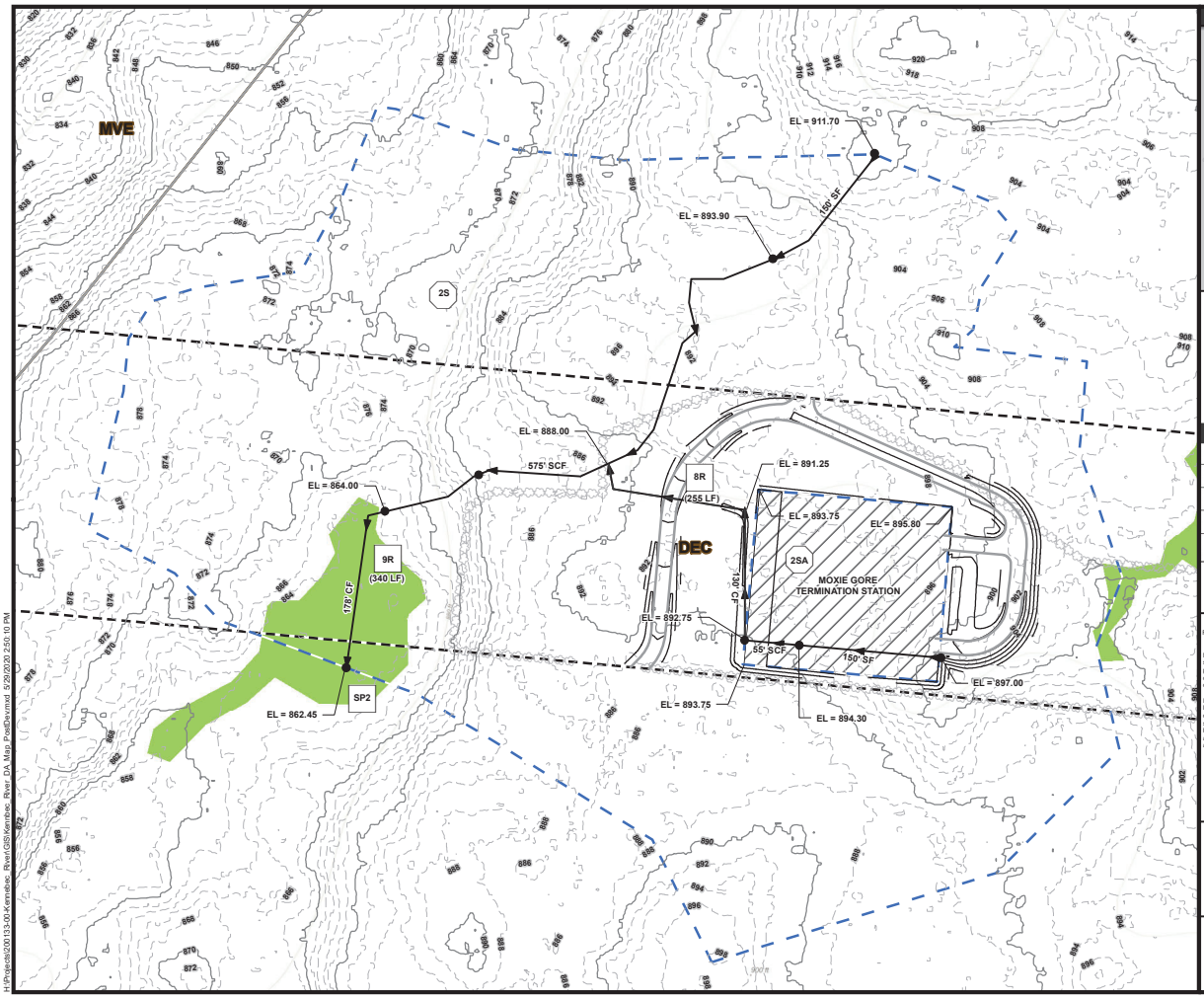
PROJECT
MAINE CENTRAL POWER
NECEC HVDC LINE
MOXIE GORE STATION

CENTRAL MAINE POWER

TITLE
PRE-DEVELOPMENT WATERSHED PLAN

DRAWING NO.
SW-3

H:\Projects\20133-00-Kennebec River\GIS\Kennebec River DA Map PreDev.mxd 5/29/2020 9:07:49 AM



LEGEND

- Time of Concentration Flow Line
- Minor Contour
- Major Contour
- Reach
- Access Drive
- Wetland
- Treeline
- Subcatchment Boundary
- Yard Surface
- Right of Way
- NRCS Soil Complex Boundary

100' SF	SHEET FLOW
100' SCF	SHALLOW CONCENTRATED FLOW
100' CF	CHANNEL FLOW
EL = 900.00	SPOT ELEVATION

MOXIE GORE

POST-DEVELOPMENT LAND COVER COMPARISON SUMMARY (ACRES)

COVER TYPE	CN	2S	2SA
ROOFS & FOUNDATIONS	98	6.00	0.01
STONE WARB SURFACE	55	6.00	0.86
GRAVEL ROAD, HYD B	96	6.32	0.00
BRUSH, HSG B	67	2.31	0.00
WOODS, HSG B	66	11.98	0.00
TOTAL AREA		13.66	0.87

SOILS LEGEND

MAP UNIT SYMBOL	MAP UNIT NAME	HSG RATING
DEC	DANFORTH-ELLIOTTSVILLE ASSOCIATION, 3 TO 15 PERCENT SLOPES	B
MOB	MONARDA-BURNHAM COMPLEX, 0 TO 3 PERCENT SLOPES, VERY STONY	D
MTB	MONARDA-TELOS COMPLEX, 0 TO 8 PERCENT SLOPES, VERY STONY	D
MVE	MONSON-ELLIOTTSVILLE-KNOB LOCK COMPLEX, 35 TO 60 PERCENT SLOPES, VERY ROCKY	D

Towns of Moxie Gore & West Forks, ME

0 100 Feet

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New York State Education Law Section 7209 states that it is a violation of this law for any person, unless he / she is acting under the direction of a licensed professional engineer or land surveyor, to alter an item in any way.

If an item bearing the seal of an engineer or land surveyor is altered, the altering engineer or land surveyor shall affix to the item his / her seal and the notation "altered by" followed by his / her signature and the date of such alteration, and a specific description of the alteration.

FISHER ASSOCIATES

PROJECT

AVANGRID
NECEC HVDC LINE
MOXIE GORE STATION

CENTRAL MAINE POWER

TITLE

POST-DEVELOPMENT WATERSHED PLAN

DRAWING NO.

SW-4

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APPENDIX E
LEVEL SPREADER CALCULATIONS

Level Spreader Calculations

Design Guidance from Maine SWM Design Manual - Volume III Technical Design Manual, May 2016

Section 5.2 - Buffer with a Stone Bermed Level Lip Spreader
Table 5.5 of Section 5.2 - Berm and Flow Path Length per Acre of Impervious Area

Assumptions for Analysis

Hydrologic Soil Group - B
Using an assumed slope of 9-15%
Using a assumed downstream Buffer of Meadow (MB)
Length of Flowpath in the Buffer for B Soils - 75 to 150 LF (Used 150 LF)
Berm Length (FT) Per Acre of Impervious Area (Used 90 LF/Ac)

West Forks

Area of Stone Pad & Gravel Drive: 0.87 Acres
Proposed Berm Length: BL

BL= 0.87 *90 LF = 78 LF (required minimum berm length)

Moxie Gore

Area of Stone Pad & Gravel Drive: 0.87 Acres
Proposed Berm Length: BL

BL= 0.87 *90 LF = 78 LF (required minimum berm length)

APPENDIX F
CMP-DEP CURVE NUMBER AGREEMENT LETTER

STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION

ELIAS BALDACCI
GOVERNOR

DAVID
COM

June 5, 2008

Roy Koster
Central Maine Power
83 Edison Drive
Augusta, ME 04336

RE: DEP Stormwater Management Regulations and how they apply to Central Maine Power Company Substations and Switchyards

Dear Mr. Koster:

I am writing to provide clarification on how substations and switchyards designed by Central Maine Power Company (CMP) can meet DEP Stormwater Management rules, Chapter 500 and the Site Location of Development Law. This letter supersedes a previous DEP letter on this subject dated February 29, 2008 and is a follow-up to further discussions between CMP and DEP staff.

Based on the report prepared by John Simon of Balance Engineering, dated March 8, 2008, regarding the stormwater runoff coefficient at CMP substations and switchyards, the required gravel fill and surface nature of these structures performs differently than most common construction practices and a modeling variance will be allowed for CMP substations and switchyards as follows:

When Flooding Standard requirements apply to a CMP project, modeling must demonstrate that peak runoff from the substation structure does not exceed predevelopment flow rates at the property line. Because of the permeability plus storage within the gravel fill and roughness of the crushed rock surface, the curve number (CN) specified in John Simon's report (March 2008) may be used for the substation area. As reported, a CN of 55 may be used for substations and switchyards that are built on areas that are mapped as HSG "A", "B", and "C", and a CN of 60 must be used when the area is mapped as HSG "D" for the HydroCAD model. However, all impervious surfaces will have to be added for an averaged curve number.

The General Standards of Chapter 500 (water quality) will be considered as met by the CMP substation/switchyard design specifications as long as the structure includes the typical CMP substation profile overlaying the natural ground surface. The soil layers within the CMP substation profile consist of 4 inches of crushed stone, 50:50 mix of 1.5"

USTA
ATE HOUSE STATION
USTA, MAINE 04333-0017
287-7688 FAX: (207) 287-7826
BLDG., HOSPITAL ST.

BANGOR
106 HOGAN ROAD
BANGOR, MAINE 04401
(207) 941-4570 FAX: (207) 941-4584

PORTLAND
312 CANCO ROAD
PORTLAND, MAINE 04103
(207) 822-6300 FAX: (207) 822-6303

PRESQUE ISLE
1235 CENTRAL DRIVE, SKYW
PRESQUE ISLE, MAINE 0476
(207) 764-0477 FAX: (207) 76

www.maine.gov/dep

printed on

and 0.75" diameter stone overlaying 18 inches or more of gravel fill, MDOT 703.06 Type A. Saturation within the granular fill will detain and provide treatment for the one-inch design standard under that requirement. Groundwater can never be any higher than 18 inches below the top of the gravel fill. Other treatment considerations will need to be provided for all impervious structures anticipated on the substation and switchyard and for the roadway.

The Basic Standards of Chapter 500 (erosion and sedimentation control, inspection and maintenance, and housekeeping) will be met by the standard CMP substation and switchyard design specification and erosion control/construction plan as developed by CMP for each Stormwater Management application. These are minimum erosion control measures that will need to be maintained until the site is fully stabilized. However, based on site and weather conditions during construction, additional erosion control measures may be needed.

While there are several ways to approach the design standards discussed above, these must be considered the minimum requirements in meeting the Stormwater Management and Site Location of Development Laws. However, in some situations where the local hydrology and site conditions warrant more resource protection, additional BMPs may be required. Also, the access drive and associated roadside swales are included in the disturbed area for permitting purposes and the treatment of these areas must be addressed separately from the substation or switchyard and be treated with standard practices. The natural hydrology of these areas will need to be maintained and will have to meet all applicable standards as established in Chapter 500 (page 11, Section 5).

I hope this addresses your request and will make the DEP permitting process more straight forward. If you have further questions, please contact Marianne Hubert at (207) 287-4140.

Sincerely,

Don Witherill, Director
Watershed Management Division
Bureau of Land and Water Quality

Cc: Marianne Hubert, PE, DEP program manager
Andy Fisk, DEP L&W Bureau Director
Dan Butler, PE, TRC
Gerry Mirabile, CMP

APPENDIX G
POST CONSTRUCTION STORMWATER OPERATION & MAINTENANCE INSPECTION LOG

CMP West Forks Station				
Stormwater Management System Inspection & Maintenance Log				
	Schedule		**Inspector Initials and Date**	**Inspector Comments**
	Quarterly Inspection	**Maintenance**		
Revegetated Areas and Embankments:				
Inspect all revegetated areas and embankments.	**X**			
Replant bare areas or areas with sparse growth.		**As Required**		
Armor areas with rill erosion with an appropriate lining or divert the erosive flows to on-site areas able to withstand concentrated flows.		**As Required**		
Drainage Conveyance Systems:				
Inspect swales and level spreaders for evidence of erosion, debris, woody growth, and excessive sediment.	**X**			
Remove any obstructions and accumulated sediments or debris.		**As Required**		
Control vegetated growth and woody vegetation.		**As Required**		
Repair any erosion of the swale lining.		**As Required**		
Mow vegetated swales.		**Annually**		
Clean-out any accumulation of sediment within the spreader bays.		**As Required**		
Remove woody vegetation growing through riprap.		**As Required**		
Repair any slumping side slopes.		**As Required**		
Replace riprap where underlying filter fabric is showing or where stones have dislodged.		**As Required**		
Culverts:				
Inspect culvert inlet, outlet, and structure.	**X**			
Remove accumulated sediments and debris at the inlet, at the outlet, and within the conduit.		**As Required**		
Repair any erosion damage at the culvert's inlet and outlet.		**As Required**		

CMP West Forks Station				
Stormwater Management System Inspection & Maintenance Log				
	Schedule		**Inspector Initials and Date**	**Inspector Comments**
	Quarterly Inspection	**Maintenance**		
Roadway Surfaces:				
Inspect access road surfaces and shoulders for erosion, false ditches, and excess accumulation of sand that could impede water flow.	**X**			
Remove excess sand either manually or with a front-end loader.		**As Required**		
Grade gravel roads and shoulders.		**As Required**		
Transition Station Yard:				
Inspect for existing or developing erosion, rutting, trash, and unwanted vegetation.	**X**			
Correct any erosion/rutting and/or remove trash or vegetation.		**As Required**		
Water Quality Treatment Buffers:				
Inspect treatment buffers for evidence of erosion, concentrated flow, or encroachment by development.	**X**			
Manage the buffer's vegetation consistent with the requirements in any deed restrictions.		**As Required**		
Repair any sign of erosion within a buffer.		**As Required**		
Inspect and repair down-slope of all level spreaders and turn-outs for erosion.	**X**			

CMP West Forks Station				
Stormwater Management System Inspection & Maintenance Log				
	Schedule		**Inspector Initials and Date**	**Inspector Comments**
	Quarterly Inspection	**Maintenance**		
Maintenance Needed and When:				

CMP Moxie Gore Station				
Stormwater Management System Inspection & Maintenance Log				
	Schedule		**Inspector Initials and Date**	**Inspector Comments**
	Quarterly Inspection	**Maintenance**		
Revegetated Areas and Embankments:				
Inspect all revegetated areas and embankments.	**X**			
Replant bare areas or areas with sparse growth.		**As Required**		
Armor areas with rill erosion with an appropriate lining or divert the erosive flows to on-site areas able to withstand concentrated flows.		**As Required**		
Drainage Conveyance Systems:				
Inspect swales and level spreaders for evidence of erosion, debris, woody growth, and excessive sediment.	**X**			
Remove any obstructions and accumulated sediments or debris.		**As Required**		
Control vegetated growth and woody vegetation.		**As Required**		
Repair any erosion of the swale lining.		**As Required**		
Mow vegetated swales.		**Annually**		
Clean-out any accumulation of sediment within the spreader bays.		**As Required**		
Remove woody vegetation growing through riprap.		**As Required**		
Repair any slumping side slopes.		**As Required**		
Replace riprap where underlying filter fabric is showing or where stones have dislodged.		**As Required**		
Culverts:				
Inspect culvert inlet, outlet, and structure.	**X**			
Remove accumulated sediments and debris at the inlet, at the outlet, and within the conduit.		**As Required**		
Repair any erosion damage at the culvert's inlet and outlet.		**As Required**		

CMP Moxie Gore Station				
Stormwater Management System Inspection & Maintenance Log				
	Schedule		**Inspector Initials and Date**	**Inspector Comments**
	Quarterly Inspection	**Maintenance**		
Roadway Surfaces:				
Inspect access road surfaces and shoulders for erosion, false ditches, and excess accumulation of sand that could impede water flow.	**X**			
Remove excess sand either manually or with a front-end loader.		**As Required**		
Grade gravel roads and shoulders.		**As Required**		
Transition Station Yard:				
Inspect for existing or developing erosion, rutting, trash, and unwanted vegetation.	**X**			
Correct any erosion/rutting and/or remove trash or vegetation.		**As Required**		
Water Quality Treatment Buffers:				
Inspect treatment buffers for evidence of erosion, concentrated flow, or encroachment by development.	**X**			
Manage the buffer's vegetation consistent with the requirements in any deed restrictions.		**As Required**		
Repair any sign of erosion within a buffer.		**As Required**		
Inspect and repair down-slope of all level spreaders and turn-outs for erosion.	**X**			

CMP Moxie Gore Station				
Stormwater Management System Inspection & Maintenance Log				
	Schedule		**Inspector Initials and Date**	**Inspector Comments**
	Quarterly Inspection	**Maintenance**		
Maintenance Needed and When:				

APPENDIX H
BUFFER DECLARATION OF RESTRICTIONS

3. Meadow buffer

DECLARATION OF RESTRICTIONS (Non-Wooded Meadow Buffer)

THIS DECLARATION OF RESTRICTIONS is made this _____day of _____, 20___, by
_____, _____
(name) (street address)
_____, _____County, Maine,_____, (herein referred to as the
(city or town) (county) (zip code)
"Declarant"), pursuant to a permit received from the Maine Department of Environmental Protection under the Stormwater Management Law, to preserve a buffer area on a parcel of land near
_____, _____ .
(road name) (known feature and/or town)

WHEREAS, the Declarant holds title to certain real property situated in _____, Maine
(town)
described in a deed from _____ to _____, dated
(name) (name of Declarant)
_____, 20____, and recorded in Book ____ Page ____ at the _____County Registry of Deeds, herein referred to as the "property"; and

WHEREAS, Declarant desires to place certain restrictions, under the terms and conditions herein, over a portion of said real property (hereinafter referred to as the "Restricted Buffer") described as follows: (Note: Insert description of restricted buffer location here)

WHEREAS, pursuant to the Stormwater Management Law, 38 M.R.S. Section 420-D and Chapter 500 of rules promulgated by the Maine Board of Environmental Protection ("Stormwater Management Rules"), Declarant has agreed to impose certain restrictions on the Restricted Buffer Area as more particularly set forth herein and has agreed that these restrictions may be enforced by the Maine Department of Environmental Protection or any successor (hereinafter the "MDEP"),

NOW, THEREFORE, the Declarant hereby declares that the Restricted Buffer Area is and shall forever be held, transferred, sold, conveyed, occupied and maintained subject to the conditions and restrictions set forth herein. The Restrictions shall run with the Restricted Buffer Area and shall be binding on all parties having any right, title or interest in and to the Restricted Buffer Area, or any portion thereof, and their heirs, personal representatives, successors, and assigns. Any present or future owner or occupant of the Restricted Buffer Area or any portion thereof, by the acceptance of a deed of conveyance of all or part of the Covenant Area or an instrument conveying any interest therein, whether or not the deed or instrument shall so express, shall be deemed to have accepted the Restricted Buffer Area subject to the Restrictions and shall agree to be bound by, to comply with and to be subject to each and every one of the Restrictions hereinafter set forth.

1. **Restrictions on Restricted Buffer Area**. Unless the owner of the Restricted Buffer Area, or any successors or assigns, obtains the prior written approval of the MDEP, the Restricted Buffer Area must remain undeveloped in perpetuity. To maintain the ability of the Restricted Buffer Area to filter and absorb stormwater, and to maintain compliance with the Stormwater Management Law and the permit issued thereunder to the Declarant, the use of the Restricted Buffer Area is hereinafter limited as follows.

   a. No soil, loam, peat, sand, gravel, concrete, rock or other mineral substance, refuse, trash, vehicle bodies or parts, rubbish, debris, junk waste, pollutants or other fill material will be placed, stored or dumped on the Restricted Buffer Area, nor may the topography or the natural mineral soil of the area be altered or manipulated in any way;

   b. A dense cover of grassy vegetation must be maintained over the Restricted Buffer Area, except that shrubs, trees and other woody vegetation may also be planted or allowed to grow in the area. The Restricted Buffer Area may not be maintained as a lawn or used as a pasture. If vegetation in the Restricted Buffer Area is mowed, it may be mown no more than two times per year.

   c. No building or other temporary or permanent structure may be constructed, placed or permitted to remain on the Restricted Buffer Area, except for a sign, utility pole or fence (whether constructed of wood, steel or other materials) and appurtenant equipment such as guys and guy anchors;

   d. No trucks, cars, dirt bikes, ATVs, bulldozers, backhoes, or other motorized vehicles or mechanical equipment may be permitted on the Restricted Buffer Area, except for vehicles used in mowing;

   e. Any level lip spreader directing flow to the Restricted Buffer Area must be regularly inspected and adequately maintained to preserve the function of the level spreader.

   Any activity on or use of the Restricted Buffer Area inconsistent with the purpose of these Restrictions is prohibited. Any future alterations or changes in use of the Restricted Buffer Area must receive prior approval in writing from the MDEP. The MDEP may approve such alterations and changes in use if such alterations and uses do not impede the stormwater control and treatment capability of the Restricted Buffer Area or if adequate and appropriate alternative means of stormwater control and treatment are provided.

2. **Enforcement**. The MDEP may enforce any of the Restrictions set forth in Section 1 above.

3. **Binding Effect**. The restrictions set forth herein shall be binding on any present or future owner of the Restricted Buffer Area. If the Restricted Buffer Area is at any time owned by more than one owner, each owner shall be bound by the foregoing restrictions to the extent that any of the Restricted Buffer Area is included within such owner's property.

4. **Amendment**. Any provision contained in this Declaration may be amended or revoked only by the recording of a written instrument or instruments specifying the amendment or the revocation signed by the owner or owners of the Restricted Buffer Area and by the MDEP.

5. **Effective Provisions of Declaration**. Each provision of this Declaration, and any agreement, promise, covenant and undertaking to comply with each provision of this Declaration, shall be deemed a land use restriction running with the land as a burden and upon the title to the Restricted Buffer Area.

6. **Severability**. Invalidity or unenforceability of any provision of this Declaration in whole or in part shall not affect the validity or enforceability of any other provision or any valid and enforceable part of a provision of this Declaration.

7. **Governing Law**. This Declaration shall be governed by and interpreted in accordance with the laws of the State of Maine.

_____
(NAME)

STATE OF MAINE, _____, County, dated _____, 20__ .
(County)

Personally appeared before me the above named _____, who swore to the truth of the foregoing to the best of (his/her) knowledge, information and belief and acknowledged the foregoing instrument to be (his/her) free act and deed.

_____
Notary Public

_____

Exhibit 16-1: Merrill Road Converter Station Groundwater Quality Analysis

Memorandum

STATE OF MAINE
MEGAN L. DESROSIERS
GE588
CERTIFIED GEOLOGIST
12/1/2020

BURNS McDONNELL

Date: December 1, 2020

To: Mr. Gerry J. Mirabile, Manager – NECEC Permitting, AVANGRID Networks, Inc.

From: Megan Desrosiers, Maine Geologist #588

Subject: Groundwater Quality Analysis – Merrill Road Converter Station, 1653 Main Street, Lewiston, Maine

This memo summarizes the hydrogeologic data that have been assembled to satisfy the requirements of Section 16: Water Supply of the Maine Site Location of Development Act (38 M.R.S.A. §§ 481-490) minor permit revision application, which is being submitted by Central Maine Power Company (CMP) for a new 345kV converter station to be located at 1653 Main Street in Lewiston, Maine. The location of the proposed converter station is shown on the USGS Lake Auburn East Quadrangle excerpt provided in Attachment 5 of the original application submitted to the Maine Department of Environmental Protection on September 27, 2017.

The converter station will be constructed with toilet facilities and would be periodically staffed by service and maintenance personnel. The proposed station is not anticipated to be occupied daily. Therefore, expected water usage at the proposed station would not be more than that of a typical single-family residence.

The Maine Geological Survey (MGS) has published a variety of resources, which were reviewed to conclude that a sufficient and healthful groundwater supply is likely to be available to support the requirements of an individual water supply well to be installed at the proposed converter station. Further discussion of the information used to support this conclusion is included below.

Surficial deposits at the proposed converter station are mapped as Pleistocene till (Pt) (MGS Open-File Report No. 08-72, 2008). Pleistocene till is a non-sorted to poorly sorted mixture of clay, silt, sand, pebbles, cobbles, and boulders of varying thickness. The till was deposited from a glacial ice sheet and forms a blanket over the underlying bedrock; it is inferred to underlie younger deposits throughout the area (MGS Open-File Report No. 02-165, 2002).

The surficial geology mapping is consistent with the Hollis fine sandy loam and Sutton very stony loam mapped beneath the proposed converter station by the United States Department of Agriculture Soil Conservation Science (USDA-SCS, 1970). The Hollis series is characterized by somewhat excessively drained soils that formed in glacial till and is mapped at the northeastern two-thirds of the proposed converter station. The Sutton series is characterized by deep, moderately well drained soils that formed in glacial till, and is mapped at the southwestern third of the proposed converter station.

Residential water supply wells are commonly drilled into underlying unconsolidated sand and gravel aquifers, where available. The closest significant sand and gravel aquifer is mapped approximately 0.5 mile south of the proposed converter station (MGS Open-File Report No. 02-149, 2002). The location of the proposed converter station is within the same groundwater drainage basin as the closest significant sand and gravel aquifer.

In areas where unconsolidated materials are not capable of providing a sufficient water supply, bedrock water supply wells are typically constructed. Structural features of the bedrock unit, such as porosity, fracture zones, and joints, can store reservoirs capable of supplying bedrock water supply wells. Bedrock beneath the proposed substation is mapped as a migmatized medium to dark gray biotite (-sillimanite)-garnet gneiss, in places with thin interbeds of calc-silicate gneiss unit of the Sangerville Formation (Sst) (MGS Open-File Report No. 83-4, 1983).

MGS has compiled Bedrock Groundwater Resources Maps that provide the yield, depth and estimated overburden thickness for approximately 4,500 to 5,000 bedrock wells mapped on the 30 x 60-minute Lewiston Quadrangle. Well depth for 17 wells located within one mile of the proposed converter station is provided on the Bedrock Depth map (MGS Open-File Report No. 10-49, 2010). The depth of the shallowest bedrock well within one mile is 100 to 150 feet, and the depth of the deepest bedrock well within one mile is 400 to 500 feet. Overburden thickness is estimated at 0 to 30 feet (i.e., the depth to bedrock) in 19 bedrock wells located within one mile of the proposed converter station (MGS Open-File Report No. 10-50, 2010). Yield for 20 bedrock wells located within one mile of the proposed converter station is provided on the Bedrock Yield map (MGS Open-File Report No. 10-51, 2010). Nine of the bedrock wells located within one mile of the proposed substation have yields between 0 and 6 gallons per minute (gpm), and eleven of the bedrock wells located within one mile of the proposed substation have yields between 6 and 20 gpm.

According to the Maine Division of Environmental Health (MDEH) Drinking Water Program, the most common source of drinking water for homes in Maine is a drilled bedrock well, and the typical bedrock well is six inches in diameter, 100 to 500 or more feet deep, and has a yield of less than 10 gpm. A deeper well typically has a greater storage capacity than a shallower well, which would affect the well's ability to recover and yield water. The Maine Well Drillers and Pump Installers Rules (10 CMR 232 Table 407.1) recommends minimum bedrock well recovery rates ranging from one-half gpm for a 420-foot deep well to 5 gpm for a 75-foot deep well. Based on an evaluation of bedrock wells mapped within the Sangerville Formation (Sst) and the well yield data ascertained, a bedrock well installed at the proposed substation would likely be able to meet the MDEH's recommendations and provide a sufficient and healthful supply of groundwater.

There are currently no buildings present on the proposed converter station site. If configuration of the converter station requires installation of a new residential-type water supply well, as a best management practice it should be installed greater than 300 feet from the nearest likely site of an existing, non-public water supply well to minimize the risk of pumping interference between wells. Through review of aerial imagery, the visible buildings and observed limits of clearing on adjacent properties indicate that a new well for the converter station could be located more than 300 feet from the nearest likely site of a an existing, non-public water supply well (proximal to a building and within cleared areas). If the proposed water supply well operates at no more than

the typical rate of 12 gallons per day per employee, as estimated by the Maine Subsurface Waste Disposal Rules (10 CMR 241 Table 4C), for this type of facility, it appears that the distance between the proposed converter station and the nearest likely bedrock water supply well is sufficient to minimize the risk of pumping interference between wells.

References Cited

Maine Department of Health and Human Services, Division of Environmental Health Drinking Water Program, 2005. CMR Chapter 232 – Well Drillers and Pump Installers Rules.

Maine Department of Health and Human Services, Division of Environmental Health Subsurface Wastewater Program, 2014. CMR Chapter 241 – Subsurface Wastewater Disposal Rules.

Maine Geological Survey Open-File Report No. 10-49, 2010. Bedrock Well Depth in the Lewiston 30 x 60-Minute Quadrangle.

Maine Geological Survey Open-File Report No. 10-50, 2010. Overburden Thickness in the Lewiston 30 x 60-Minute Quadrangle.

Maine Geological Survey Open-File Report No. 10-51, 2010. Bedrock Well Yield in the Lewiston 30 x 60-Minute Quadrangle.

Maine Geological Survey Open-File Report No. 02-149, 2002. Significant Sand and Gravel Aquifers of the Lake Auburn East Quadrangle, Maine.

Maine Geological Survey Open-File Report No. 08-72, 2008. Surficial Geology of the Lake Auburn East Quadrangle, Maine.

Maine Geological Survey Open-File Report No. 02-165, 2002. Surficial Geology of the Lake Auburn East 7.5- Minute Quadrangle, Androscoggin County, Maine.

Maine Geological Survey Open-File Report No. 83-4, 1983. Bedrock Geology of the Lewiston 15-Minute Quadrangle, Maine.

United States Department of Agriculture – Soil Conservation Service, 1970, Soil Survey of Androscoggin and Sagadahoc Counties, Maine.

Exhibit 16-2: Merrill Road Converter Station Utility Plan

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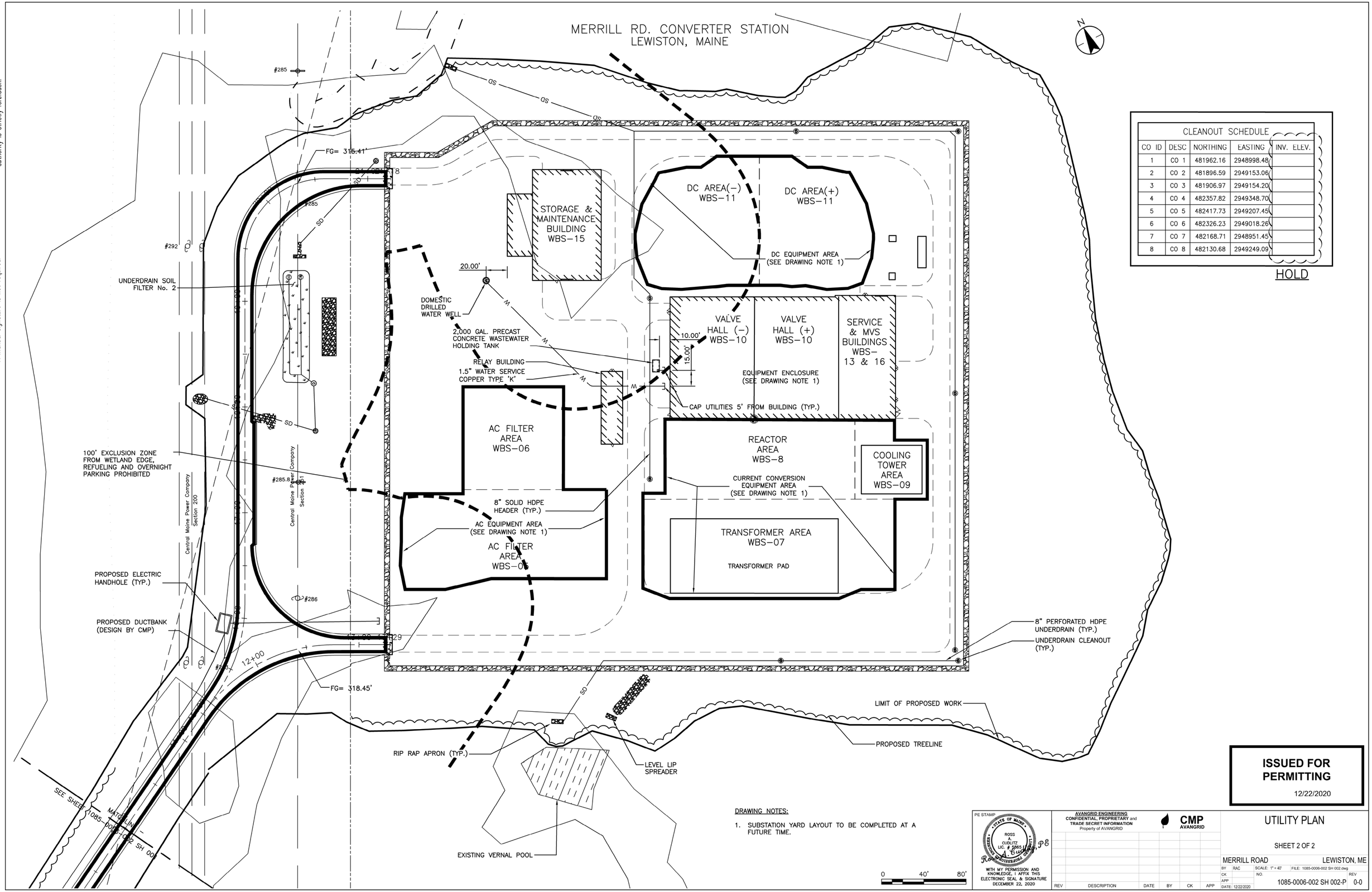
This document is issued by means of a computerized system. The digitally stored original is electronically approved. The approved document has a name and date entered in the approved-field. A manual signature is not required.



CLEANOUT SCHEDULE				
CO ID	DESC	NORTHING	EASTING	INV. ELEV.
1	CO 1	481962.16	2948998.48	
2	CO 2	481896.59	2949153.06	
3	CO 3	481906.97	2949154.20	
4	CO 4	482357.82	2949348.70	
5	CO 5	482417.73	2949207.45	
6	CO 6	482326.23	2949018.26	
7	CO 7	482168.71	2948951.45	
8	CO 8	482130.68	2949249.09	

HOLD

ISSUED FOR PERMITTING

12/22/2020

DRAWING NOTES:

1. SUBSTATION YARD LAYOUT TO BE COMPLETED AT A FUTURE TIME.

PE STAMP

STATE OF MAINE
ROSS A. CUDLITZ
LIC. # 6365
REGISTERED PROFESSIONAL ENGINEER

WITH MY PERMISSION AND KNOWLEDGE, I AFFIX THIS ELECTRONIC SEAL & SIGNATURE DECEMBER 22, 2020

AVANGRID ENGINEERING
CONFIDENTIAL, PROPRIETARY and TRADE SECRET INFORMATION
Property of AVANGRID

CMP AVANGRID

REV	DESCRIPTION	DATE	BY	CK	APP

UTILITY PLAN

SHEET 2 OF 2

MERRILL ROAD — LEWISTON, ME

BY: RAC | SCALE: 1" = 40' | FILE: 1085-0006-002 SH 002.dwg
CK | NO. | REV
APP | 1085-0006-002 SH 002-P | 0-0
DATE: 12/22/2020

Exhibit 17-1: Merrill Road Converter Station HHE-200 Form

6409

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. Health & Human Services
Div. Environmental Health, 11SHS
(207) 287-2070 Fax: (207) 287-4172

PROPERTY LOCATION

City, Town, or Plantation	Lewiston
Street or Road	Merrill Road #1653
Subdivision, Lot #	

>> CAUTION: LPI APPROVAL REQUIRED <<

Town/City _____ Permit # _____

Date Permit Issued ___/___/___ Fee: $_____ Double Fee Charged [ ]

_____ L.P.I. # _____
Local Plumbing Inspector Signature

Fee: $_____ state min fee $_____ Locally adopted fee
Copy: [ ] Owner [ ] Town [ ] State

The Subsurface Wastewater Disposal System shall not be installed until a Permit is issued by the Local Plumbing Inspector. The Permit shall authorize the owner or installer to install the disposal system in accordance with this application and the Maine Subsurface Wastewater Disposal Rules.

Municipal Tax Map # _____ Lot # _____

OWNER/APPLICANT INFORMATION

Name (last, first, MI)	NECEC Transmission LLC & CMP — Owner [ ] Applicant [✓]
Mailing Address of Owner/Applicant	One City Center 5th Floor Portland 04101
Daytime Tel. #	207-242-1682

OWNER OR APPLICANT STATEMENT
I state and acknowledge that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Department and/or Local Plumbing Inspector to deny a Permit.

Gerry J. Mirabile 12/22/2020
Signature of Owner or Applicant Date

CAUTION: INSPECTION REQUIRED
I have inspected the installation authoirzed above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application. _____ (1st) date approved

_____ _____
Local Plumbing Inspector Signature (2nd) date approved

PERMIT INFORMATION

TYPE OF APPLICATION
1. First Time System
2. Replacement System
Type replaced: _____
Year installed: _____
3. Expanded System
a. <25% Expansion
b. ≥25% Expansion
4. Experimental System
5. Seasonal Conversion

THIS APPLICATION REQUIRES
1. No Rule Variance
2. First Time System Variance
a. Local Plumbing Inspector Approval
b. State & Local Plumbing Inspector Approval
3. Replacement System Variance
a. Local Plumbing Inspector Approval
b. State & Local Plumbing Inspector Approval
4. Minimum Lot Size Variance
5. Seasonal Conversion Permit

DISPOSAL SYSTEM COMPONENTS
1. Complete Non-engineered System
2. Primitive System (graywater & alt. toilet)
3. Alternative Toilet, specify: _____
4. Non-engineered Treatment Tank (only)
5. Holding Tank, 2000 gallons
6. Non-engineered Disposal Field (only)
7. Separated Laundry System
8. Complete Engineered System (2000 gpd or more)
9. Engineered Treatment Tank (only)
10. Engineered Disposal Field (only)
11. Pre-treatment, specify: _____
12. Miscellaneous Components

SIZE OF PROPERTY
15+/- SQ. FT. ACRES

SHORELAND ZONING
Yes No

DISPOSAL SYSTEM TO SERVE
1. Single Family Dwelling Unit, No. of Bedrooms: ____
2. Multiple Family Dwelling, No. of Units: ____
3. Other: Electrical Substation 4 employees
(specify)
Current Use Seasonal Year Round Undeveloped

TYPE OF WATER SUPPLY
1. Drilled Well 2. Dug Well 3. Private
4. Public 5. Other

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK
1. Concrete
a. Regular H-10
b. Low Profile
2. Plastic
3. Other: _____
CAPACITY: 2000 GAL.

DISPOSAL FIELD TYPE & SIZE
1. Stone Bed 2. Stone Trench
3. Proprietary Device
a. cluster array c. Linear
b. regular load d. H-20 load
4. Other: _____
SIZE: _____ sq. ft. lin. ft.

GARBAGE DISPOSAL UNIT
1. No 2. Yes 3. Maybe
If Yes or Maybe, specify one below:
a. multi-compartment tank
b. ___ tanks in series
c. increase in tank capacity
d. Filter on Tank Outlet

DESIGN FLOW
48 gallons per day
BASED ON:
1. Table 4A (dwelling unit(s))
2. Table 4C(other facilities)
SHOW CALCULATIONS for other facilites
3. Section 4G (meter readings)
ATTACH WATER METER DATA

SOIL DATA & DESIGN CLASS
PROFILE CONDITION
___/___
at Observation Hole #_____
Depth ____"
of Most Limiting Soil Factor

DISPOSAL FIELD SIZING
1. Medium---2.6 sq. ft. / gpd
2. Medium--Large 3.3 sq. f.t / gpd
3. Large---4.1 sq. ft. / gpd
4. Extra Large---5.0 sq. ft. / gpd

EFFLUENT/EJECTOR PUMP
1. Not Required
2. May Be Required
3. Required
Specify only for engineered systems:
DOSE: _____ gallons

LATITUDE AND LONGITUDE
at center of disposal area
Lat. 43 d 09 m 19.3 s
Lon. 70 d 10 m 53 s
if g.p.s, state margin of error: 15

SITE EVALUATOR STATEMENT

I certify that on 12/19/2020 (date) I completed a site evaluation on this property and state that the data reported are accurate and that the proposed system is in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-144A CMR 241).

Site Evaluator Signature	263 SE #	12/19/2020 Date
Mark J Hampton Site Evaluator Name Printed	207-756-2900 Telephone Number	E-mail Address

Note : Changes to or deviations from the n should be confirmed with the Site Evaluator.

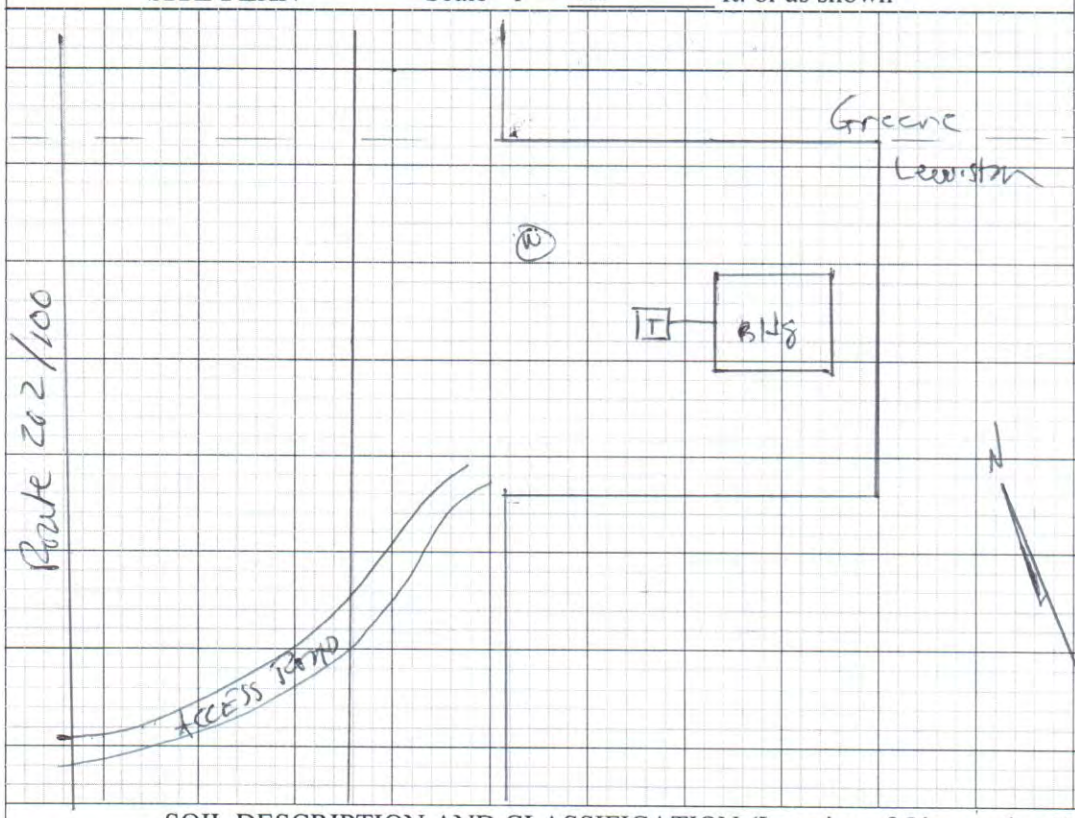
6409

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

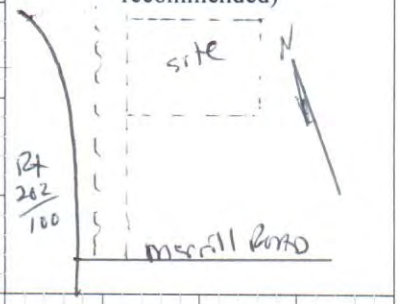
Department of Health & Human Services
Division of Environmental Health
(207) 287-5672 Fax: (207) 287-3165

Town, City, Plantation	Street, Road, Subdivision	Owner's Name
Lewiston	Merrill Road	NECEC Transmission LLC & CMP

SITE PLAN Scale 1" = 400 ft. or as shown

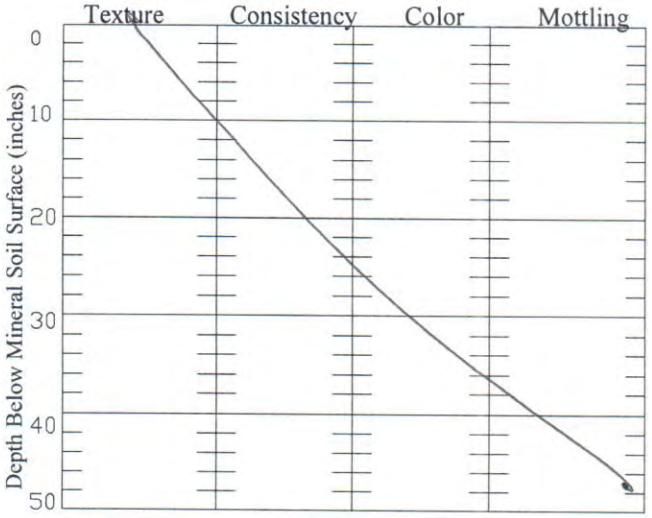


SITE LOCATION PLAN
(map from Maine Atlas recommended)



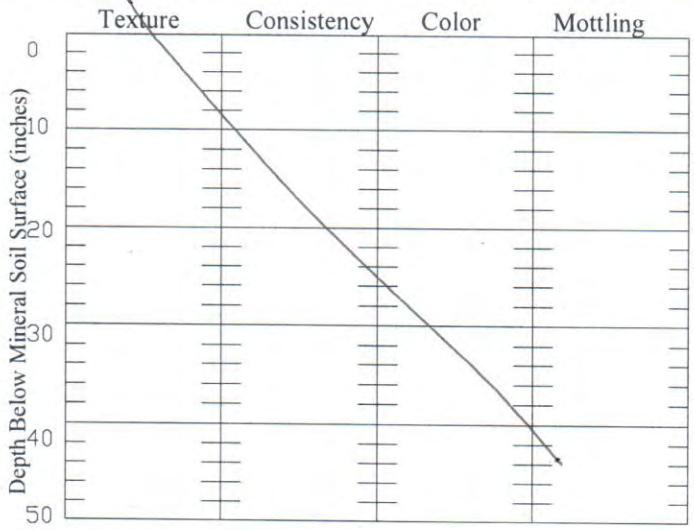
SOIL DESCRIPTION AND CLASSIFICATION (Location of Observation Holes Shown Above)

Observation Hole _____ ☐ Test Pit ☐ Boring
_____ " Depth of Organic Horizon Above Mineral Soil



Soil Classification	Slope	Limiting Factor	
_____ Profile _____ Condition	_____ %	_____ "	[ ] Ground Water [ ] Restrictive Layer [ ] Bedrock [ ] Pit Depth

Observation Hole _____ ☐ Test Pit ☐ Boring
_____ " Depth of Organic Horizon Above Mineral Soil



Soil Classification	Slope	Limiting Factor	
_____ Profile _____ Condition	_____ %	_____ "	[ ] Ground Water [ ] Restrictive Layer [ ] Bedrock [ ] Pit Depth

Site Evaluator Signature | 263 SE # | 12/19/2020 Date

6409

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

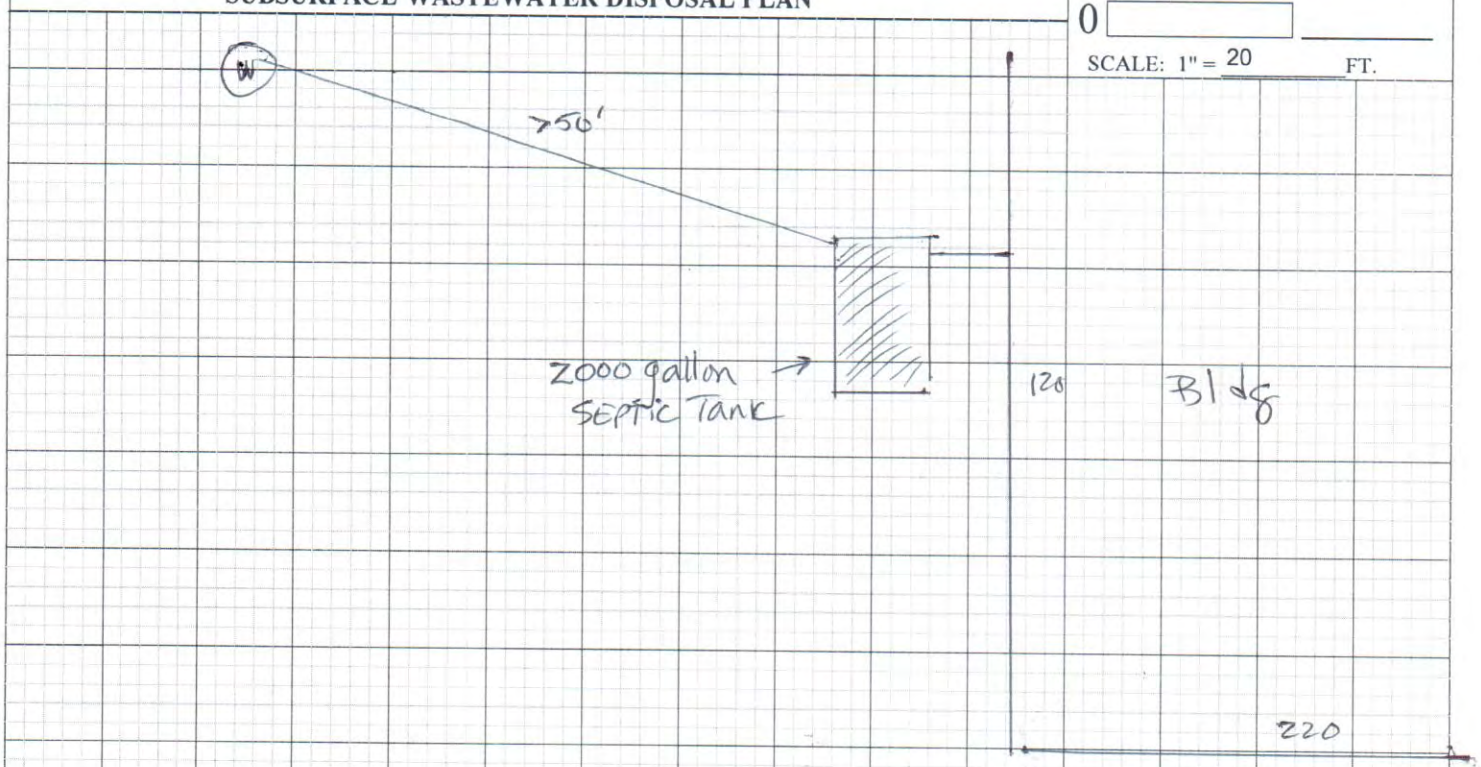
Department of Health & Human Services
Division of Environmental Health
(207) 287-5672 Fax: (207) 287-3165

Town, City, Plantation	Street, Road, Subdivision	Owner's Name
Lewiston	Merrill Road	NECEC Transmission LLC & CMP

SUBSURFACE WASTEWATER DISPOSAL PLAN

0

SCALE: 1" = 20 FT.



FILL REQUIREMENTS		CONSTRUCTION ELEVATIONS		ELEVATION REFERENCE POINT
Depth of Fill (Upslope)	N/A	Finished Grade Elevation		Location & Description: N/A
		Top of Distribution Pipe or Proprietary Device	N/A	
Depth of Fill (Downslope)		Bottom of Disposal Area		Reference Elevation: 0

Note: Materials and installation shall be in accordance with Maine Subsurface Wastewater Disposal Rules dated 08/15 as amended.

DISPOSAL AREA CROSS SECTION

Scale
Horizontal 1" = ____ ft.
Vertical 1" = ____ ft.

Note: All ground to be filled must be scarified

Site Evaluator Signature	SE #	Date
	263	12/19/2020

Attachment 1 – Natural Resource Maps

(Provided under separate cover due to file size)

NECEC – Minor Revision – Natural Resources Protection Act

Table 2 - Summary of Supplemental Information Associated with the NECEC NRPA Application		
NRPA Chapter & Title	*Affects Pending Application? (Yes/No)*	*Supplemental Information Provided Below*
Chapter 1 - Project Description	**Yes**	**See Site Law Minor Revision Section 1.0 Development Description**
Chapter 2 - Alternative Analysis	No	
Chapter 3 - USGS Map	No	
Chapter 4 - Photographs	No	
Chapter 5 - Project Plans	**Yes**	**See Site Law Minor Revision Section 27.0 and Attachment 1**
Chapter 6 - Additional Plans	No	
Chapter 7 - Construction Plan	No	
Chapter 8 - Erosion Control Plan	No	
Chapter 9 - Site Conditions	**Yes**	**See Section 9.0 and Exhibit 9-10**
Chapter 10 - Public Notice	No	
Chapter 11 - Maine Historic Preservation Commission and Outreach to Indian Tribes	No	
Chapter 12 - Wetland Functions and Values Assessment	No	
Chapter 13 - Compensatory Mitigation	**Yes**	**See Section 13.0 and associated revisions to the Compensation Plan Exhibits 1-4 and 1-5**

NECEC – NRPA Minor Revision – Supplemental Information

9.0 - Site Conditions

NRPA Exhibit 9-10: Wetlands Summary Table has been revised to reflect the overall decrease in direct and indirect impacts associated with the Project changes described in Development Description, Site Law Minor Revision Section 1.0.

13.0 - Compensatory Mitigation

Changes in impacts to protected natural resources resulting from IFC revisions and the changes necessitated in order to comply with the MDEP Permit Special Condition 12 are accounted for in the update to the Compensation Plan Exhibits 1-4 and 1-5. As summarized in Table 13-1 below, this has resulted in significant decreases in permanent wetland fill, including fill in SVPH and IWWH, and permanent forested wetland conversion. Only minor net increases in temporary wetland fill and direct impact to USACE jurisdictional vernal pools occur as a result of the modifications, as further explained below.

In-corridor temporary access roads have been modified to align with the IFC structure shifts. These adjustments to the in-corridor temporary access roads, along with the inclusion of the temporary workspace required to facilitate the Horizontal Directional Drill (HDD) at the Upper Kennebec River and the addition of off-right-of-way access roads (ORARs), both to comply with the vegetation management practices required by Condition 12 of the MDEP Permit (see MDEP Condition Compliance Application filed November 9, 2020[3]) have resulted in a net increase of 2.379 acres of temporary wetland impact associated with the placement of timber mats between the MDEP Permit and the modifications proposed by this revision. The net change in temporary wetland impact has been evaluated in Exhibits 1-4 and 1-5.

With respect to impacts to vernal pools, overall impacts have been reduced through the progression of the IFC design. Modifications at the Merrill Road Converter Station have resulted in increased impacts to two vernal pool habitats. These vernal pools do not meet the definition of "significant vernal pool habitat" in 38 M.R.S. § 480-B(8) & (10)(B)(1), and as discussed in the Development Description, the IFP proposal required compensation for the full loss of these two vernal pools,

[3] The MDEP Condition Compliance Application filed on November 9, 2020, included an ORAR referred to as "Parlin Pond 2." This ORAR is no longer proposed for Project use and its temporary wetland impacts are no longer included.

which has already been provided through payment of the ILF. As shown in Table 13-1 below, the changes proposed in this revision result in a net increase of direct impact to USACE Jurisdictional Vernal Pools or 100' Envelope.

Conversion of forested wetlands will be significantly reduced by the implementation of the vegetation management requirements in Appendix C of the MDEP Permit. The MDEP Permit requires that the Project significantly reduce tree clearing in Segment 1 through maintenance of taller vegetation in 12 Wildlife Areas (14.08 miles identified in MDEP Permit Appendix C) and the implementation of vegetation tapering throughout the remainder of Segment 1 (39.02 miles). By maintaining taller vegetation in these prescribed areas and through the implementation of the tapering in all other areas of Segment 1, these vegetation management practices over time will also maintain forested conditions in forested wetlands, thereby reducing the total permanent forested wetland conversion by about 40% (from 105.252 acres to 63.606 acres). CMP has fully compensated for conversion impacts through the land preservation requirements in the MDEP Permit.

Despite the minor increases in temporary wetland fill and impacts to vernal pools, the NECEC Project has provided excess land preservation and ILF to account for these increases. CMP has preserved 510.75 acres of wetlands, which is more than the 359.60 acres required resulting in a surplus of 151.15 acres of wetland preservation. Further, based on Project design modifications and resulting decreased permanent wetlands fill, decreased forested conversion (wetland and uplands), and decreased impacts to SVPH and IWWH, as summarized in Table 13-1 and detailed in the updated Compensation Exhibits 1-4 and 1-5, NECEC LLC has paid a surplus of $331,789.78 to the ILF Program. CMP is requesting that the surplus compensation fees paid and surplus of preserved land be available to draw from in the event that unanticipated construction impacts (that require additional compensatory mitigation) are authorized by the MDEP and the USACE.

The modifications proposed herein have resulted in a significant decrease in overall environmental impacts, as evidenced by the significant overpayment of compensation described above.

Table 13-1: Minor Revision Impact Change Summary Table

Activity / Resource Type	MDEP Permit Approved Impacts	Minor Revision-Proposed Project Modifications	Δ DEP Permit to Minor Revision Proposed Modifications
Permanent Fill in Wetlands (WOSS[1] & Non-WOSS)	4.121	3.616	↓ 0.505 acre
Temporary Wetland Fill	47.638	50.018	↑ 2.380 acres
Permanent Forested Wetland Conversion (WOSS[1] and Non-WOSS	105.252	63.606	↓ 41.646 acres
Permanent Fill in SVPH (wetlands and uplands)	1.462	0.309	↓ 1.153 acre
Permanent Conversion in SVPH (wetlands and uplands)	31.250	26.3912	↓ 4.859 acres
Direct Fill in USACE Jurisdictional Vernal Pools (Depression or 100' Envelope)[2]	2.216	2.476	↑0.260 acre
Permanent Fill in IWWH (wetlands and uplands)	0.017	0.011	↓0.006 acre
Permanent Conversion in IWWH (wetlands and uplands)	15.009	9.461	↓5.548 acres

[1] Permanent wetland fill in SVPH and IWWH are excluded from this calculation and are calculated separately within their own respective categories.

[2] There is no change in the number of USACE jurisdictional vernal pools or their compensation values between the MDEP Permit and the permit revision, so they are omitted from this summary table, but they are still addressed in the revised Compensation Plan Exhibits 1-4 and 1-5.

Exhibit 9-10 Wetland Summary Table (Revised)

Exhibit 9-10: Wetland Summary Table: Segment 1

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-00-03	N	14,854	0	0	0	PFO1			1
WET-00-04	N	41,246	0	70	1,398	PFO1			1
WET-00-02	Y	1,464	0	0	0	PFO1/4		River, stream or brook	1
WET-01-02	Y	5,193	0	0	0	PFO1		River, stream or brook	3
WET-01-05	N	4,033	0	0	0	PFO1			3
WET-01-08	N	9,369	0	0	194	PFO1			3
WET-01-07	N	69,204	0	2,624	10,490	PFO1E	PSS		3
WET-01-04	N	53,803	0	0	0	PSS			3
WET-01-03	Y	15,065	0	961	0	PSS	PEM	River, stream or brook	3
WET-01-20	N	2,083	0	0	0	PEM1E			4
WET-01-21	Y	49	0	0	0	PEM1E		River, stream or brook	4
WET-01-12	Y	302	0	0	0	PFO1/4		River, stream or brook	4
WET-01-13	N	306	0	0	0	PFO1/4			4
WET-01-09	N	4,529	0	0	0	PFO1/4E			4
WET-01-10	Y	42	0	0	0	PFO1/4E		River, stream or brook	4
WET-02-18	N	3,159	0	0	0	PEM1			5
WET-01-19	Y	38,344	0	2,619	0	PEM1E	PFO1	River, stream or brook	5
WET-01-17	Y	8,841	0	0	0	PEM1E	PFO1/4E	River, stream or brook	5
WET-02-19	N	4,616	0	4	0	PEM1E	PFO1E		5
WET-02-20	N	2,432	0	0	0	PEM1E	PFO1E		5
WET-01-14	N	928	0	0	423	PFO1			5
WET-02-15	N	2,102	0	0	0	PFO1/4E			5
WET-02-16	N	1,216	0	0	0	PFO1E			5
WET-01-16	N	5,249	0	0	0	PSS1E			5
WET-02-17	N	1,181	0	0	0	PSS1E			5
WET-01-15	N	9,219	0	0	0	PSS1E	PFO1E		5
WET-02-05	Y	784	0	0	0	PEM		River, Stream, or Brook	6
WET-02-06	Y	411	0	0	0	PEM		River, Stream, or Brook	6
WET-02-08	Y	2,381	0	270	0	PEM		River, Stream, or Brook	6
WET-02-09	N	12,655	0	861	0	PEM			6
WET-02-11	Y	5,051	0	0	0	PEM		River, stream or brook	6
WET-02-13	Y	1,118	0	187	0	PEM		River, Stream, or Brook	6
WET-02-12	N	5,652	0	0	0	PEM1			6
WET-02-04	Y	24,446	13	5,255	0	PEM1E		River, stream or brook	6
WET-02-22	N	3,592	0	0	0	PEM1E			6
WET-02-14	N	1,034	0	0	0	PFO			6
WET-02-03	N	1,355	0	0	0	PEM			7
WET-02-01	Y	6,387	0	0	0	PEM1E		River, stream or brook	7
WET-02-02	Y	10,598	0	639	0	PEM1E		River, stream or brook	7
WET-MS-03-15	N	1,157	0	0	0	PEM1E	PSS1E		7
WET-MS-02-06	N	468	0	0	0	PEM1Y			7
WET-MS-03-19	N	342	0	0	0	PEM			8
WET-MS-03-11	N	1,863	0	0	0	PEM1E			8
WET-MS-03-20	N	1,054	0	0	0	PEM1E			8
WET-MS-03-21	N	442	0	0	0	PEM1E			8
WET-MS-03-16	N	168	0	0	0	PEM1E	PSS1E		8

Exhibit 9-10: Wetland Summary Table: Segment 1

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-MS-03-17	N	2,215	0	0	0	PEM1E	PSS1E		8
WET-MS-03-12	Y	34,555	0	2,406	0	PSS		River, Stream, or Brook	8
WET-MS-03-18	N	1,996	0	0	0	PSS1E			8
WET-MS-03-13	Y	0	0	72	0	PEM		River, Stream, or Brook	9
WET-MS-03-8	N	264	0	0	0	PEM			9
WET-MS-03-9	N	3,719	0	1,587	0	PEM			9
WET-MS-04-05	N	2,893	0	0	0	PEM			9
WET-MS-04-07	N	315	0	0	0	PEM			9
WET-MS-03-03	N	1,432	0	0	0	PEM1Y	PFO1Y		9
WET-MS-03-06	N	1,417	0	0	0	PEM1Y	PSS1E		9
WET-MS-03-10	Y	3,790	0	155	155	PFO		River, Stream, or Brook	9
WET-MS-03-01	N	5,401	0	0	562	PFO1			9
WET-MS-04-06	N	2,532	0	0	343	PFO1/4E			9
WET-MS-03-7	N	206	0	0	0	PSS			9
WET-MS-03-04	N	2,905	0	0	0	PSS1E			9
WET-MS-04-04	N	2,174	0	0	0	PEM			10
WET-MS-04-08	N	1,367	0	1	0	PEM			10
WET-04-08	N	912	0	0	0	PEM			11
WET-04-07	N	15,861	0	0	0	PSS			11
STI-WT-18	N	143	0	143	0	PEM			12
STI-WT-19	N	1,435	0	494	0	PEM			12
WET-05-07	Y	2,989	0	0	0	PEM		River, stream or brook	12
WET-05-09	Y	6,094	0	0	0	PEM		River, stream or brook	12
WET-04-02	N	8,410	0	0	0	PEM1E			12
WET-04-10	N	1,087	0	0	0	PEM1E			12
WET-04-09	N	6,087	0	827	0	PEM1E	PSS1/4E		12
WET-04-12	N	13,547	0	3	0	PEM1E	PSS1/4E		12
WET-05-06	Y	35,881	0	1,587	9,660	PFO1-4		River, stream or brook	12
WET-05-08	Y	6,295	0	543	3,141	PFO1-4		River, stream or brook	12
WET-05-03	N	1,016	0	0	0	PEM			13
WET-05-04	N	11,183	0	0	0	PSS			13
WET-05-05	N	20,357	0	0	0	PSS			13
WET-05-01	N	9,446	0	0	0	PEM			14
WET-06-01	N	7,275	0	0	0	PEM			16
WET-06-03	Y	6,666	0	164	0	PEM		River, stream or brook	16
WET-06-04	N	671	0	0	0	PEM			16
WET-07-14	N	3,983	0	986	0	PEM			16
WET-07-15	N	1,705	0	0	0	PEM			16
WET-06-02	Y	9,321	0	0	311	PFO1		River, stream or brook	16
WET-07-13	N	1,026	0	0	0	PFO1-4			16
WET-07-04	N	2,260	0	0	0	PEM			17
WET-07-05	Y	9,509	0	380	0	PEM		River, stream or brook	17
WET-07-06	Y	20,231	0	0	0	PEM		River, stream or brook	17
WET-07-09	N	10,353	0	0	0	PEM			17
WET-07-08	N	311	0	0	0	PFO1			17
WET-07-10	N	7,473	0	0	0	PFO1-4			17

Exhibit 9-10: Wetland Summary Table: Segment 1

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-07-03	N	5,761	0	0	0	PEM			18
WET-07-01	Y	5,327	0	0	0	PFO1-4		River, stream or brook	18
WET-07-02	Y	23,995	0	1,578	5,834	PFO1-4		River, stream or brook	18
WET-08-03	Y	1,172	0	0	0	PEM		River, stream or brook	20
WET-08-04	N	11,771	0	0	0	PEM			20
WET-08-05	N	9,427	0	0	0	PEM			20
WET-08-02	N	1,603	0	0	0	PFO1-4			20
WET-08-01	Y	75,503	0	0	0	PFO4		River, stream or brook	20
WET-09-09	Y	38,316	0	0	0	PFO1-4		River, stream or brook	21
WET-09-11	Y	56,025	0	0	0	PFO1-4		River, stream or brook	21
WET-09-01	N	31,149	0	1,492	0	PEM			22
WET-09-05	N	3,018	0	0	0	PEM			22
WET-09-04	Y	1,841	0	0	0	PFO1-4		River, stream or brook	22
WET-09-07	N	14,737	0	0	0	PEM			23
WET-10-01	N	36,754	0	1,528	8,157	PFO1/4	PEM		23
WET-10-07	N	13,429	0	0	0	PFO1			24
WET-10-08	N	1	0	0	0	PFO1			24
WET-10-08	Y	1,522	0	0	0	PFO1		River, stream or brook	24
WET-10-04	N	3,116	0	0	2,380	PFO1/4			24
WET-10-05	N	208	0	0	0	PFO1/4			24
WET-10-06	N	977	0	0	0	PFO1/4			24
WET-10-02	N	3,908	0	352	2,557	PFO1/4	PEM		24
WET-10-03	N	9,476	0	1,266	5,002	PFO1/4	PEM		24
WET-10-10	Y	57,852	0	109	109	PFO1/4E	PEM	River, stream or brook	24
WET-10-09	Y	28,684	0	2,040	11,527	PFO1/4	PEM	River, stream or brook	25
WET-10-12	N	260	0	0	0	PFO1/4E			25
WET-10-11	Y	35,666	0	0	10,323	PFO1/4E	PSS	River, stream or brook	25
WET-RR-11-01	N	4,734	0	0	0	PEM1E			26
WET-RR-11-02	N	17,677	0	0	0	PEM1E			26
WET-RR-11-03	Y	6,759	0	0	0	PFO1-4		River, stream or brook	26
WET-RR-11-05	N	12,095	0	0	0	PFO1/4E			26
WET-RR-11-04	Y	3,195	0	0	0	PFO1/4E	PEM1E	River, stream or brook	26
WET-11-04	N	8,686	0	0	0	PFO1E			26
WET-RR-12-02	Y	7,955	0	0	0	PFO1/4E		River, stream or brook	27
WET-RR-12-2-RR1	Y	73,730	0	0	0	PRO1/4E		River, stream or brook	27
WET-RR-12-01	Y	369	0	0	0	PSS1E		River, stream or brook	27
WET-12-01	N	18,889	0	0	0	PFO1/4	PEM		28
WET-12-02	Y	2,639	0	0	0	PFO1/4		River, stream or brook	29
WET-12-04	Y	44,922	0	594	0	PSS		River, stream or brook	29
WET-12-08	Y	6,743	0	0	0	PEM	PFO1	River, stream or brook	30
WET-12-07	Y	4,307	0	0	2,570	PFO4		River, stream or brook	30
WET-13-09	N	16,569	0	720	1,955	PFO4			30
WET-13-10	N	34,184	0	3,673	11,468	PFO4			30
WET-13-11	N	4,231	0	773	1,443	PFO4			30
WET-13-13	N	6,528	0	1,306	1,597	PFO4			30

Exhibit 9-10: Wetland Summary Table: Segment 1

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-13-14	N	10,887	0	427	1,344	PFO4			30
WET-13-15	N	2,042	0	249	872	PFO4			30
WET-13-16	N	11,773	0	760	2,186	PFO4			30
WET-13-17	N	1,628	0	0	430	PFO4			30
WET-13-18	N	32,419	0	2,120	7,843	PFO4			30
WET-13-19	N	1,270	0	0	0	PFO4			30
WET-13-21	N	4,068	0	0	0	PSS4E			30
WET-13-22	N	426	0	0	0	PSS4E			30
WET-13-02	N	544	0	0	0	PEM			31
WET-13-06	N	1,893	0	0	0	PEM			31
WET-13-07	Y	26,156	0	559	0	PEM		River, stream or brook	31
WET-13-08	Y	3,615	0	0	0	PEM		River, stream or brook	31
WET-14-17	N	2,835	0	0	0	PEM			32
WET-14-14	N	2,505	0	0	0	PEM1E			32
WET-14-16	Y	726	0	0	0	PEM1E		River, stream or brook	32
WET-14-04	Y	146	0	0	0	PEM1E		River, stream or brook	33
WET-14-05	Y	31	0	0	0	PEM1E		River, stream or brook	33
WET-14-06	N	1,286	0	0	0	PEM1E			33
WET-14-07	N	77	0	0	0	PEM1E			33
WET-14-12	Y	6,716	0	0	0	PEM1E		River, stream or brook	33
WET-14-13	N	292	0	0	0	PEM1E			33
WET-14-10	Y	467	0	0	0	PFO1		River, stream or brook	33
WET-14-02	N	471	0	0	0	PFO1/4E			33
WET-14-11	Y	115	0	0	0	PFO1E		River, stream or brook	33
WET-13-03	Y	486	0	0	0	PSS		River, stream or brook	33
WET-14-08	N	57	0	0	0	PSS			33
WET-15-17	N	601	0	0	0	PFO1			34
WET-14-01	N	255	0	0	0	PFO1/4E			34
WET-15-05	N	174	0	0	0	PFO1-4			36
WET-16-01	N	423	0	0	0	PFO4E			36
WET-15-04	N	982	0	0	0	PUB			36
WET-16-15	N	776	0	26	0	PEM			37
WET-16-13	N	524	0	0	0	PEM1E			37
WET-16-10	Y	5	0	0	0	PEM1E	PSS1E	River, stream or brook	37
WET-16-04	Y	17,526	0	0	0	PFO1/4E		River, stream or brook	37
WET-16-05	N	314	0	0	0	PFO1/4E			37
WET-16-101	Y	14,004	0	0	0	PSS1E		River, stream or brook	37
WET-16-14	Y	73,477	0	7,623	0	PSS1E	PFO1E	River, stream or brook	37
WET-17-11	Y	204,552	0	13,436	48,132	PFO1/4		River, stream or brook	38
WET-16-104	N	3,067	0	0	0	PFO1E			38
WET-16-102	N	17,539	0	393	0	PSS1E			38
WET-16-103	N	660	0	0	0	PSS1E			38
WET-17-04	Y	17,486	0	0	2	PFO1/4		River, stream or brook	39
WET-17-09	N	520	0	0	467	PFO1/4			39
WET-17-10	N	468	0	0	0	PFO1/4			39
WET-17-08	N	7,028	0	38	5,379	PFO			40

Exhibit 9-10: Wetland Summary Table: Segment 1

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-17-07	N	647	0	0	0	PFO1-4	PEM		40
WET-18-05	Y	160,032	0	3,500	24,682	PFO1/4		River, stream or brook	40
WET-17-06	N	777	0	0	0	PFO1/4	PEM		40
WET-18-04	Y	25,875	0	2,227	8,421	PFO1/4		River, stream or brook	41
WET-18-100	Y	2,028	0	0	1,337	PFO1	PFO4	River, Stream or Brook	42
WET-18-01	N	10,340	0	0	0	PFO1-4			42
WET-18-02	Y	11,277	0	550	1,783	PFO1-4		River, stream or brook	42
WET-18-03	Y	1,364	0	0	12	PFO1/4		River, stream or brook	42
WET-18-101	Y	4,684	0	0	2,586	PFO4		River, Stream, or Brook	42
WET-19-02	N	11	0	0	0	PFO1/4			43
WET-19-01	N	3,643	0	0	44	PFO1/4			44
WET-19-03	N	2	0	0	0	PSS1E	PUB		44
WET-20-07	N	28,191	0	1,953	6,760	PFO/PSS			45
WET-RR2-1	N	817	0	0	0	PSS			46
WET-RR2-2	N	9,963	0	640	0	PSS			46
WET-RR2-3	N	4,523	0	0	0	PSS			46
WET-20-5-RR2	Y	47,570	0	0	0	PEM/POW	PSS	River, stream or brook; Significant wildlife (IWWH)	46
WET-20-06	N	21,788	0	0	0	PFO1-4			46
WET-20-05	Y	1,684	0	0	0	PSS	PEM	River, stream or brook; Significant wildlife (IWWH)	46
WET-20-02	N	79,288	0	5,545	5,545	PFO4			47
WET-21-12	Y	16,712	0	951	951	PFO4		River, stream or brook; Significant wildlife (IWWH)	47
WET-21-10	N	5,960	0	0	0	PEM			48
WET-21-08	Y	166,611	0	7,418	7,418	PFO1-4		River, stream or brook	48
WET-21-09	Y	84,749	0	8,218	8,218	PFO1-4		River, stream or brook; Significant wildlife (IWWH)	48
WET-21-06	N	907	0	0	0	PFO1-4			49
WET-21-01	Y	65,727	0	3,564	3,564	PFO4	PSS	Peatland	49
WET-21-02	Y	21,556	0	0	0	PSS		Peatland	49
WET-21-03	Y	8,404	0	0	0	PSS		Peatland	49
WET-21-04	N	2,072	0	0	0	PSS			49
WET-21-05	N	6,644	0	0	0	PSS			49
WET-22-07	N	11,331	0	1,176	1,176	PFO1			50
WET-22-02	N	10,223	0	0	0	PFO1-4			51
WET-22-03	N	10,852	0	0	0	PFO1-4			51
WET-22-01	N	29,824	0	556	556	PFO4			51
WET-22-05	N	57,665	0	1,560	1,560	PFO4			51
WET-22-04	N	9,705	28	4,647	0	PSS			51
WET-23-03	Y	142,677	0	0	0	PFO4		River, stream or brook	52
WET-23-02	N	76,702	0	0	0	PFO4	PSS		52
WET-23-02	Y	707	0	0	0	PFO4	PSS	Peatland	52
WET-23-01	N	47,694	0	2,428	0	PSS			52
WET-24-11	N	115,108	0	75	75	PFO4			54
WET-24-10	Y	158,314	0	0	0	PSS	PFO4	River, stream or brook; Significant wildlife (IWWH)	54

Exhibit 9-10: Wetland Summary Table: Segment 1

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-24-06	N	23,475	0	0	0	PFO4			55
WET-24-08	N	6,179	0	0	0	PFO4			55
WET-24-09	N	52,477	0	4,449	0	PSS			55
WET-24-07	N	8,070	0	0	0	PSS	PFO		55
WET-24-05	Y	33,601	0	0	0	PFO	PSS/PUB	Peatland	56
WET-24-03	N	20,538	0	0	0	PFO4			56
WET-25-10	N	22,463	0	0	0	PFO4E	PEM1E		56
WET-24-01	Y	8,136	0	0	0	PSS		River, stream or brook	56
WET-24-04	Y	1,724	0	0	0	PSS		Peatland	56
WET-25-09	Y	3,688	0	0	0	PEM	PSS	Peatland	57
WET-25-01	N	85,431	0	4,544	19,810	PFO4			57
WET-25-08	N	9,717	0	0	0	PFO4			57
WET-25-100	N	3,541	0	20	1,995	PFO4			57
WET-25-11	N	4,098	0	0	0	PFO4E			57
WET-25-07	N	1,991	0	0	0	PSS			57
WET-25-06	N	1,151	0	0	0	PEM			58
WET-25-02	Y	6,831	0	0	864	PFO4		Significant wildlife (IWWH)	58
WET-25-03	Y	54,104	0	0	0	PFO4		River, stream or brook; Significant wildlife (IWWH)	58
WET-25-04	N	11,310	0	0	0	PFO4			58
WET-26-03	N	4,420	0	0	0	PFO4			59
WET-26-01	Y	384	0	0	0	PFO4E		Significant wildlife (IWWH)	59
WET-26-04	N	19,373	0	0	9,189	PFO4E			59
WET-26-08	Y	6,374	0	0	0	PFO4E		Significant wildlife (IWWH); Peatland	59
WET-26-02	Y	32,528	0	3,199	0	PSS		River, stream or brook; Significant wildlife (IWWH)	59
WET-26-07	Y	46,455	0	0	0	P404E		River, stream or brook; Peatland	60
WET-26-06	Y	2,021	0	0	634	PFO1		River, stream or brook	60
WET-26-05	N	9,520	0	0	0	PFO1-4			60
WET-26-100	N	8,939	0	0	1,698	PFO1/4			60
WET-27-08	N	2	0	0	0	PFO1-4			61
WET-27-09	N	15,696	0	0	4,378	PFO1/4			61
WET-27-04	Y	18,486	0	0	0	PFO1/4E		River, stream or brook	61
WET-SRD1-27-03	N	4,176	0	502	0	PEM			62
WET-27-01	N	21,376	0	566	3,746	PFO1/4			62
WET-27-02	N	21,328	0	0	470	PFO1/4E			62
WET-27-03	Y	1,371	0	0	0	PFO1/4E		River, stream or brook	62
WET-27-100	N	87	0	0	0	PFO4			62
WET-27-06	N	18,676	0	470	0	PSS			62
WET-SRD1-27-01	N	1,769	0	0	0	PSS			62
WET-SRD1-27-02	N	2,986	0	0	0	PSS			62
WET-EM-28-10	N	60,571	0	0	6,142	PFO4E			63

Exhibit 9-10: Wetland Summary Table: Segment 1

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-SRD1-27-04	Y	360,254	20	10,130	0	PSS		River, stream or brook; Peatland	63
WET-EM-28-16	N	34,272	0	0	0	PSS1E			63
WET-EM-28-11	N	3,369	0	0	0	PSS1E	PEM1E		63
WET-EM-29-14	N	569	0	0	0	PEM			64
WET-EM-28-12	N	1,992	0	0	0	PEM1E			64
WET-EM-28-13	N	63,591	0	424	0	PEM1E			64
WET-EM-28-15	N	3,351	0	0	0	PEM1E			64
WET-SR-28-19	N	1,375	0	0	0	PEM1E			64
WET-SR-28-17	N	6,127	0	0	0	PFO1E			64
WET-SR-28-20	N	3,661	0	0	0	PSS1E			64
WET-SR-29-07	N	33,881	0	0	0	PEM1E			66
WET-SR-29-10	N	1,339	0	0	0	PEM1E			66
WET-SR-29-11	N	6,218	0	0	0	PEM1E			66
WET-SR-29-12	N	6,608	0	0	0	PEM1E			66
WET-RR-01-04	N	9	0	0	0	PFO1			66
WET-SR-29-05	N	3,979	0	0	2,884	PFO1E			66
WET-SR-29-06	N	1,905	0	0	336	PFO1E			66
WET-SR-29-19	N	2,745	0	10	2,558	PFO4E			66
WET-SR-29-03	Y	2,690	0	0	0	PSS1E		River, stream or brook	66
WET-SR-29-04	Y	2,653	0	11	0	PSS1E		River, stream or brook	66
WET-SR-29-13	N	746	0	0	0	PSS1E			66
WET-SR-29-16	N	803	0	0	0	PEM1E			67
WET-SR-29-18	N	10,270	0	0	0	PFO4E			67
WET-SR-29-20	N	229	0	0	0	PFO4E			67
WET-SR-29-21	N	3,701	0	0	380	PFO4E			67
WET-SR-30-02	N	312,853	20	15,815	54,430	PFO4E			67
WET-SR-29-22	N	51,488	0	0	19,003	PFO4E	PEM1E		67
WET-SR-29-17	N	3,176	0	0	0	PSS1E			67
WET-SR-30-01	N	7,786	0	0	0	PSS1E			67
WET-30-01	Y	3,684	0	0	1,452	PFO1/4	PFO1	River, stream or brook	68
WET-SR-30-03	N	6,032	0	0	3,531	PFO4E			68
WET-30-03	Y	27,748	0	1,699	6,652	PFO4	PEM	Peatland	69
WET-SR-31-06	Y	5,954	0	0	0	PFO4E		Significant wildlife (ETS)	69
WET-SR-31-09	Y	1	0	0	0	PFO4E		Significant wildlife (ETS)	69
WET-SR-31-02	N	10,616	0	0	2,517	PFO4E			70
WET-SR-31-05	Y	631	0	0	0	PFO4E		Significant wildlife (ETS)	70
WET-SR-31-07	Y	2,742	0	0	0	PFO4E		Significant wildlife (ETS)	70
WET-SR-31-08	Y	1,465	0	0	0	PFO4E		Significant wildlife (ETS)	70
WET-SR-31-03	Y	110,955	0	4,006	20,933	PFO4E	PFO1-4	Significant wildlife (ETS)	70
WET-31-05	Y	154,697	0	13	0	PSS	PFO1-4	River, stream or brook; Significant wildlife (ETS)	70
WET-SR-31-04	Y	5,219	0	0	0	PSS4E	PFO4	Significant wildlife (ETS)	70
WET-31-02	N	3,058	0	0	0	PEM			71
WET-31-04	N	710	0	0	0	PFO1			71
WET-31-01	Y	27,030	0	0	8,758	PFO1-4		River, stream or brook	71

Exhibit 9-10: Wetland Summary Table: Segment 1

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-31-03	Y	417	0	0	0	PFO1-4		River, stream or brook	71
WET-32-07	N	30,107	0	0	0	PFO4			71
WET-32-05	N	12,558	0	1,077	0	PEM			72
WET-32-06	N	1,056	0	0	0	PEM			72
WET-32-04	N	13,881	0	2,271	0	PEM	PFO4		72
STI-55	N	5,317	0	0	0	PSS/PFO			72
WET-32-03	N	36,988	0	0	9,582	PFO4			73
WET-32-02	Y	31,277	0	0	5,263	PFO4	PEM	Significant wildlife (ETS)	73
WET-33-07	Y	3,192	0	0	0	PEM		Significant wildlife (ETS)	74
WET-33-08	Y	5,179	0	0	0	PEM		Significant wildlife (ETS)	74
WET-33-09	Y	458	0	0	0	PEM		Significant wildlife (ETS)	74
WET-33-10	Y	2,605	0	0	0	PEM		Significant wildlife (ETS)	74
WET-33-11	Y	958	0	0	0	PEM		Significant wildlife (ETS)	74
WET-EM-33-04	N	729	0	0	0	PEM			75
WET-EM-33-08	N	4,785	0	0	0	PEM1E			75
WET-34-06	Y	0	0	0	3,377	PFO1-4		River, stream or brook	75
WET-33-12	N	395	0	0	0	PFO4			75
WET-EM-33-03	Y	5,635	0	0	0	PSS1E	PEM1E	River, stream or brook	75
WET-EM-33-01	N	13,917	0	0	0	PSS4E			75
WET-EM-33-02	N	2,409	0	0	0	PSS4E	PEM4E		75
WET-33-02	N	1,652	0	0	0	PFO1			76
WET-EM-34-05	N	8,161	0	0	0	PEM1E	PFO1E		77
WET-EM-34-03	N	3,950	0	0	0	PFO1E	PEM1E		77
WET-EM-34-02	N	20,418	0	2,981	2,981	PFO4E	PSS4E		77
WET-EM-34-04	N	4,791	0	0	0	PSS1E	PFO1E		77
WET-EM-34-11	N	26,582	0	0	0	PFO1/4			78
WET-EM-34-10	N	2,735	0	0	43	PFO1E			78
WET-EM-34-08	N	2,598	0	0	0	PFO1E	PFO4E		78
WET-EM-34-09	N	5,561	0	73	2,973	PFO4E	PEM1E		78
WET-EM-35-01	N	5,129	0	0	0	PFO4E			79
WET-EM-35-02	N	87,244	0	4,715	20,285	PFO4E	PEM1E		79
WET-EM-35-05	Y	65,063	0	3,153	14,960	PFO4E	PEM1E, PSS4	Peatland	79
WET-EM-35-07	N	1,826	0	0	0	PEM1E			80
WET-EM-35-08	N	306	0	0	0	PEM1E			80
WET-35-01	Y	81,312	0	0	11,286	PFO1-4		River, stream or brook	80
WET-35-02	Y	4,124	0	0	0	PSS		River, stream or brook	80
WET-36-12	N	5,041	0	0	0	PEM			81
WET-36-13	N	89,470	0	3,678	19,294	PFO1-4			81
WET-36-03	Y	5,145	0	0	0	PEM		River, stream or brook	82
WET-36-06	N	4,279	0	0	0	PEM			82
WET-36-08	N	489	0	0	0	PEM			82
WET-36-09	N	64,271	0	0	9,625	PFO1/4			82
WET-36-10	N	11,188	0	0	0	PSS			82
WET-36-11	N	3,162	0	0	0	PSS			82
WET-36-07	N	15,348	0	850	0	PSS	PEM		82
WET-36-01	Y	212	0	0	0	PEM		River, stream or brook	83

Exhibit 9-10: Wetland Summary Table: Segment 1

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-36-04	Y	524	0	0	0	PEM		River, stream or brook	83
WET-36-05	Y	792	0	0	0	PEM		River, stream or brook	83
WET-37-10	N	846	0	0	0	PFO1			84
WET-37-11	N	3,211	0	0	0	PFO1-4	PEM		84
WET-37-07	Y	2,364	0	0	0	PSS		River, stream or brook	84
WET-37-02	N	5,286	0	0	0	PSS	PEM		84
WET-37-03	N	6,937	0	0	0	PSS	PEM		84
WET-37-08	N	40,303	0	0	0	PSS	PEM		84
WET-38-11	N	2	0	0	0	PEM			85
WET-38-11	Y	281	0	0	0	PEM		River, stream or brook	85
WET-38-12	N	5,470	0	0	0	PFO1			85
WET-38-10	Y	2,541	0	0	0	POW, PSS	PFO, PSS	River, stream or brook; Open Water	85
WET-38-08	N	514	0	0	0	PFO1-4			86
WET-38-01	N	6,983	0	531	5,119	PFO1			87
WET-38-05	N	5,905	0	0	692	PFO1			87
WET-39-08	Y	28,511	0	2,097	0	PSS		River, stream or brook	87
WET-38-04	Y	4,683	0	0	0	PSS, PEM		River, stream or brook	87
WET-39-05	Y	21,215	0	427	9,278	PFO1-4		River, stream or brook	88
WET-39-07	N	34,449	0	385	0	PSS			88
WET-40-24	N	167	0	0	0	PEM			89
WET-39-04	N	548	0	0	0	PFO1			89
WET-39-02	N	8,052	0	576	1,968	PFO1-4			89
WET-39-03	Y	37,599	0	0	3,347	PFO1-4		River, stream or brook	89
WET-39-01	Y	1,351	0	0	0	PSS1E		River, stream or brook	89
WET-40-25	N	2,801	0	0	545	PFO1-4			90
WET-40-21	Y	7,936	0	0	0	PFO1/4E	PEM1E	River, stream or brook	90
WET-40-18	N	177,218	0	5,040	32,741	PFO4E	PEM		90
WET-CR-40-01	N	4,601	0	0	0	PSS1/4E			90
WET-41-09	Y	14,189	0	0	0	PFO1-4		River, stream or brook; SVP Habitat Zone	91
WET-40-05	N	9,653	0	0	0	PFO1/4E			91
WET-40-11	Y	69,465	0	0	9,090	PFO1/4E		River, stream or brook	91
WET-40-15	Y	1,588	0	0	0	PFO1/4E		SVP Habitat Zone	91
WET-40-10	N	8,977	0	3,809	5,600	PFO1E			91
WET-40-16	Y	3,111	0	0	0	PFO1E		River, stream or brook; SVP Habitat Zone	91
WET-41-11	Y	322	0	0	0	PSS		River, stream or brook; SVP Habitat Zone	91
WET-40-13	N	257	0	0	0	PSS1E			91
WET-41-8	N	0	0	590	0	PSS			92
WET-41-12	N	384	0	0	0	PSS			92
WET-41-06	Y	97,709	0	0	24,118	PFO1/4E		River, stream or brook	92
WET-41-02	Y	118,726	0	0	14,390	PFO1		River, stream or brook	93
WET-41-01	Y	18,991	0	230	767	PFO1-4		River, stream or brook	93
WET-41-03	N	27,479	0	0	3,475	PFO1/4E	PSS1E		93

Exhibit 9-10: Wetland Summary Table: Segment 1

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-42-12	N	3,135	0	2	2	PFO1-4			94
WET-42-13	N	679	0	0	0	PFO1-4			94
WET-42-14	N	3,903	0	0	218	PFO1-4			94
WET-42-15	Y	21,614	0	0	2,447	PFO1-4		River, stream or brook	94
WET-42-16	Y	12,054	0	1,368	3,853	PFO1-4		River, stream or brook	94
WET-42-17	Y	41,483	0	0	9,058	PFO1-4		River, stream or brook	94
WET-42-07	N	980	0	0	0	PEM			95
WET-42-11	N	15,792	0	0	6,879	PFO			95
WET-42-08	N	364	0	0	0	PFO1			95
WET-42-18	N	6,621	0	0	0	PFO1-4			95
WET-42-09	Y	10,959	0	0	0	POW		River, stream or brook	95
WET-42-05	N	1,140	0	0	0	PEM			96
WET-42-04	N	2,100	0	0	0	PFO			96
WET-43-02	N	5,424	0	0	0	PFO			96
WET-42-02	Y	8,504	0	1,165	1,165	PFO1		River, stream or brook	96
WET-43-01	N	701	0	0	701	PFO1			96
WET-43-04	N	6,769	0	0	0	UNK â€“ No Classification Provided			97
WET-43-05	N	129	0	0	0	UNK â€“ No Classification Provided			97
WET-44-10	Y	13	0	0	0	PFO		River, stream or brook	98
WET-44-12	N	9,788	0	0	5,186	PFO	PEM		98
WET-44-09	N	24,008	0	0	0	PSS			98
WET-43-08	Y	9,686	0	1,268	0	UNK â€“ No Classification Provided		River, stream or brook	98
WET-44-04	N	4,619	0	0	206	PFO4			99
WET-44-05	N	127,221	0	2,445	15,785	PFO4	PEM, PSS		99
WET-44-07	N	481	0	0	0	PSS			99
WET-44-02	N	1,494	0	0	0	PEM1E			100
WET-44-13	Y	170,350	0	5,735	5,736	PFO1-4		River, stream or brook	100
WET-45-03	Y	4,272	0	1,246	1,246	PFO1E		River, stream or brook	100
WET-45-02	Y	100,634	0	7,190	7,190	PFO4E		River, stream or brook	100
WET-44-03	N	3,277	0	0	0	PFO4E	PEM		100
WET-45-04	N	503	0	0	0	PEM1E			101
WET-45-10	N	1,806	0	0	0	PEM1E			102
WET-45-11	N	286	0	0	0	PEM1E			102
WET-46-09	N	983	0	0	0	PFO1			102
WET-45-12	Y	21,982	0	0	0	PFO1E		River, stream or brook	102
WET-46-08	N	20,481	0	0	0	PEM			103
WET-46-06	Y	47,119	0	1,403	1,403	PFO4E	PSS1E	River, stream or brook	103
WET-46-03	Y	55,504	0	0	0	PFO1-4E		River, stream or brook	104
WET-47-09	N	26,402	0	1,534	4,939	PFO1	PSS		105
WET-47-14	N	3,284	0	0	1,218	PFO1/4			105
WET-47-13	N	630	0	0	0	PFO1/4E			105
WET-47-02	N	13	0	6,698	0	PEM1			106
WET-47-03	N	15	0	0	0	PEM1E	PSS		106
WET-47-05	N	1,513	0	0	0	PEM1E	PSS		106
WET-47-03	N	1,232	0	0	0	PEM1E	PSSPSS		106
WET-47-08	N	6,175	0	0	0	PFO4E			106

Exhibit 9-10: Wetland Summary Table: Segment 1

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-47-01	N	38,557	0	0	0	PSS			106
WET-47-04	N	7,115	0	0	0	PSS1E	PEM1E		106
WET-WKT-105	N	0	0	779	0	PSS			107
WET-WKT-107	N	0	0	9	0	PSS			107
WET-WKT-109	N	0	0	2,945	0	PSS			107
WET-WKT-4	N	0	0	2,200	0	PSS			107
WET-48-04	N	2,597	0	0	0	PEM1			107
WET-48-08	Y	4,787	0	0	0	PEM1E		SVP Habitat Zone	107
WET-48-07	Y	2,767	0	0	0	PFO1/4E		Significant Vernal Pool	107
WET-48-06	Y	5,472	0	44	0	PFO1/4E	PEM	Significant Vernal Pool	107
WET-48-05	Y	58,531	0	0	18,840	PFO1E	PFO4/PSS	River, stream or brook	107
WET-WKT-1	N	0	20	8,613	0	PSS			108
WET-WKT-103	N	0	0	1,256	0	PSS			108
	N	0	1,513	12,376	0				108
WET-WJB4	N	0	862	1,844	0	PFO1			108
WET-48-01	N	497	0	0	0	PFO1E	PEM		108
WET-48-03	N	44,670	0	1,764	8,559	PFO4E	PEM		108
WET-WJB11	N	4,434	0	0	0	PFO1/4			109
WET-49-01	N	9,441	0	0	0	PFO1E			109
WET-WJB9	N	0	5,156	1,214	0	PSS			110
WET-WJB8	N	0	6,316	2,826	0	PSS	PFO1/4		110
WET-49-02	N	11,984	0	3	921	PFO1/4E			110
WET-49-03	N	6,313	0	0	0	PFO1/4E			110
WET-49-04	Y	139,669	20	3,552	3,552	PFO1/4E		River, stream or brook	110
WET-49-05	N	3,390	0	0	0	PFO1E			111

Exhibit 9-10: Wetland Summary Table: Segment 2

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-52-02	N	28,471	0	2,635	5,709	PFO1-4	PEM		117
WET-52-01	N	47,548	0	3,744	16,991	PFO1-4E			117
WET-52-04	N	11,174	0	3,289	3,111	PFO1-4E			117
WET-52-05	N	311,629	40	15,980	77,852	PFO1-4E			117
WET-52-03	N	1,415	0	0	0	PFO1-4E	PEM		117
WET-53-02	N	75,128	0	6,020	23,043	PFO1-4	PEM		118
WET-53-03	N	67,106	20	8,240	17,975	PFO1-4E	PEM		118
WET-53-07	N	13,662	0	38	0	PEM			119
WET-53-05	Y	31,823	0	618	0	PEM1		River, stream or brook	119
WET-53-06	N	24,138	0	890	5,100	PFO1-4			119
WET-53-01	N	62,806	0	4,853	13,954	PFO1-4E	PEM		119
WET-53-04	N	74,189	20	7,824	16,062	PFO1-4E	PEM		119
WET-54-01	Y	17,659	0	0	807	PFO1-4E		River, stream or brook; Great pond	120
WET-54-03	N	643	0	0	0	PEM			121
WET-54-04	N	14,789	0	1,563	1,250	PFO1-4E	PEM		121
WET-55-01	N	1,780	0	0	0	PEM			123
WET-55-02	Y	45,268	0	630	0	POW	PFO1-4E	River, stream or brook	123
WET-56-03	Y	11,301	0	1	0	PEM		River, stream or brook	124
WET-56-01	Y	16,004	0	0	0	PFO1-4	PEM	Great Pond	124
WET-56-02	Y	3,004	0	0	0	PFO1-4	PEM	Great Pond	124
WET-55-03	Y	12,726	0	1,004	0	POW	PFO1-4E	Great Pond	124
WET-56-04	N	10,052	0	28	0	PEM	PFO1-4		125
WET-56-10	N	46,605	0	0	0	PEM	PFO1-4		125
WET-56-05	N	413	0	0	325	PFO1-4			125
WET-56-06	Y	4,729	0	0	1,721	PFO1-4		River, stream or brook	125
WET-56-07	N	12,426	0	66	6,268	PFO1-4			125
WET-56-08	N	2,327	0	0	0	PFO1-4			125
WET-56-09	N	19,607	0	1,262	6,211	PFO1-4			125
WET-56-11	N	16,284	0	0	0	PEM			126

Exhibit 9-10: Wetland Summary Table: Segment 2

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-57-04	N	1,616	0	0	0	PEM			127
WET-57-05	N	3,225	0	0	0	PEM			127
WET-57-06	N	2,761	0	0	2,668	PFO1-4			127
WET-57-02	N	43,962	0	3,658	9,277	PFO1-4	PEM		127
WET-57-03	N	91,495	0	3,765	14,186	PFO1-4E	PEM		127
WET-57-01	Y	28,053	0	0	2,222	PFO1-4E	PES, PEM	River, stream or brook	127
WET-58-01	N	4,597	0	0	0	PEM	PFO4		130
WET-58-02	N	8,612	0	0	0	PEM			131
WET-59-05	Y	35,508	0	2,673	0	PEM		River, stream or brook	131
WET-59-06	N	10,916	0	0	0	PEM			131
WET-59-07	N	2,268	0	0	0	PEM			131
WET-59-02	N	60,678	20	7,852	0	PEM1E	PFO4E		132
WET-59-03	N	17,956	0	0	0	PEM1E	PFO4E		132
WET-59-04	N	16,136	0	772	6,673	PFO4			132
WET-59-01	N	36,866	0	0	0	PEM			133
WET-60-05	Y	20,513	0	256	0	PEM1		River, stream or brook; Great pond	133
WET-60-02	N	37,190	0	2,367	0	PEM1E			134
WET-60-03	N	1,911	0	0	0	PEM1E			134
WET-60-04	Y	11,641	0	0	0	PEM1E		River, stream or brook	134
WET-60-01	Y	67,367	0	2,673	0	PEM1E	PFO1E	River, stream or brook	135
WET-61-09	Y	172,553	0	11,298	33,806	PFO1E	PEM1E	River, stream or brook	135
WET-61-06	N	2,602	0	0	1	PFO1E			136
WET-61-07	Y	245,449	0	15,064	57,200	PFO1E	PEM1E	River, stream or brook	136
WET-61-08	Y	51,065	0	1,546	0	PSS1E	PEM1E	River, stream or brook; >20,000 sq ft of open water	136

Exhibit 9-10: Wetland Summary Table: Segment 2

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-61-02	Y	143,790	20	7,963	0	PEM1E		Peatland	137
WET-61-04	N	3,997	0	1	0	PEM1E			137
WET-61-01	Y	72,773	0	3,839	0	PEM1E	PFO1E	River, stream or brook	137
WET-61-05	N	25,623	0	654	0	PEM1E	PFO1E		137
WET-61-03	N	28,126	0	594	10,661	PFO1E			137
WET-62-01	N	43,061	0	3,279	0	PEM			138
WET-62-02	N	37,380	0	1,785	0	PEM			138
WET-62-03	Y	35,261	0	982	0	PEM		River, stream or brook	138
WET-62-04	N	10,428	0	0	0	PEM			139
WET-62-05	N	41,359	0	0	0	PEM			139
WET-62-06	Y	18,629	0	0	0	PEM		River, stream or brook	139
WET-62-07	Y	54,924	0	2,682	0	PEM		River, stream or brook	140
WET-62-08	Y	293,211	0	9,035	0	PEM		River, stream or brook	140
WET-63-01	Y	39,884	0	2,233	0	PEM		River, stream or brook	140
WET-63-02	Y	204,712	0	9,084	0	PEM		River, stream or brook	141
WET-63-03	N	3,226	0	0	0	PEM			141
WET-63-04	N	46,324	0	370	0	PEM			141
WET-63-05	N	18,236	0	0	0	PEM			141
WET-63-07	Y	147,112	0	419	0	PEM1E	PSS1E	River, stream or brook; Significant wildlife (IWWH)	142
WET-64-01	N	21,178	0	0	0	PEM1E	PSS1E		142
WET-63-06	N	20,739	0	0	12,176	PFO1E	PSS1E		142
WET-64-02	N	10,136	0	0	815	PFO4E			142
WET-64-03	Y	69,680	0	0	420	PFO4E		River, stream or brook; Significant wildlife (IWWH)	142
WET-64-10	Y	425,599	1	4,603	0	PEM1E	PFO4E	Peatland	143

Exhibit 9-10: Wetland Summary Table: Segment 2

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-64-09	N	69,610	0	0	0	PEM1E	PSS1E		143
WET-64-05	Y	7,142	0	0	434	PFO4E		Significant wildlife (IWWH)	143
WET-64-08	N	5,168	0	0	0	PSS1E			143
WET-64-04	Y	13,141	0	0	0	PSS1E	PEM1E	River, stream or brook; Significant wildlife (IWWH)	143
WET-64-06	N	133	0	0	0	PSS4E			143
WET-64-06	Y	51,211	0	0	0	PSS4E		River, stream or brook	143
WET-64-07	N	32,433	0	0	0	PSS4E			143
WET-65-01	N	299,801	0	15,970	0	PEM1E	PSS4E		144
WET-65-02	Y	44,961	0	1,591	0	N/A	N/A	>20,000 sq ft of open water	145
WET-65-03	Y	63,502	0	1,582	0	PSS1E	PFO4E	River, stream or brook	145
WET-65-08	Y	172,367	0	9,834	0	PEM1E	PSS1E	River, stream or brook	146
WET-65-04	N	10,510	0	0	2,435	PFO1E			146
WET-65-06	N	1,298	0	0	2	PFO1E			146
WET-65-05	N	1,051	0	0	0	PFO4E			146
WET-65-07	N	120,097	0	3,734	0	PSS1E	PFO4E		146
WET-66-03	Y	4,371	0	0	0	PEM1E	PFO4E	River, stream or brook	147
WET-66-01	N	4,078	0	0	0	PFO4Y			147
WET-66-02	Y	198,696	0	13,124	0	PSS1E	PFO1E	River, stream or brook	147
WET-66-07	Y	46,015	0	3,818	0	PEM1E	PFO1E	River, stream or brook	148
WET-66-04	N	14,016	0	1,450	0	PEM1E	PFO4Y		148
WET-66-06	Y	23,101	0	0	0	PEM1Y		River, stream or brook	148
WET-66-05	Y	84,061	0	6,388	20,840	PFO4Y	PEM1E	River, stream or brook	148
WET-67-09	N	3,464	0	0	0	PEM1E			149

Exhibit 9-10: Wetland Summary Table: Segment 2

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-67-13	N	12,176	0	0	0	PEM1E			149
WET-67-08	Y	195,636	20	17,086	0	PEM1E	PFO1E	River, stream or brook	149
WET-67-10	N	1,319	0	787	0	PEM1Y			149
WET-67-11	N	19,750	0	1,794	0	PEM1Y			149
WET-68-07	N	784,929	52	40,064	0	PEM			150
WET-67-12	N	20,421	0	0	0	PEM1Y			150
WET-68-06	N	36,436	0	875	0	PEM	PFO4E		151
WET-68-05	Y	204,334	20	11,048	0	PEM, PSS, PFO		Significant Vernal Pool	152
WET-68-04	N	20,847	0	0	0	PFO4			152
WET-69-01	Y	12,353	0	0	0	PEM		River, stream or brook	153
WET-69-02	N	620	0	0	0	PEM	PFO		153
WET-68-02	N	82,470	124	9,184	0	PSS	PEM		153
WET-68-03	N	5,175	0	0	0	PSS	PEM		153
WET-69-04	Y	41,940	0	2,353	0	PEM		River, stream or brook	154
WET-70-04	N	144,093	0	4,557	40,818	PFO1-4			154
WET-70-02	Y	274,387	0	23,479	90,367	PFO1/4E	PEM, PSS	River, stream or brook	155
WET-70-03	N	92,081	20	9,019	21,455	PFO1/4E	PSS		155
WET-69-05	Y	34,909	0	0	20,005	PFO1-4		River, stream or brook	156
WET-71-104	Y	64,224	5	2,752	0	PEM		River, stream or brook	157
WET-71-103	N	2,284	0	68	0	PEM1E			157
WET-71-105	N	62,953	0	5,112	18,589	PFO1E	PEM1E		157
WET-71-106	N	101,247	0	3,320	12,010	PFO1E	PEM1E		157
WET-71-102	Y	55,541	0	3,165	0	PSS		River, stream or brook	158
WET-71-101	N	866	0	0	0	PEM1E			158
WET-72-102	N	13,269	0	276	0	PEM1E			159
WET-72-101	N	351	0	0	0	PSS1E			159

Exhibit 9-10: Wetland Summary Table: Segment 2

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-72-107	Y	5,531	0	0	0	PSS1E		Significant Vernal Pool	159
WET-72-108	N	437	0	0	0	PSS1E			159
WET-72-110	Y	13,853	0	499	0	PSS1E		River, stream or brook	159
WET-72-103	N	18,635	0	0	0	PEM1E			160
WET-72-109	Y	2,150	0	0	0	PEM1E		River, stream or brook	160
WET-72-106	N	103,560	0	1,237	0	PEM1E	PFO1E		160
WET-72-105	N	5,350	0	159	0	PSS1E			160

Exhibit 9-10: Wetland Summary Table: Segment 3

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-75-02	N	1,627	0	0	0	PEM1E			166
WET-75-04	N	277	0	0	0	PEM1E			166
WET-75-03	N	28,378	0	0	2,685	PFO1-4			166
WET-75-01	N	9,404	0	0	0	PUB, PFO1E			166
WET-75-07	Y	116,114	0	427	5,165	PFO1/4E		Significant Vernal Pool	167
WET-76-03	N	10,594	0	0	0	PFO1/4E			167
WET-76-04	N	990	0	0	0	PFO1E			167
WET-76-05	N	7,790	0	0	0	PFO1E			167
WET-75-05	N	1,160	0	0	0	PSS1E			167
WET-76-01	N	10,724	0	0	0	PSS1E			167
WET-76-02	N	30,671	0	0	0	PSS1E	PFO1/4		167
WET-75-06	N	2,800	0	0	0	PUB, PSS1E			167
WET-76-06	N	1,255	0	0	0	PEM			169
WET-76-07	N	2,091	0	0	0	PSS1E			169
WET-77-01	N	7,223	0	0	0	PFO1E	PUB		170
WET-77-08	Y	77,524	0	0	0	POW	PFO1/4E, PSS	>20,000 sq ft of open water/PEM	170
WET-77-02	N	3,287	0	0	0	PSS			171
WET-78-01	N	219	0	0	0	PEM1E			171
WET-77-05	Y	2,063	0	0	0	PFO1E		River, stream or brook	171
WET-77-06	N	5	0	0	0	PFO1E			171
WET-77-03	N	3,958	0	0	0	PFO4E			171
WET-77-04	Y	202,319	0	0	0	PSS	PFO, PEM	>20,000 sq ft of open water/PEM	171
WET-77-07	N	12,614	0	0	0	PSS1E			171
WET-78-03	N	3,510	0	0	0	PEM1E			172
WET-78-04	N	3,004	0	0	0	PFO1E			172
WET-78-02	N	3,014	0	0	0	PSS1E			172
WET-78-07	Y	136,898	0	14	10,568	PFO1	PFO1/4E, PEM, PSS	River, stream or brook	173
WET-78-06	N	991	0	0	0	PFO4E			173
WET-78-05	Y	343,920	0	13,460	58,429	PFO4E	PEM, PSS	MNAP, River, stream or brook	173

Exhibit 9-10: Wetland Summary Table: Segment 3

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-79-01	N	514,554	0	14,597	0	PEM, PFO4E	PFO1, PSS		174
WET-79-04	N	9,246	0	0	0	PFO1/4E			175
WET-79-05	N	1,469	0	0	0	PFO1/4E			175
WET-79-06	N	415	0	0	0	PFO1/4E			175
WET-79-02	N	4,615	0	0	657	PFO1E			175
WET-80-13	N	3,784	0	8	0	PEM1E			176
WET-80-12	N	3,057	0	69	0	PFO1/4E			176
WET-80-01	N	27,680	0	14	5,055	PFO1/4E	PEM		176
WET-79-03	Y	122,612	0	2,083	0	PSS	PFO4E, PEM	>20,000 sq ft of PEM; Significant wildlife (IWWH)	176
WET-80-18	Y	8,417	0	451	0	N/A		SVP Habitat Buffer	177
WET-80-05	Y	13,885	0	551	2,535	PFO1	PSS1E	River, stream or brook	177
WET-80-16	Y	23,831	0	1,845	3,985	PFO1/4E		River, stream or brook	177
WET-80-02	N	5,928	0	0	0	PFO1E			177
WET-80-03	Y	42,260	0	1,911	5,989	PFO1E		River, stream or brook	177
WET-80-04	Y	24,314	0	1,894	0	PFO1E		Significant Vernal Pool	177
WET-80-06	N	7,408	0	0	0	PFO1E			177
WET-80-07	N	2,690	0	0	1,015	PFO1E			177
WET-80-08	N	1,662	0	0	792	PFO1E			177
WET-80-09	N	738	0	0	0	PFO1E			177
WET-80-11	N	939	0	0	0	PFO1E			177
WET-80-17	N	1,922	0	0	0	PFO1E			177
WET-80-10	N	3,444	0	0	0	PFO4E			177
WET-80-14	N	21,646	0	38	0	PEM, PFO4E			178
WET-80-15	N	7,195	0	0	0	PEM1E			178
WET-81-01	Y	141,012	0	5,206	31,063	PFO1/4E		River, stream or brook	178
WET-81-02	N	66,815	0	938	4,132	PFO1/4E			178
WET-81-03	N	9,215	0	838	208	PFO1E			178
WET-81-04	N	2,863	0	168	0	PEM	PSS1E		179
WET-81-08	N	13,179	0	0	11,190	PFO			179
WET-81-11	N	1,722	0	0	0	PFO1/4E			179
WET-81-13	N	1,345	0	0	0	PFO1/4E			179
WET-81-06	N	6,712	0	0	0	PFO1E			179

Exhibit 9-10: Wetland Summary Table: Segment 3

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-81-07	N	11,419	0	60	7,985	PFO1E			179
WET-81-12	N	2,076	0	0	0	PFO1E			179
WET-81-05	N	1,097	0	0	1,053	PFO4E			179
WET-81-09	N	10,985	0	0	0	PFO4E			179
WET-82-01	Y	26,572	0	273	0	PEM, PSS		Significant wildlife (DWA)	180
WET-81-15	N	2,240	0	0	0	PFO1/4E			180
WET-81-14	N	71,429	0	1,939	17,965	PFO4E	PSS, PEM1E		180
WET-81-10	N	5,457	0	0	0	PSS1E			180
WET-82-10	Y	4,534	0	0	0	PUB	PFO4E	Significant wildlife (DWA)	180
WET-82-08	Y	2,563	0	0	0	PFO1/4E		Significant wildlife (DWA)	181
WET-82-02	Y	47,603	0	614	4,480	PFO1/4E	PSS, PEM	Significant wildlife (DWA)	181
WET-82-03	Y	5,298	0	0	0	PFO4E		Significant wildlife (DWA)	181
WET-82-09	Y	6,896	0	0	0	PSS1E		Significant wildlife (DWA)	181
WET-83-22	Y	237,774	0	9,365	0	PSS		Significant wildlife (DWA); Significant Vernal Pool	182
WET-82-05	Y	64,181	0	784	0	PEM1	PSS1	Significant wildlife (DWA)	182
WET-82-06	Y	1,490	0	0	0	PEM1E		Significant wildlife (DWA)	182
WET-82-07	Y	1,275	0	0	0	PFO1		Significant wildlife (DWA)	182
WET-82-04	Y	19,883	0	0	0	PFO4E	PFO1E	Significant wildlife (DWA)	182
WET-83-20	Y	1,079	0	0	0	PSS		River, stream or brook	183
WET-83-21	Y	22,941	0	0	0	PSS		Significant wildlife (DWA); Significant Vernal Pool	183
WET-83-09	Y	940	0	0	0	PEM1E		River, stream or brook	183

Exhibit 9-10: Wetland Summary Table: Segment 3

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-83-10	Y	13,028	0	0	0	PEM1E	PSS1E	Significant Vernal Pool	183
WET-83-18	Y	88,393	0	628	0	PFO4E	PSS1E	River, stream or brook	183
WET-83-07	Y	49,816	0	4,492	0	PSS1E		River, stream or brook	183
WET-83-08	Y	1,428	0	0	0	PSS1E		River, stream or brook	183
WET-83-11	Y	10,789	0	0	0	PSS1E		River, stream or brook	183
WET-83-12	Y	427	0	0	0	PSS1E		River, stream or brook; Significant Vernal Pool	183
WET-83-19	Y	2,456	0	0	0	PSS		River, stream or brook	184
WET-83-06	Y	2,095	0	0	0	PEM1E	PFO1E	River, stream or brook	184
WET-83-16	Y	4,924	0	0	0	PEM1E	PFO1E	River, stream or brook	184
WET-83-02	Y	22,635	0	2,255	0	PEM1E	PSS1E	River, stream or brook	184
WET-83-04	N	3,399	0	0	0	PFO1/4E			184
WET-83-01	N	1,315	0	0	1,240	PFO1E			184
WET-83-05	N	51,798	0	1,845	7,110	PFO4E, PSS			184
WET-83-03	Y	1,136	0	0	0	PSS1E		River, stream or brook	184
WET-83-13	N	1,725	0	0	0	PSS1E			184
WET-83-14	Y	5,647	0	563	0	PSS1E		River, stream or brook	184
WET-83-15	N	28,298	0	2,250	0	PSS1E			184
WET-83-17	Y	2,023	0	0	0	PSS1E		River, stream or brook	184
WET-84-02	N	1,035	0	0	0	PEM1E			185
WET-84-03	Y	10,755	0	0	0	PFO1/4E		River, stream or brook	185
WET-84-04	Y	93,969	0	0	8,294	PFO1/4E		River, stream or brook	185
WET-84-01	N	50,826	0	0	0	PFO1/4E	PEM1E		186
WET-84-05	N	427	0	0	0	PFO1E			186
WET-85-03	Y	3,624	0	0	0	PEM1E		Significant wildlife (IWWH)	187
WET-85-01	Y	524,094	0	6,921	29,270	PFO1/4	PEM1	River, stream or brook; Significant wildlife (IWWH)	187
WET-85-02	N	3,913	0	0	0	PFO1/4E	PSS1E		187
WET-85-05	N	190,579	0	3,523	0	PEM1	PFO1/4		188
WET-85-04	Y	40,572	0	0	0	PFO1/4		Significant Vernal Pool	189
WET-86-01	N	1,881	0	0	1,803	PFO1E			189

Exhibit 9-10: Wetland Summary Table: Segment 3

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-86-02	N	454,530	20	15,021	0	PSS1	PFO1/4		189
WET-86-09	Y	17,781	0	0	0	PEM1		SVP Habitat Zone	190
WET-86-04	Y	5,951	0	0	0	PFO1/4		SVP Habitat Zone	190
WET-86-07	Y	5,853	0	0	0	PFO1/4		Significant Vernal Pool	190
WET-86-06	Y	4,705	0	0	0	PFO1/4E		Significant Vernal Pool	190
WET-86-05	Y	2,648	0	0	0	PFO1E		SVP Habitat Zone	190
WET-86-03	N	3,737	0	0	0	PSS1	PEM1		190
WET-86-10	Y	21,759	0	1,291	0	PEM1	PFO4/1	SVP Habitat Zone	191
WET-87-01	Y	536,982	0	17,925	0	PEM1E	PFO1/4E	River, stream or brook; Significant Vernal Pool	191
WET-86-08	N	7,636	0	0	0	PSS1			191
WET-86-11	Y	6,091	0	0	0	PSS1E		SVP Habitat Zone	191
WET-87-02	N	27,645	0	165	0	PEM1			192
WET-87-03	N	19,641	0	243	918	PFO1E	PEM1E		192
WET-87-05	N	4,003	0	0	3,404	PFO1W			192
WET-87-04	N	5,538	0	0	0	PSS1E			192
WET-87-07	N	6,078	0	2,385	0	PEM1			193
WET-87-08	N	96,868	0	1,551	9,302	PFO1	PEM1, PSS1		193
WET-87-06	N	18,172	0	0	0	PFO1/4			193
WET-88-01	N	51,081	0	314	0	PEM1	PFO1/4		194
WET-88-02	N	14,986	0	547	0	PEM1	PSS1		194
WET-88-05	N	20,483	0	0	0	PEM1	PSS1		194
WET-88-04	N	154,661	0	5,780	25,755	PFO1/4	PEM1		194
WET-88-03	N	3,051	0	0	1,421	PFO1/4E			194
WET-88-07	N	109,803	0	1,575	21,360	PFO1/4	PEM1		195
WET-88-06	N	13,726	0	0	0	PSS1E			195
WET-89-01	Y	99,886	0	652	0	PSS		River, stream or brook	196
WET-89-03	N	1,707	0	0	0	PFO1			196
WET-89-05	N	2,630	0	0	0	PFO1			196
WET-89-04	N	13,230	0	179	1,179	PFO1/4			196
WET-89-02	N	7,473	0	18	0	PSS1E			196
WET-89-07	N	1,534	0	0	0	PEM1	PFO1		197
WET-89-06	N	6,466	0	0	142	PFO1/4			197

Exhibit 9-10: Wetland Summary Table: Segment 3

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-90-02	N	4,946	0	135	0	PEM1	PSS1		198
WET-90-01	Y	247,082	0	0	0	PSS1	PFO1, PEM1	River, stream or brook	198
WET-90-03	Y	5,168	0	31	0	PFO1	PEM1	MNAP	199
WET-90-04	Y	38,832	0	1,367	0	PEM1	PSS1	Significant Vernal Pool	200
WET-90-05	Y	22,095	0	2,008	0	PEM1	PSS1	River, stream or brook	200
WET-91-05	N	93,592	0	2,590	0	PEM1	PSS1		201
WET-91-06	N	17,363	0	0	0	PEM1	PSS1		201
WET-91-03	N	9,654	0	729	0	PEM1	PSS1, PFO1		201
WET-91-01	N	12,020	0	0	0	PFO1/4			201
WET-91-02	N	2,238	0	0	0	PFO4E			201
WET-91-04	Y	21,535	0	939	0	PSS1	PEM1	River, stream or brook	201
WET-92-01	N	101,262	0	23	0	PEM1	PFO1/4		202
WET-91-07	N	191,976	20	7,306	0	PEM1	PSS, PFO1/4		202
WET-91-08	N	1,987	0	0	0	PEM1	PSS1		202
WET-91-09	N	8,788	0	0	0	PFO1/4			202
WET-92-06	N	5,148	0	0	0	PEM1			203
WET-92-03	Y	1,973	0	0	0	PEM1	PSS1	Significant Vernal Pool	203
WET-92-02	N	123,163	0	0	9,100	PFO1/4			203
WET-92-05	Y	8,523	0	0	0	PFO1/4	PEM1	SVP Habitat Zone	203
WET-92-08	Y	616,400	0	13,246	0	PEM1	PFO1/4	River, stream or brook	204
WET-92-07	Y	88,162	0	1,731	0	PEM1	PSS1, PFO1/4	River, stream or brook	204
WET-93-01	N	201,550	0	6,602	0	PSS1	PEM1		205
WET-93-02	N	13,917	0	0	266	PFO1			206
WET-93-03	Y	380,458	0	14,781	55,427	PFO1	PSS	River, stream or brook	207
WET-93-04	N	89,374	0	0	0	PEM1B	PFO1B		208
WET-95-01	Y	103,217	0	0	0	PEM1	PSS1	River, stream or brook	209
WET-95-03	N	26,404	0	596	0	PSS			210
WET-95-04	N	54,706	0	0	0	PEM1			210
WET-95-02	N	15,632	0	719	0	PEM1	PSS1		210
WET-95-05	N	19,139	0	932	0	PEM1E			211
WET-96-08	N	321	0	160	0	PEM1E			211

Exhibit 9-10: Wetland Summary Table: Segment 3

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-96-02	Y	81,942	0	1,915	6,911	PFO1E	PSS1E	River, stream or brook	212
WET-96-03	N	19,372	0	982	0	PSS1E			212
WET-96-04	N	113	0	0	0	PSS1E			212
WET-96-01	Y	24,371	0	255	0	PSS1E	PFO1E	River, stream or brook	212
WET-96-06	N	2,463	0	0	0	PEM1E			213
WET-96-10	Y	4,802	0	125	0	PEM1E		Significant wildlife (DWA)	213
WET-96-09	Y	16,214	0	613	3,193	PFO1E	PSS1E	River, stream or brook; Significant wildlife (DWA)	213
WET-96-05	Y	66,865	0	0	0	PSS1E		River, stream or brook; Significant wildlife (DWA)	213
WET-96-07	Y	805	0	0	0	PUB		Significant wildlife (DWA)	213
WET-97-01	Y	5,690	0	0	0	PSS		Significant wildlife (IWWH, DWA)	214
WET-97-02	Y	109,065	0	5,821	0	PSS		River, stream or brook; Significant wildlife (IWWH, DWA)	214
WET-97-03	Y	28,371	0	2,147	0	PSS1E	PFO1E	River, stream or brook; Significant wildlife (DWA)	214
WET-97-04	N	79,812	0	2,765	24,736	PFO1/4E	PSS1E		215
WET-97-06	N	76,123	0	1,832	9,142	PFO1E	PSS1E		215
WET-97-05	N	2,913	0	0	0	PSS1E			215
WET-98-02	N	1,966	0	0	0	PFO1E			216
WET-97-07	Y	107,175	0	4,491	10,614	PFO1E	PSS1E	River, stream or brook; Significant wildlife (IWWH)	216
WET-98-01	N	1,226	0	0	0	PSS1E			216
WET-98-06	Y	51,705	0	0	8,350	PFO1/4E	PEM, PSS1E	River, stream or brook	217
WET-98-04	N	65,572	0	4,036	13,355	PFO1/4E	PSS1E		217
WET-98-05	N	77,400	0	0	8,723	PFO1/4E	PSS1E		217
WET-98-03	N	10,609	0	1,305	2,279	PFO4E	PSS1E		217

Exhibit 9-10: Wetland Summary Table: Segment 3

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-99-06	N	5,928	0	0	0	PSS			218
WET-99-03	N	1,076	0	0	0	PEM1E			218
WET-98-07	N	3,814	0	0	2,456	PFO1/4E			218
WET-99-08	N	8,573	0	0	0	PFO4E			218
WET-99-07	N	829	0	0	0	PSS1E			218
WET-99-04	Y	2,907	0	0	0	PSS		River, stream or brook; Significant wildlife (DWA)	219
WET-99-02	Y	50,032	0	906	0	PEM1	PFO1/4	River, stream or brook; Significant wildlife (DWA)	219
WET-99-05	Y	67,352	0	2,504	14,390	PFO1/4	PEM1	River, stream or brook; Significant wildlife (DWA)	219
WET-100-01	Y	60,704	0	3,936	0	PEM1	PFO4	River, stream or brook; Significant wildlife (DWA)	220
WET-99-01	Y	62,083	0	76	19,335	PFO4E		Significant wildlife (DWA)	220
WET-100-03	N	17,122	0	0	0	PEM1	PFO4		221
WET-100-04	Y	22,194	0	0	0	PEM1	PFO4	River, stream or brook; Significant wildlife (IWWH)	221
WET-100-02	N	3,684	0	0	0	PEM1	PSS1		221
WET-100-05	Y	22,930	0	156	1,738	PFO1/4, PEM1	PSS1	Significant wildlife (IWWH)	221
WET-100-06	N	255,588	0	13,256	52,423	PFO1/4, PEM1	PSS1		222
WET-101-02	Y	101,650	0	1,150	7,511	PFO1	PSS1	River, stream or brook	223
WET-101-01	N	3,887	0	0	0	PSS1, PFO1	PEM1		223
WET-101-03	N	7,225	0	0	0	PEM1E	PSS1E		224
WET-101-05	N	1,325	0	0	0	PFO1E			224
WET-101-04	Y	232,055	0	8,960	16,158	PFO1E	PEM1E	River, stream or brook; Significant wildlife (IWWH); >20,000 sq ft of PEM	224

Exhibit 9-10: Wetland Summary Table: Segment 3

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-102-03	Y	200,853	0	7,490	1,534	PFO1	PEM1	River, stream or brook; Significant wildlife (IWWH)	225
WET-101-06	Y	41,373	0	990	0	PFO1/4	PEM1	Significant Vernal Pool	225
WET-102-01	Y	543	0	0	0	PSS1/4	PFO1	SVP Habitat Zone	225
WET-102-02	N	1,385	0	0	0	PSS1/4	PFO1		225
WET-102-04	Y	76,314	0	3,070	0	PFO1/4, PEM1	PSS1	Significant Vernal Pool	226
WET-102-05	Y	176,080	0	9,027	32,778	PFO1/4, PEM1	PSS1	SVP Habitat Zone	226
WET-103-04	Y	8,088	0	1,748	0	PEM1		River, stream or brook	227
WET-103-07	N	6,455	0	0	0	PEM1			227
WET-103-05	N	22,394	0	5	0	PEM1	PFO1/4		227
WET-103-09	Y	15,542	0	0	6,741	PFO1	PSS1, PEM1	River, stream or brook	227
WET-103-08	Y	26,042	0	0	11,539	PFO1/4	PEM1	River, stream or brook	227
WET-103-06	N	5,585	0	0	0	PFO1/4E			227
WET-102-06	Y	7,631	0	0	0	PFO1E		River, stream or brook	227
WET-103-02	Y	142	0	0	0	PSS		River, stream or brook	228
WET-103-03	N	850	0	0	0	PSS			228
WET-103-13	N	329	0	0	0	PSS			228
WET-103-12	N	5,983	0	0	0	PEM1			228
WET-103-10	Y	45,885	0	998	13,685	PFO1, PSS	PEM	River, stream or brook	228
WET-103-01	Y	7,634	0	0	0	PFO1E		River, stream or brook	228
WET-103-03	Y	82,557	0	0	0	PSS1	PEM1	River, stream or brook	228
WET-104-01	Y	145,829	0	14	37,405	PFO1/4	PSS	River, stream or brook; Significant wildlife (DWA)	229
WET-103-11	Y	10,555	0	623	0	PSS1	PFO1/4	River, stream or brook; Significant wildlife (DWA)	229
WET-104-04	N	61,459	0	1,067	0	PEM1	PSS1		230
WET-104-02	Y	72,179	0	0	0	PSS1	PEM1	Significant wildlife (DWA)	230

Exhibit 9-10: Wetland Summary Table: Segment 3

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-104-03	Y	13,200	0	748	0	PSS1	PFO4	River, stream or brook; Significant wildlife (DWA)	230
WET-104-05	Y	34,987	0	944	0	PEM1	PFO1	Significant wildlife (DWA)	231
WET-104-07	N	146,079	0	1,590	0	PEM1	PFO1/4		231
WET-104-06	N	75,920	0	2,549	9,298	PFO1/4E	PSS1		231
WET-105-06	N	621	0	0	0	PSS			232
WET-105-01	N	3,745	0	0	0	PEM1			232
WET-105-05	Y	520,898	20	25,401	0	PEM1, PFO1		River, stream or brook	232
WET-105-04	N	81,344	0	0	0	PEM1, PFO1/4			232
WET-105-03	N	3,883	0	0	2,062	PFO1			232
WET-105-02	N	28,484	0	820	5,957	PFO1, PEM1	PSS1		232
WET-106-02	N	59	0	0	0	PSS			234
WET-106-01	N	7,517	0	0	0	PEM1E			234
WET-106-03	N	21,130	0	0	0	PEM1	PFO1		235
WET-106-04	N	1,497	0	0	315	PFO1E			235
WET-107-03	Y	32,810	0	495	0	PEM1	PSS1, PFO	River, stream or brook	236
WET-107-02	N	511	0	0	0	PFO1	PEM1		236
WET-107-01	Y	142,953	0	0	31,713	PFO1/4	PSS1, PEM1	River, stream or brook	236
WET-107-06	N	27,441	0	0	0	PEM	PFO1/4E		237
WET-107-04	N	7,070	0	0	0	PFO1	PEM1		237
WET-107-07	N	4,666	0	0	0	PSS1			237
WET-107-05	Y	101,989	0	3,573	0	PSS1	PEM1	River, stream or brook	237
WET-107-08	Y	51,643	0	0	11,030	PFO1E		River, stream or brook	238
WET-108-04	N	160	0	0	0	PSS			239
WET-108-02	Y	61,146	0	71	0	PEM1		River, stream or brook	239
WET-108-01	N	5,629	0	0	0	PSS			240
WET-108-01	N	12,371	0	0	0	PEM1			240
WET-109-02	N	2,528	0	0	0	PEM1			240
WET-108-03	Y	27,048	0	506	0	PEM1	PFO1	River, stream or brook	240
WET-109-03	N	63,449	0	1,614	0	PEM1	PFO4		240

Exhibit 9-10: Wetland Summary Table: Segment 3

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-109-01	N	2,001	0	0	0	PEM1E			241
WET-109-04	Y	35,525	0	560	2,993	PFO1	PEM1	River, stream or brook	241
WET-109-06	N	3,757	0	0	0	PEM1	PFO4		242
WET-109-05	Y	3,727	0	0	0	PEM1	PSS1	River, stream or brook	242
WET-110-01	Y	52,498	0	0	8,999	PFO4		River, stream or brook	242
WET-110-05	N	213,829	28	14,131	49,165	PFO1	PFO4		243
WET-110-03	N	1,277	0	284	1,224	PFO1E			243
WET-110-04	N	4,633	0	0	0	PFO1E	PSS1E		243
WET-110-02	N	1,921	0	549	977	PFO4			243
WET-110-06	N	9,678	0	0	1,165	PFO1/4			244
WET-111-04	N	2,562	0	0	0	PSS			245
WET-111-02	N	8,874	0	0	0	PEM1	PSS1		245
WET-111-03	N	1,839	0	0	0	PEM1	PSS1		245
WET-111-05	Y	3,443	0	0	0	PEM1	PSS1	SVP Habitat Zone	245
WET-111-01	N	16,442	0	0	0	PSS	PFO1E		245
WET-110-07	N	2,528	0	23	0	PSS1			245
WET-111-06	Y	7,963	0	0	0	PEM1	PSS1	Significant Vernal Pool	246
WET-111-08	Y	254,061	0	6,832	55,630	PFO1	PEM1	River, stream or brook	246
WET-111-09	N	9,777	0	0	0	PFO1/4			246
WET-111-07	Y	1,508	0	0	0	PFO1E		SVP Habitat Zone	246
WET-112-01	N	1,686	0	0	0	PFO1E			247
WET-112-02	Y	4,057	0	0	400	PFO4	PEM1	River, stream or brook	247
WET-112-03	Y	274	0	0	0	PSS1E		River, stream or brook	247
WET-112-05	N	34,454	0	0	9,883	PFO1	PEM, PSS1		248
WET-112-06	N	7,090	0	665	2,912	PFO1/4	PEM1, PSS1		248
WET-112-04	Y	41,246	0	0	0	PSS1		River, stream or brook	248
WET-112-07	N	6,938	0	336	0	PSS1, PFO1/4, PEM1			248
WET-112-10	N	948	0	0	0	PEM1	PSS1		249
WET-112-08	Y	1,601	0	0	0	PEM1E		River, stream or brook	249
WET-112-11	N	63,377	0	0	0	PFO1/4	PSS1		249

Exhibit 9-10: Wetland Summary Table: Segment 3

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-112-09	Y	15,142	0	0	0	PSS1, PFO1/4, PEM1		River, stream or brook	249
WET-113-01	N	24,423	0	1,095	0	PEM1			250
WET-114-01	N	26,591	0	0	8,374	PFO1/4	PSS1		251
WET-113-02	N	97,875	0	0	0	PSS1	PEM1		251
WET-114-03	Y	140,448	0	2,570	0	PSS	PEM1E	River, stream or brook	252
WET-114-02	N	29,555	0	0	0	PSS1	PEM1		252
WET-114-04	Y	93,824	0	971	0	PSS1	PFO1	River, stream or brook	252
WET-114-07	Y	2,108	0	0	0	PEM	PSS1E	River, stream or brook	253
WET-114-08	Y	31,526	0	0	9,662	PFO1	PSS1	River, stream or brook	253
WET-114-05	Y	4,202	0	310	0	PSS1		River, stream or brook	253
WET-114-06	Y	42,975	0	0	0	PSS1	PFO1	River, stream or brook	253
WET-115-01	N	619	0	0	557	PFO1	PSS1		254
WET-116-02	N	1,125	0	0	0	PSS			256
WET-116-06	Y	8,001	0	629	0	PEM		River, stream or brook	256
WET-116-01	Y	20,168	0	749	0	PSS1	PFO1	River, stream or brook	256
WET-116-04	Y	136,761	0	6,958	0	PEM2E	PEM1E	>20,000 sq ft of PEM	257
WET-116-03	Y	30,797	0	1,963	0	PSS1E	PEM1E	River, stream or brook	257
WET-116-05	Y	3,478	20	22,862	36,980	PFO1E	PEM1E, POW	River, stream or brook	258
WET-117-01	N	7,964	0	0	0	PSS1E	PFO1E		258
WET-117-02	Y	5,966	0	1,263	0	PEM2		River, stream or brook	259
WET-117-03	N	7,896	0	0	3,265	PFO1E			259
WET-117-04	N	16,971	0	0	0	PFO1E	PSS1E		259
WET-117-05	Y	567,629	0	18,283	0	PSS1	PEM1	River, stream or brook	259
WET-117-06	N	3,000	0	0	0	PEM1	PSS1		260
WET-118-01	N	3,263	0	0	0	PEM1	PSS1		261
WET-118-02	Y	6,002	0	0	0	PEM1	PSS1	Significant Vernal Pool	261
WET-118-03	Y	31,401	0	0	0	PEM1	PSS1	River, stream or brook; Significant wildlife (IWWH)	262
WET-119-02	N	27,996	0	463	0	PEM	PFO1E		263
WET-119-01	Y	45,749	0	1,506	7,129	PFO1/4E		River, stream or brook	263
WET-119-03	N	73,796	0	705	0	PEM1	PSS1		264
WET-119-04	N	28,694	0	1	0	PEM1	PSS1		264

Exhibit 9-10: Wetland Summary Table: Segment 3

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-120-01	N	256,052	0	93	0	PSS1/4	PFO1/4		265
WET-120-02	N	72,861	0	5,600	0	PSS1	PFO1		266
WET-121-01	Y	308,270	20	14,092	0	PEM1	N/A	River, stream or brook; >20,000 sq ft of PEM	267
WET-121-03	Y	559,599	20	27,405	0	PEM1	PSS1	River, stream or brook	268
WET-121-02	N	8,264	0	0	0	PSS1E	PEM1E		268
WET-122-01	Y	69,129	0	2,969	0	PEM1	PSS1	River, stream or brook	269
WET-122-02	Y	37,695	0	0	0	PSS1	N/A	River, stream or brook	269
WET-121-04	Y	107,345	0	3,713	0	PSS1	PEM1	River, stream or brook	269
WET-122-03	Y	233,161	20	7,727	0	PSS	N/A	River, stream or brook	270
WET-123-01	N	282,545	0	0	0	PEM1	PSS1, PFO1		271
WET-122-04	N	8,763	0	0	0	PSS1	PFO		271
WET-123-04	N	849	0	0	0	PFO1E	N/A		272
WET-123-02	Y	63,652	0	156	0	PSS1	N/A	River, stream or brook	272
WET-123-03	N	55,951	0	587	0	PSS1	PFO1/4		272
WET-123-05	N	215,655	0	0	0	PEM1	PFO1		273
WET-124-03	N	538,053	48	15,947	0	PSO1/4, PSS1	PEM1		274
WET-124-01	N	31,416	0	2,032	0	PSS1	PEM1		274
WET-124-02	Y	69,014	0	473	0	PSS1	PEM1	River, stream or brook	274
WET-124-05	N	54,074	0	732	0	PSS1, PFO1/4	PEM1		275
WET-124-06	N	39,684	0	0	0	PSS1/4	N/A		275
WET-124-04	N	11,885	0	8	0	PSS1E	N/A		275
WET-125-01	N	3,701	0	0	0	PEM1	PSS1		276
WET-125-03	Y	6,208	0	0	0	PEM1	PSS1	River, stream or brook	276
WET-125-05	N	1,167	0	0	1,167	PFO1/4	N/A		276
WET-125-04	Y	214,431	0	4,079	30,181	PFO1/4	PEM1	River, stream or brook	276
WET-124-07	N	10,739	0	709	0	PSS1	N/A		276
WET-125-02	Y	17,321	0	0	0	PSS1	PEM1	Significant Vernal Pool	276
WET-125-06	N	17,336	0	0	0	PSS1E	PEM1E		276
WET-125-08	N	2,226	0	0	0	PEM1	PSS1		278
WET-126-01	N	1,514	0	0	0	PEM1E	PSS1E		278
WET-125-07	N	438	0	0	0	PFO1E	N/A		278

Exhibit 9-10: Wetland Summary Table: Segment 3

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-125-09	N	13,158	0	909	0	PSS1	N/A		278
WET-126-03	N	22,150	0	2,987	0	PSS1	N/A		278
WET-125-10	N	49,914	0	756	0	PSS1	PEM1		278
WET-126-02	N	15,411	0	0	0	PSS1	PFO1		278
WET-126-04	N	5,957	0	0	0	PSS1	N/A		279
WET-126-05	N	3,463	0	0	0	PSS1	N/A		279
WET-126-06	Y	17,304	0	0	0	PSS1	N/A	River, stream or brook	279
WET-126-08	N	39,611	0	709	0	PSS1	PFO1		279
WET-126-07	Y	26,720	0	0	0	PSS1, PFO1	PEM1	River, stream or brook	279
WET-126-11	N	36,651	0	996	0	PEM1	PFO1/4, PSS1		280
WET-126-13	Y	736	26	710	0	PEM1E	N/A	Significant wildlife (ETS)	280
WET-126-12	Y	26,406	0	0	0	PEM1E	PFO1	Significant wildlife (ETS)	280
WET-126-10	Y	20,779	0	100	0	PSS1	PFO1	River, stream or brook	280
WET-126-09	N	7,052	0	0	0	PSS1E			280
WET-127-04	Y	339,095	0	12,643	0	PSS1	PFO1	River, stream or brook	281
WET-127-02	Y	1,564	0	0	0	PSS1E		Significant wildlife (ETS)	281
WET-127-03	N	6,858	0	575	0	PSS1E	PFO1		281
WET-128-01	Y	24,041	0	1,004	4,740	PFO1	PSS	River, stream or brook	282
WET-128-02	Y	85,376	0	1,921	14,137	PFO1/4	PSS1	River, stream or brook	283
WET-128-03	N	2,301	0	0	0	PSS			283
WET-128-07	N	20,413	0	0	0	PSS1	PEM1		283
WET-128-04	N	316,082	0	14,374	0	PSS1	PFO1		283
WET-128-06	Y	8,737	0	0	5,215	PFO1	N/A	Significant wildlife (ETS)	284
WET-128-05	Y	89,338	0	4,128	19,446	PFO1/4	PEM1	Significant wildlife (ETS)	284
WET-129-01	Y	430,071	0	19,210	83,891	PFO1/4	PSS1	Significant wildlife (ETS)	285
WET-129-02	N	61,915	0	645	0	PSS1	PEM		285
WET-129-03	Y	85,032	0	0	0	PSS1	PFO1, PEM1	River, stream or brook	285
WET-129-04	N	6,633	0	0	0	PEM1E	N/A		286

Exhibit 9-10: Wetland Summary Table: Segment 3

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-129-05	N	515,621	20	29,361	0	PSS1	PFO1/4		286
WET-130-01	Y	690,236	0	20,969	0	PEM1	PFO1	River, stream or brook; Significant wildlife (Maine IF&W SVP); Significant Vernal Pool	287
WET-129-06	Y	193,422	80	19,790	0	PSS1	PEM, PFO1/4	River, stream or brook	287
WET-130-02	N	13,056	0	71	0	PSS1	PFO1/4, PEM		288
WET-131-02	N	15,557	0	674	0	PEM1	PFO1		289
WET-130-04	Y	2,079	0	0	0	PEM1E	N/A	Flood	289
WET-131-01	Y	36,034	0	1,039	10,159	PFO1	PEM1	Flood; River, stream or brook	289

Exhibit 9-10: Wetland Summary Table: Segment 4

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-146-05	N	80,966	13	4,178	0	PEM1	N/A		326
WET-146-04	Y	441,215	0	13,479	0	PSS1E	N/A	River, stream or brook	326
WET-146-06	N	7,023	0	0	0	PEM1	PSS1		327
WET-146-08	Y	314,320	13	20,653	0	PEM1	PSS1	River, stream or brook	327
WET-146-07	N	9,478	0	0	0	PEM1E	N/A		327
WET-146-09	N	12,296	0	4	0	PEM1E	N/A		327
WET-146-10	N	35,163	0	0	0	PSS1	PFO1/4		327
WET-146-11	N	3,364	0	0	0	PFO1	N/A		328
WET-147-01	Y	296,016	13	11,944	0	PSS1	PEM1	River, stream or brook	328
WET-147-03	Y	2,538	0	0	0	PEM1E	N/A	Significant wildlife (Maine IF&W SVP)	329
WET-147-02	Y	4,180	0	0	0	PSS1	N/A	Significant wildlife (Maine IF&W SVP); Significant Vernal Pool	329
WET-147-04	Y	758,612	38	49,996	0	PSS1	PEM1	River, stream or brook	329
WET-148-01	Y	15,603	0	0	0	PSS1	PEM1	Significant wildlife (Maine IF&W SVP); Significant Vernal Pool	331
WET-148-02	N	2,941	0	0	0	PSS1	PEM1		331
WET-148-03	N	81,138	14	4,172	0	PSS1	PFO1		331
WET-148-04	N	9,037	0	12	0	PEM1	N/A		332
WET-148-06	Y	11,329	0	549	0	PSS1	PFO1	River, stream or brook	332
WET-148-05	Y	17,058	0	805	0	PSS1	PFO1/4	River, stream or brook	332
WET-149-01	Y	459,500	38	29,594	0	PSS1	PEM1	River, stream or brook; Significant wildlife (Maine IF&W SVP)	333
WET-149-03	Y	20,918	0	0	0	PSS1E	PFO1E	Flood	333
WET-149-02	N	2,833	0	174	0	PEM1	N/A		334
WET-149-05	N	40,678	0	0	0	PEM1	N/A		334
WET-149-04	N	78,412	0	1,461	0	PSS1	N/A		334
WET-150-03	N	4,191	0	376	0	PEM	N/A		335
WET-150-01	N	26,798	0	814	0	PEM1	PFO1		335
WET-150-05	Y	145,879	0	5,433	0	PEM1	PSS1	River, stream or brook	335

Exhibit 9-10: Wetland Summary Table: Segment 4

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-150-02	N	1,817	0	0	0	PSS1	N/A		335
WET-150-04	N	2,050	0	14	0	PSS1E	N/A		335
WET-150-06	N	2,492	0	0	0	PEM1	PSS1		336
WET-150-11	Y	10,117	0	634	0	PEM1E	N/A	Significant wildlife (DWA)	336
WET-150-08	N	6,327	0	756	0	PEM1E	PSS1E		336
WET-150-07	N	1,329	0	0	0	PEM2	PSS2		336
WET-150-10	N	7,778	0	349	0	PSS1	N/A		336
WET-150-09	Y	20,268	0	479	0	PSS1	PEM1	River, stream or brook	336
WET-151-01	N	74,778	0	3,308	0	PEM1, PSS1	PFO1		337
WET-151-02	Y	392,846	25	13,654	0	PSS1	PEM1	River, stream or brook	337
WET-151-05	N	5,508	0	0	0	PEM1	N/A		338
WET-151-03	N	5,895	0	0	0	PSS1	N/A		338
WET-151-04	N	92,627	0	508	0	PSS1	N/A		338
WET-151-06	N	3,190	0	0	0	PEM1	N/A		339
WET-152-01	Y	51,946	0	1,923	0	PEM1	PFO1	Significant wildlife (DWA)	339
WET-151-07	N	2,723	0	0	0	PFO1	PEM1		339
WET-151-09	Y	9,228	0	0	0	PFO1	PSS1	Significant wildlife (DWA)	339
WET-152-02	N	43,355	0	1,263	0	PSS1	PEM1		339
WET-151-08	N	2,339	0	0	0	PSS1E	N/A		339
WET-152-03	N	5,319	0	0	0	PEM1	N/A		340
WET-152-04	N	10,523	0	0	0	PEM1	N/A		340
WET-152-05	N	10,843	7	1,555	0	PEM1	N/A		340
WET-152-06	Y	72,029	0	0	0	PEM1	PSS1	River, stream or brook	340
WET-152-08	N	85,202	0	109	0	PSS1	N/A		340
WET-152-07	N	18,219	0	218	0	PSS1E	N/A		340
WET-152-09	N	96,979	0	4,999	0	PEM1	N/A		341
WET-152-10	N	26,657	13	1,534	0	PEM1	N/A		341
WET-153-03	N	334,168	38	16,883	0	PSS1	PFO1/4		341
WET-153-06	N	3,281	0	0	0	PEM1	N/A		343
WET-153-04	Y	599	0	0	0	PEM1E	PFO1E	River, stream or brook	343
WET-153-05	Y	860	0	0	0	PEM1E	PFO1E	River, stream or brook	343
WET-153-07	N	7,494	0	0	0	PEM2	N/A		343

Exhibit 9-10: Wetland Summary Table: Segment 4

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-153-01	N	16,616	0	1,334	0	PSS1	PEM1		343
WET-153-02	Y	50,769	4	2,505	0	PSS1, PEM1	N/A	River, stream or brook	343
WET-154-05	N	1,395	0	0	0	PEM1E	N/A		344
WET-154-01	N	96,212	0	6,206	0	PSS1	PEM1		344
WET-154-03	N	16,922	0	810	0	PEM1	N/A		345
WET-154-04	N	60,767	0	0	0	PEM1	PFO1		345
WET-154-02	N	7,989	0	253	0	PEM1E	N/A		345
WET-155-01	N	17,189	0	1,473	0	PEM1	N/A		346
WET-155-02	Y	26,940	0	499	0	PEM1	N/A	River, stream or brook	346
WET-155-03	Y	29,014	0	1,670	0	PEM1	N/A	Flood	346
WET-155-04	Y	126,601	21	8,193	0	PSS1	PEM1/PFO1/4	River, stream or brook	347
WET-156-01	Y	23,640	0	486	0	PSS1/4	PEM1	River, stream or brook	348
WET-156-05	N	1,563	0	0	0	PEM1	N/A		349
WET-156-03	Y	72,984	13	2,447	0	PEM1	PSS1	Flood; River, stream or brook	349
WET-156-09	Y	11,314	0	0	0	PEM1E	PFO1/4E	Significant wildlife (DWA)	349
WET-156-02	Y	34,890	0	821	0	PSS1	PFO1	River, stream or brook	349
WET-156-04	N	1,432	0	0	0	PSS1E	N/A		349
WET-156-07	Y	5,649	0	0	0	PEM1	PFO4	Significant wildlife (DWA)	350
WET-156-08	Y	222,594	0	9,265	0	PEM1	PSS1	Significant wildlife (DWA)	350
WET-157-01	N	6,460	0	218	0	PEM1	PSS1		350
WET-157-10	N	7,071	0	0	0	PEM1E	N/A		350
WET-156-06	N	251	0	0	0	PSS1	N/A		350
WET-157-05	N	1,869	0	0	0	PEM1	N/A		351
WET-157-02	Y	58,619	0	6,102	0	PEM1	PSS1	River, stream or brook	351
WET-157-06	N	285,729	13	15,894	0	PEM1	PSS1		351
WET-157-03	N	524	0	0	0	PSS	N/A		351
WET-157-04	Y	84,598	0	2,259	0	PSS1	PEM1	River, stream or brook	351
WET-157-07	N	25,474	0	0	0	PEM1	PSS1		352
WET-157-09	N	3,866	0	0	0	PEM1	PSS1		352

Exhibit 9-10: Wetland Summary Table: Segment 4

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-158-01	Y	130,280	0	6,576	0	PEM1	PSS1	Significant wildlife (Maine IF&W SVP); Significant Vernal Pool	352
WET-157-08	N	11,238	0	226	0	PSS1	PEM1		352
WET-158-02	Y	1,920	0	0	0	PSS1	PEM1	SVP Habitat Zone	353
WET-158-08	N	2,816	0	6	0	PSS1E	N/A		353
WET-158-03	Y	3,505	0	0	0	PEM1	PSS1/4	Significant wildlife (DWA)	354
WET-158-04	N	3,179	0	0	0	PEM1, PFO1/4	N/A		354
WET-158-05	N	1,196	0	223	0	PEM1, PSS1	N/A		354
WET-158-09	N	10,277	0	0	0	PEM1E	N/A		354
WET-158-06	Y	365,091	13	15,138	0	PSS1, PEM1	PEM1/4	River, stream or brook	354
WET-159-01	N	14,162	0	0	0	PEM1	PSS1		355
WET-159-04	N	648	0	0	0	PEM1/2	N/A		355
WET-159-05	N	19,599	0	1,108	0	PEM1/2	N/A		355
WET-159-02	N	1,574	0	0	0	PFO1	N/A		355
WET-159-09	N	1,152	0	0	0	PEM1	N/A		356
WET-159-07	N	1,041	0	0	0	PEM1	PFO1/4		356
WET-159-06	N	223,369	13	12,853	0	PEM1	PSS, PFO1/4		356
WET-159-08	Y	512,921	38	41,059	0	PEM1	PSS1/PFO1/4	>20,000 sq ft of PEM	356
WET-160-02	N	670	0	0	0	PEM1	N/A		357
WET-160-01	N	15,911	0	0	0	PEM1	PSS1		357
WET-160-03	N	1,584	0	0	0	PEM1	PSS1		357
WET-160-09	N	1,395	0	0	0	PEM1	N/A		358
WET-160-05	Y	59,772	0	3,066	0	PEM1	PSS1/4	River, stream or brook	358
WET-160-06	N	10,086	0	0	0	PEM1	PSS1/4		358
WET-160-04	Y	41,450	0	339	0	PSS1	PEM1	River, stream or brook	358
WET-160-07	N	13,200	0	158	0	PSS1	PEM1		358
WET-161-07	Y	4,362	0	0	0	PSS		Significant wildlife (Maine IF&W SVP)	359

Exhibit 9-10: Wetland Summary Table: Segment 4

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-161-05	Y	5,666	0	0	0	PEM1	PFO1	Significant wildlife (Maine IF&W SVP); Significant Vernal Pool	359
WET-160-08	N	5,546	0	0	0	PEM1	PSS1		359
WET-161-01	Y	8,412	0	0	0	PEM1	PSS1	Significant wildlife (Maine IF&W SVP)	359
WET-161-02	Y	35,713	0	737	0	PEM1	PSS1/4	River, stream or brook	359
WET-161-04	Y	1,328	0	0	0	PEM1	PSS1/4	Significant wildlife (Maine IF&W SVP)	359
WET-161-06	N	1,413	0	143	0	PEM1	PSS1/4		359
WET-161-19	Y	1,665	0	0	0	PEM1E	N/A	Significant wildlife (Maine IF&W SVP)	359
WET-161-03	N	8,880	0	15	0	PSS	PEM		359
WET-161-10	N	4,310	0	0	0	PEM1	PSS1		360
WET-161-11	N	8,023	0	145	0	PEM1	PSS1		360
WET-161-12	N	23,755	0	0	0	PEM1	PSS1		360
WET-161-13	N	3,326	0	0	0	PEM1	PSS1		360
WET-161-08	N	1,540	0	0	0	PEM1	PSS1/4		360
WET-161-15	N	169,410	20	13,684	0	PEM1	PSS1/PSS 1/4		360
WET-161-09	N	2,573	0	1	0	PSS1	PEM1		360

Exhibit 9-10: Wetland Summary Table: Segment 5

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-188-14	N	36,144	0	0	0	PEM1	N/A		362
WET-188-18	N	2,334	0	0	0	PEM1	N/A		362
-	N	2,934	0	0	0	PEM1	PSS1		362
WET-188-13	N	3,286	0	0	0	PEM1	PSS1		362
WET-188-17	Y	9,891	0	0	0	PEM1	PSS1/E2	River, stream or	362
WET-188-11	Y	13,340	0	1,073	0	PEM1,	N/A	Significant	362
WET-188-15	Y	3,581	0	0	0	PSS1	N/A	River, stream or	362
WET-188-12	N	14,312	0	0	0	PSS1E	N/A		362
WET-188-03	N	7,051	0	261	0	PEM1	N/A		363
WET-188-04	Y	13,259	0	0	0	PEM1	N/A	River, stream or brook	363
WET-188-07	N	2,674	0	0	0	PEM1	N/A		363
WET-188-08	Y	7,692	0	0	0	PEM1	N/A	Significant wildlife (Maine IF&W SVP)	363
WET-188-09	N	2,663	0	0	0	PEM1	N/A		363
WET-188-10	Y	1,512	0	0	0	PEM1	N/A	Significant wildlife (Maine IF&W SVP)	363
WET-188-01	Y	7,839	0	134	0	PEM1, PSS1	N/A	River, stream or brook	363
WET-188-05	Y	11,015	0	0	0	PEM1, PSS1	N/A	River, stream or brook	363

Exhibit 9-10: Wetland Summary Table: Segment 5

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-188-06	Y	13,929	0	330	0	PEM1, PSS1	N/A	River, stream or brook; Significant wildlife (Maine IF&W SVP)	363
WET-188-02	N	7,450	0	424	0	PSS1	N/A		363
WET-187-08	N	7,382	0	0	0	PEM1	N/A		364
WET-187-10	Y	10,707	0	249	0	PEM1	N/A	River, stream or brook; Significant wildlife (DWA)	364
WET-187-05	Y	8,887	0	0	0	PEM1	PSS1	River, stream or brook	364
WET-187-07	Y	30,557	0	1,958	0	PEM1, PSS1	N/A	River, stream or brook	364
WET-187-03	Y	62,927	0	0	0	PEM1, PSS1	PFO4/1	River, stream or brook; Significant wildlife (DWA)	364
WET-187-06	Y	65,665	0	0	0	PSS1	N/A	River, stream or brook	364
WET-187-04	Y	2,250	0	0	0	PEM1	PSS1	River, stream or brook; Significant wildlife (DWA)	365
WET-187-09	Y	16,343	0	0	0	PEM1, PSS1	PFO4/1	River, stream or brook; Significant wildlife (DWA)	365
WET-187-02	Y	167,955	0	4,521	0	PFO1E	N/A	River, stream or brook; Significant wildlife (DWA)	365
WET-186-15	N	109,378	0	2,597	0	PEM1	PFO1/4/PSS1		366
WET-187-01	Y	13,846	0	0	0	PEM1	PFO4/PSS1	River, stream or brook; Significant wildlife (DWA)	366
WET-186-17	N	21,760	0	0	0	PEM1	PSS1		366

Exhibit 9-10: Wetland Summary Table: Segment 5

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-186-16	Y	24,045	0	1,769	0	PEM1, PSS1	PFO1	River, stream or brook	366
WET-186-10	N	14,407	0	0	0	PFO	N/A		366
WET-186-14	N	2,762	0	0	0	PSS1/4	N/A		366
WET-186-12	N	9,153	0	0	0	PSS1E	N/A		366
WET-186-13	N	7,710	0	1,279	0	PSS1E	N/A		366
WET-186-04	N	10,131	0	20	0	PEM1	N/A		367
WET-186-05	N	15,299	0	241	0	PEM1	N/A		367
WET-186-08	Y	39,077	0	0	0	PEM1	N/A	River, stream or brook	367
WET-186-18	Y	2,790	0	0	0	PEM1	N/A	River, stream or brook	367
WET-186-06	N	14,437	0	0	0	PEM1	PSS/PFO		367
WET-186-11	N	6,354	0	0	0	PFO1/4E	N/A		367
WET-186-09	Y	77,707	0	0	0	PSS1	PEM1	River, stream or brook	367
WET-185-04	Y	5,360	0	0	0	PEM1	N/A	River, stream or brook	368
WET-186-02	N	3,331	0	0	0	PEM1	N/A		368
WET-186-03	Y	37,920	0	416	0	PEM1	N/A	River, stream or brook	368
WET-186-01	Y	25,701	0	0	0	PSS1	N/A	River, stream or brook	368
WET-185-03	Y	38,460	0	0	0	PSS1	PFO4	River, stream or brook	368
WET-185-02	Y	63,773	0	0	0	PSS		River, stream or brook	369
WET-185-01	Y	202,912	26	22,615	0	PEM1	PFO1/4	River, stream or brook	369
WET-184-07	Y	33,199	0	547	0	PEM1, PSS1/4	N/A	River, stream or brook; Significant wildlife (DWA)	370

Exhibit 9-10: Wetland Summary Table: Segment 5

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-184-02	Y	224,583	0	3,463	0	PEM1, PSS1/4	N/A	River, stream or brook	371
WET-184-04	N	17,919	0	109	0	PSS1	N/A		371
WET-184-05	N	34,513	0	971	0	PSS1	N/A		371
WET-184-03	Y	77,091	0	0	0	PSS1	PEM1	Significant wildlife (DWA); River, stream or brook	371
WET-184-06	N	2,413	0	5	0	PSS1/4	PEM1		371
WET-184-01	Y	36,990	0	0	0	PEM	PSS1E	River, stream or brook	372
WET-183-07	N	102,469	0	1,790	0	PEM1/PSS1/4	N/A		372
WET-183-03	Y	25,018	0	0	0	PSS1	PEM1	Significant wildlife (DWA)	373
WET-183-01	Y	96,573	0	1,321	0	PSS1/4	PEM1	River, stream or brook	373
WET-183-02	N	15,381	0	195	0	PSS1/4	PEM1		373
WET-183-08	Y	158,612	0	6,583	0	PSS1/4	PEM1	River, stream or brook	373
WET-183-06	Y	196,624	0	2,041	0	PSS	N/A	Significant wildlife (DWA)	374
WET-183-04	Y	32,472	0	181	0	PSS1	N/A	Significant wildlife (DWA)	374
WET-183-05	Y	3,082	0	0	0	PSS1	N/A	Significant wildlife (DWA)	374
WET-182-01	N	542	0	0	0	PEM1	N/A		375
WET-182-05	N	120,357	0	4,544	0	PEM1	N/A		375
WET-182-02	N	3,135	0	0	0	PSS			376
WET-182-03	N	3,066	0	0	0	PEM1	N/A		376
WET-182-04	Y	8,883	0	0	0	PEM1	N/A	River, stream or brook	376

Exhibit 9-10: Wetland Summary Table: Segment 5

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-181-04	Y	272,111	52	13,866	0	PEM1	PSS1	River, stream or brook	377
WET-181-05	N	13,873	0	0	0	PSS1	N/A		377
WET-181-02	Y	8,003	0	134	0	PSS1	N/A	Significant wildlife (DWA)	378
WET-181-03	Y	2,839	0	165	0	PSS1	N/A	Significant wildlife (DWA)	378
WET-181-01	Y	6,721	0	17	0	PSS1	PEM1	Significant wildlife (DWA)	378
WET-180-03	Y	24,124	0	997	0	PSS1	N/A	Significant wildlife (DWA)	379
WET-180-01	Y	203,404	245	7,422	0	PSS1	PEM1	River, stream or brook; Significant wildlife (DWA); >20,000 sq ft of PEM	379
WET-180-04	Y	24,663	0	30	0	PSS1	PEM1	Significant wildlife (DWA)	379
WET-179-01	Y	6,679	0	0	0	PSS1	PEM1	Significant wildlife (DWA)	381
WET-180-02	Y	10,689	0	0	0	PSS1	PEM1	Significant wildlife (DWA)	381
WET-179-02	Y	29,589	0	0	0	PSS1	PEM1	River, stream or brook; Significant wildlife (DWA)	382
WET-179-03	Y	76,069	0	1,012	0	PSS1	PEM1	River, stream or brook; Significant wildlife (DWA)	382
WET-178-06	Y	160,209	0	0	0	PSS1E	N/A	River, stream or brook; Significant wildlife (DWA)	384
WET-178-03	N	1,544	0	0	0	PSS			385
WET-178-05	N	1,289	0	0	0	PSS			385

Exhibit 9-10: Wetland Summary Table: Segment 5

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-178-02	N	54,699	0	931	0	PEM1E	PSS1E		385
WET-178-01	N	940	0	0	0	PSS1E	N/A		385
WET-178-04	N	11,196	0	0	0	PSS1E	N/A		385
WET-177-01	Y	372,904	26	14,854	0	PSS1	N/A	River, stream or brook	386
WET-177-02	N	179,978	0	1,486	0	PSS1E	N/A		387
WET-176-03	N	889	0	0	0	PSS			389
WET-176-04	N	714	0	0	0	PSS			389
WET-176-01	N	36,762	110	1,457	0	PSS1	N/A		389
WET-176-02	Y	45,727	0	4,379	0	PSS1	N/A	River, stream or brook; Significant wildlife (ETS)	389
WET-175-03	Y	10,673	0	719	0	PSS1	N/A	River, stream or brook	391
WET-175-04	N	6,435	0	0	0	PSS1	N/A		391
WET-175-05	N	2,962	0	0	0	PSS1	N/A		391
WET-175-02	Y	16,075	0	869	0	PSS1	PEM1	River, stream or brook; >20,000 sq ft of PEM	391
WET-175-01	N	12,320	0	0	0	PSS1	PEM1		392
WET-174-01	N	4,364	0	27	0	PSS1	PEM1		393
WET-174-02	N	4,534	0	1	0	PSS1	PEM1		393
WET-174-03	Y	51,330	0	814	0	PSS1	PEM1	SVP Habitat Zone	393
WET-174-06	Y	33,673	0	0	0	PSS1	PEM1	Significant Vernal Pool	393
WET-174-08	N	18,247	0	0	0	PSS1	PEM1		393
WET-174-05	Y	16,323	0	1,030	0	PSS1	PEM1	River, stream or brook	394
WET-174-07	Y	23,138	0	1,428	0	PSS1	PEM1	River, stream or brook	394
WET-173-03	Y	14,389	0	771	0	PSS1	PEM1	River, stream or brook	395
WET-173-04	N	1,727	0	13	0	PSS1	PEM1		395

Exhibit 9-10: Wetland Summary Table: Segment 5

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-173-02	N	6,350	0	0	0	PSS1	N/A		396
WET-173-01	N	1,521	0	0	0	PSS1E	N/A		396
WET-172-05	N	21,955	0	931	0	PEM1	PSS1		397
WET-172-03	N	8,903	0	0	0	PSS1	N/A		397
WET-172-04	N	5,635	0	0	0	PSS1	PEM1		397
WET-172-06	Y	81,305	0	0	0	PSS1	PEM1	River, stream or brook	397
WET-172-01	Y	20,853	0	1,317	0	PEM1	N/A	River, stream or brook	398
WET-172-02	Y	137,186	0	0	0	PSS1	N/A	River, stream or brook	398
WET-171-01	N	5,930	0	0	0	PEM1	N/A		400
WET-171-02	N	9,329	0	0	0	PEM1, PSS1	N/A		400
WET-171-03	Y	24,519	0	854	0	PSS1	N/A	River, stream or brook	400
WET-171-04	N	3,900	0	264	0	PSS1	N/A		400
WET-170-02	N	143,951	0	8,196	0	PSS1	N/A		401
WET-170-01	N	98,968	0	2,140	0	PSS1E	N/A		401
WET-170-03	N	48,048	0	2,977	0	PEM1	PSS1		402
WET-170-04	N	40,792	0	2,998	0	PSS1	N/A		402
WET-170-05	Y	50,765	0	2,436	0	PSS1	N/A	River, stream or brook	402
WET-169-03	N	6,270	0	0	0	PSS			403
WET-170-06	Y	141,028	26	12,501	0	PEM1	PSS1	River, stream or brook	403
WET-169-02	Y	134,028	0	4,545	0	PSS1	N/A	River, stream or brook; Significant wildlife (DWA); Significant Vernal P	404

Exhibit 9-10: Wetland Summary Table: Segment 5

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-169-01	Y	58,274	0	3,574	0	PEM1	N/A	River, stream or brook; Significant wildlife (DWA)	405
WET-168-03	N	190,754	26	12,866	0	PEM1	PSS1		406
WET-168-04	Y	88,698	0	5,253	0	PEM1	PSS1	River, stream or brook	406
WET-168-05	Y	88,923	0	605	0	PEM1	PSS1	River, stream or brook; Significant wildlife (DWA)	406
WET-168-06	N	73,309	26	5,735	0	PEM1	PSS1		407
WET-168-01	N	8,841	0	0	0	PSS1	N/A		407
WET-168-02	N	13,317	0	43	0	PSS1	N/A		407
WET-167-01	Y	990,210	169	84,515	0	PEM1	PSS1	>20,000 sq ft of PEM; Significant wildlife (IWWH)	408
WET-167-04	N	30,758	0	0	0	PEM1	PSS1		408
WET-167-02	N	12,500	0	0	0	PSS1	N/A		408
WET-167-03	N	5,600	0	0	0	PSS1	N/A		408
WET-166-01	Y	147,579	26	3,561	0	PSS1	N/A	River, stream or brook	411
WET-165-01	Y	35,219	0	6,742	0	PSS1, PEM1	N/A	Significant wildlife (DWA)	412
WET-165-03	Y	151,795	0	580	0	PEM1	PSS1	Significant wildlife (DWA); >20,000 sq ft of PEM	413
WET-165-02	Y	11,774	0	0	0	PSS1	PEM1	Significant wildlife (DWA)	413
WET-164-08	N	66,545	0	1,495	0	PEM1	PSS1		414
WET-165-04	N	54,286	0	2,935	0	PEM1	PSS1		414
WET-164-05	N	22,039	0	0	0	PSS1	N/A		415
WET-164-04	N	45,716	0	847	0	PSS1	PEM1		415
WET-164-06	N	2,417	0	0	0	PSS1E	N/A		415

Exhibit 9-10: Wetland Summary Table: Segment 5

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-164-07	N	16,787	0	0	0	PSS1E	N/A		415
WET-164-01	N	92,837	0	430	0	PEM1	PSS1		416
WET-164-02	N	40,835	0	75	0	PSS1	PEM1		416
WET-164-03	N	714	0	0	0	PSS1	PEM1		416
WET-162-01	Y	1,354	0	0	0	PEM1	N/A	SVP Habitat Zone	417
WET-162-02	Y	9,431	0	0	0	PEM1	N/A	Significant wildlife (Maine IF&W SVP)	417
WET-162-03	Y	22,456	0	0	0	PEM1	N/A	SVP Habitat Zone	417
WET-162-05	Y	2,149	0	0	0	PEM1	PFO4	SVP Habitat Zone	417
WET-163-04	N	6,384	0	0	0	PSS1	N/A		417
WET-163-03	N	31,837	0	0	0	PSS1	PEM1		417
WET-163-05	N	9,739	0	0	0	PSS1	PEM1		417
WET-163-02	Y	441,850	93	13,165	0	PSS1, PFO1	PEM1	River, stream or brook; Significant wildlife (ETS); Great pond	417
WET-163-01	Y	9,420	0	0	0	PSS1	PEM1	Significant wildlife (ETS); Great pond	418
WET-162-04	Y	1,385,696	0	814	0	PEM1E	PFO1/2E	River, stream or brook; Significant wildlife (Maine IF&W SVP, ETS);	419

Exhibit 9-10: Wetland Summary Table: Fickett Road Substation

Wetland ID	WOSS	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-161-16	Y	57,886	17,133	0	PEM1, PSS1	PEM1 mowed; PSS1	River, stream or brook	361

Exhibit 9-10: Wetland Summary Table: Merrill Road Converter Station

Wetland ID	WOSS	Permanent Fill Impact (Sq Ft)	Temporary Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-145-01	Y	83,375	36,785	0	PEM1	PSS1	River, stream or brook	320
WET-145-02	Y	674	0	2	PFO1/4E		Significant Vernal Pool	320

Compensation Plan Exhibits 1-4 and 1-5 (Revised)

Exhibit 1-4 Compensation Package Summary as Required by USACE and NRPA

Project Impact				Compensation Required[1]			Compensation Sites			
Activity		Square feet	Acres	Agency Required by	Compensation Ratio X Adjustment[2]	Estimated Quantity Required	Flagstaff Lake Tract Total Acres= 831.39	Little Jimmie Pond-Harwood Tract Total Acres= 109.77	Pooler Pond Tract Total Acres= 81.24	Total Compensation Total Area= 1022.40
Impact to Wetlands	Permanent Fill in Wetlands (Non-WOSS)	14,705	0.338	USACE & MDEP	30:1 [6] USACE ratio applied	10.13	423.96 of wetland preservation	68.46 of wetland preservation	18.33 of wetland preservation	510.75 acres of wetland preservation to offset 3.616 acres of Permanent Fill in Wetlands (WOSS and Non-WOSS), 30.145 acres of Temporary Wetland Fill in PSS, and 63.606 acres of Permanent Forested Wetland Conversion, which is 151.15 acres over the amount of compensation required. $159,335.30 ILF for Temporary Wetland Fill in PEM.
	Permanent Fill in WOSS[3]	142,825	3.279	USACE & MDEP	30:1 [6] USACE ratio applied	98.36				
	Temporary Wetland Fill in PEM (<18 months)	865,634	19.872	USACE	See Exhibit 1-5A In-Lieu Fee Summary					
	Temporary Wetland Fill in PSS[4] (<18 months)	1,313,130	30.145	USACE	20:1 x 0.10 USACE ratio applied	60.29				
	Permanent Forested Wetland Conversion[5]	2,770,685	63.606	USACE	20:1 x 0.15 USACE ratio applied	190.82				
	Total Impact:	5,106,979	117.240		**Total Ac. Required:**	359.60				
Impact to Significant Vernal Pool Habitat (250')	Permanent Wetland Fill in SVPH	672	0.015	USACE & MDEP	See Exhibit 1-5A In-Lieu Fee Summary		See Exhibit 1-5A In-Lieu Fee Summary			$334,435.56 ILF amount
	Permanent Forested Wetland Conversion SVPH	141,736	3.254	USACE & MDEP						
	Permanent Upland Fill in SVPH	12,801	0.294	MDEP						
	Permanent Upland Conversion in SVPH	1,007,841	23.137	MDEP						
	Total Impact:	1,163,050	26.700		**Total Ac. Required:**	n/a				
Impact to USACE Jurisdictional Vernal Pools	Direct Fill in Vernal Pool Depression or 100' Envelope	107,845	2.476	USACE	See Exhibit 1-5A In-Lieu Fee Summary		See Exhibit 1-5A In-Lieu Fee Summary			$2,058,125.91 ILF amount
	High Value Vernal Pools[7]	48		USACE						
	Medium Value Vernal Pools	122		USACE						
	Low Value Vernal Pools	71		USACE						
	Total Impact:	2.468 acres of direct fill / 241 vernal pools								
Impact to Inland Wading Bird & Waterfowl Habitat	Permanent Wetland Fill in IWWH	124	0.003	USACE & MDEP	See Exhibit 1-5A In-Lieu Fee Summary		See Exhibit 1-5A In-Lieu Fee Summary			$162,952.82 ILF amount
	Permanent Forested Wetland Conversion IWWH	76,578	1.758	USACE & MDEP						
	Permanent Upland Fill in IWWH	376	0.009	MDEP						
	Permanent Upland Conversion in IWWH	335,533	7.703	MDEP						
	Total Impact:	412,611	9.472		**Total Ac. Required:**	n/a				
									Total In-Lieu Fee Payment	**$2,714,849.59**
									Total Compensation Land	**1022.40 Acres**

[1] Based on ratios and adjustments within the DEP Fact Sheet-In-Lieu Fee Compensation Program, 2016 USACE New England District Compensatory Mitigation Guidance and discussions held during the Compensation Working Session on 4/3/18, with the USACE and MDEP, as shown in Exhibit 1-1.

[2] In each case where compensation is required by both the MDEP and USACE, the higher ratio and adjustment was applied.

[3] Permanent wetland fill to PEM and PSS wetlands within SVPH and IWWH are excluded from this calculation and are calculated separately within their own respective categories.

[4] Given that hydrology or significant soil disturbance will not result, all forested wetlands will convert to scrub-shrub wetland.

[5] Conversion of forested wetlands excludes clearing within SVPH or IWWH and are calculated separately within their own respective categories.

[6] CMP offered a ratio of 30:1 to the USACE, which is above the 20:1 required, for land preservation for their consideration of the compensation parcels offered as part of this plan.

[7] Excludes impacts to SVPH.

Exhibit 1-5: In-Lieu Fee Summary

Impact Type		Resource Impact		In Lieu (ILF) Fee Compensation (MDEP & USACE)[1]		Adjustments to Standard Ratios/Amounts[2]		ILF Payment
		Sq ft	Acres	Formula	Multiplier	DEP	USACE	
Wetland Impact	**Permanent Fill in Wetlands (Non-WOSS)** See Exhibit 1-4	14,705	0.338	Natural Resource Enhancement & Restoration Cost/Sq. Ft. X Avg. Assessed Land Value/Sq. Ft	1	100%	100%	Preservation, See Exhibit 1-4
	Permanent Fill in WOSS[3] See Exhibit 1-4	142,825	3.279	Natural Resource Enhancement & Restoration Cost/Sq. Ft. X Avg. Assessed Land Value/Sq. Ft	2	100%	100%	Preservation, See Exhibit 1-4
	Temporary Wetland Fill in PEM (<18 months) See Table 1-5.1	865,634	19.872	Natural Resource Enhancement & Restoration Cost/Sq. Ft. X Avg. Assessed Land Value/Sq. Ft	1	USACE only	5%	$159,335.30
	Temporary Wetland Fill in PSS[4] (<18 months) See Exhibit 1-4	1,313,130	30.145	Natural Resource Enhancement & Restoration Cost/Sq. Ft. X Avg. Assessed Land Value/Sq. Ft	1	USACE only	10%	Preservation, See Exhibit 1-4
	Permanent Forested Wetland Conversion[5] See Exhibit 1-4	2,770,685	63.606	Natural Resource Enhancement & Restoration Cost/Sq. Ft. X Avg. Assessed Land Value/Sq. Ft	1	USACE only	15%	Preservation, See Exhibit 1-4
Impact to MDEP Significant Vernal Pool Habitat (250')	**Permanent Wetland Fill in SVPH** See Table 1-5.2	672	0.015	Natural Resource Enhancement & Restoration Cost/Sq. Ft. X Avg. Assessed Land Value/Sq. Ft	2	100%	100%	$5,080.32
	Permanent Forested Wetland Conversion SVPH See Table 1-5.3	141,736	3.254	Natural Resource Enhancement & Restoration Cost/Sq. Ft. X Avg. Assessed Land Value/Sq. Ft	1	60%	15%	$278,371.42
	Permanent Upland Fill in SVPH See Table 1-5.4	12,801	0.294	Avg. Assessed Land Value/Sq. Ft	1	100%	DEP only	$2,162.57
	Permanent Upland Conversion in SVPH See Table 1-5.5	1,007,841	23.137	Avg. Assessed Land Value/Sq. Ft	1	60%	DEP only	$48,821.25
Impact to USACE Jurisdictional Vernal Pool Habitat[7] (750')	**Direct Fill in Vernal Pool Depression or 100' Envelope** See Table 1-5.6a	107,845	2.476	Natural Resource Enhancement & Restoration Cost/Sq. Ft. X Avg. Assessed Land Value/Sq. Ft	1	USACE only	100%	$424,974.91
	High Value Vernal Pools[7] See Table 1-5.6b	48 High Value Vernal Pools		(13,000 Sq. ft x 5) X (Natural Resource Enhancement & Restoration Cost + Avg. Assessed Land Value)	1	USACE only	5%	$577,200.00
	Medium Value Vernal Pools See Table 1-5.6c	122 Medium Value Vernal Pools		(13,000 Sq. ft x 3) X (Natural Resource Enhancement & Restoration Cost + Avg. Assessed Land Value)	1	USACE only	5%	$889,219.50
	Low Value Vernal Pools See Table 1-5.6d	71 Low Value Vernal Pools		(13,000 Sq. ft x 1) X (Natural Resource Enhancement & Restoration Cost + Avg. Assessed Land Value)	1	USACE only	5%	$166,731.50
Inland Wading Bird & Waterfowl Habitat (IWWH)	**Permanent Wetland Fill in IWWH** Table 1-5.7	124	0.003	Natural Resource Enhancement & Restoration Cost/Sq. Ft. X Avg. Assessed Land Value/Sq. Ft	2	100%	100%	$954.34
	Permanent Forested Wetland Conversion IWWH Table 1-5.8	76,578	1.758	Natural Resource Enhancement & Restoration Cost/Sq. Ft. X Avg. Assessed Land Value/Sq. Ft	1	60%	15%	$153,324.04
	Permanent Upland Fill in IWWH See Table 1-5.9	376	0.009	Avg. Assessed Land Value/Sq. Ft	1	100%	DEP only	$43.31
	Permanent Upland Conversion in IWWH See Table 1-5.10	335,533	7.703	Avg. Assessed Land Value/Sq. Ft	1	60%	DEP only	$8,631.13
					Total In-Lieu Fee Payment			**$2,714,849.59**

[1] In each case where compensation is required by both the MDEP and USACE, the higher ratio and adjustment was applied.

[2] Ratios and adjustments are based in part on the DEP Fact Sheet-In-Lieu Fee Compensation Program, 2016 USACE New England District Compensatory Mitigation Guidance and discussions held during the Compensation Working Session on 4/3/18, with the USACE and MDEP, as shown in Exhibit 1-1.

[3] Permanent wetland fill to PEM and PSS wetlands within SVPH and IWWH are excluded from this calculation and are calculated separately in their own respective categories.

[4] Given that hydrology or significant soil disturbance will not result, all forested wetlands will convert to scrub-shrub wetland.

[5] Conversion of forested wetlands excludes clearing within SVPH or IWWH, and are calculated separately in their own respective categories.

[6] Permanent wetland fill and forested wetland conversion impacts (shaded gray) in SVPH are included in the calculations provided in the Wetland Impact section of the table.

[7] Excludes impacts to SVPH.

[8] Permanent wetland fill and forested wetland conversion impacts (shaded gray) in IWWH are included in the calculations provided in the Wetland Impact section of the table.

Table 1-5.1 ILF Compensation for Temporary Wetland Fill in Emergent Wetlands

			Wetland Compensation Formula: Sq. Ft. of Wetland Impacted X (Natural Resource Enhancement and Restoration Cost + Assessed Land Value) x (Resource Multiplier)[2]			
NECEC Project Component[1]	**Total Acres of Fill**	**Resource Impact (sq. ft.)**	**County**	**Natural Resource Enhancement and Restoration Cost ($)**	**Assessed Land Value ($)**	**In-Lieu Fee ($)**
Transmission Structures	6.261	272,749	Androscoggin	3.61	0.17	$51,549.56
Transmission Structures	0.701	30,521	Cumberland	3.61	0.69	$6,562.02
Transmission Structures	2.343	102,042	Franklin	2.86	0.03	$14,745.07
Transmission Structures	0.029	1,244	Kennebec	3.61	0.16	$234.49
Transmission Structures	3.878	168,928	Lincoln	3.61	0.3	$33,025.42
Transmission Structures	0.532	23,162	Sagadahoc	3.61	0.27	$4,493.43
Transmission Structures	6.129	266,988	Somerset	3.61	0.04	$48,725.31
Total	**19.872 Acres**	**865,634 Sq. ft.**			**Total In-Lieu Fee**	**$159,335.30**

[1] Impacts are restricted to the temporary access for transmission line structures. There is no temporary wetland fill associated with substation development.

[2] Resource multiplier of 1 and an adjustment of 5%.

Table 1-5.2 ILF Compensation for Permanent Wetland Fill in SVPH

		Permanent Wetland Fill in SVPH[1]						Wetland Compensation Formula: Sq. Ft. of Wetland Impacted X (Natural Resource Enhancement and Restoration Cost + Assessed Land Value) x (Resource Multiplier)[2]			
			Cowardin Cover Type (Sq. Ft.)								
NECEC Project Component	Total Acres of Fill	Resource Impact (sq. ft.)	PEM	PFO	PSS	HUC8 Watershed	Bailey and Keys Ecoregion	County	Natural Resource Enhancement and Restoration Cost ($)	Assessed Land Value ($)	In-Lieu Fee ($)
Transmission	0.000	0	0	0	40	NA	Central Maine Embayment	Androscoggin	3.61	0.17	$0.00
Transmission	0.000	0	0	0	0	NA	Presumpscot River and Casco Bay	Cumberland	3.61	0.69	$0.00
Transmission	0.000	0	0	0	0	NA	Western Foothills and Central Mountains	Franklin	2.86	0.03	$0.00
Transmission	0.000	0	0	0	0	NA	Central Interior	Kennebec	3.61	0.16	$0.00
Transmission	0.000	0	0	0	0	NA	Midcoast Region	Lincoln	3.61	0.3	$0.00
Transmission	0.000	0	0	0	0	NA	Midcoast Region	Sagadahoc	3.61	0.27	$0.00
Transmission	0.000	0	0	0	0	NA	Western Mountains	Somerset	3.61	0.04	$0.00
Merrill Road Converter	0.015	672	0	672	0	Lower Androscoggin River	Central Maine Embayment	Androscoggin	3.61	0.17	$5,080.32
Fickett Road Substation	0.000	0	0	0	0	Presumpscot River and Casco Bay	Casco Bay Coast	Cumberland	3.61	0.69	$0.00
HDD Termination Stations	0.000	0	0	0	0	NA	Western Mountains	Somerset	3.61	0.04	$0.00
Total	**0.015 Acres**	**672 Sq. ft.**								**Total In-Lieu Fee**	**$5,080.32**

[1] Wetlands within SVPH are WOSS. For purposes of evaluating compensation, WOSS impacts shown in Exhibit 1-4 exclude WOSS associated with SVPH.

[2] Resource multiplier of 2.

Table 1-5.3 ILF Compensation for Permanent Forested Wetland Conversion in SVPH

		Permanent Wetland Conversion in SVPH						Wetland Compensation Formula: Sq. Ft. of Wetland Impacted X (Natural Resource Enhancement and Restoration Cost + Assessed Land Value) x (Resource Multiplier)[1]			
			Cowardin Cover Type (Sq. Ft.)								
NECEC Project Component	Total Acres of Fill	Resource Impact (sq. ft.)[1]	PEM	PFO	PSS	HUC8 Watershed	Bailey and Keys Ecoregion	County	Natural Resource Enhancement and Restoration Cost ($)	Assessed Land Value ($)	In-Lieu Fee ($)
Transmission	0.673	29,312	0	29,312	0	NA	Central Maine Embayment	Androscoggin	3.61	0.17	$66,479.62
Transmission	0.000	0	0	0	0	NA	Presumpscot River and Casco Bay	Cumberland	3.61	0.69	$0.00
Transmission	1.730	75,371	0	75,371	0	NA	Western Foothills and Central Mountains	Franklin	2.86	0.03	$130,693.31
Transmission	0.000	0	0	0	0	NA	Central Interior	Kennebec	3.61	0.16	$0.00
Transmission	0.000	0	0	0	0	NA	Midcoast Region	Lincoln	3.61	0.3	$0.00
Transmission	0.000	0	0	0	0	NA	Midcoast Region	Sagadahoc	3.61	0.27	$0.00
Transmission	0.835	36,381	0	36,381	0	NA	Western Mountains	Somerset	3.61	0.04	$79,674.39
Merrill Road Converter	0.015	672	0	672	0	Lower Androscoggin River	Central Maine Embayment	Androscoggin	3.61	0.17	$1,524.10
Fickett Road Substation	0.000	0	0	0	0	Presumpscot River and Casco Bay	Casco Bay Coast	Cumberland	3.61	0.69	$0.00
HDD Termination Stations	0.000	0	0	0	0	NA	Western Mountains	Somerset	3.61	0.04	$0.00
Total	**3.254 Acres**	**141,736 Sq. ft.**								**Total In-Lieu Fee**	**$278,371.42**

[1] Resource multiplier of 1 and a 60% adjustment.

Table 1-5.4: ILF Compensation for Permanent Upland Fill in SVPH

			Wetland Compensation Formula: Sq. Ft. of Wetland Impacted X (Natural Resource Enhancement and Restoration Cost + Assessed Land Value) x (Resource Multiplier)[1]			
NECEC Project Component	**Total Acres of Fill**	**Resource Impact (sq. ft.)**	**County**	**Natural Resource Enhancement and Restoration Cost ($)**	**Assessed Land Value ($)**	**In-Lieu Fee ($)**
Transmission Structures	0.006	252	Androscoggin	0	0.17	$42.84
Transmission Structures	0.001	25	Cumberland	0	0.69	$17.25
Transmission Structures	0.002	99	Franklin	0	0.03	$2.97
Transmission Structures	0.000	0	Kennebec	0	0.16	$0.00
Transmission Structures	0.001	52	Lincoln	0	0.3	$15.60
Transmission Structures	0.000	0	Sagadahoc	0	0.27	$0.00
Transmission Structures	0.003	150	Somerset	0	0.04	$6.00
Merrill Road Converter Station	0.281	12,223	Androscoggin	0	0.17	$2,077.91
Fickett Road Substation	0.000	0	Cumberland	0	0.69	$0.00
HDD Termination Stations	0.000	0	Somerset	0	0.04	$0.00
Total	**0.294 Acres**	**12,801 Sq. ft.**			**Total In-Lieu Fee**	**$2,162.57**

[1] Resource multiplier of 1.

Table 1-5.5: ILF Compensation for Permanent Upland Conversion in SVPH

			Wetland Compensation Formula: Sq. Ft. of Wetland Impacted X (Natural Resource Enhancement and Restoration Cost + Assessed Land Value) x (Resource Multiplier)[1]			
NECEC Project Component	**Total Acres of Conversion**	**Resource Impact (sq. ft.)**	**County**	**Natural Resource Enhancement and Restoration Cost ($)[2]**	**Assessed Land Value ($)**	**In-Lieu Fee ($)**
Transmission Structures	7.501	326,765	Androscoggin	0	0.17	$33,330.03
Transmission Structures	0.000	0	Cumberland	0	0.69	$0.00
Transmission Structures	6.918	301,333	Franklin	0	0.03	$5,423.99
Transmission Structures	0.000	0	Kennebec	0	0.16	$0.00
Transmission Structures	0.000	0	Lincoln	0	0.3	$0.00
Transmission Structures	0.000	0	Sagadahoc	0	0.27	$0.00
Transmission Structures	8.437	367,520	Somerset	0	0.04	$8,820.48
Merrill Road Converter Station	0.281	12,223	Androscoggin	0	0.17	$1,246.75
Fickett Road Substation	0.000	0	Cumberland	0	0.69	$0.00
HDD Termination Stations	0.000	0	Somerset	3.61	0.04	$0.00
Total	**23.137 Acres**	**1,007,841 Sq. ft.**			**Total In-Lieu Fee**	**$48,821.25**

[1] Resource multiplier of 1 and an adjustment of 60%.

[2] For upland portions of SVPH, no restoration cost is associated with conversion impact to non-wetland resources.

Table 1-5.6a: ILF Compensation for Direct Fill in USACE Jurisdictional Vernal Pools (Depression or 100-foot Envelope)

			Wetland Compensation Formula: Sq. Ft. of Wetland Impacted X (Natural Resource Enhancement and Restoration Cost + Assessed Land Value) x (Resource Multiplier)[1]			
NECEC Project Component	**Total Acres of Fill**	**Resource Impact (sq. ft.)**	**County**	**Natural Resource Enhancement and Restoration Cost ($)**	**Assessed Land Value ($)**	**In-Lieu Fee ($)[2]**
Transmission Structures/Station	1.684	73,340	Androscoggin	3.61	0.17	$277,224.71
Transmission Structures/Station	0.765	33,330	Cumberland	3.61	0.69	$143,318.74
Transmission Structures	0.002	79	Franklin	2.86	0.03	$229.46
Transmission Structures	0.000	0	Kennebec	3.61	0.16	$0.00
Transmission Structures	0.016	708	Lincoln	3.61	0.3	$2,767.40
Transmission Structures	0.002	84	Sagadahoc	3.61	0.27	$324.04
Transmission Structures/Stations	0.007	304	Somerset	3.61	0.04	$1,110.57
Total	**2.476 Acres**	**107,845 Sq. ft.**			**Total In-Lieu Fee**	**$424,974.91**

[1] Resource multiplier of 1.

Table 1-5.6b ILF Compensation for USACE High Value Jurisdictional Vernal Pools

					Wetland Compensation Formula: Sq. Ft. of Wetland Impacted X (Natural Resource Enhancement and Restoration Cost + Assessed Land Value) x (Resource Multiplier)[1]			
NECEC Project Component	High Value Pools (#)	Multiplier x Standard Sq Ft[2]	HUC8 Watershed	Bailey and Keys Ecoregion	County	Natural Resource Enhancement and Restoration Cost ($)	Assessed Land Value ($)	In-Lieu Fee ($)
Transmission / Merrill Road Converter	28	65,000	NA	Central Maine Embayment	Androscoggin	3.61	0.17	$343,980.00
Transmission / Fickett Road	0	65,000	NA	Presumpscot River and Casco Bay	Cumberland	3.61	0.69	$0.00
Transmission	3	65,000	NA	Foothills and Central	Franklin	2.86	0.03	$28,177.50
Transmission	0	65,000	NA	Central Interior	Kennebec	3.61	0.16	$0.00
Transmission	4	65,000	NA	Midcoast Region	Lincoln	3.61	0.3	$50,830.00
Transmission	0	65,000	NA	Midcoast Region	Sagadahoc	3.61	0.27	$0.00
Transmission	13	65,000	NA	Western Mountains	Somerset	3.61	0.04	$154,212.50
Total No.	**48**						**Total In-Lieu Fee**	**$577,200.00**

[1] Resource multiplier of 1 and an adjustment of 5%.

[2] USACE 2016 Corps Mitigation Guidance: Standard of 13,000 sq.ft. x 5 for high value pools.

Table 1-5.6c ILF Compensation for USACE Medium Value Jurisdictional Vernal Pools

					Wetland Compensation Formula: Sq. Ft. of Wetland Impacted X (Natural Resource Enhancement and Restoration Cost + Assessed Land Value) x (Resource Multiplier)[1]			
NECEC Project Component	**Medium Value Pools (#)**	**Multiplier x Standard Sq Ft[2]**	**HUC8 Watershed**	**Bailey and Keys Ecoregion**	**County**	**Natural Resource Enhancement and Restoration Cost ($)**	**Assessed Land Value ($)**	**In-Lieu Fee ($)**
Transmission / Merrill Road Converter	55	39,000	NA	Central Maine Embayment	Androscoggin	3.61	0.17	$405,405.00
Transmission / Fickett Road	7	39,000	NA	Presumpscot River and Casco Bay	Cumberland	3.61	0.69	$58,695.00
Transmission	10	39,000	NA	Foothills and Central	Franklin	2.86	0.03	$56,355.00
Transmission	1	39,000	NA	Central Interior	Kennebec	3.61	0.16	$7,351.50
Transmission	17	39,000	NA	Midcoast Region	Lincoln	3.61	0.3	$129,616.50
Transmission	9	39,000	NA	Midcoast Region	Sagadahoc	3.61	0.27	$68,094.00
Transmission	23	39,000	NA	Western Mountains	Somerset	3.61	0.04	$163,702.50
Total No.	**122**						**Total In-Lieu Fee**	**$889,219.50**

[1] Resource multiplier of 1 and an adjustment of 5%.

[2] USACE 2016 Corps Mitigation Guidance: Standard of 13,000 sq.ft. x 3 for medium value pools.

Table 1-5.6d ILF Compensation for USACE Low Value Jurisdictional Vernal Pools

					Wetland Compensation Formula: Sq. Ft. of Wetland Impacted X (Natural Resource Enhancement and Restoration Cost + Assessed Land Value) x (Resource Multiplier)[1]			
NECEC Project Component	**Low Value Pools (#)**	**Multiplier x Standard Sq Ft[2]**	**HUC8 Watershed**	**Bailey and Keys Ecoregion**	**County**	**Natural Resource Enhancement and Restoration Cost ($)**	**Assessed Land Value ($)**	**In-Lieu Fee ($)**
Transmission / Merrill Road Converter	32	13,000	NA	Central Maine Embayment	Androscoggin	3.61	0.17	$78,624.00
Transmission / Fickett Road	0	13,000	NA	Presumpscot River and Casco Bay	Cumberland	3.61	0.69	$0.00
Transmission	11	13,000	NA	Foothills and Central	Franklin	2.86	0.03	$20,663.50
Transmission	0	13,000	NA	Central Interior	Kennebec	3.61	0.16	$0.00
Transmission	6	13,000	NA	Midcoast Region	Lincoln	3.61	0.3	$15,249.00
Transmission	0	13,000	NA	Midcoast Region	Sagadahoc	3.61	0.27	$0.00
Transmission	22	13,000	NA	Western Mountains	Somerset	3.61	0.04	$52,195.00
Fickett Road Substation	0	13,000	Presumpscot River and Casco Bay	Casco Bay Coast	Cumberland	3.61	0.69	$0.00
Total No.	**71**						**Total In-Lieu Fee**	**$166,731.50**

[1] Resource multiplier of 1 and an adjustment of 5%.

[2] USACE 2016 Corps Mitigation Guidance: Standard of 13,000 sq.ft. x 1 for low value pools.

Table 1-5.7 ILF Compensation for Permanent Wetland Fill in IWWH

		Permanent Wetland Fill in IWWH[1]						Wetland Compensation Formula: Sq. Ft. of Wetland Impacted X (Natural Resource Enhancement and Restoration Cost + Assessed Land Value) x (Resource Multiplier)[2]			
			Cowardin Cover Type (Sq. Ft.)								
NECEC Project Component	Total Acres of Fill	Resource Impact (sq. ft.)[1]	PEM	PFO	PSS	HUC8 Watershed	Bailey and Keys Ecoregion	County	Natural Resource Enhancement and Restoration Cost ($)	Assessed Land Value ($)	In-Lieu Fee ($)
Transmission	0.001	59	52	0	7	NA	Central Maine Embayment	Androscoggin	3.61	0.17	$446.04
Transmission	0.000	0	0	0	0	NA	Presumpscot River and Casco Bay	Cumberland	3.61	0.69	$0.00
Transmission	0.000	0	0	0	0	NA	Western Foothills and Central Mountains	Franklin	2.86	0.03	$0.00
Transmission	0.000	0	0	0	0	NA	Central Interior	Kennebec	3.61	0.16	$0.00
Transmission	0.001	65	65	0	0	NA	Midcoast Region	Lincoln	3.61	0.3	$508.30
Transmission	0.000	0	0	0	0	NA	Midcoast Region	Sagadahoc	3.61	0.27	$0.00
Transmission	0.000	0	0	0	0	NA	Western Mountains	Somerset	3.61	0.04	$0.00
Merrill Road Converter	0.000	0	0	0	0	Lower Androscoggin River	Central Maine Embayment	Androscoggin	3.61	0.17	$0.00
Fickett Road Substation	0.000	0	0	0	0	Presumpscot River and Casco Bay	Casco Bay Coast	Cumberland	3.61	0.69	$0.00
HDD Termination Stations	0.000	0	0	0	0	NA	Western Mountains	Somerset	3.61	0.04	$0.00
Total	**0.003 Acres**	**124 Sq. ft.**								**Total In-Lieu Fee**	**$954.34**

[1] Wetlands within IWWH are WOSS. For purposes of evaluating compensation, WOSS impacts shown in Exhibit 1-4 exclude WOSS associated with IWWH.

[2] Resource multiplier of 2.

Table 1-5.8 ILF Compensation for Permanent Forested Wetland Conversion in IWWH

		Permanent Wetland Conversion in IWWH						Wetland Compensation Formula: Sq. Ft. of Wetland Impacted X (Natural Resource Enhancement and Restoration Cost + Assessed Land Value) x (Resource Multiplier)[1]			
			Cowardin Cover Type (Sq. Ft.)								
NECEC Project Component	Total Acres of Fill	Resource Impact (sq. ft.)	PEM	PFO	PSS	HUC8 Watershed	Bailey and Keys Ecoregion	County	Natural Resource Enhancement and Restoration Cost ($)	Assessed Land Value ($)	In-Lieu Fee ($)
Transmission	0.000	0	0	0	0	NA	Central Maine Embayment	Androscoggin	3.61	0.17	$0.00
Transmission	0.000	0	0	0	0	NA	Presumpscot River and Casco Bay	Cumberland	3.61	0.69	$0.00
Transmission	0.724	31,539	0	31,539	0	NA	Western Foothills and Central Mountains	Franklin	2.86	0.03	$54,688.63
Transmission	0.000	0	0	0	0	NA	Central Interior	Kennebec	3.61	0.16	$0.00
Transmission	0.000	0	0	0	0	NA	Midcoast Region	Lincoln	3.61	0.3	$0.00
Transmission	0.000	0	0	0	0	NA	Midcoast Region	Sagadahoc	3.61	0.27	$0.00
Transmission	1.034	45,039	0	45,039	0	NA	Western Mountains	Somerset	3.61	0.04	$98,635.41
Merrill Road Converter	0.000	0	0	0	0	Lower Androscoggin River	Central Maine Embayment	Androscoggin	3.61	0.17	$0.00
Fickett Road Substation	0.000	0	0	0	0	Presumpscot River and Casco Bay	Casco Bay Coast	Cumberland	3.61	0.69	$0.00
HDD Termination Stations	0.000	0	0	0	0	NA	Western Mountains	Somerset	3.61	0.04	$0.00
Total	**1.758 Acres**	**76,578 Sq. ft.**								**Total In-Lieu Fee**	**$153,324.04**

[1] Resource multiplier of 1 and an adjustment of 60%.

Table 1-5.9: ILF Compensation for Permanent Upland Fill in IWWH

			Wetland Compensation Formula: Sq. Ft. of Wetland Impacted X (Natural Resource Enhancement and Restoration Cost + Assessed Land Value) x (Resource Multiplier)[1]			
NECEC Project Component	**Total Acres of Fill**	**Resource Impact (sq. ft.)**	**County**	**Natural Resource Enhancement and Restoration Cost ($)**	**Assessed Land Value ($)**	**In-Lieu Fee ($)**
Transmission Structures	0.004	193	Androscoggin	0	0.17	$32.81
Transmission Structures	0.000	0	Cumberland	0	0.69	$0.00
Transmission Structures	0.000	20	Franklin	0	0.03	$0.60
Transmission Structures	0.000	0	Kennebec	0	0.16	$0.00
Transmission Structures	0.000	13	Lincoln	0	0.3	$3.90
Transmission Structures	0.000	0	Sagadahoc	0	0.27	$0.00
Transmission Structures	0.003	150	Somerset	0	0.04	$6.00
Merrill Road Converter Station	0.000	0	Androscoggin	0	0.17	$0.00
Fickett Road Substation	0.000	0	Cumberland	0	0.69	$0.00
HDD Termination Stations	0.000	0	Somerset	0	0.04	$0.00
Total	**0.009 Acres**	**376 Sq. ft.**			**Total In-Lieu Fee**	**$43.31**

[1] Resource multiplier of 1.

Table 1-5.10: ILF Compensation for Permanent Upland Conversion in IWWH

			Wetland Compensation Formula: Sq. Ft. of Wetland Impacted X (Natural Resource Enhancement and Restoration Cost + Assessed Land Value) x (Resource Multiplier)[1]			
NECEC Project Component	**Total Acres of Conversion**	**Resource Impact (sq. ft.)**	**County**	**Natural Resource Enhancement and Restoration Cost ($)[2]**	**Assessed Land Value ($)**	**In-Lieu Fee ($)**
Transmission Structures	0.356	15,529	Androscoggin	0	0.17	$1,583.96
Transmission Structures	0.000	0	Cumberland	0	0.69	$0.00
Transmission Structures	2.422	105,487	Franklin	0	0.03	$1,898.77
Transmission Structures	0.000	0	Kennebec	0	0.16	$0.00
Transmission Structures	0.000	0	Lincoln	0	0.3	$0.00
Transmission Structures	0.000	0	Sagadahoc	0	0.27	$0.00
Transmission Structures	4.925	214,517	Somerset	0	0.04	$5,148.41
Merrill Road Converter Station	0.000	0	Androscoggin	0	0.17	$0.00
Fickett Road Substation	0.000	0	Cumberland	0	0.69	$0.00
HDD Termination Stations	0.000	0	Somerset	0	0.04	$0.00
Total	**7.703 Acres**	**335,533 Sq. ft.**			**Total In-Lieu Fee**	**$8,631.13**

[1] Resource multiplier of 1 and an adjustment of 60%.

[2] For upland portions of IWWH, no restoration cost is associated with conversion impact to non-wetland resources.