



October 10, 2019

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

Mr. Bill Hinkel
Maine Land Use Planning Commission
Department of Agriculture, Conservation and Forestry
18 Elkins Lane, 22 State House Station
Augusta, Maine 04333

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 (NECEC) Project
Supplemental Information for the Merrill Strip Alternative**

Dear Mr. Beyer, Mr. Hinkel, and Mr. Clement:

Central Maine Power Company ("CMP") is resubmitting the Merrill Strip Alternative supplement, previously filed on September 18, 2019, in response to the Maine Department of Environmental Protection's ("MDEP's") October 3, 2019 additional information request ("AIR"). This submission supersedes CMP's September 18, 2019 supplemental filing to reconcile a minor survey discrepancy (explained below) and to incorporate the materials requested in the AIR. Also, as requested in paragraph 4 of the 16th Procedural Order, the information below is labeled as relevant to DEP, LUPC, or both agencies. For ease of review, a redline version of the September 18, 2019 filing is provided as an Exhibit to show the minor updates.

A draft geo-referenced survey file, used in the preparation of the initial design for the Merrill Strip Alternative, has been finalized since September 18 and is now consistent with the survey plat. As a result, the structure locations have shifted slightly. These differences are described in the following table.



Structure Number	Structure Type Change?	Structure Height Increase (ft)	Structure Location Change (ft)
3006-790	No	0.0	43.2
MS-1	No	0.0	0.2
MS-2	No	0.0	0.2
MS-3	No	0.0	0.3
MS-4	No	0.0	0.3
MS-5	No	0.0	7.2
MS-6	No	0.0	9.6
3006-798	No	-0.2	33.0

CMP has re-evaluated those chapters or sections of the Site Law and NRPA applications that require supplemental information to demonstrate the Merrill Strip Alternative's compliance with the applicable standards and has modified the submittal accordingly. Additionally, as requested in the AIR, an updated Project data .kmz file and paper copies (relevant to both DEP and LUPC) are being provided concurrently with this submittal.

The following exhibits are included with this submittal:

- Exhibit A: Project Plans
- Exhibit B: Title, Right or Interest
- Exhibit C-1: Merrill Strip Alternative – Visual Evaluation of Beattie Pond
- Exhibit C-2: Photosimulation 59 Merrill Strip Road
- Exhibit C-3: Merrill Strip Alternative – Viewshed Map
- Exhibit D: Merrill Strip Alternative – Protected Natural Resources Survey & Cultural Resources Survey Report
- Exhibit E: MHPC No Effects Letter
- Exhibit F: NECEC Compensation Summary Table
- Exhibit G: Natural Resources Tables
- Exhibit H: Redline of the 9/18 Supplemental Information for the Merrill Strip Alternative

If you have any questions regarding this submittal, please call me at (207) 629-9717 or email me at gerry.mirabile@cmpco.com.

Sincerely,



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

Enclosures (including 4 paper copies each to DEP and LUPC of the Petition to Reopen Record and the supplemental information)

cc: MDEP Service List; LUPC Service List
 File: New England Clean Energy Connect

Attachment I – Merrill Strip Alternative - Site Law Supplemental Information (Relevant to Both DEP and LUPC)

Table 1 - Summary of Supplemental Information Associated with the NECEC Site Law Application		
<i>Site Law Application Chapter & Title</i>	<i>Affects Pending Application? (Yes/No)</i>	<i>Supplemental Information Provided Below</i>
Chapter 1- Development Description	Yes	See 1.0, Exhibit A
Chapter 2- Title, Right or Interest	Yes	See 2.0, Exhibit B
Chapter 3- Financial Capacity	No	n/a
Chapter 4- Technical Ability	No	n/a
Chapter 5- Noise	No	n/a
Chapter 6- Visual Quality and Scenic Character	Yes	See 6.0, Exhibit C
Chapter 7- Wildlife and Fisheries	Yes	See 7.0, Exhibit D
Chapter 8- Historic Sites	Yes	See 8.0, Exhibit D
Chapter 9- Unusual Natural Areas	Yes	See 9.0, Exhibit D
Chapter 10- Buffers	No	n/a
Chapter 11- Soils	No	n/a
Chapter 12- Stormwater Management	No	n/a
Chapter 13- Urban Impaired Streams	No	n/a
Chapter 14- Basic Standards Submissions	Yes	See 14.0
Chapter 15- Groundwater	No	n/a
Chapter 16- Water Supply	No	n/a
Chapter 17- Wastewater Disposal	No	n/a
Chapter 18- Solid Waste	No	n/a
Chapter 19- Flooding	No	n/a
Chapter 20- Blasting	No	n/a
Chapter 21- Air Emissions	No	n/a
Chapter 22- Odors	No	n/a
Chapter 23- Water Vapor	No	n/a
Chapter 24- Sunlight	No	n/a
Chapter 25- LUPC Certification	Yes	See 25.0
Chapter 26- Notices	No	n/a
Chapter 27- Project Plans	Yes	See 27.0, Exhibit A

NECEC Site Law Supplemental Information

1.0 Development Description

The Merrill Strip Alternative is a 150-foot wide transmission line corridor that extends for approximately 1 mile across the northeast corner of Merrill Strip between Skinner and Beattie townships. See Exhibit A. This alternative is preferred to the 1.4 miles of corridor proposed through the Beattie Pond Recreation Protection (“P-RR”) subdistrict.

The 150-foot wide corridor will be cleared of capable woody vegetation and managed in a persistent early successional (i.e., scrub-shrub) habitat, consistent with the NECEC’s Vegetation Management Plans¹ to accommodate construction and maintenance of the HVDC line. The Merrill Strip Alternative will require six new structures, five of which will be direct-embed monopoles and one which will be a direct-embed two pole structure. The structures will be self-weathering steel, consistent with CMP’s original proposal, ranging in heights from 96 feet to 118.5 feet above ground level. No new abutters to the Project are created as a result of this proposed alternative.

2.0 Title, Right or Interest

CMP acquired an easement from Bayroot, LLC for the lands in Merrill Strip by deed recorded in the Franklin County Registry of Deeds and attached as Exhibit B.

6.0 Visual Quality and Scenic Character

Terrence J. Dewan & Associates (“TJD&A”) evaluated the potential visibility of the Merrill Strip Alternative by assessing potential views from two viewpoints on Beattie Pond (one in Lowelltown Twp and one in Beattie Twp) and one viewpoint on Merrill Strip Road in Merrill Strip Twp (see Exhibits C-1 and C-2). Also, as requested by Maine DEP on October 3, 2019, a Viewshed Analysis has been prepared to determine potential visibility of the Merrill Strip Alternative structures within a 5 mile Area of Potential Affect (APE). (see Viewshed Maps, Merrill Strip Twp Alternative, Exhibit C-3)

There will be minimal visibility of the Merrill Strip Alternative. The tops of two structures will be slightly visible from a very limited area (approximately 8% of the pond) on the northern shore of Beattie Pond. Due to the distance at which the structures may be potentially visible from within the area (approximately 0.76 mile to nearly one mile) and the use of self-weathering steel, the overall visual impact to the pond will be minimal and the impact to recreational users of the pond will be negligible. The Alternative route will result in an increased visual buffer and further reduce the visual impact on Beattie Pond when compared to the previous route through the Beattie Pond P-RR subdistrict. (See Photosimulation 60 on page 9 and comparison on page 10 of Exhibit C-1).

¹ NECEC Plan for Protection of Sensitive Natural Resources During Initial Vegetation Clearing (VCP) and NECEC Post-Construction Vegetation Maintenance Plan (VMP), both submitted to MDEP and LUPC on January 30, 2019.

TJD&A based their conclusions regarding the potential visual impact on Beattie Pond on the visual evaluations and photosimulation completed from two locations on the northern shoreline of the Pond. Visual Evaluation from Viewpoint 1 uses the same photographs from the Pond as were used in developing the photosimulations for the original NECEC route alignment through the Beattie Pond P-RR subdistrict. Viewpoint 1 is on the northeastern end of the pond looking southeast to southwest, from within the area of potential visibility of the transmission line. However, no structures, conductors or shield wires will be visible from Viewpoint 1 due to intervening topography and vegetation. After completing the Viewshed Analysis (Exhibit C-3), an additional viewpoint (Viewpoint 2), located 650 feet southwest of Viewpoint 1, was evaluated within the area of potential project visibility. A 3D computer model, overlaid on the photographs, demonstrates how intervening topography and/or vegetation will screen the majority of the structures, conductors, and shield wires with the exception of the tops of Structures MS-5 and MS-6. The structures will be slightly visible between tops of trees at distances of 0.82 and 0.87 miles from the viewpoint. (See Exhibit C-1).

The Merrill Strip Alternative will also be visible over recently harvested commercial forest areas directly adjacent to Merrill Strip Road, and potentially from harvested areas west of Mud Pond, and strip cuts west of Beattie Pond/south of Lowelltown Road (See Exhibit C-3: Map MS-1: Landcover Viewshed Analysis). The areas of potential visibility within harvested areas do not contain publicly accessible trails, so a recreational user would likely only see the Alternative route when driving on Merrill Strip Road. Merrill Strip Road is a private forest management road located south of Beattie Pond and is roughly parallel to the proposed alternative alignment for approximately 1.4 miles. Photosimulation 59 was developed to show the degree of Project visibility expected along the road closest to the Alternative route. The selected viewpoint looks over a regenerating timber harvesting laydown area approximately 500 feet from the alternative easement area, with intervening vegetation currently averaging 20 to 30 feet in height, and therefore reflects an area with the highest potential for visibility along the road. Two structures and associated conductors and shield wires would be visible from this viewpoint, the closest structure being 625 feet from the viewpoint. The limited overall visibility, short duration of exposure along the road, and the commercial nature of the setting within which a recreational user would encounter the Alternative, will result in minimal overall visual impact (See Exhibit C-2).

The Viewshed Analysis prepared to determine potential visibility of the Merrill Strip Alternative structures within a 5 mile Area of Potential Affect (APE) is based on a Digital Terrain Model (DTM) and Digital Surface Model (DSM) processed at 10-foot resolution from first return LIDAR point cloud data acquired from the USGS National Map, collected in 2016 and published in 2017. As noted above, the viewshed analysis indicated potential visibility from a small area near the northern shoreline of Beattie Pond, near Merrill Strip Road, and from two additional harvested areas.

Based on the NRPA Chapter 315 regulations and the Site Law Chapter 375.14 standards, visual impacts associated with the proposed Merrill Strip Alternative will not adversely affect scenic

character and will not unreasonably interfere with existing scenic, aesthetic, recreational, or navigational uses.

7.0 Wildlife and Fisheries

Potential wildlife and fisheries impacts of the NECEC Project have been thoroughly assessed. TRC Companies (“TRC”), on behalf of CMP, completed surveys for protected natural resources including rare, threatened, or endangered species (“RTE species”) and significant wildlife habitat along the route of the Merrill Strip Alternative. The letter report, *Merrill Strip Alternative - Protected Natural Resources & Cultural Resources Survey* (“TRC Survey Report”), dated September 18, 2019 and attached as Exhibit D, concludes that there is no significant wildlife habitat, *i.e.*, there are no deer wintering areas, significant vernal pools, bald eagle nest sites or inland waterfowl and wading bird habitat, or suitable habitat for RTE species along the Merrill Strip Alternative.

8.0 Historic Sites

TRC consulted with Dr. Art Spiess of the Maine Historic Preservation Commission (“MHPC”), for any known cultural resources in the vicinity of the Merrill Strip Alternative. On September 11, 2019, Mr. Spiess confirmed that no documented archeological sites exist within 12 km of the study area.

TRC completed a Phase 0/1A survey for pre- and post-contact archaeological resources on the Merrill Strip Alternative in consultation with MHPC. The TRC Survey Report concludes that this alternative route does not include any areas or conditions of archaeological sensitivity and did not recommend any additional archaeological investigations. Please see Exhibit D for the TRC Survey Report. The MHPC has since reviewed and concluded that there will no historic properties affected by the Merrill Strip Alternative. See Exhibit E.

9.0 Unusual Natural Areas

TRC’s September 2019 survey included the assessment for rare plants or unusual natural areas along the Merrill Strip Alternative. The TRC Survey Report concludes, “Suitable conditions or habitats were not found within the Alternative Corridor for RTE flora and fauna.” Please see Exhibit D for additional details.

14.0 Basic Submission Standards

CMP will implement best management practices for erosion and sedimentation control described in Chapter 14.0 of its Site Law application, last revised on January 16, 2019.

CMP has evaluated the Merrill Strip Alternative using a GIS analysis of both soil types (soils classified as highly erodible or potentially highly erodible) and percent slope (>22%) to determine areas at high risk of soil erosion². The analysis concluded that the Merrill Strip Alternative is underlain by Monarda-Telos complex (0 to 8 percent slopes, very stony) and Telos-Chesuncook association (3 to 15 percent slopes, very stony) soils, which are not classified as highly or potentially highly erodible. The majority of the Merrill Strip Alternative, except for some isolated areas, contains slopes of less than 22% (see Natural Resource Maps in Exhibit A).

² This analysis is consistent with the evaluation of areas at higher risk of erosion requested by MDEP Stormwater Engineer, Kerem Gungor in January 2018, completed by CMP for Segment 1 of the Project and submitted to the MDEP on June 29, 2018.

In summary, the GIS analysis did not identify any areas at high risk for soil erosion. Regardless, as stated in Chapter 14.0 of CMP's application, all areas will be evaluated during preconstruction walkovers with the construction contractors, the MDEP third party inspectors and environmental inspectors. Any additional high-risk areas identified by CMP environmental inspectors, MDEP third party inspectors, and/or construction management or contractor personnel, during the walkovers or during construction, will be added to the high-risk tracking table and inspected at an increased frequency.

25.0 LUPC Certification

As detailed in CMP's Site Law application, the LUPC must certify that the proposed development is an allowed use within all subdistricts within which it is proposed, and that the proposed development meets any LUPC land use standards that are applicable to the Project and that are not considered by the MDEP in its review. 38 M.R.S. § 489-A-1(2)(D)(1-A), (B-1).

The Merrill Strip Alternative is wholly located within the LUPC General Management Subdistrict (M-GN). See Exhibit A. The proposed HVDC transmission line is an allowed use in the M-GN subdistrict. CMP's easement agreement with the landowner includes the legal rights necessary to use the existing privately-owned land management roads (logging roads) to access the Project corridor in this location for both construction and maintenance. No new permanent roads will need to be built for the Merrill Strip Alternative. A portion of the existing Merrill Strip Road is located on the southern margin of the Beattie Pond P-RR subdistrict. CMP is proposing no modifications (e.g., widening) to this portion of this road.

The LUPC standards applicable to the Project, but not considered as part of MDEP's application review, include:

1. Public's Health, Safety and General Welfare, §10.24

CMP addressed public health, safety and general welfare in the Maine Public Utility Commission's ("MPUC") Certificate of Public Convenience and Necessity ("CPCN") proceeding. The MPUC is the public agency charged with ensuring safe, reasonable and adequate service by public utilities. In the course of the NECEC proceeding, the MPUC considered fire safety and emergency response. In its Final Order approving the company's petition for a CPCN, the MPUC Commissioners concluded "...the record reflects that CMP has adequately addressed such safety concerns throughout other remote areas of its existing transmission system. The Commission, therefore, finds that the NECEC does not pose a threat to public health and safety."

2. Land Division History, as required by the LUPC definition of subdivision, §10.24,F

The Merrill Strip Alternative is located within an easement conveyed by Bayroot LLC to CMP and thus will not create a subdivision. Bayroot LLC owns the entirety of Merrill Strip Township.

3. Dimensional Requirements, §10.26

The only Project facilities proposed in the Merrill Strip Alternative easement area are transmission structures and overhead wires, therefore the dimensional requirements for lot size, shoreline frontage, road frontage, and lot coverage do not apply.

Transmission line structures located within the Merrill Strip Alternative meet the minimum setbacks required by LUPC rules §10.26, D(2).

LUPC rules §10.26, F(2) states that the maximum structure height is 100 feet for commercial, industrial, and other non-residential uses involving one or more structures. As provided below, 4 of the 6 transmission line structures in the Merrill Strip Alternative exceed the maximum structure height.

Structure Number	Above Ground Height (ft)
3006-790	132.0
MS-1	118.5
MS-2	109.5
MS-3	114
MS-4	101.4
MS-5	96
MS-6	96
3006-798	101.2

Structure heights are necessitated by a number of parameters governed by the safety standards of the National Electrical Safety Code (“NESC”). Specifically, for its safe operation, the transmission line must be designed in a manner that provides adequate clearance (separation) from the ground and vegetation to the transmission line at maximum sag conditions. Structures are located, to the extent practicable, in a manner that avoids and spans protected natural resources. Additionally, topographic constraints and the span length needed to place structures outside of sensitive areas often requires transmission line structures to be taller than 100 feet.

Transmission line structures are freestanding and contain no “floor area.” LUPC rules §10.26, F(3) provides that features of structures which contain no floor area such as freestanding towers and turbines may exceed these maximum heights with the Commission's approval.

4. Vehicular Access, Circulation and Parking, §10.24,B and §10.25,D

Access to the Merrill Strip Alternative will be through the use of existing privately-owned land management roads and one skidder trail that will be restored following construction. Temporary access through the Merrill Strip Alternative will need to be established for vegetation clearing and construction within the corridor. However, these temporary access roads will be restored to pre-existing contours and revegetated once construction is complete and final restoration has been accomplished. No new permanent roadways will be developed and project construction and maintenance related parking would be in upland locations within the Project corridor.

5. Lighting, §10.25,F

There will be no permanent lights installed on transmission line structures in LUPC jurisdiction. Some temporary nighttime lighting may be necessary during construction of the Project.

6. Activities in Flood Prone Areas, §10.25,T

The proposed Merrill Strip Alternative is not located in flood prone areas, including areas of special flood hazard, as identified by Flood Prone Protection (P-FP) subdistricts or Federal Emergency Management Agency (FEMA) Flood Boundary and Floodway, Flood Hazard Boundary or Flood Insurance Rate Maps (FIRM).

7. Vegetation Clearing, §10.27,B

The 150-foot-wide Merrill Strip Alternative will need to be cleared of capable woody vegetation. As stated previously, the transmission line is an allowed use in the M-GN subdistrict. Due to the nature of the Project, the buffer strips identified in LUPC §10.27, B will be retained, but the Project cannot conform to the selective cutting requirements associated with the maintenance of vegetation (§10.27, B, 2) due to NESC requirements described in Section 2 above. The Project will maintain vegetative buffers in all scenarios, but these buffers will not include capable vegetation that could grow to heights that would intrude into the conductor safety zone of the transmission line. Vegetation clearing activities not in conformance with the standards of §10.27, B may be allowed upon issuance of a permit from the Commission provided that such types of activities are allowed in the subdistrict involved.

8. Pesticide Application, §10.27,I

CMP's commitment to not use herbicides within the 53.5 miles of new corridor in Segment 1 of the Project, including the Merrill Strip Alternative, is unaltered by this submittal.

9. Signs, §10.27,J

No permanent signs are proposed as a part of this Project within LUPC jurisdiction. Traffic control signs and directional signs related to Project construction will be limited and temporary; this signage does not require a permit from the LUPC, provided such signs are in conformance with the requirements of §10.27, J(1) and (2).

27.0 Project Plans

Natural resources maps with topographic contour lines and percent slope, and a USGS Location Map, are provided in Exhibit A. No other map updates are required as a result of the Merrill Strip Alternative.

**Attachment II – Merrill Strip Alternative -NRPA Supplemental Information
(Relevant to Both DEP and LUPC)**

<i>Table 2 - Summary of Supplemental Information Associated with the NECEC NRPA Application</i>		
<i>NRPA Section & Title</i>	<i>Affects Pending Application? (Yes/No)</i>	<i>Supplemental Information Provided Below</i>
Section 1- Project Description	Yes	See 1.0 of the Site Law Supplement
Section 2- Alternative Analysis	Yes	See 2.0
Section 3- USGS Map	Yes	See Exhibit A
Section 4- Photographs	Yes	See 4.0
Section 5- Project Plans	Yes	See Exhibit A
Section 6- Additional Plans	No	n/a
Section 7- Construction Plan	No	n/a
Section 8- Erosion Control Plan	No	n/a
Section 9- Site Conditions	Yes	See 9.0
Section 10- Public Notice	No	n/a
Section 11- Maine Historic Preservation Commission and Outreach to Indian Tribes	Yes	See 11.0; Exhibit D
Section 12- Wetland Functions and Values Assessment	No	See 12.0
Section 13- Compensatory Mitigation	Yes	See 13.0

NECEC NRPA Supplemental Information

2.0 Alternatives Analysis

As described in CMP's applications filed in September 2017, CMP evaluated alternatives where impacts to LUPC subdistricts requiring special exception approval could not be avoided, including the P-RR subdistrict at Beattie Pond in Beattie Township.

The Merrill Strip Alternative, which until very recently was not reasonably available to CMP, will completely avoid the Beattie Pond P-RR. Because this preferred alternative is not located in an LUPC subdistrict that requires special exception review, the Commission need not consider whether there is an alternative site to the Merrill Strip Alternative which is both suitable to the proposed use and reasonably available to the applicant.

Further, as shown below, environmental impacts associated with the Merrill Strip Alternative are significantly less than those associated with the alignment through the Beattie Pond P-RR subdistrict.

Route	Number of Significant Vernal Pools	Number of Wetlands	Wetland Area (sq. ft.)	Temporary Wetland Impact (sq. ft.)	Permanent Wetland Fill (sq. ft.)	Forested Wetland Conversion (sq.ft)
Merrill Strip Alternative	0	8	31,458	0	0	7,933
Beattie Pond P-RR Alternative	1	16	139,742	3,049	0	20,836

As a result, the Merrill Strip Alternative is the preferred alternative when compared to the alignment through the Beattie Pond P-RR subdistrict. The Merrill Strip Alternative would result in an increase in cost to the Project of approximately \$950,000.

4.0 Photographs

Representative photographs of the Merrill Strip Alternative are included in TRC's Survey Report, Exhibit D.

9.0 Site Conditions

As described in Exhibit D, natural resource surveys on the Merrill Strip Alternative corridor were performed during the original field survey effort by Boyle Associates, Inc. to support CMP's applications filed in September 2017. The methodology implemented during this effort is described

in Section 9.2 of CMP’s NRPA application. Wetlands associated with the Merrill Strip Alternative are described in the table below. Representative descriptions for each wetland type identified on the Merrill Strip Alternative have been previously provided in Section 9.3.3.1 of CMP’s NRPA application. For more information regarding site conditions please refer to TRC’s September 18, 2019 Survey Report, Exhibit D.

Wetland ID	Wetlands of Special Significance (Y/N)	National Wetland Indicator Classification
WET-04-07	N	PSS
WET-04-08	N	PEM
WET-MS-03-01	N	PFO01
WET-MS-04-04	N	PEM
WET-MS-04-05	N	PEM
WET-MS-04-06	N	PFO01/4E
WET-MS-04-07	N	PEM
WET-MS-04-08	N	PEM

11.0 MHPC and Outreach to Indian Tribes

Please see TRC’s September 18, 2019 Survey Report, Exhibit D.

12.0 Wetland Functions and Values Assessment

CMP’s application includes a functions and values assessment associated with project impacts specific to the wetland types that would be impacted by vegetation clearing and transmission line installation. All wetland types identified on the Merrill Strip Alternative have previously been assessed. As a result, the Wetlands Functions and Values Assessment submitted for the Project applies to the Merrill Strip Alternative and remains unchanged.

13.0 Compensatory Mitigation

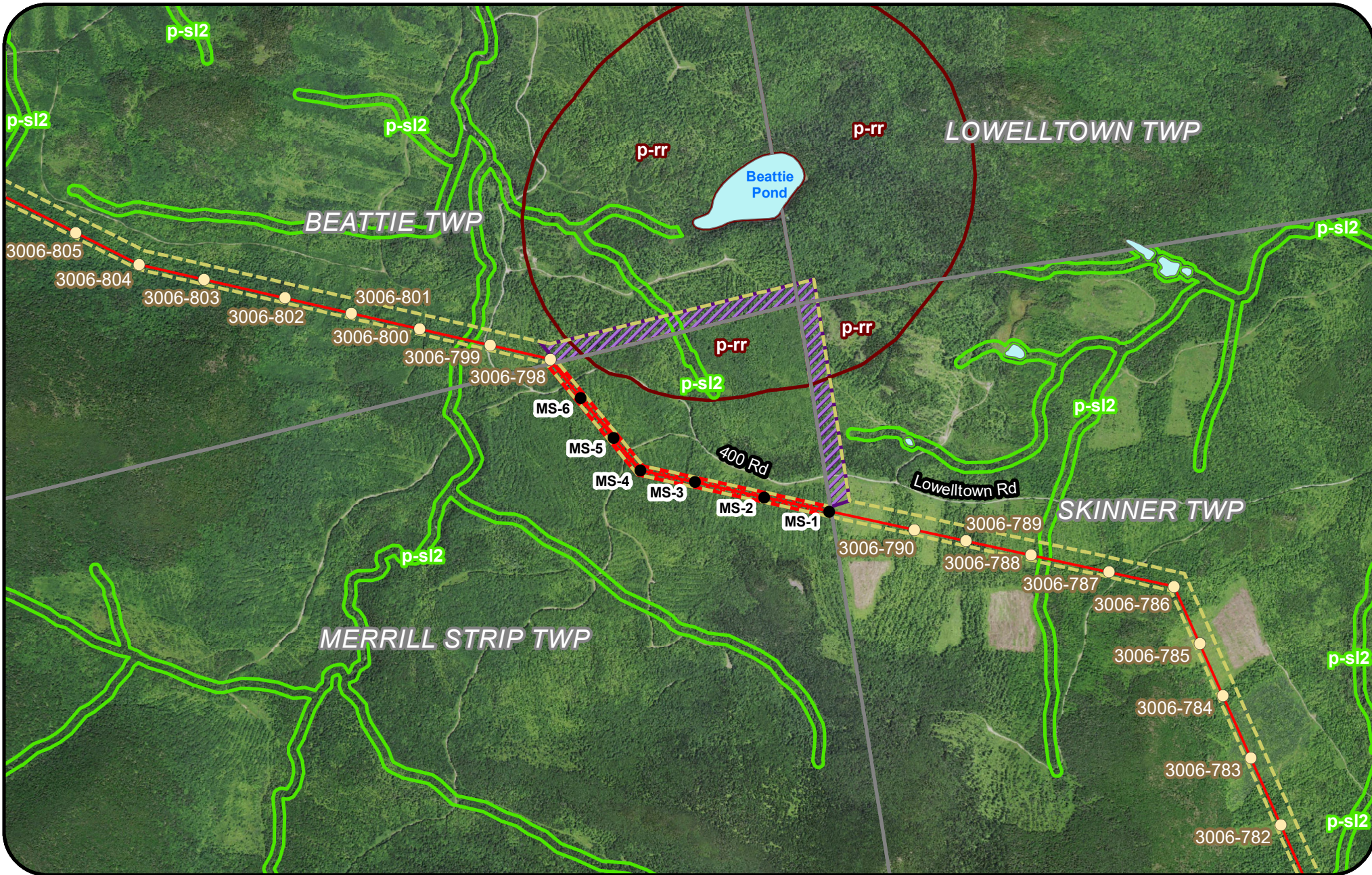
The Merrill Strip Alternative will reduce wetland impacts and vernal pool impacts. Specifically, there will be a 977 square foot (0.02 acre) net reduction in temporary fill in Palustrine Scrub-Shrub (“PSS”) wetlands and a 12,902 square foot (0.30 acre) net reduction in permanent forested wetland conversion. In the NECEC Compensation Plan, submitted January 30, 2019, CMP proposed land preservation to compensate for impacts associated with temporary fill in PSS wetland and permanent forested wetland conversion. Despite the reduction in wetland impacts resulting from the Merrill Strip Alternative, the area of land preservation proposed to mitigate impacts to these resources remains unchanged.

CMP proposed an In-Lieu Fee (“ILF”) for temporary fill in Palustrine Emergent (“PEM”) wetlands. As a result of the Merrill Strip Alternative realignment, there will be a net reduction of 1,147 square feet of temporary fill in PEM wetlands. Additionally, one significant vernal pool, also jurisdictional under the USACE, no longer requires compensation as a result of the Merrill Strip Alternative

realignment. This warrants reduction to the ILF of \$27,767.69, resulting in a balance of the proposed In-Lieu Fee for the Project of \$3,046,648.37. No other changes to the NECEC Compensation Plan are proposed or necessary as a result of the Merrill Strip Alternative.

Please see Exhibit F for the NECEC Compensation Summary Table and Exhibit G for the Natural Resources Tables. These exhibits incorporate the changes proposed as a result of the Merrill Strip Alternative realignment.

Exhibit A
Project Plans



Legend

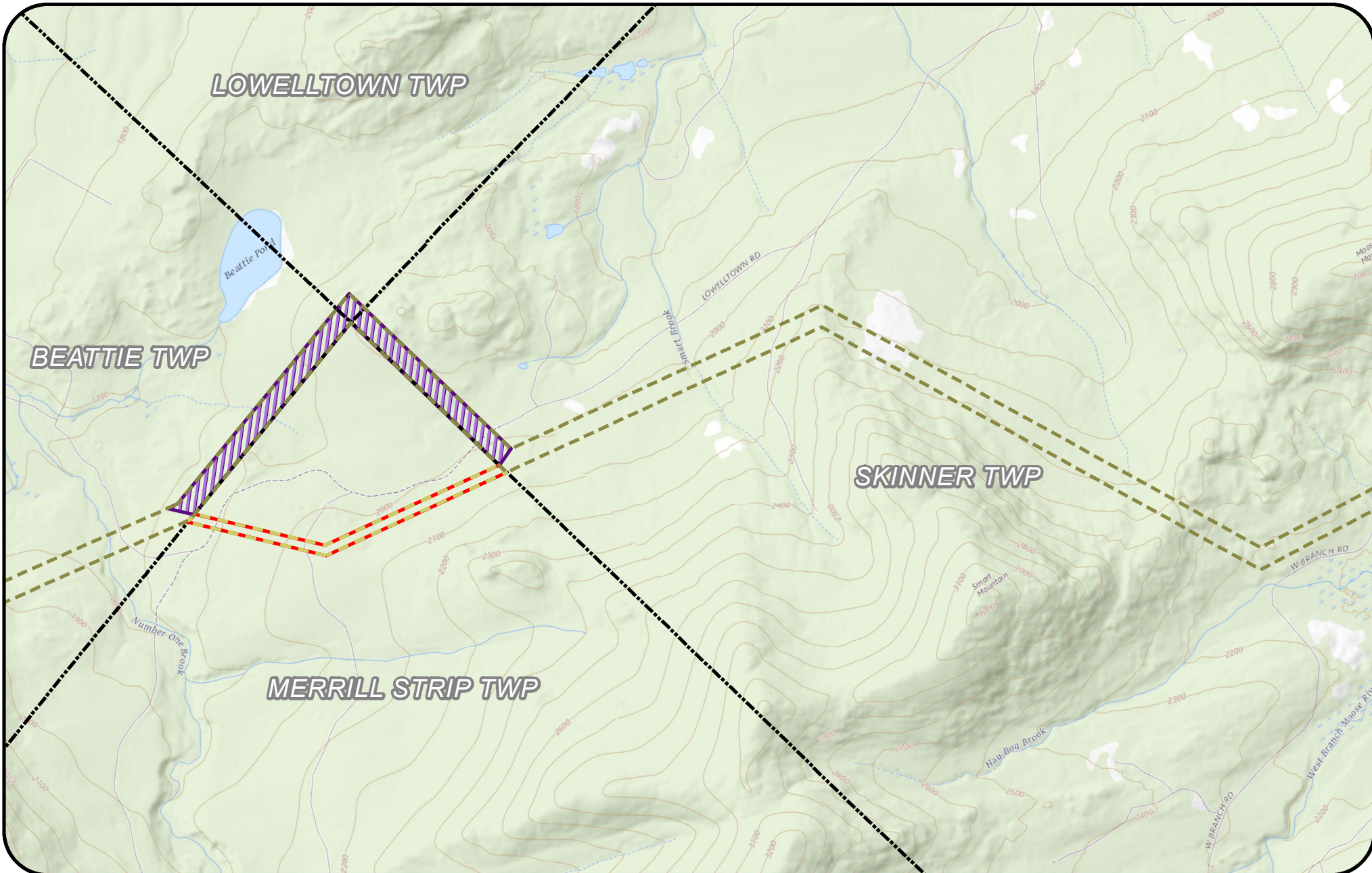
CMP Ownership / Easement Extent	NECEC Centerline	LUPC Zone	p-fw	p-sg
Merrill Strip Alternative	Proposed Structures	d-gn	p-gp	p-sl1; p-sl2
Beattie Pond P-RR Route	Merrill Strip Alternative Proposed Structures	d-rs	p-ma	p-w1; p-w1low; p-w2; p-w3
Town Boundary		p-fp	p-rr; p-rr200	

New England Clean Energy Connect

Merrill Strip Alternative LUPC Zones

2,100 Feet

CENTRAL MAINE POWER



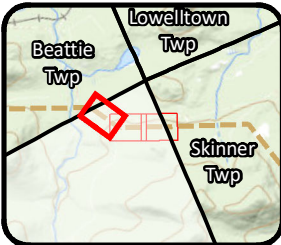
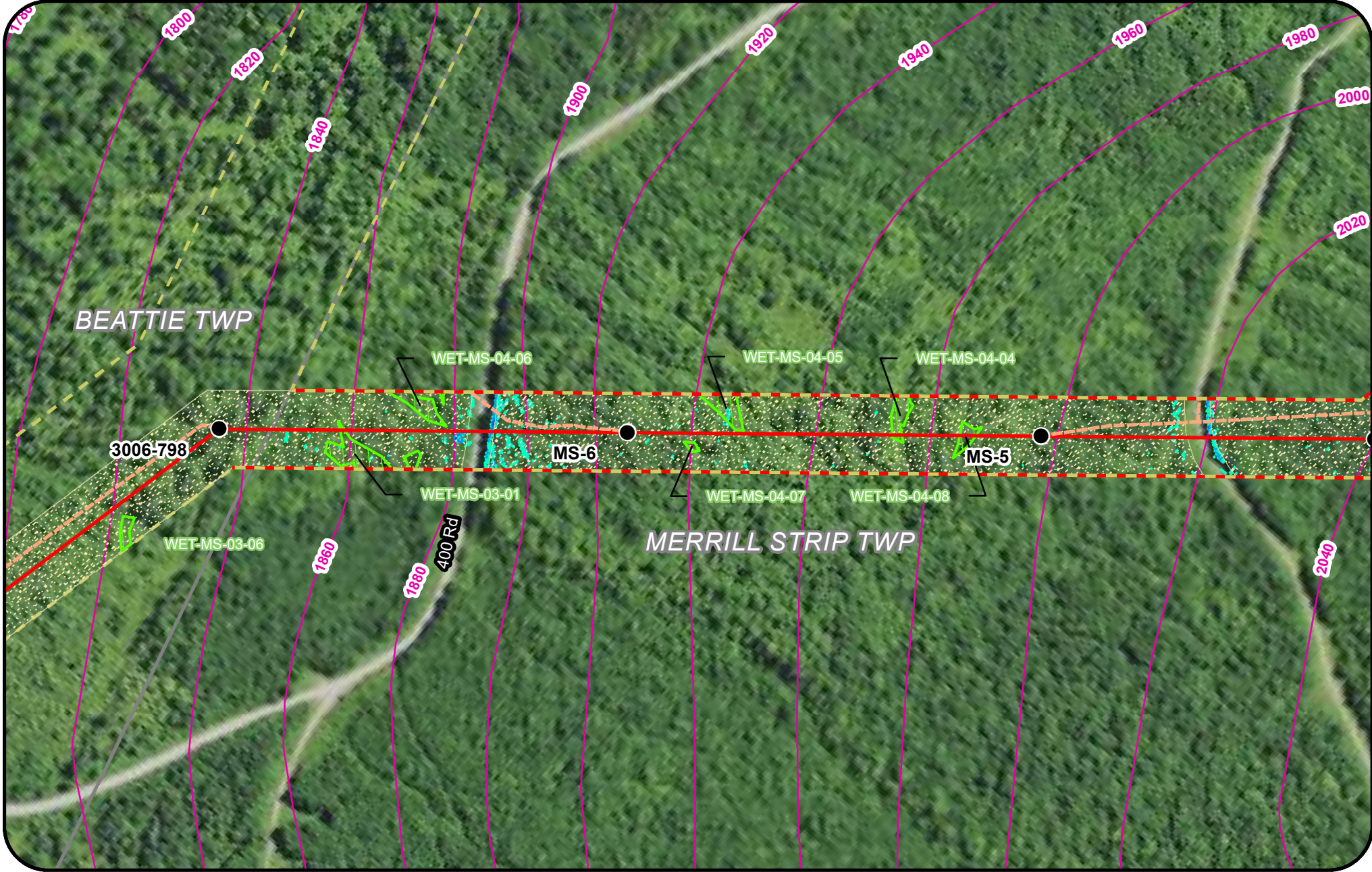
Legend

- CMP Ownership / Easement Extent
- Merrill Strip Alternative
- Beattie Pond P-RR Route
- Town Boundary

USGS Quad(s) :
Kibby Mountain, Skinner, Merrill Mountain, Boundary Pond

New England Clean Energy Connect
USGS Series Segment 1
2,000 Feet

CENTRAL MAINE POWER



Legend

- Clearing Limits
- CMP Ownership / Easement Extent
- Merrill Strip Alternative
- Town Boundary

- NECEC Centerline
- MerrillStripAccessRoads_with30
- Merrill Strip Alternative Proposed Structures
- Stream
- Contour Lines

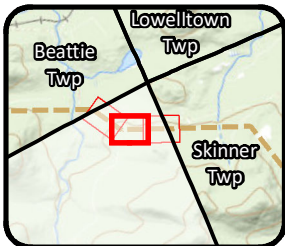
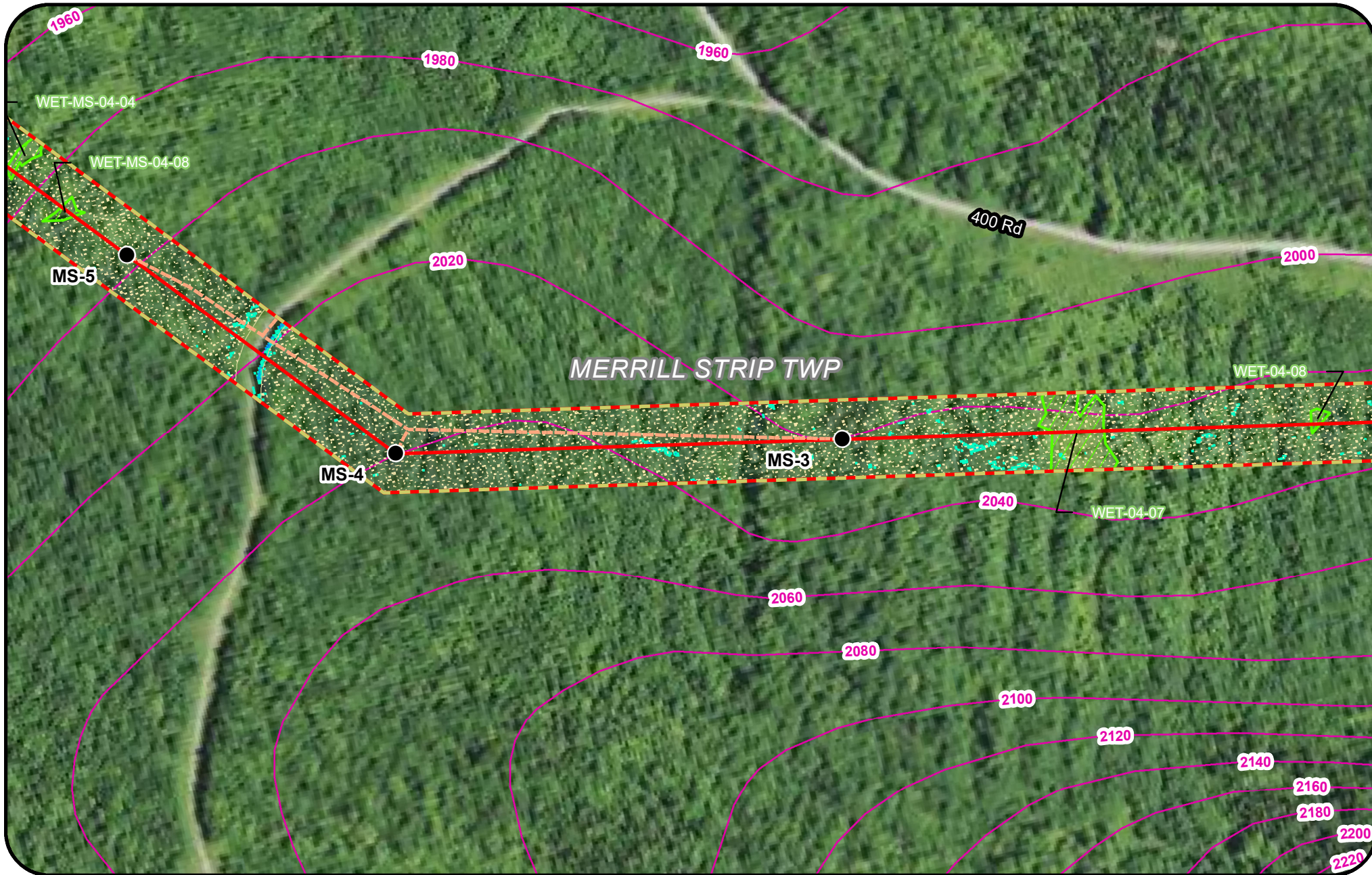
- Wetland
- Rare Plant (Polygon)
- Rare Plant (Point)
- SVP/ PSVP
- USACE Vernal Pool
- T and E Species

- Deer Wintering Area (DWA)
- Tidal Waterfowl Wading Bird Habitat (TWWH)
- Inland Waterfowl and Wading Bird Habitat (IWWH)
- SVP and PSVP Buffer (250')

- Percent Slope
- < 22%
 - 23 - 30%
 - 31 - 40%
 - 41 - 50%
 - > 50%

New England Clean Energy Connect
 Natural Resource Maps
 Segment 1
 250
 Feet

CENTRAL MAINE POWER

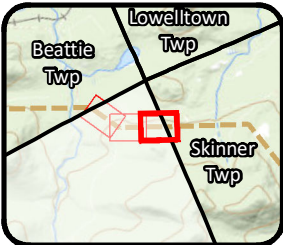
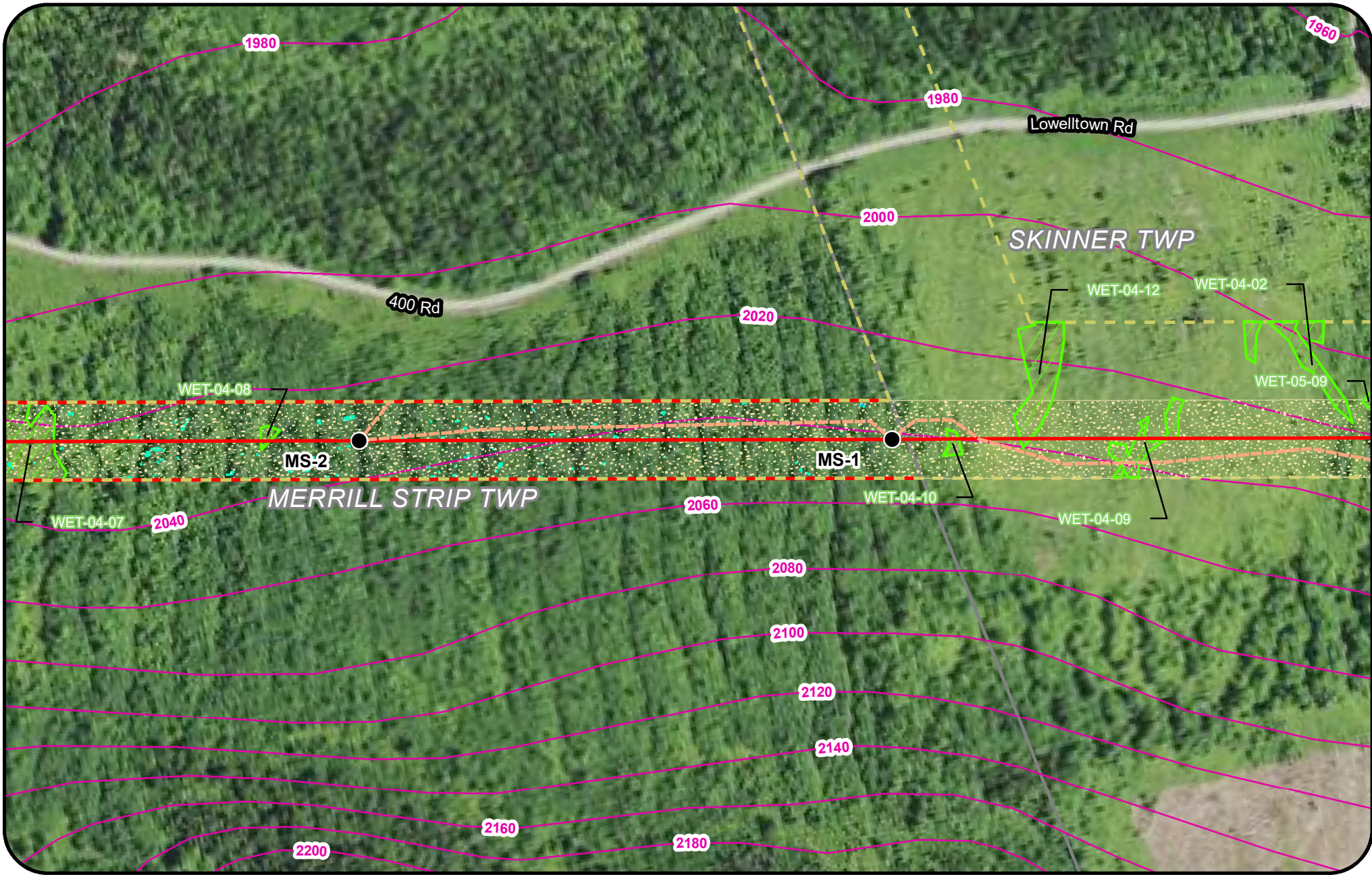


Legend

Clearing Limits	NECEC Centerline	Wetland	Deer Wintering Area (DWA)	Percent Slope <ul style="list-style-type: none"> < 22% 23 - 30% 31 - 40% 41 - 50% > 50%
CMP Ownership / Easement Extent	Merrill Strip Access Roads_within30	Rare Plant (Polygon)	Tidal Waterfowl Wading Bird Habitat (TWWH)	
Merrill Strip Alternative	Merrill Strip Alternative Proposed Structures	Rare Plant (Point)	Inland Waterfowl and Wading Bird Habitat (IWWH)	
Town Boundary	Stream	SVP/ PSVP	SVP and PSVP Buffer (250')	
	Contour Lines	USACE Vernal Pool		

New England Clean Energy Connect
 Natural Resource Maps
 Segment 1
 250 Feet

CENTRAL MAINE POWER
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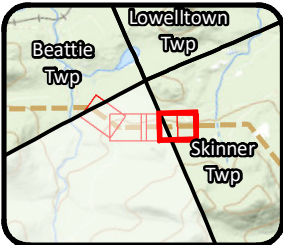
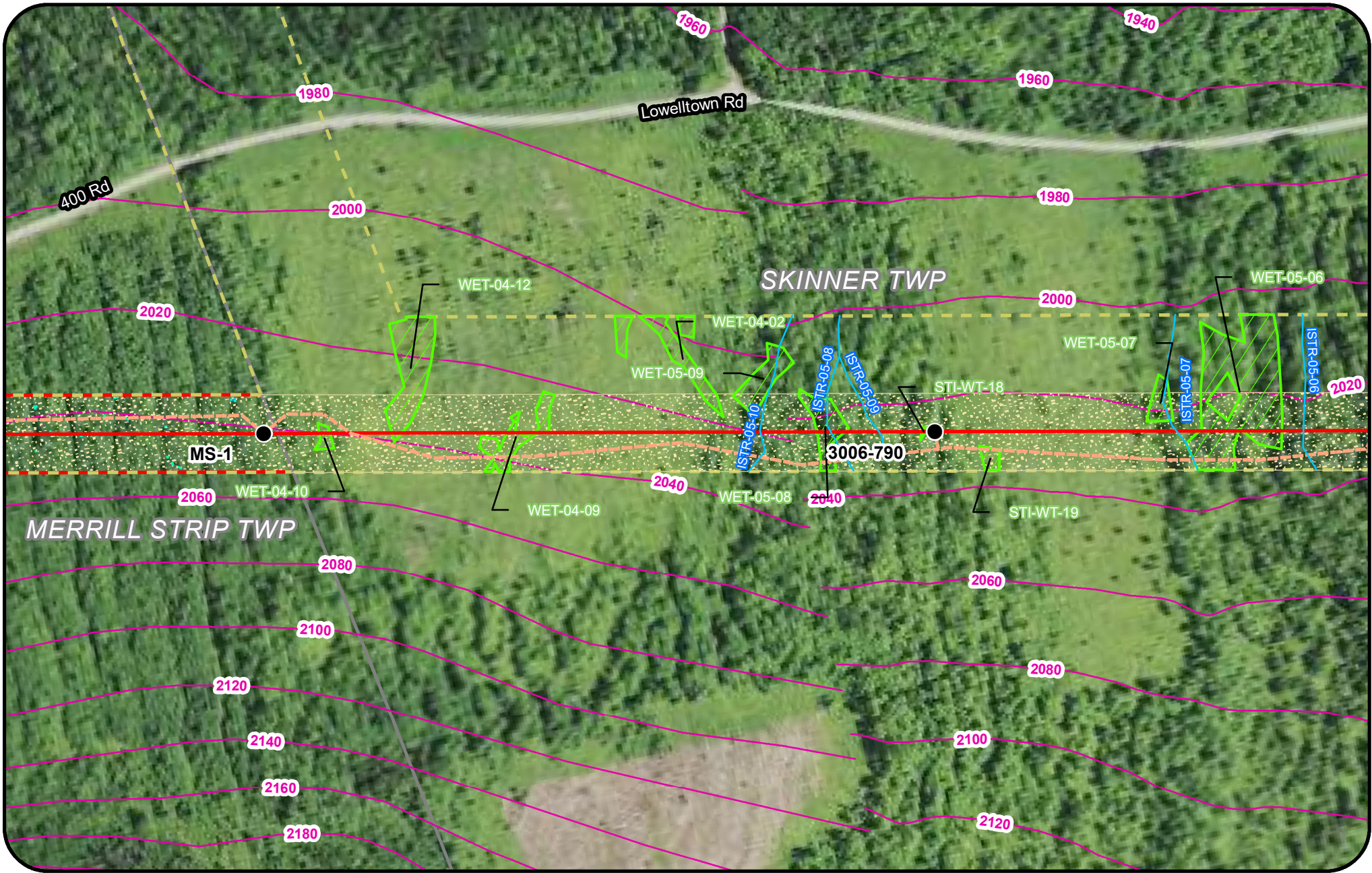


Legend

Clearing Limits	NECEC Centerline	Wetland	Deer Wintering Area (DWA)	Percent Slope < 22% 23 - 30% 31 - 40% 41 - 50% > 50%
CMP Ownership / Easement Extent	MerrillStripAccessRoads_with30	Rare Plant (Polygon)	Tidal Waterfowl Wading Bird Habitat (TWWH)	
Merrill Strip Alternative Proposed Structures	Merrill Strip Alternative	Rare Plant (Point)	Inland Waterfowl and Wading Bird Habitat (IWWH)	
Town Boundary	Stream	SVP/ PSVP	SVP and PSVP Buffer (250')	
Contour Lines	USACE Vernal Pool	T and E Species		

New England Clean Energy Connect
 Natural Resource Maps
 Segment 1
 250 Feet

CENTRAL MAINE POWER



Legend

Clearing Limits	NECEC Centerline	Wetland	Deer Wintering Area (DWA)	Percent Slope < 22% 23 - 30% 31 - 40% 41 - 50% > 50%
CMP Ownership / Easement Extent	MerrillStripAccessRoads_with30	Rare Plant (Polygon)	Tidal Waterfowl Wading Bird Habitat (TWWH)	
Merrill Strip Alternative	Merrill Strip Alternative Proposed Structures	Rare Plant (Point)	Inland Waterfowl and Wading Bird Habitat (IWWH)	
Town Boundary	Stream	SVP/ PSVP	SVP and PSVP Buffer (250')	
Contour Lines	USACE Vernal Pool	T and E Species		

New England Clean Energy Connect
 Natural Resource Maps
 Segment 1
 250 Feet

Page 4 of 4 10/9/2019

Exhibit B
Title, Right or Interest

TRANSMISSION CORRIDOR EASEMENT

THIS EASEMENT is granted and conveyed by **BAYROOT LLC**, a Delaware limited liability company with a mailing address of 150 Orford Road, P.O. Box 160, Lyme NH 03768 ("Grantor"), to **CENTRAL MAINE POWER COMPANY**, a Maine Corporation with a place of business at 83 Edison Drive, Augusta, Kennebec County, Maine 04336 ("Grantee").

WHEREAS, Grantor is the owner of certain lands in Merrill Strip Township, T2 R7 WBKP, Franklin County, Maine conveyed to Grantor by deed recorded in Book 2387, Page 196 of the Franklin County Registry of Deeds; and

WHEREAS, Grantee desires to use a portion of such lands for purposes of preparing, laying, constructing, maintaining, operating, altering, improving and repairing a single 320 kV transmission line extending from land of Grantee located in Skinner Township, T1 R7 WBKP, conveyed to Grantee by the deed recorded in Book 3872, Page 103 of said Registry westerly and northwesterly to land of the Grantee located in Beattie Township, T2 R8 WBKP conveyed to Grantee by deed recorded in Book 3902, Page 329 of said Registry, in accordance with the terms set forth below (the "Permitted Use"), which portion is more generally depicted on the reduced copy of the survey more particularly bounded and described below and attached hereto as Schedule A, and which portion is hereinafter referred to as the "Transmission Corridor Easement Property."

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) cash in hand paid, and other good and valuable considerations, receipt of which is hereby acknowledged, Grantor hereby grants and conveys to Grantee, its successors and assigns, with Quitclaim Covenant (effective as of the time of delivery hereof), a non-exclusive easement (the "Transmission Corridor Easement") over and upon the Transmission Corridor Easement Property, for the following purposes:

- a. to use existing roads within and proximate to the Transmission Corridor Easement Property to provide access for people, vehicles, tools or machinery to the Transmission Corridor Easement Property for the purposes described herein;
- b. to enter upon the Transmission Corridor Easement Property at any time with people, vehicles and all necessary tools and machinery for the purposes described herein;
- c. to clear and keep the Transmission Corridor Easement Property cleared by any lawful means of trees, undergrowth and all other obstructions;
- d. to erect, construct, reconstruct, replace, remove, maintain, repair, rebuild, re-space, operate, use, and patrol a single 320 kV energy transmission line, including suitable and sufficient poles, towers, wires, switches, and other above-ground structures and apparatus used or useful for the above-ground transmission of

- electricity, together with all necessary fixtures, anchors, guys, crossarms, and other equipment and appurtenances, and, without limiting the foregoing, for all Utility Services defined in accordance with 33 M.R.S.A. Section 458 pertaining to electricity, over, under and across the Transmission Corridor Easement Property;
- e. to transmit electricity over said transmission line for such lawful purposes as the Grantee, its successors and assigns, may from time to time reasonably require to execute the Permitted Use;
 - f. to establish any and all safety and reliability rules which Grantee deems necessary and proper, in its reasonable discretion, for the safe and reliable construction, operation, and maintenance of said structures, wires, and apparatus and the transmission of electricity; and
 - g. to erect and maintain signage, gates, and other barriers within the Transmission Corridor Easement Property as are reasonably necessary to restrict recreational vehicles or other public access onto or within the Transmission Corridor Easement Property, except as permitted on and across any crossings contemplated in Section 5 below.

The Transmission Corridor Easement shall be exercised within the Transmission Corridor Easement Property, being a corridor of land one hundred fifty (150) feet in width, together with an additional non-exclusive easement area thirty (30) feet wide extending one-hundred (100) feet in either direction from the southerly side of the angle point in the Transmission Corridor Easement for the purpose of installing, maintaining, repairing and replacing guy anchors, guy rods and guys and to keep as much of such area clear of vegetation as necessary (the "Guy Easement"), all as shown on a survey prepared for the Grantee by Sackett & Brake, Inc., dated July 25, 2019, plan number 2019163 and recorded in the Franklin County Registry of Deeds on substantially even date herewith, a reduced copy of which is attached hereto as Schedule A and made a part hereof (the "Survey") and as more particularly bounded and described in Schedule B attached hereto and made a part hereof.

GENERAL CONDITIONS

It is expressly understood that the foregoing easement rights, including but not limited to the above Guy Easement, are granted to Grantee subject to the following conditions, limitations and stipulations:

1. Permitted Use. Grantor conveys the Transmission Corridor Easement to Grantee only for the Permitted Use and related uses described above and hereby expressly reserves any and all other rights to the properties encumbered hereby. No other use of any kind by Grantee of the easement rights or the lands described herein will be permitted by Grantor nor may be

authorized or permitted by Grantee. This conveyance is executed and delivered by Grantor without representation or warranty, express or implied, as to the condition of the property or property interest hereby conveyed or as to its fitness, merchantability or suitability for the use or uses permitted hereby or otherwise or as to the existence, non-existence, extent or nature of defects of any kind or character therein or thereon and whether patent or latent.

2. Compliance with Laws. Grantee shall comply, at Grantee's expense, with all applicable permits, licenses, laws, regulations, rules and orders with respect to Grantee's exercise of the easements granted hereunder, and all related equipment, electricity, materials and improvements constructed or operated by Grantee hereunder, regardless of when they become effective. Grantee assumes the full responsibility of obtaining any and all required permits or licenses necessary for its exercise of the easements granted hereunder, and shall fully comply with all of the applicable permits, licenses, laws, rules, regulations, and requirements of any government, authority, agency, commission, or regulatory body ("governmental authority"), particularly (by way of example and not limitation) as the same may relate to protection of the environment, water, and air and the prevention of forest fires. If (a) Grantor or Grantee shall receive notice from any such government authority of any failure by Grantee to comply with such permits, licenses, laws, regulations, rules and orders in connection with Grantee's exercise of the easements granted hereunder (a "Violation"), and (b) Grantee shall fail to cure such Violation within ninety (90) days after Grantee receives written notice of such Violation from Grantor or any such government authority or within such other time period as may be required under such written notice by any such governmental authority, then Grantor, at its option, shall have the right to temporarily suspend Grantee's activities hereunder until Grantee provides Grantor with evidence of compliance acceptable to Grantor; provided, however, that if a timely good-faith application or appeal is made by Grantee with respect to a Violation and is pending on said deadline, then Grantor shall not exercise any such right to temporarily suspend Grantee's activities until a final administrative decision has been made on such application or appeal, so long as Grantee ceases any ongoing activities which are asserted by such governmental authority to constitute a Violation.
3. Indemnification. Except to the extent arising from the negligence or willful misconduct of Grantor (or Grantor's employees, agents, or independent contractors), Grantee shall defend, indemnify and hold harmless Grantor from and against any and all losses, liabilities, damages, claims, demands, actions, judgments, fines, penalties, costs (but specifically not including costs of defense, and attorneys' and professionals' fees incurred in defense or incurred in enforcement of this indemnity, and any consequential or incidental damage claims) and expenses arising in connection with: (a) Grantee's exercise or non-exercise of its rights under the Transmission Corridor Easement, including, but not limited to, the use of the Transmission Corridor Easement Property by Grantee, its employees, agents, and independent

contractors, (b) Grantee's failure to comply with applicable permits, licenses, laws, regulations, rules and orders (including, without limitation, those of any federal or state Environmental Protection Agency or any other federal or state environmental, air, water or land protection agency) relating to Grantee's use of the Transmission Corridor Easement or Transmission Corridor Easement Property, or (c) any lien on any of Grantor's property, including but not limited to the Transmission Corridor Easement Property, arising in connection with Grantee's operations. The obligations herein shall survive any termination of this Transmission Corridor Easement.

Except to the extent arising from the negligence or willful misconduct of Grantee (or Grantee's employees, agents, or independent contractors), Grantor shall defend, indemnify and hold harmless Grantee from and against any and all losses, liabilities, damages, claims, demands, actions, judgments, fines, penalties, costs (but specifically not including costs of defense, and attorneys' and professionals' fees incurred in defense or incurred in enforcement of this Indemnity, and any consequential or incidental damage claims) and expenses arising in connection with: (i) the use of the Transmission Corridor Easement Property by Grantor, its employees, agents, and independent contractors, or (ii) Grantor's failure to comply with applicable laws, regulations, rules and orders (including, without limitation, those of any federal or state Environmental Protection Agency or any other federal or state environmental, air, water or land protection agency) relating to Grantor's use of the Transmission Corridor Easement Property.

4. Property Taxes. Grantee shall be responsible for any increase in real and personal property taxes assessed against Grantor or lands of Grantor, and shall be responsible for any personal property taxes assessed against Grantee, resulting from (a) personal property of Grantee, or (b) improvements made by Grantee to the Transmission Corridor Easement Property. Grantee shall be responsible for any penalties arising from withdrawal of any portion of the Transmission Corridor Easement Property or any other lands of Grantor classified under the Maine Tree Growth Tax Law or any similar tax classification arising from the conveyance of or exercise of rights pursuant to this easement, or any other action taken by Grantor or Grantee relating to the Transmission Corridor Easement Property. The obligations herein shall survive any termination of this Transmission Corridor Easement.
5. Transmission Corridor Easement Property Crossings.
 - a. *Existing Crossings.* Grantor reserves the right to use and maintain the two existing roads across the Transmission Corridor Easement Property as shown on the Survey, each reserved road crossing to be fifty (50) feet in width, centerlined on the existing road surface, and to grant to others easements or licenses to use any such roads and crossings.

- b. *New Improved and Unimproved Road/Trail Crossings.* Grantor further reserves the right to construct, use and maintain new, improved road crossings (including but not limited to gravel road crossings) not more than 35 feet in width and new unimproved roads and trails for timber harvesting and other purposes, across the Transmission Corridor Easement Property, and to grant to others easements or licenses to use any such new roads and trail crossings; provided, however, that (i) any such new roads and trail crossings shall be substantially perpendicular to the Transmission Corridor Easement Property and made at a location approved by Grantee, which approval shall not be unreasonably withheld, (ii) any such crossings shall be used and maintained in such manner as will not materially interfere with or impair the operations of Grantee's installations, or the exercise by Grantee of any of its rights under the Transmission Corridor Easement, (iii) the use and maintenance of any such crossings shall be consistent with appropriate customary safety regulations and any additional reasonable provisions Grantee may require, provided, however, that Grantee shall have notified Grantor in writing of any such regulations and provisions, (iv) any work related to such crossings (including but not limited to any alterations or improvements to Grantee's structures or apparatus necessitated by any such crossing, as reasonably determined by Grantee prior to Grantee's approval of any such crossing) shall be performed at the sole cost and expense of Grantor or Grantor's assigns; and (v) any such crossings shall be maintained and restored to a stable site condition so as to prevent soil erosion and soil rutting within or adjacent to the Transmission Corridor Easement Property.
- c. In addition to the provisions of General Conditions Paragraph 2, Grantee shall construct, use and maintain its facilities within the Transmission Corridor Easement Property (including any portion within the Crossings, which for purposes of this paragraph shall include those roads and trails contemplated under both Sections 5(a) and (b) above) in accordance with the National Electric Safety Code so as to permit and not otherwise impair the normal passage of teams, trucks, tractors and other means of transportation, silviculture, logging and timber harvesting equipment that move over or across the same in accordance with the foregoing reserved rights. Without limiting the generality of the foregoing, Grantee acknowledges that the exercise of the foregoing reserved rights shall and may include the passage of vehicles and materials up to twenty-two (22) vertical feet within the Crossings and Grantee agrees that the maximum conductor sag shall have a minimum clearance of not less than thirty four (34) feet between the existing ground level and the conductor and exercise by Grantee of any rights under this Easement shall be done in such a way as to permit and not otherwise impair such reserved rights. Nothing contained herein shall be deemed to (i) require Grantee to maintain any particular road or trail crossings within the same, or (ii) prevent Grantee from erecting and maintaining

signage, gates, fences, and other barriers in order to restrict recreational vehicles or other public access from the same, provided that reasonable mutually acceptable accommodations are made in advance for the road/trail crossings contemplated by this Section.

- d. The height of any vehicles or equipment (including product or materials transported thereon) operated, placed or maintained within the Crossings shall not exceed twenty-two (22) feet. Grantor's reserved rights to construct, use and maintain roads and trails under Section 5(a) and (b) above are subject to the foregoing height restriction. Further, provided that Grantee's exercise of its rights hereunder are in accordance with the terms of this Easement, including but not limited to the terms of Section 5(c) above, Grantor further agrees that it shall not strike or contact any structures, guy wires, grounding wires or conductors that Grantee has erected on the Transmission Corridor Easement Property in accordance with the terms of this Easement and shall, at all times, be in compliance with the "Overhead High-voltage Line Safety Act", M.S.R. Title 35-A Sections 751 - 761 as from time to time amended . Other than in the exercise of rights reserved under this Easement, Grantor shall not park or operate any vehicles or equipment within the crossings or within the Transmission Corridor Easement Property. Grantor shall not yard or load forest products within the Transmission Corridor Easement Property (including crossings) without the prior approval of Grantee, which approval shall not unreasonably be withheld. In the event Grantor, or those operating for or through Grantor, does strike or contact any structures, guy wires, grounding wires or conductors of Grantee, such party shall notify Grantee immediately regardless of whether any apparent damage occurred to Grantee's facilities.
6. Grantor's Non-Interference. The Grantor and its successors, heirs and assigns, covenants and agrees that it will not erect or permit the erection or maintenance of any building, utilities or other structure of any kind or nature under or upon the Transmission Corridor Easement Property, and will not place any material on, or permit or allow any material of any kind or nature to accumulate on or be removed from said premises if, in the reasonable opinion of the Grantee, its successors and assigns, such erection, maintenance or action would endanger or interfere with current or future use of said easement area in Grantee's operation as a public utility.
 7. Prior to Clearing or Construction. Prior to the start of clearing for or construction of the transmission line, Grantee shall provide to Grantor, (a) a plan that describes the type and location of facilities to be constructed by Grantee on the Transmission Corridor Easement Property and (b) a general schedule for construction of the permanent improvements, including anticipated dates and schedules for commencement and completion of construction.

All trees and timber growing in the Transmission Corridor Easement Property remain the property of Grantor. However, during the term of this Transmission Corridor Easement, Grantee shall have the right to harvest and clear timber on the Transmission Corridor Easement Property, with no payment to Grantor. Prior to any and all clearing of timber associated with the Permitted Use, Grantee shall provide notice to Grantor of the location of all such timber to be cleared, the intended dates of commencing and completing the clearing operations, and the permit conditions applicable to such clearing, if any. In addition to conforming with all applicable laws, regulations, and permit conditions, clearing operations shall comply with Best Management Practices, unless expressly exempted by permit. Grantee must clearly mark with flagging in the field the boundaries of all such areas to be cleared prior to notice. All timber severed from the stump shall become the property of Grantee, who shall affect the removal of all such wood from the Transmission Corridor Easement Property as soon as is reasonably practicable. Grantee may not yard, pile or otherwise store such wood, including chips, tops, brush or stumps, on Grantor's property outside the Transmission Corridor Easement Property without the written permission of Grantor. After construction of the transmission line, Grantee will provide reasonable advance written notice to Grantor of its vegetation maintenance schedule for the Transmission Corridor Easement Property and will permit Grantor or its designee to observe such vegetation maintenance.

8. Insurance. Prior to the start of clearing for construction of the transmission line, Grantee shall also provide to Grantor a certificate of insurance demonstrating commercially standard coverage for the intended activities and listing Grantor as an Additional Insured thereunder. Grantee shall maintain such coverage at all times thereafter, and Grantee shall provide certificates or other proof of such insurance to Grantor when reasonably requested. The minimum standard for commercially standard coverage hereunder shall include (a) commercial general liability insurance in an amount not less than \$5,000,000 for each occurrence, (b) worker's compensation insurance as required by Maine law and employer's liability insurance for a minimum of \$1,000,000, and (c) auto liability insurance, including owned, hired and non-owned vehicles, for a minimum of \$1,000,000 each occurrence for a combined single limit.
9. Protection of Grantor's Property. Grantee shall not allow any Hazardous Substances to be stored, located, discharged, generated, released, possessed, managed, processed or otherwise handled on Grantor's Property, including but not limited to the Transmission Corridor Easement Property, except Hazardous Substances which (a) are stored, generated, discharged, possessed, managed, processed or otherwise handled by Grantee pursuant to validly issued permits issued by the applicable governmental authority which are in full force and effect held by Grantee, and (b) are used, stored, disposed of and handled in compliance with and in quantities permitted by all applicable Environmental Protection Laws, and Grantee shall comply with all Environmental Protection Laws affecting its use and exercise of

the rights conferred herein and its operations hereunder, including those laws regarding the generation, storage, disposal, release and discharge of Hazardous Substances. For purposes of this Easement, "Hazardous Material" means and includes any hazardous, toxic or dangerous waste, substance or material in quantity or concentration defined as such in (or for purposes of) or regulated under the Comprehensive Environmental Response, Compensation and Liability Act, any "Superfund" or "Superlien" law, or any other federal, state or local statute, law, ordinance, code, rule, regulation, order or decree regulating, relating to, or imposing liability or standards of conduct concerning, any hazardous, toxic or dangerous waste, substance or material, as now or at any time hereafter in effect (collectively, "Environmental Protection Laws"). Grantee assumes all risks and liability of any kind and nature incident to, occasioned by, or resulting in any manner from its use and exercise of the rights conferred herein and its operations hereunder, and agrees to keep the Grantor's property, including but not limited to the Transmission Corridor Easement Property, duly and fully protected against liens of every character arising in connection with or resulting from the same. The obligations herein shall survive any termination of this Transmission Corridor Easement.

10. Maintenance of Transmission Corridor Easement Property. Grantee shall maintain its improvements and personal property, including without limitation its power line, within the Transmission Corridor Easement Property in good repair. Grantee shall at all times keep the Transmission Corridor Easement Property in safe and clean condition, and Grantee shall not deposit or scatter or allow the depositing or scattering of any type of waste, broken equipment, used cans or containers, or other debris on the Grantor's property, including but not limited to the Transmission Corridor Easement Property, but shall keep the same free and clear of all such refuse; provided, however, that nothing contained herein shall be deemed to require Grantee to maintain (or clean up after any user of) any road or trail crossings allowed pursuant to Section 5 above, or any Other Installations allowed pursuant to Section 6 above. Within a reasonable time after completion of installation of the power line, Grantee shall level, fill and remove its refuse from the Transmission Corridor Easement Property, and render the surface of the land to as near its original (cleared) condition as may be practicable. In the event that Grantee shall not keep and maintain and restore the Transmission Corridor Easement Property as required hereunder within ninety (90) days after written notice given by Grantor (or shall not, within said 90-day period, commence the necessary maintenance or restoration work and thereafter diligently prosecute such work to completion), Grantor will have the option to undertake such maintenance or restoration at the sole cost and expense of Grantee, including any and all cost of legal fees associated with the collection or restoration process undertaken by Grantor. Grantee shall remain liable to Grantor and others for maintenance and repairs to other lands of Grantor, reasonable wear and tear excepted, arising from the exercise by Grantee, its employees, agents and independent contractors, of the easements granted hereunder. The obligations herein shall survive any termination of this Transmission Corridor Easement.

11. Condition of Transmission Corridor Easement Property. Grantee acknowledges and declares that neither Grantor nor any party whomsoever, acting or purporting to act in any capacity whatsoever on behalf of Grantor, has made any direct, indirect, explicit or implicit statement, representation or declaration, whether by written or oral statement or otherwise, upon which Grantee has relied, concerning the existence or non-existence of any quality, characteristic or condition of the Transmission Corridor Easement Property except as may be set forth herein. Grantee has had full, complete and unlimited access to the Transmission Corridor Easement Property for all tests and inspections that Grantee, in its sole discretion, deems sufficiently diligent for the protection of Grantee's interests. The foregoing acknowledgements are a material and integral part of this agreement, and are a component of the consideration paid for this Transmission Corridor Easement.
12. Successors and Assigns. The terms, conditions and obligations herein contained shall inure to the benefit of and be binding upon the successors and assigns of the parties hereto. This instrument shall not be binding on any party hereto unless and until the same is executed by all parties hereto. Grantee shall have the right to assign, at any time and from time to time, this Transmission Corridor Easement, and the rights and obligations hereunder, in its entirety, provided that any such assignee shall be at such time of assignment, or coincident with such assignment shall become, either the (i) fee owner of the abutting corridor parcels in Beattie Township and Skinner Township or (ii) a holder of an easement for the same or substantially similar rights to construct and operate a single 320kV transmission line as those set forth herein as the Permitted Uses, of no less than one hundred and fifty feet (150) in width of the said abutting corridor parcels contiguous with the Transmission Corridor Easement ("Permitted Assignee"). The Grantee hereunder warrants that as of the date hereof it is the fee owner of said abutting corridor parcels in Beattie Township and Skinner Township. Grantee further covenants that if the above described abutting fee or easement interest are subsequently transferred or conveyed by the Permitted Assignee following any assignment hereunder, this Transmission Corridor Easement will be transferred or conveyed by the Permitted Assignee, in its entirety, together with those interests to the same successor, and that this Transmission Corridor Easement will not be transferred or conveyed independent from those interests. For purposes of clarity, it is the intention of this Section 12 that the Transmission Corridor Easement be held by the same fee owner or easement holder, as the case may be, of that portion of the abutting lands consisting of one hundred and fifty feet in width and being contiguous with the Transmission Corridor Easement. Grantee shall provide Grantor with prompt written notice setting forth the name and address of any such successor and assign for notice purposes.
13. Notices. All notices, claims, certificates, requests, demands and other communications required or permitted to be delivered hereunder shall be in writing and shall be deemed to have been duly given if delivered personally or mailed by overnight, registered or certified mail, postage prepaid, return receipt requested, at the following addresses: if to Grantor,

Bayroot LLC, c/o Wagner Forest Management, Ltd., Attn: Thomas J. Colgan, P.O. Box 160, 150 Orford Road, Lyme, New Hampshire 03768; and if to Grantee, Central Maine Power Company, 83 Edison Drive, Augusta, Kennebec County, Maine 04336 (or to such other address as the person to whom notice is to be given may have previously furnished to the other in writing in the manner set forth above). Each party, its successors and assigns, shall keep the other party advised of its current mailing address and the representative who will handle inquiries and notifications hereunder.

14. Severability. In the event any provision hereof is deemed illegal, against public policy, or unenforceable, said provision shall not affect the validity and enforceability of the remainder of this agreement, but such unenforceable provision shall be deleted, and the remaining terms and provisions of this agreement shall be interpreted in a manner which most closely effectuates the apparent intentions of the parties as evidenced by this agreement.
15. Governing Law. This Easement shall be construed and interpreted in accordance with the laws of the State of Maine. All and any disputes arising out of or in connection with this Easement shall be adjudicated in the federal or state courts located in the State of Maine, to whose jurisdiction the parties hereby irrevocably submit for such purposes.
16. Entire Agreement. This Easement and the separate agreement referred to in Section 17 below constitute the entire understanding of the parties with respect to its subject matter. This Easement may not be altered or amended except by a writing signed by both parties.
17. Abutting property lease.
 - a. Grantee is the lessee ("Lessee") under a certain lease agreement with the Passamaquoddy Tribe as lessor ("Lessor"), pertaining to a three hundred (300) by three hundred (300) foot lease area located along a portion of property in Lowelltown Township, which property is described in a deed from Great Northern Nekoosa Corporation to the United States of America, as Trustee for the benefit of the Passamaquoddy Tribe, recorded in the Franklin County Registry of Deeds in Book 718, Page 128 ("Lease") and which abuts other land of the Grantee located in said Skinner and Beattie Townships. In further consideration of the Transmission Corridor Easement, Grantee's rights hereunder are subject to a separate agreement to be executed by Grantor and Grantee on substantially even date, the terms of which are incorporated herein, which separate agreement provides, in part, that Grantor has the right to terminate this Transmission Corridor Easement upon the occurrence of certain event(s) set forth therein. Grantor agrees that, if Grantee is not in default of any such separate agreement or has satisfied its obligations in full under the same, upon written request of Grantee, Grantor shall in each case execute a recordable estoppel certificate or instrument reasonably satisfactory Grantee evidencing the same.

b. In the event Grantee assigns its rights as Lessee under the Lease to a party other than the then Grantee of this Transmission Corridor Easement (or a permitted assignee hereunder), then Grantor shall have the right to terminate this Transmission Corridor Easement upon providing one hundred eighty (180) days written notice of termination to Grantee and an opportunity of Grantee to cure such event of termination within said period. At the expiration of said notification period, unless such event of termination has been cured within said period to Grantor's satisfaction, this Transmission Corridor Easement shall automatically terminate and be of no further force and effect except that those obligations and indemnification provisions which specifically survive termination hereof shall remain in full force and effect.

c. Upon request of Grantor, Grantee shall execute any instrument or document evidencing any such termination of this Transmission Corridor Easement, in a form provided by Grantor.

To have and to hold said right of way and easement with all privileges and appurtenances hereof unto Grantee, its successors and assigns forever.

{Signatures appear on the following pages.}

IN WITNESS WHEREOF, the parties hereto have executed this instrument on this 28th day of August, 2019.

Witness:

Grantor: **BAYROOT LLC**
By: Wagner Forest Management, Ltd.
Its Manager

[Signature]

By: *[Signature]*
Daniel H. Hudnut, Executive Vice President

STATE OF NEW HAMPSHIRE
COUNTY OF GRAFTON

Then personally appeared the above-named Daniel H. Hudnut, Executive Vice President of Wagner Forest Management Ltd., Manager of Bayroot LLC, and acknowledged the foregoing instrument to be his free act and deed in his said capacity, and the free act and deed of said limited liability company.

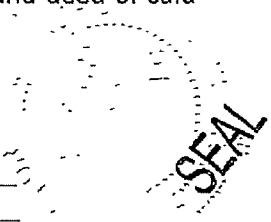
Before me this 28 day of August, 2019.

Victoria Maurer
Printed Name: _____

Notary Public

My Commission Expires: _____

VICTORIA MAURER, Notary Public
My Commission Expires March 13, 2020



{Signatures continue on the following pages.}

Witness:

Grantee: Central Maine Power Company

By: *Douglas A. Herling*
Its: President & Chief Executive Officer
Printed name: Douglas Herling

STATE OF MAINE
COUNTY OF KENNEBEC

Then personally appeared the above-named Douglas Herling, President & Chief Executive Officer of Central Maine Power Company, and acknowledged the foregoing instrument to be his free act and deed in his said capacity, and the free act and deed of said corporation.

Before me this 28th day of August, 2019.

Elysabeth L. Armstrong

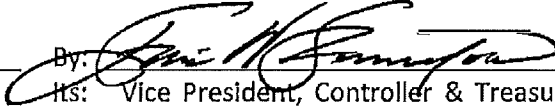
Printed Name:
Notary Public
My Commission Expires: _____

Elysabeth L. Armstrong
Notary Public, State of Maine
My Commission Expires 9/19/2023

{Signatures continues on the following page.}

Witness:


Grantee: Central Maine Power Company

_____ By: 
 His: Vice President, Controller & Treasurer
 Printed name: Eric Stinneford

STATE OF MAINE
COUNTY OF KENNEBEC

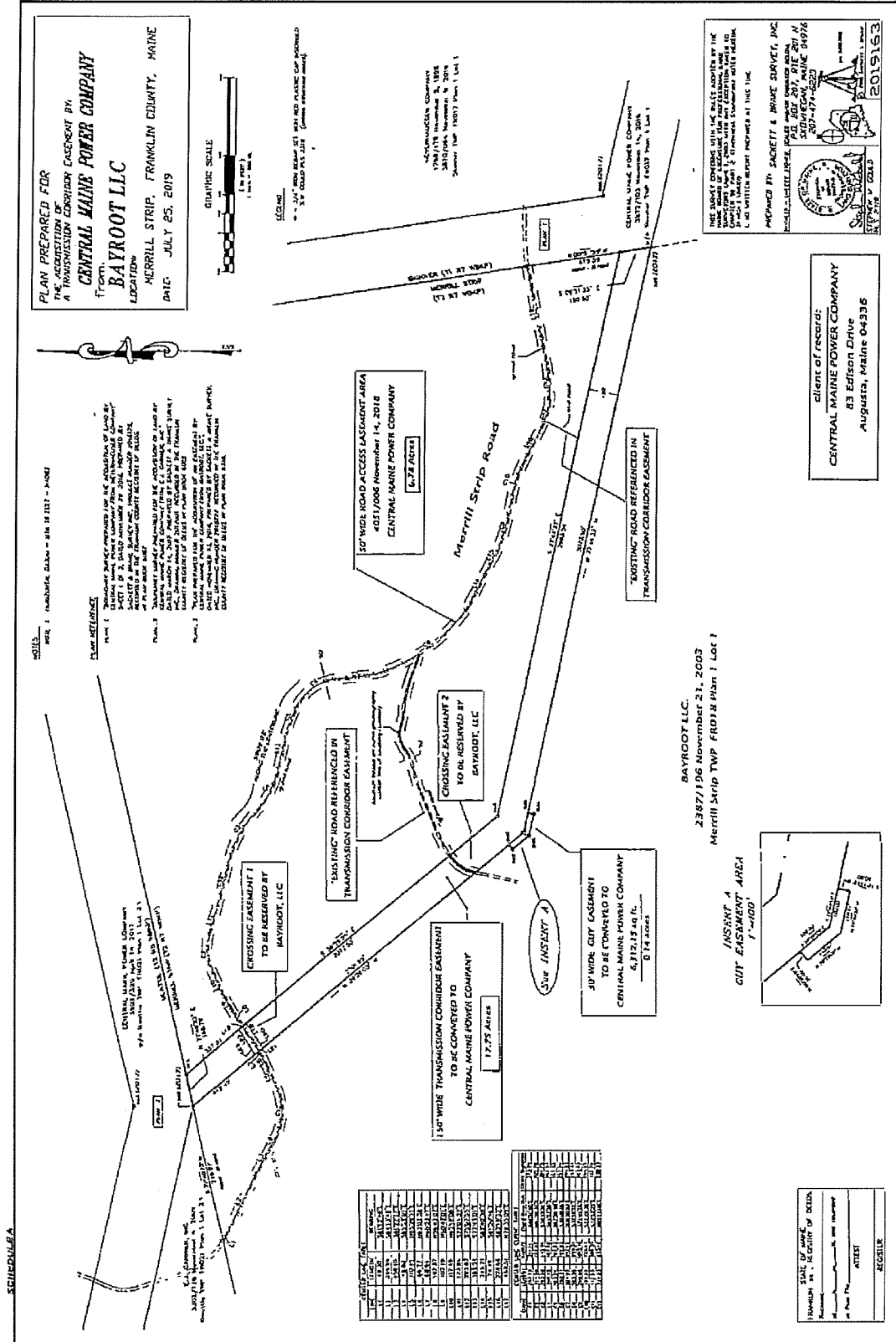
Then personally appeared the above-named Eric Stinneford, Vice President, Controller & Treasurer of Central Maine Power Company, and acknowledged the foregoing instrument to be his free act and deed in his said capacity, and the free act and deed of said corporation.

Before me this 28th day of August, 2019.


 Printed Name: _____
 Notary Public
 My Commission Expires: _____

Elysabeth L. Armstrong Notary Public, State of Maine My Commission Expires 9/19/2023
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Schedule A



Small text at the bottom right corner of the page, likely a reference or disclaimer.

SCHEDULE B

Certain lots or parcels of land situated on the northerly, southwesterly, and southerly side of Merrill Strip Road, so-called, a private road, located in the township of Merrill Strip (T2 R7 WBKP), County of Franklin, and State of Maine, bounded and described as follows, to wit:

Transmission Corridor Easement Property:

Beginning on the township line, between Skinner Township (T1 R7 WBKP) and Merrill Strip Township (T2 R7 WBKP), at a point marked by a $\frac{3}{4}$ " capped iron rebar set (2017) at the southwesterly corner of land conveyed to Central Maine Power Company by a deed dated November 14, 2016 and recorded in the Franklin County Registry of Deeds in Book 3872, Page 103;

Thence, northwesterly on a course of N 77°-44'-32" W through land conveyed to Bayroot LLC by a deed dated November 21, 2003 and recorded in the Franklin County Registry of Deeds in Book 2387, Page 196 a distance of three thousand seventy-three and fifty hundredths (3073.50) feet to an unmonumented angle point;

Thence, northwesterly on a course of N 39°-29'-05" W continuing through said land of Bayroot LLC a distance of two thousand one and ninety-five hundredths (2201.95) feet to a point marked by a $\frac{3}{4}$ " capped iron rebar set (2017) on the township boundary between Beattie Township (T2 R8 WBKP) and Merrill Strip Township (T2 R7 WBKP), being located at a southeasterly corner of land of E.J. CARRRIER, INC., reference is made to a deed dated November 4, 2009 and recorded in the Franklin County Registry of Deeds in Book 3202, Page 128, also being a southwesterly corner of land conveyed to Central Maine Power Company by a deed dated April 14, 2017 and recorded in the Franklin County Registry of Deeds in Book 3902, Page 329, said point being located on a course of N 77°-48'-23" E along the township line a distance of seven hundred nineteen and ninety-seven hundredths (719.97) feet from the center line of the Merrill Strip Road;

Thence, easterly on a course of N 77°-48'-23" E along the township boundary between Beattie Township (T2 R8 WBKP) and Merrill Strip Township (T2 R7 WBKP), being the southerly line of land conveyed to Central Maine Power Company by deed recorded in Book 3902, Page 329, a distance of one hundred sixty-eight and seventy-nine hundredths (168.79) feet to a point marked by a $\frac{3}{4}$ " capped iron rebar set;

Thence, southeasterly on a course of S 39°-29'-05" E through said land of Bayroot LLC a distance of two thousand seventy-two and fifty-three hundredths (2072.53) feet to an angle point marked by a $\frac{3}{4}$ " capped iron rebar set;

Thence, easterly on a course of S 77°-44'-32" E continuing through said land of Bayroot LLC a distance of two thousand nine hundred sixty-three and fifty-four hundredths (2963.54) feet to a point marked by a $\frac{3}{4}$ " capped iron rebar set on the township boundary between Skinner Township (T2 R8 WBKP) and Merrill Strip Township (T2 R7 WBKP), being the westerly line of land conveyed to Central Maine Power Company by deed recorded in Book 3872 Page 103;

Thence, southerly on a course of S 08°-51'-35" E along the township boundary between Skinner Township and Merrill Strip Township, being the westerly line of land conveyed to Central Maine Power Company by deed recorded in Book 3872, Page 103 a distance of one hundred sixty and eighty hundredths (160.80) feet to the point and place of beginning.

Containing 17.75 Acres of land, more or less.

Bearings are based on a GPS Observation of GRID North (UTM Zone 19).

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

Reference is made to a plan entitled "Plan Prepared for The Acquisition of a Transmission Corridor Easement by: Central Maine Power Company from: Bayroot LLC", dated July 25, 2019, prepared by Sackett & Brake Survey, Inc., drawing number 2019163, as part of project 2017001, said plan to be recorded in the Franklin County Registry of Deeds.

Guy Easement Area:

Beginning at an unmonumented angle point located at the southwesterly corner of the Transmission Corridor Easement Property described hereinabove;

Thence, easterly on a course of S 77°-44'-32" E along the southerly line of said Transmission Corridor Easement Property a distance of one hundred and zero hundredths (100.00) feet to a point marked by a ¾" capped iron rebar set;

Thence, southerly on a course of S 12°-15'-28" W through said land conveyed to Bayroot LLC by a deed dated November 21, 2003 and recorded in the Franklin County Registry of Deeds in Book 2387, Page 196 a distance of thirty and zero hundredths (30.00) feet to a point marked by a ¾" capped iron rebar set;

Thence, westerly on a course of N 77°-44'-32" W continuing through said land of Bayroot LLC a distance of one hundred ten and forty-one hundredths (110.41) feet to a point marked by a ¾" capped iron rebar set;

Thence, northwesterly on a course of N 39°-29'-05" W continuing through said land of Bayroot LLC a distance of one hundred ten and forty-one hundredths (110.41) feet to an angle point marked by a ¾" capped iron rebar set;

Thence, northeasterly on a course of N 50°-30'-55" E continuing through said land of Bayroot LLC a distance of thirty and zero hundredths (30.00) feet to a point marked by a ¾" capped iron rebar set on the southwesterly line of land of the Transmission Corridor Easement Property;

Thence, southeasterly on a course of S 39°-29'-05" E along the southwesterly line of land of the Transmission Corridor Easement Property a distance of one hundred and zero hundredths (100.00) feet to the point and place of beginning.

Containing 6,312.15 Square Feet (0.14 Acres) of land, more or less.

Bearings are based on a GPS Observation of GRID North (UTM Zone 19).

All monumentation noted as $\frac{3}{4}$ " capped iron rebar set is topped with a red plastic cap inscribed "S.W. GOULD PLS 2318".

Reference is made to a plan entitled "Plan Prepared for The Acquisition of a Transmission Corridor Easement by: Central Maine Power Company from: Bayroot LLC", dated July 25, 2019, prepared by Sackett & Brake Survey, Inc., drawing number 2019163, as part of project 2017001, said plan to be recorded in the Franklin County Registry of Deeds.

Received
Franklin County
Susan A Black
REGISTER

Eaton Peabody, Bangor - ENO

Exhibit C-1
Merrill Strip Alternative – Visual Evaluation of Beattie Pond

Exhibit C-2
Photosimulation 59 – Merrill Strip Road

Exhibit C-3
Merrill Strip Alternative – Viewshed Map

MERRILL STRIP TWP Alternative, VISUAL EVALUATION FROM BEATTIE POND, VIEWPOINT 1

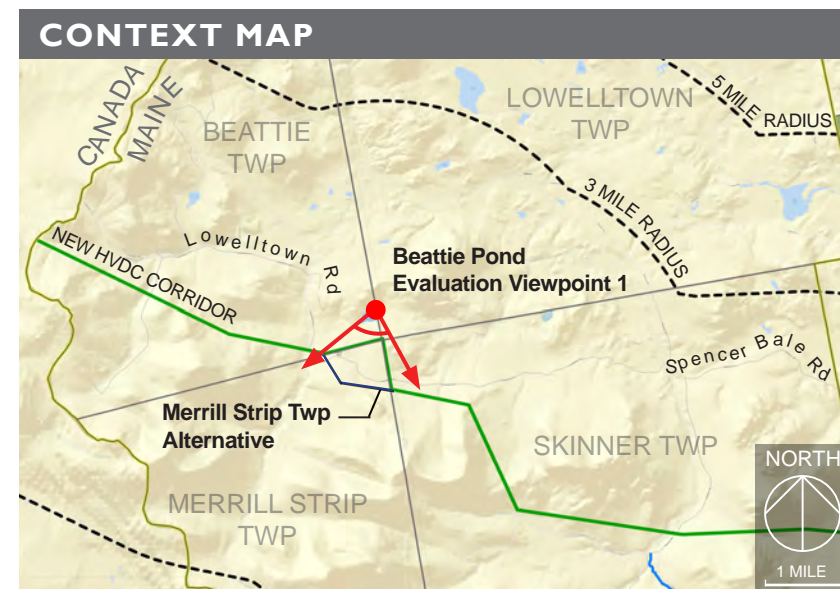
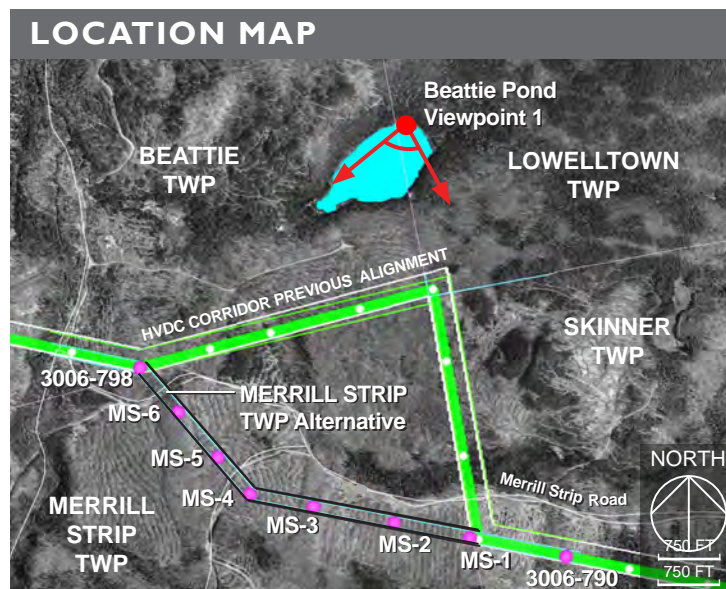


3D Model Illustration of proposed Merrill Strip Twp Alternative overlaid on a panoramic view looking southeast to southwest from the northeastern end of Beattie Pond (Management Class 6, Remote Pond). By using the Alternative route, no structures, conductors, or shield wires will be visible from the Pond at this viewpoint due to intervening topography and/or vegetation.

The red vertical lines represent the proposed HVDC structures (which will be screened at this viewpoint) and the dashed orange horizontal lines represent conductors and shield wires (which will be screened at this viewpoint).

Staking Chart

Structure Number	Structure Type	Above Ground Height (feet)
3006-790	Tangent	132.00
MS-1	Tangent	118.50
MS-2	Tangent	109.50
MS-3	Tangent	114.00
MS-4	30-60 deg guyed deadend	101.40
MS-5	Tangent	96.00
MS-6	Tangent	96.00
3006-798	30-60 deg guyed deadend	101.20



TECHNICAL INFORMATION		Photograph Information	
Typical Cross Section 	Structure type 	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 D5600
		Photo Source	TJD&A
		Proposed Structures Visible	0
		Approximate Distance to Nearest Visible Structure	4,834 feet (0.91 miles)
		October 10, 2019	PAGE 1 OF 10



Structure 3006-790
1.15 miles from viewpoint,
and screened by intervening
topography

Structure MS-1
1.04 miles from viewpoint,
and screened by intervening
topography

Structure MS-2
1.0 miles from viewpoint,
and screened by intervening
topography

3D Model Illustration: Normal view looking southeast from the northern end of Beattie Pond toward the proposed Merrill Strip Twp Alternative of the HVDC transmission line. Based on the Alternative route, no structures, conductors, or shield wires would be visible from the Pond at this viewpoint due to intervening topography.



Structure MS-1
1.04 miles from viewpoint,
and screened by intervening
topography

Structure MS-2
1.0 miles from viewpoint,
and screened by
intervening topography

Structure MS-3
0.99 miles from viewpoint and
screened by intervening topography
and vegetation

Structure MS-4
1.01 miles from viewpoint
and screened by
intervening vegetation

3D Model Illustration: Normal view looking south from the northern end of Beattie Pond toward the proposed Merrill Strip Twp Alternative of the HVDC transmission line. Based on the Alternative route, no structures, conductors, or shield wires would be visible from the Pond at this viewpoint due to intervening topography and/or vegetation.



Structure MS-4
1.01 miles from viewpoint and
screened by intervening
vegetation

Structure MS-5
0.96 miles from viewpoint
and screened by intervening
vegetation

Structure MS-6
0.93 miles from viewpoint and screened
by intervening vegetation

Structure 3006-798
0.91 miles from viewpoint and screened
by intervening vegetation

3D Model Illustration: Normal view looking southwest from the northern end of Beattie Pond toward the proposed Merrill Strip Twp Alternative of the HVDC transmission line. Based on the Alternative route, no structures, conductors, or shield wires would be visible from the Pond at this viewpoint due to intervening vegetation.

MERRILL STRIP TWP Alternative, VISUAL EVALUATION FROM BEATTIE POND, VIEWPOINT 2

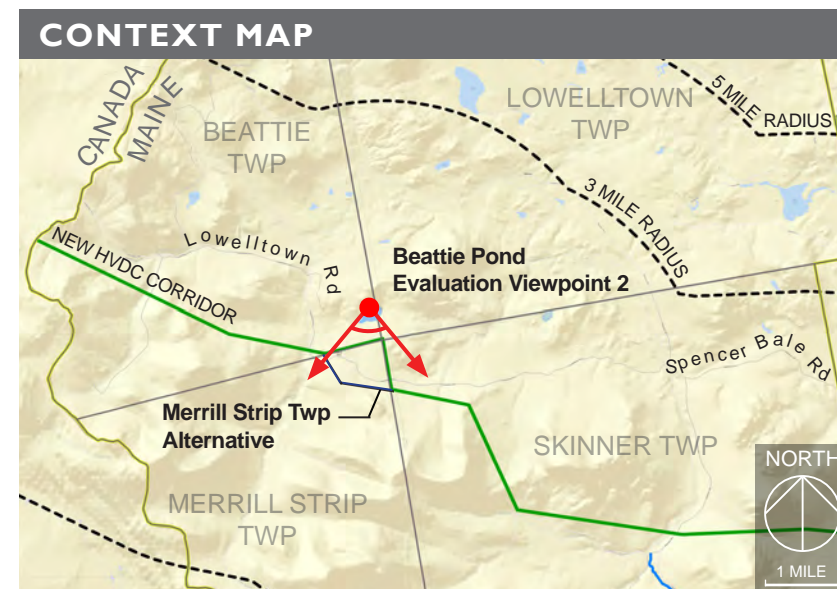
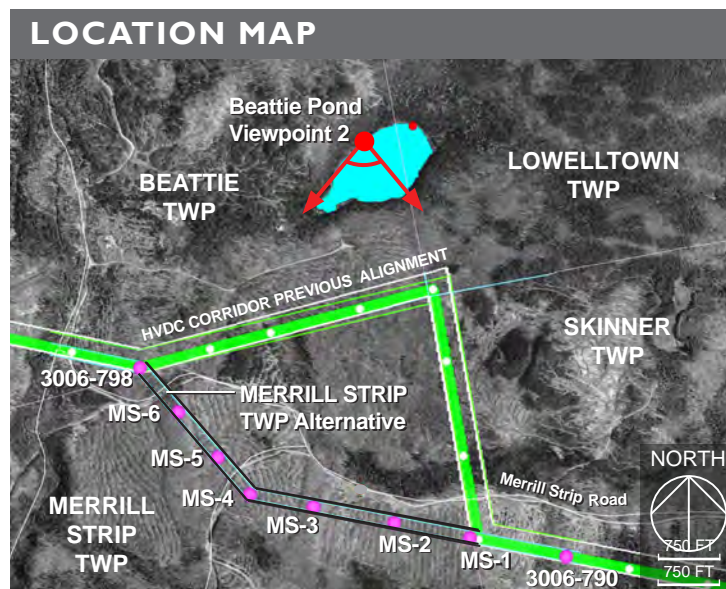


3D Model Illustration of proposed Merrill Strip Twp Alternative overlaid on a panoramic view looking southeast to southwest from Viewpoint 2 on the northern end of Beattie Pond. Viewpoint 2 is approximately 650 feet southwest of Viewpoint 1. By using the Alternative route, portions of Structures MS-5 and MS-6, and connecting conductors and shield wires would be slightly visible in between tops of trees from this viewpoint at distances of 0.87 mile and 0.82 mile, respectively. See Pages 9 and 10 for a photosimulation showing the slight visibility of the structures from a very limited area (approximately 8% of the Pond).

The red vertical lines represent the proposed HVDC structures and the orange dashed horizontal lines represent conductors and shield wires. The majority of structures, conductors and shield wires will be screened by intervening topography and vegetation with the exception of the tops of Structures MS-5 and MS-6, which would be slightly visible from only approximately 8% of the Pond.

Staking Chart

Structure Number	Structure Type	Above Ground Height (feet)
3006-790	Tangent	132.00
MS-1	Tangent	118.50
MS-2	Tangent	109.50
MS-3	Tangent	114.00
MS-4	30-60 deg guyed deadend	101.40
MS-5	Tangent	96.00
MS-6	Tangent	96.00
3006-798	30-60 deg guyed deadend	101.20



TECHNICAL INFORMATION		Photograph Information	
Typical Cross Section 	Structure type 	Location Viewing Direction Horizontal Angle of View Date and Time Camera Focal Length Camera Make/Model Photo Source Proposed Structures Visible Approximate Distance to Nearest Visible Structure	45.503894°, -70.631858° Southeast to Southwest 86° 07/26/17 at 12:46 pm 35 mm Nikon D5600 TJD&A 0 4,834 feet (0.91 miles)
		October 10, 2019	PAGE 5 OF 10



3D Model Illustration: Normal view looking southeast from the northern end of Beattie Pond toward the proposed Merrill Strip Twp Alternative of the HVDC transmission line. Based on the Alternative route, no structures, conductors, or shield wires would be visible from the Pond looking in this direction due to intervening topography and/or vegetation.



Structure MS-2
0.95 mile from viewpoint,
and screened by
intervening vegetation

Structure MS-3
0.91 mile from viewpoint
screened by intervening
topography and vegetation

Structure MS-4
0.92 miles from viewpoint
screened by intervening
vegetation

Structure MS-5
0.87 miles from viewpoint
screened by intervening
vegetation

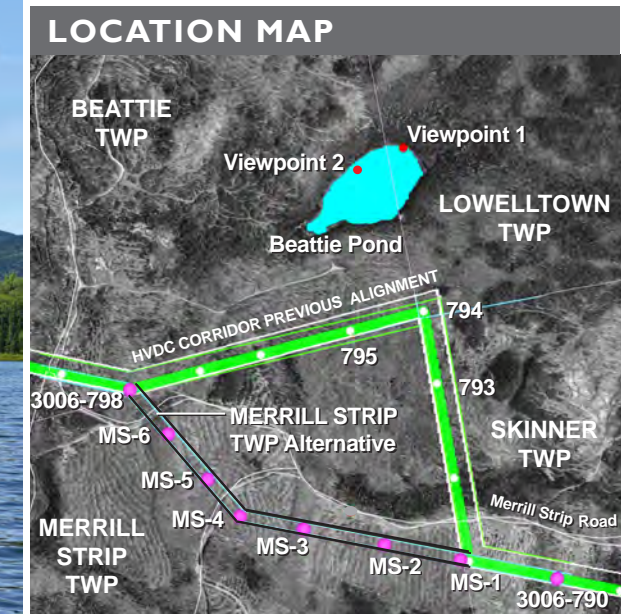
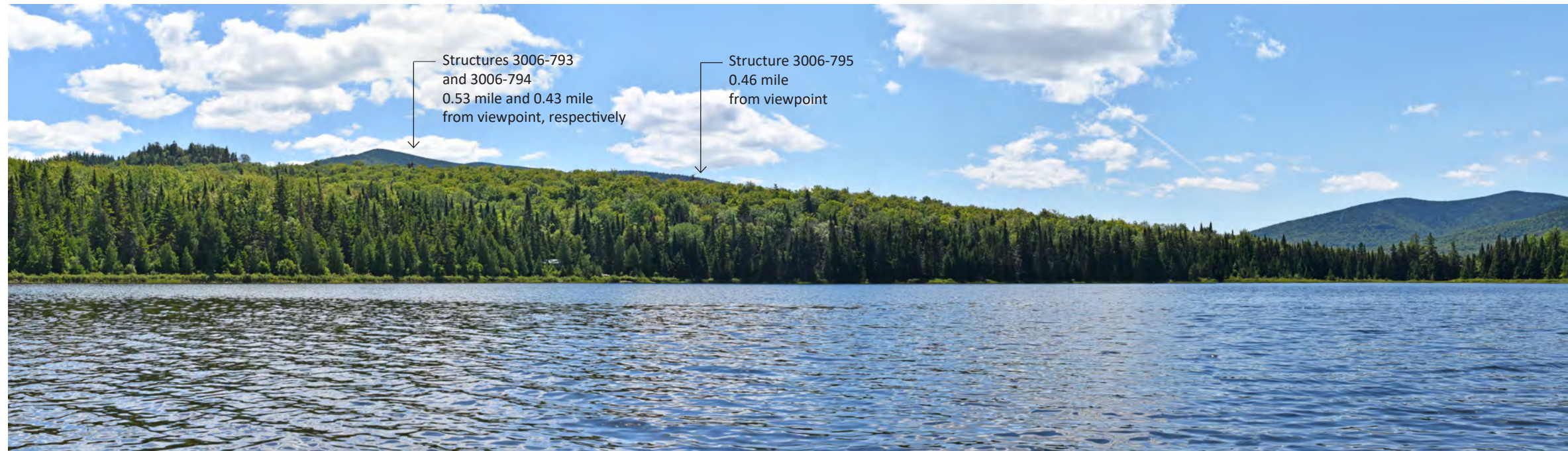
3D Model Illustration: Normal view looking south from the northern end of Beattie Pond toward the proposed Merrill Strip Twp Alternative of the HVDC transmission line. Based on the Alternative route, only the top of Structure #MS-5 and associated conductors and shield wires, will be slightly visible to recreational users from only approximately 8% of the Pond in between tops of trees from this viewpoint at a distance of 0.87 mile.



3D Model Illustration: Normal view looking southwest from the northern end of Beattie Pond toward the proposed Merrill Strip Twp Alternative of the HVDC transmission line. Based on the Alternative route, the tops of Structures MS-5 and MS-6 and the conductors, and shield wires connected to those structures, would be slightly visible to recreational users from only approximately 8% of the Pond in between tops of trees from this viewpoint at distances of 0.87 mile and 0.82 mile, respectively.



Photosimulation 60A: Normal view looking southwest from the northern end of Beattie Pond toward the proposed Merrill Strip Twp Alternative of the HVDC transmission line. Based on the Alternative route, the tops of Structures MS-5 and MS-6 and the conductors, and shield wires connected to those structures, would be slightly visible to recreational users from only approximately 8% of the Pond in between tops of trees from this viewpoint at distances of 0.87 mile and 0.82 mile, respectively. The self-weathering steel used for the structures will continue to minimize contrasts with surrounding vegetation.



JANUARY 25, 2019 PHOTOSIMULATION from Viewpoint 1

Previous panoramic view looking southeast to southwest from the northern end of Beattie Pond toward the proposed HVDC transmission line as revised January 25, 2019. This previously re-engineered alignment for the transmission structures near Beattie Pond would have resulted in visibility of the tops of three HVDC structures (# 3006-793, # 3006-794, # 3006-795) and their shield wires just above the treeline at distances ranging from 0.43 to 0.53 from the viewpoint.



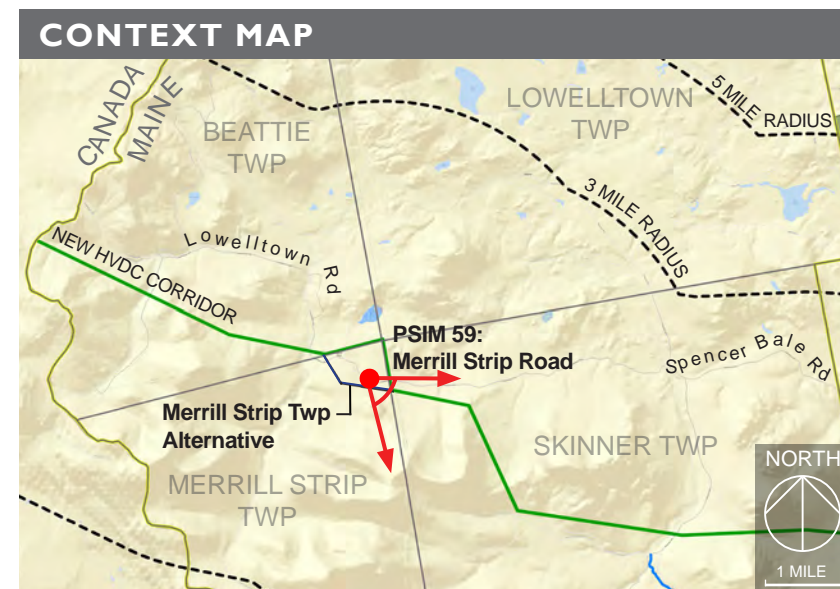
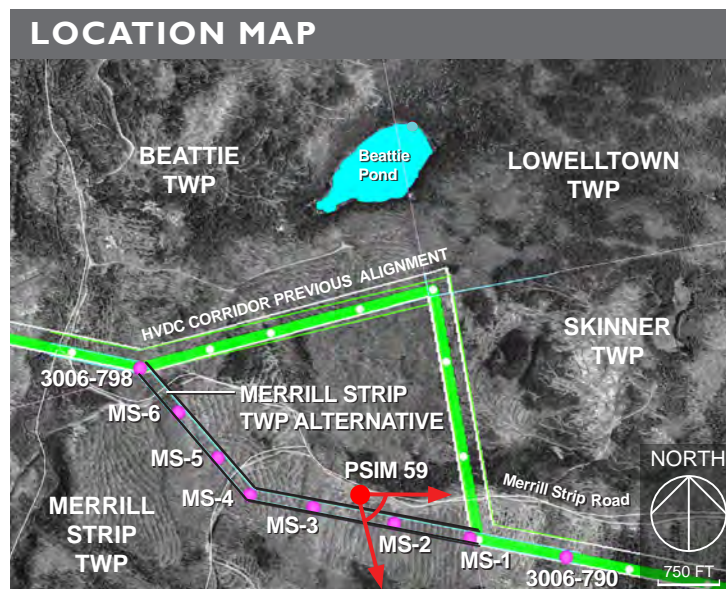
OCTOBER 10, 2019: MERRILL STRIP Alternative from Viewpoint 2

Photosimulation 60: Panoramic view of the proposed Merrill Strip Twp Alternative looking southeast to southwest from the northern end of Beattie Pond (Viewpoint 2 located approximately 650 feet southwest of Viewpoint 1 above). Based on the proposed Merrill Strip Alternative location, the tops of two structures (MS-5 and MS-6), conductors, and shield wires would be slightly visible in between tops of trees from this viewpoint at distances of 0.87 mile and 0.82 mile, respectively. Visibility of the Alternative affects only approximately 8% of the Pond. Existing topography and shoreline vegetation will screen the Project from the remainder of the Pond (See Exhibit C-3). As a boater moves toward the southern shoreline, the view will be completely screened by vegetation. The self-weathering steel used for the structures will continue to minimize contrasts with the surrounding vegetation. The Merrill Strip Alternative route will result in an increased visual buffer and further reduction in the overall visual impact from the Pond and, as a result, the Project will be minimally noticeable from recreational users on the Pond.

PHOTOSIMULATION 59: MERRILL STRIP ROAD, MERRILL STRIP TWP



Proposed Conditions: 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 #MS-2 (109.5 ft) and #MS-1 (118.5 ft) will be visible from this viewpoint. The closest structure (#MS-2) is 625 feet from the viewpoint. Structure #3006-790 would be screened by the roadside vegetation from this viewpoint. Smart Mountain is visible in the background (on right in image).



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: 625 feet
	September 18, 2019 PAGE 1 OF 5



Existing Conditions: Normal view looking east from Merrill Strip Road in Merrill Strip Township.



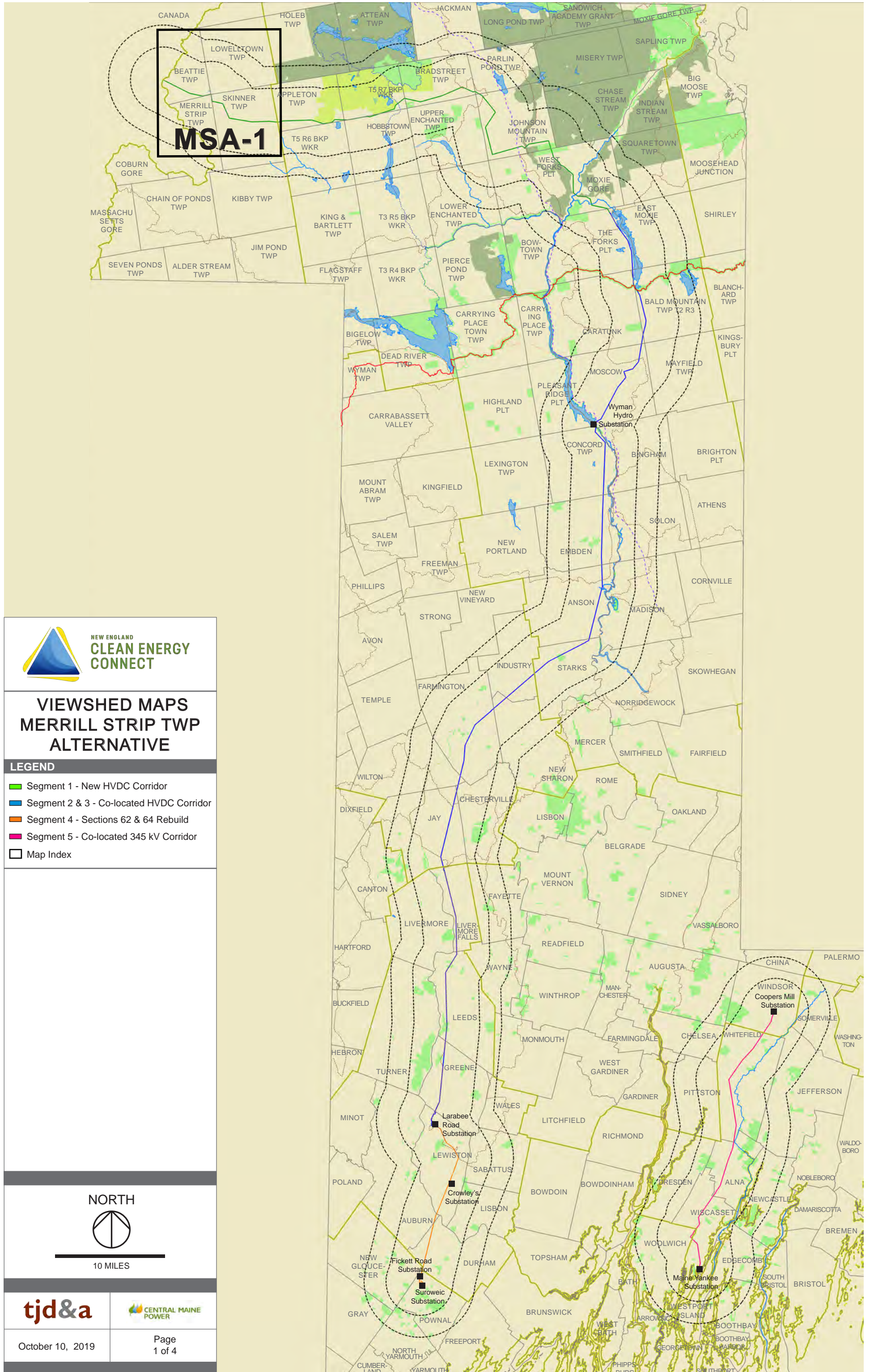
Proposed Conditions: Normal view looking east from Merrill Strip Road toward the proposed alternative section of the HVDC transmission line in Merrill Strip Township. Two tangent structures (#MS-2 at 109.5 ft and #MS-1 at 118.5 ft), conductors, and shield wires will be visible from this viewpoint. The closest structure (#MS-2) is 625 feet from the viewpoint.



Existing Conditions: Normal view looking southeast from Merrill Strip Road in Merrill Strip Township.



Proposed Conditions: Normal view looking southeast from Merrill Strip Road toward the proposed alternative section of the HVDC transmission line in Merrill Strip Township. Structure #MS-2 is shown at 109.5 ft in height and located 625 feet from this viewpoint. The conductors and shield wires will be visible.



VIEWSHED MAPS MERRILL STRIP TWP ALTERNATIVE

LEGEND

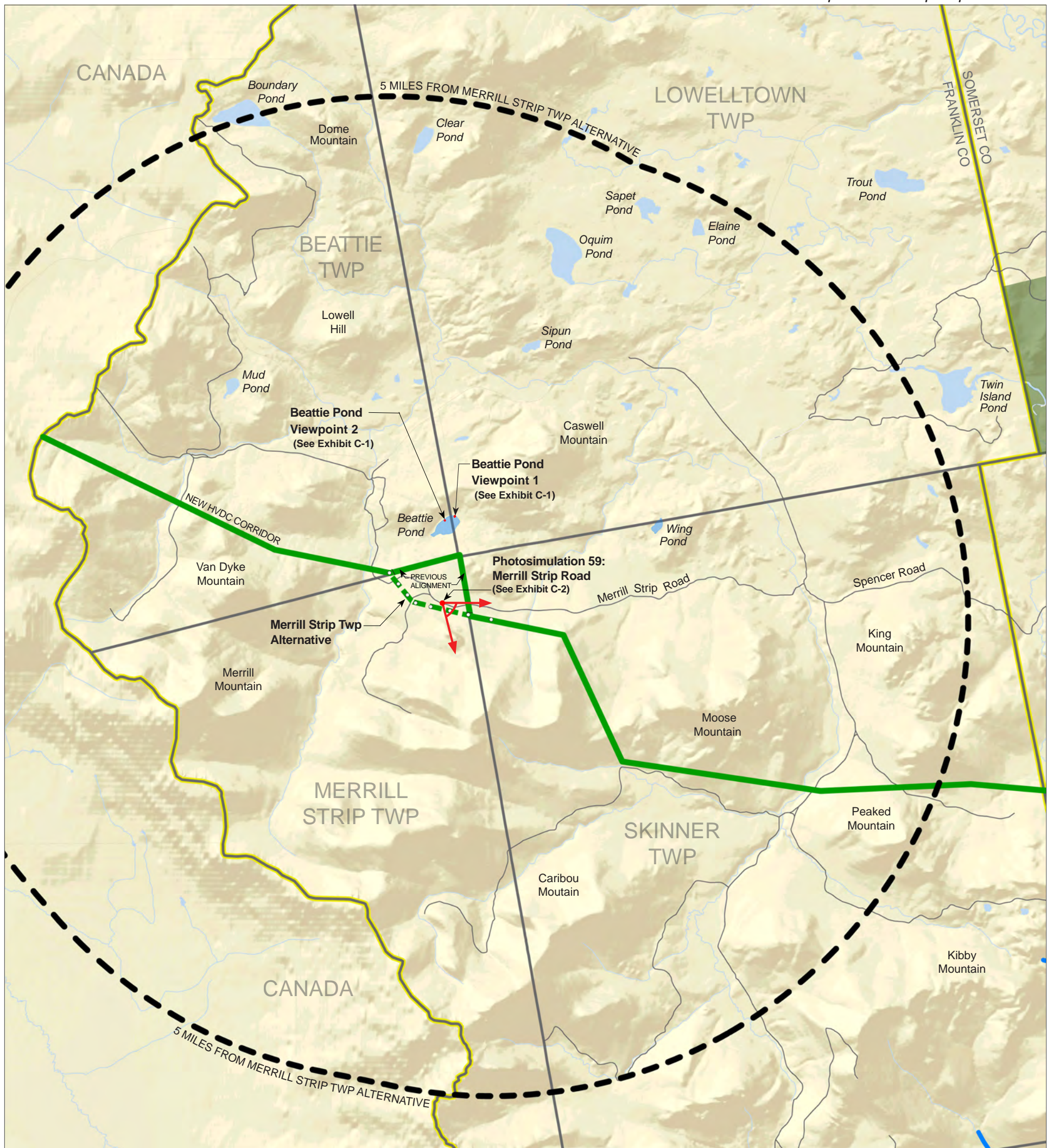
- Segment 1 - New HVDC Corridor
- Segment 2 & 3 - Co-located HVDC Corridor
- Segment 4 - Sections 62 & 64 Rebuild
- Segment 5 - Co-located 345 kV Corridor
- Map Index

NORTH



10 MILES





Map MSA-1
STUDY AREA

LEGEND

- New HVDC Corridor
- - - Merrill Strip Twp Alternative Corridor
- Merrill Strip Twp Alternative Proposed Structures
- Municipal Boundaries
- County Boundaries
- Remote Ponds
- Visual Evaluation/Photosimulation Location

STRUCTURE INFORMATION

MERRILL STRIP TWP ALTERNATIVE STAKING CHART

Structure Number	Structure Type	Above Ground Height (feet)
3006-790	Tangent	132.00
MS-1	Tangent	118.50
MS-2	Tangent	109.50
MS-3	Tangent	114.00
MS-4	30-60 deg guyed deadend	101.40
MS-5	Tangent	96.00
MS-6	Tangent	96.00
3006-798	30-60 deg guyed deadend	101.20

MAP INDEX

NORTH

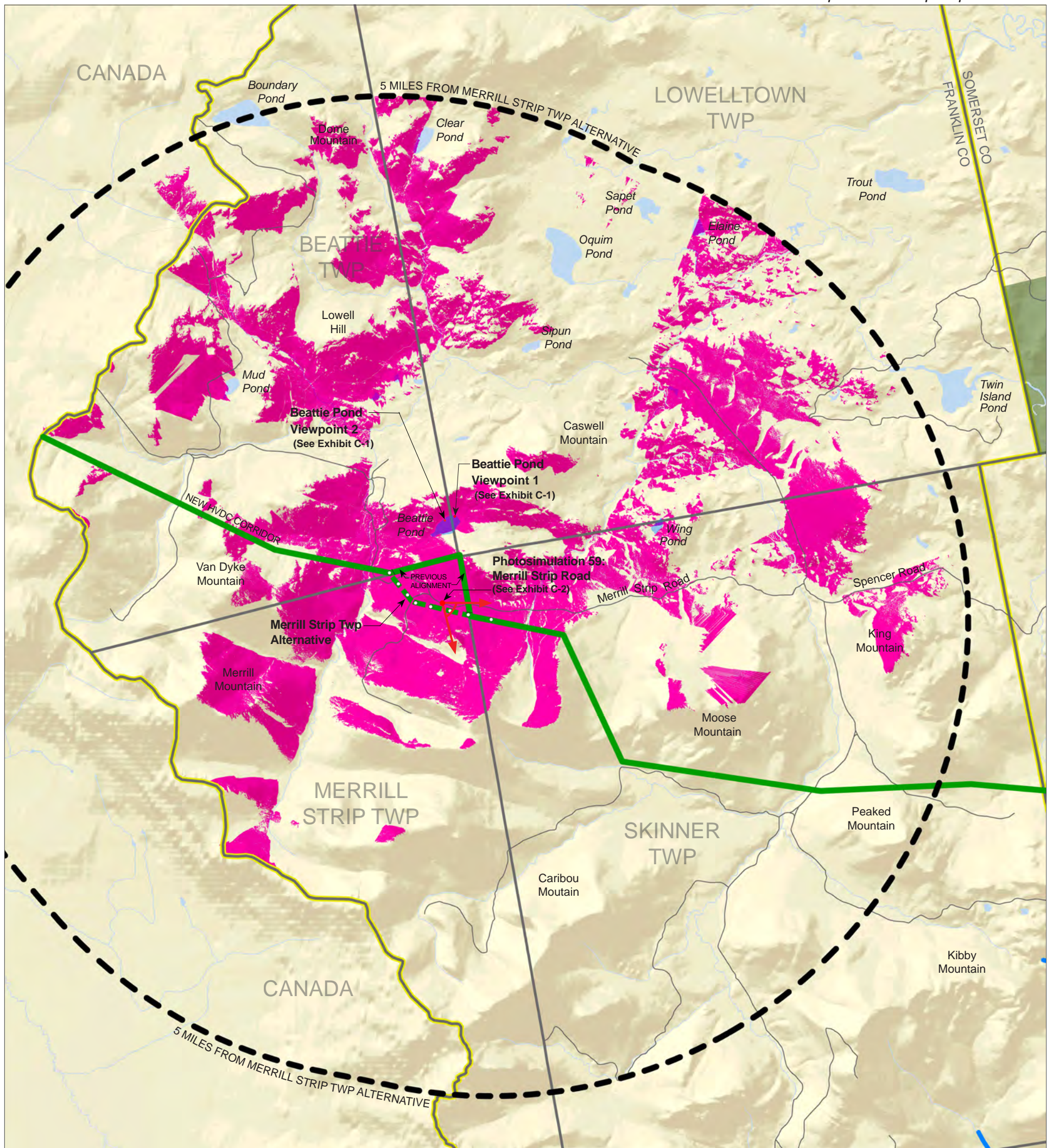
1 MILE

tjd&a

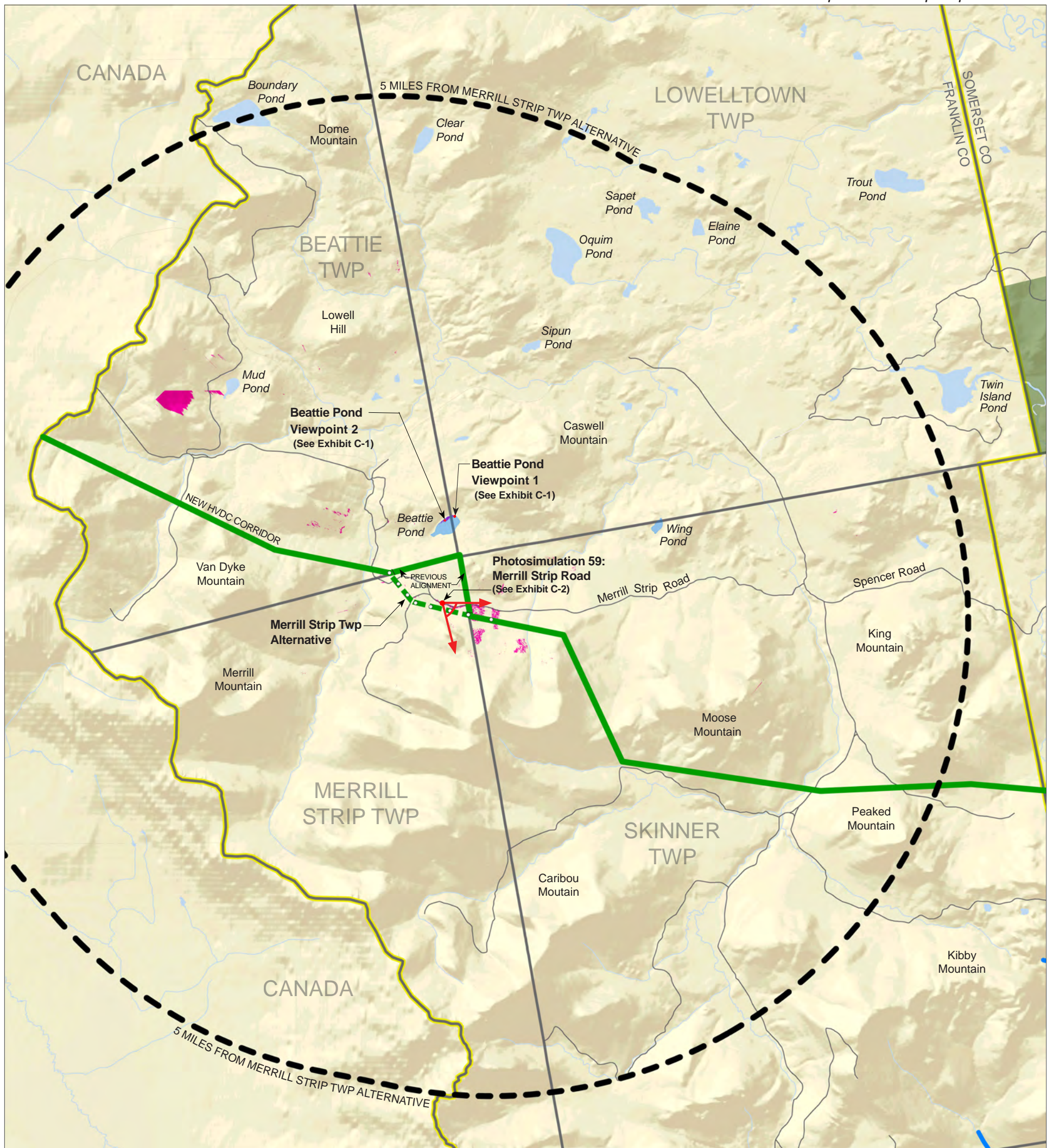
CENTRAL MAINE POWER

October 10, 2019

Page 2 of 4



<p>Map MSA-1 TOPOGRAPHIC VIEWSHED</p>	<p>LEGEND</p> <ul style="list-style-type: none"> — New HVDC Corridor - - - Merrill Strip Twp Alternative Corridor ○ Merrill Strip Twp Alternative Proposed Structures — Municipal Boundaries — County Boundaries ■ Remote Ponds ● Visual Evaluation/ Photosimulation Location 	<p>VISIBILITY</p> <p> Area of potential project visibility where any portion of the Merrill Strip Twp Alternative structures may be visible within 5 miles based on the screening effects of topography.</p>	<p>MAP INDEX</p>	<p>NORTH</p> <p>1 MILE</p> <p>tjd&a</p> <p>CENTRAL MAINE POWER</p> <p>October 10, 2019</p> <p>Page 3 of 4</p>
	<p>NOTES</p> <p>The analysis is based on a Digital Terrain Model (DTM) processed at 10-foot resolution from first return LiDAR point cloud data acquired from the USGS National Map. The viewer height is set at 0 feet above ground level elevation.</p> <p>The analysis shows where the viewer may see any portion of a transmission structure.</p> <p>Potential transmission line visibility needs to be confirmed with field investigations and other visualization techniques. See Exhibits C-1 and C-2.</p>	<p>20 MILES</p>		



<p>Map MSA-1 LANDCOVER VIEWSHED</p>	<p>LEGEND</p> <ul style="list-style-type: none"> — New HVDC Corridor - - - Merrill Strip Twp Alternative Corridor ○ Merrill Strip Twp Alternative Proposed Structures — Municipal Boundaries — County Boundaries ■ Remote Ponds ● Visual Evaluation/ Photosimulation Location 	<p>VISIBILITY</p> <ul style="list-style-type: none"> ■ Area of potential project visibility where any portion of the Merrill Strip Twp Alternative structures may be visible within 5 miles based on the screening effects of topography and vegetation. <p>NOTES</p> <p>The analysis is based on a Digital Surface Model (DSM) processed at 10-foot resolution from first return LiDar point cloud data acquired from the USGS National Map. The viewer height is set at 0 feet above ground level elevation.</p> <p>The analysis shows where the viewer may see any portion of a transmission structure. Potential transmission line visibility needs to be confirmed with field investigations and other visualization techniques. See Exhibits C-1 and C-2.</p>	<p>MAP INDEX</p> <p>MS-1</p> <p>NORTH</p> <p>1 MILE</p> <p>tjd&a</p> <p>CENTRAL MAINE POWER</p> <p>October 10, 2019</p> <p>Page 4 of 4</p>
	<p>20 MILES</p>		<p>NORTH</p>

Exhibit D
**Merrill Strip Alternative – Protected Natural Resources &
Cultural Resources Survey Report**

September 18, 2019

Mr. Gerry Mirabile
Manager - NECEC Permitting
Avangrid Networks, Inc.
83 Edison Drive
Augusta, ME 04336

**RE: New England Clean Energy Connect (NECEC)
Merrill Strip Alternative, Protected Natural Resources & Cultural Resources Survey**

Dear Gerry,

TRC Companies, "TRC" completed a survey for protected natural resources and a Phase 0/1A survey for pre- and post-contact archaeological resources on the NECEC potential alternative corridor in Merrill Strip Township (Attachment 1). The survey area included an approximate one-mile corridor of a 250-foot width and three access easements along land management roads, collectively referred to as the "Alternative Corridor." The purpose of the protected natural and archaeological resources surveys was to determine if these resources exist within the Alternative Corridor. TRC's assessment consisted of the following:

- Review of previous surveys and findings for the NECEC project, in particular surveys of areas north of the Wyman Hydro Substation;
- Review of State of Maine and the US Fish & Wildlife Service (USFWS) Geographic Information Systems (GIS) databases for rare, threatened, or endangered (RTE) flora and fauna, Critical Habitat, and rare natural communities;
- On-site survey, August 28, 2019, of ecological communities and habitats for the occurrence and potential occurrence of protected natural resources such as Significant Wildlife Habitat (SWH) and Significant Vernal Pools (SVP); and
- Review of background information and consultation with the Maine Historic Preservation Commission (MHPC), including a walkover survey to determine if there is any potential for the occurrence of archaeological resources.

Field survey efforts completed for this assessment were organized to evaluate those areas not surveyed during previous protected natural resource surveys. During previous surveys, wetlands and streams were delineated within the transmission and guy anchor portion of the Alternative Corridor, but these resources were not delineated in the access easements. As such TRC completed a wetland and stream delineation within 50 feet of the centerline of each access easement. Other protected natural resources, such as RTE flora and fauna, and archaeological resources that had not been surveyed within any of the Alternative Corridor were subsequently surveyed and evaluated during this effort.

GIS Database Search

TRC evaluated the Maine Department of Environmental Protection (MDEP) and Maine Department of Inland Fisheries & Wildlife (MDIFW) databases of mapped Significant Wildlife Habitats and other protected habitat and resources. Each of the following protected natural resources can be found within the region, but none are present in the Alternative Corridor based on the GIS database:

- Inland Waterfowl & Wading Bird Habitat (IWWH);

- Significant & natural vernal pools;
- Deer Wintering Areas (DWA);
- RTE flora and fauna, and Species of Special Concern (SC); and
- MDIFW bald eagle nest data.

Agency Consultation

TRC used the existing natural resources agency consultations, primarily the MDIFW consultation from June 5, 2017, and the existing surveys completed for the proposed NECEC project to assess possible botanical RTE & SC species based on known occurrences and suitable habitat types. Furthermore CMP has continued outreach and consultation with the MDIFW into 2019.

Flora: Maine Natural Areas Program (MNAP) & USFWS

Botanical features based on MNAP data, which includes federally listed species, have been documented within 1,000 feet of the proposed NECEC transmission line corridor and are summarized in Table 1 below.

Table 1. RTE & SC Flora Documented Within 1,000 feet of the Proposed NECEC Corridor Based on Previous Consultation

Feature	State Status	Site Name	Town
Black Spruce Barren	N/A	Moore Pond	Bradstreet Twp
Boreal Bedstraw <i>Galium kamtschaticum</i>	SC	Peaked Mountain	Skinner Twp
Dry Land Sedge <i>Carex siccata</i>	SC	ROW at Androscoggin River	Lewiston
Enriched Northern Hardwoods Forest	N/A	Farmington Woods	Farmington
Long-leaved Bluet <i>Houstonia longifolia</i>	SC	Wyman Dam	Concord Twp, Moscow
Red-stemmed Gentian <i>Gentiana rubricaulis</i>	T	ROW South of Jackson Pond Road	Concord Twp
Spruce – Fir – Northern Hardwoods Ecosystem	N/A	Cold Stream Forest	West Forks Plt
Upper Floodplain Hardwood Forest	N/A	Kennebec River, Bingham Islands, Austin Brook	Bingham
Upper Floodplain Hardwood Forest	N/A	Carrabassett River	Anson
Wild Leek <i>Allium tricoccum</i>	SC	Corridor at mouth of Carrabassett River	Anson
Basswood -Ash-Red Maple Floodplain Forest (Upper Floodplain Hardwood Forest)	N/A	Unknown	Livermore Falls

Feature	State Status	Site Name	Town
Pale Green Orchis <i>Platanthera flava</i>	SC	Unknown	Wiscasset
Fall fimbry <i>Fimbristylis autumnalis</i>	T	Unknown	Lewiston region

Wildlife: MDIFW and USFWS

Numerous state and federal listed wildlife species are known to occur in the vicinity of the proposed NECEC. Table 2 provides a summary of those species, their listing and general habitat use.

Table 2. RTE and SC Faunal Species Documented in Western Maine Habitats

Species	State	Federal	General Habitat
Northern bog lemming (<i>Synaptomys borealis</i>)	T	NL	Peat bog or wet meadow communities >2,000 feet elevation, often near spruce fir forests
Brook floater (<i>Alasmidonta varicosa</i>);	T	NL	Streams and rivers with moderate flow and stable substrates such as coarse sand and gravel
Creeper (<i>Strophitus undulatus</i>)	SC	NL	Small perennial streams & rivers
Roaring brook mayfly (<i>Eperorus frisoni</i>);	T	NL	High-gradient, cold, subalpine streams
Northern spring salamander (<i>Gyrinophilus porphyriticus porphyriticus</i>);	SC	NL	Cold headwater streams and small rivers
Wood turtle (<i>Glyptemys insculpta</i>)	SC	NL	Clear flowing rivers and streams with moderate flow and rocky or gravelly bottoms
Great blue heron (<i>Ardea herodias</i>)	SC	NL	Nests in mature trees along or in standing water, can be found feeding in ponds, lakes, streams, rivers, or coastal areas
Bicknell's Thrush (<i>Catharus bicknelli</i>)	SC	NL	Nests in high altitude (-2,700ft or greater) spruce fir stands
Rusty blackbird (<i>euphagus carolinus</i>)	SC	NL	Nests in coniferous forests
Little brown bat (<i>Myotis lucifugus</i>)	E	NL	Hibernates in caves and mines over the winter, uses a variety of habitat and roosts in spring, summer, and fall seasons
Northern long-eared bat (<i>Myotis septentrionalis</i>)	E	T	Hibernates in caves or mines over the winter, roosts under tree bark, within the trunk of the tree or in caves/mines during spring, summer, and fall season
Eastern small footed bat (<i>Myotis leibii</i>)	T	NL	Hibernates in caves over the winter, roots in talus slopes, rocky cliff and shale fields during spring, summer, and fall seasons

Species	State	Federal	General Habitat
Red bat (<i>Lasiurus borealis</i>), hoary bat (<i>Lasiurus cinereus</i>), silver-haired bat (<i>Lasionycterus noctivigans</i>), and tri-colored bat (<i>Perimyotis subflvus</i>);	SC	NL	Utilize various forest types for roosting, tri-colored bat hibernates in caves during winter months
Bald eagle (<i>Haliaeetus leucocephalus</i>)	NL	BGEPA	Typically found near bodies of water and waterways from spring to fall. Nests in large trees near bodies of water.
Golden eagle (<i>Aquila chrysaetos</i>)	E	BGEPA	Mountainous and open areas in the west and north portions of the state.
Peregrine Falcon (<i>Falco peregrinus</i>) breeding population	E	NL	Nests on cliffs, buildings, or bridges, utilizes different habitat types for hunting small birds.
Canada lynx (<i>Lynx canadensis</i>)	SC	T	Spruce-fir stands in areas of heavy snowfall.
Cold water fisheries (i.e. brook trout (<i>Salvelinus fontinalis</i>))	NL	NL	Cold water streams

Results of Previous Surveys

Flora

RTE plants and rare natural communities found on other portions of the NECEC project, but not found in the immediate vicinity of the Merrill Strip corridor, include the following species:

- Small whorled pogonia (*Isotria medeoloides*) found in Greene;
- Red-stemmed gentian (*Gentiana rubricaulis*) found in Concord Township and Moscow;
- Goldie's wood Fern (*Dryopteris goldiana*) found in Moscow at two sites;
- Dry-spike sedge (*Carex siccata*) found in Lewiston;
- Long leaved bluet (*Houstonia longifolia*) found in Moscow;
- Clinton's bulrush (*Trichophorum clintonii*) found in Moscow;
- Boreal bedstraw (*Galium kamtschaticum*) found in Appleton Township at three sites;
- Yellowseed false pimpinell (*Lindernia dubia var. anagallidea*) found in Jay;
- Jack Pine Forest (lesser fritillary associated with this community) found in Bradstreet Township in three locations;
- Hardwood River Terrace Forest (wood turtle associated with this community) found in Anson;
- Hardwood Floodplain Forest found in Livermore Falls; and
- Enriched Northern Hardwood Forest found in Moxie Gore.

The following discussion addresses the occurrences of boreal bedstraw and Jack Pine forests found within the western Maine mountains that were surveyed during 2018. The remaining species and communities referenced above were found in dissimilar habitat and areas in excess of 30 miles from the Alternative Corridor with most being in or south of Moscow.

Boreal bedstraw was located approximately eight miles to the east of the Alternative Corridor in three distinct populations at the northern extent of the proposed transmission corridor. Three populations (16, 85 & 500 individuals) were found within Appleton Township in Somerset County on the northern slope of Tumbledown Mountain between 2,200 and 2,300 feet in elevation. The three populations were found on old logging roads that created mesic to saturated soil conditions in northern hardwood forests that have previously undergone timber harvest. The regenerating forest structure consisted of sugar maple (*Acer saccharum*) as dominant canopy interspersed with herbaceous wetlands with trees ranging from 6 to 12 inches in diameter.

In addition, three distinct examples of Jack Pine Forest were found approximately 16 miles to the east of the Alternative Corridor, all within Bradstreet Township in Somerset County. Two of the Jack Pine communities were impacted by forest management practices, while the third was a relatively large and undisturbed community.

Fauna

Northern bog lemming (NBL):

Suitable habitats for NBLs are alpine sedge meadows, krummholz, spruce-fir forest, typically black spruce (*Picea mariana*), with dense herbaceous and mossy understories, wet meadows, and mossy stream-sides, that are > 1,000 feet above MSL (Mean Sea Level) in western mountain and northern areas of Maine. Wetland delineations performed within the proposed corridor and Alternative Corridor during August 2015 did not identify any such suitable NBL habitat. Wetland habitats within the corridors have been impacted by forest management practices and some areas of wetlands have been created by disturbances. These wetlands did not have the dense sedge or other herbaceous plant growth that would provide suitable cover or forage for the NBL.

Alternative Corridor Existing Conditions

Overview

The Alternative Corridor extends across the northeast corner of Merrill Strip Township between Skinner and Beattie Townships at an approximate elevation of between 1,800-2,000 feet (Attachment 1). Terrain is moderately steep, approximately 6%, and there are no areas of steep slopes or cliffs; the corridor extends across a plain at the base of Smart Mountain (elev 3,245 feet). The site was "strip" cut as part of forest management as much as 20 years ago and is growing back in typical fashion with predominately hardwoods. Drainage of the Merrill Strip Township flows through numerous small streams into Number One Stream that eventually connects to Moose River, which subsequently flows into Attean Lake.

Wetland Delineation Methodology

TRC used the "Routine On-Site Determination Method" described in the United States Army Corps of Engineer's Wetland Delineation Manual (ACOE 1987) and Regional Supplement ACOE (2012) to define wetlands and their limits. The Natural Resources Protection Act definition of streams (Title 38, article 5-A, § 480-B (9)) was used to assess any features that would be classified as such. Global Positioning System technology was used to locate resource points and TRC biologists connected wetland points collected as part of this survey to those collected in 2015.

Vegetative Communities

The RTE species, wetland delineation and archaeological assessment of the Alternative Corridor took place on August 29, 2019. The crew of two biologists were familiar with the identification of and habitat use by RTE species that could be encountered during the survey. Delineations took place along Merrill Strip Road (aka Lowelltown Road) as well as an unnamed forest management road that splits off from Merrill Strip Road to the west. Merrill Strip Road is a gravel road approximately 20 feet wide that follows the proposed route to the north and crosses it at the north end of the Alternative Corridor near the township boundary (Attachment 2). The unnamed forest management road is approximately 15 feet wide and crosses approximately halfway along the Alternative Corridor. The northeast corner of the township where the Alternative Corridor crosses is relatively flat, sloping to the northeast from approximately 1,800 feet to 2,300 feet in elevation.

Wetland Delineation

Four wetlands were identified along the access roads leading to the Alternative Corridor (Attachment 2). Wetlands were delineated a minimum of 25 feet from the center of the road along Merrill Strip Road and the unnamed forest management road. A series of representative photographs is provided in Attachment 3 and a list of all flora identified is provided in Attachment 4.

W-001: This wetland was a small rectangular emergent wetland that was at one time likely part of the road drainage system. Species included sensitive fern (*Onoclea sensibilis*), with some regenerating sugar maples (*Acer saccharum*), melic manna grass (*Glyceria melicaria*) and spotted touch-me-not (*Impatiens capensis*). Attachment 5 provides the USACE paired plots for this wetland that quantifies vegetation and documents hydrology and soil conditions.

W-002: This wetland was the edge of a larger complex that expanded away from the road to the east. The area of the wetland within the survey boundary was emergent and comprised of sensitive fern, spotted touch-me-not, melic manna grass, Interrupted Fern (*Osmunda claytoniana*), fringed sedge (*Carex crinita*), eastern rough sedge (*Carex scabrata*), and common red raspberry (*Rubus ideaus*).

W-003: This anthropogenic wetland was an extension of a previously delineated wetland (WET-04-07) that crosses the alternative route. The area was a former laydown yard from previous forest management operations, which impacted the hydrology of the site. The site included sensitive fern, common red raspberry, common wrinkle-leaved goldenrod (*Solidago rugosa*), *Carex* spp. and melic manna grass.

W-004: This wetland was an extension of another previously delineated wetland (WET-04-06). It is very similar to wetland W-003, as it was also a laydown yard during logging operations. The species at the site included sensitive fern, common red raspberry, common wrinkle-leaved goldenrod, *Carex* spp. and melic manna grass.

None of the wetlands were suitable habitat for boreal bedstraw, and none was observed during the wetland delineation.

Rare, Threatened, and Endangered Species Survey

A survey for RTE species was conducted using a meandering technique. Biologists traveled through the Alternative Corridor, taking a meandering course and identifying any areas that required a more detailed investigation. The Alternative Corridor south of Merrill Road is beech, birch, and maple forest with sections that have been strip cut in the last 15 to 20 years. The canopy is comprised of yellow birch (*Betula alleghaniensis*), paper birch (*Betula papyrifera*), sugar maple and American beech (*Fagus grandifolia*). Mid-canopy species include striped maple (*Acer pensylvanicum*), mountain maple (*Acer*

spicatum), yellow birch and sugar maple. The understory is made up of regenerating sugar maples, hobblebush (*Viburnum lantanooides*), wood ferns (*Dryopteris* spp.) and other herbaceous plants. Skidder trails were comprised of sensitive fern, cinnamon fern (*Osmundastrum cinnamomeum*), spotted touch-me-not, common red raspberry, sugar maple and American beech saplings.

Areas that had not been strip cut were more open with a higher or more mature canopy providing a high level of shading, with sparse mid-canopy layer of sugar maple saplings. The understory in this area was predominantly identified as hobblebush and wood fern species.

An open, emergent wetland along the Alternative Corridor that was previously delineated (WET-04-07) was investigated (Attachment 2). This wetland is the same wetland referenced as W-003. The area was cleared during the previous forest management activity and appears to have been used as a main skidder road to the laydown yard. This wetland contained spotted touch-me-not, common wrinkle-leaved goldenrod, tall white aster (*Doellingeria umbellata*), and red maple (*Acer rubrum*).

Several other emergent wetlands that are covered by the tree canopy were previously delineated (Attachment 2). These wetlands had spotted touch-me-not, red maple, sensitive fern, and *Carex* spp. and displayed evidence of anthropogenic disturbance. These wetlands were WET-04-08, WET-MS-04-01, WET-MS-04-02, WET-MS-04-04, WET-MS-04-05, and WET-MS-04-07.

The density of balsam fir (*Abies balsamea*) and red spruce (*Picea rubens*) increased slightly north of Merrill Strip Road, but hardwoods still dominated the area surveyed. There two forested wetlands that had been previously delineated (WET- MS-04-06 and WET-MS-03-01), that make up a majority of the Alternative Corridor along this stretch. These wetlands were comprised of red maple, balsam fir, New York fern (*Parathelypteris noveboracensis*), sensitive fern, and *Carex* spp.

A jack pine (*Pinus banksiana*) forest community was identified nearby in Bradstreet Township during the previous RTE survey. Three populations of boreal bedstraw were found during previous surveys in Appleton Township in wetlands between 2,200 and 2,300 feet in elevation. No areas along the Alternative Corridor were found to be similar in nature that could be considered as suitable habitat for boreal bedstraw or to be home to any rare natural communities.

Observed wetland habitats were not appropriate for northern bog lemming, which requires a specific ecological community, given their location and species composition.

Review of State of Maine GIS data layers did not reveal the presence of any known Significant Vernal Pools, potentially SVPs, or natural pools. None of the wetlands in any portion of the Alternative Corridor exhibit the ecological conditions, such as the presence of a shallow depression, to provide vernal pool habitat. In addition, given the wetland communities found in the Alternative Corridor none are suitable as habitat for waterfowl or wading birds. Furthermore, the state GIS data has not mapped any moderate or high value IWWH in the Alternative Corridor.

Identified cover types were not suitable for deer wintering areas or Canada lynx (*Lynx canadensis*) foraging habitat as they are majority open hardwoods. Canada lynx have a large and variable home range and habitat use. While high quality foraging habitat does not exist in the Alternative Corridor there is potential for incidental or temporary use of these habitat types. Conversion to early successional habitat could create foraging habitat and provide some level of ecological benefit to lynx.

No perennial or intermittent streams or waterbodies were observed during the survey of the Alternative Corridor. Therefore, there would be no direct impacts to state threatened species such as the brook

floaters (*Alasmidonta varicosa*), Roaring Brook mayfly (*Eperorus frisoni*), Tomah mayfly (*Siphonisca aerodromia*), or state special concern species such as the northern spring salamander (*Gyrinophilus porphyriticus porphyriticus*), wood turtle (*Glyptemys insculpta*), or great blue heron (*Ardea Herodias*). Cold-water fisheries would also not be directly impacted.

Bald eagles (*Haliaeetus leucocephalus*) and golden eagles (*Aquila chrysaetos*) are protected under the Bald and Golden Eagle Protection Act and golden eagles are listed as endangered in Maine. Based on a review of the MDIFW bald eagle nest survey data there are no known nests within the vicinity. Peregrine falcons (*Falco peregrinus*) (state endangered breeding population) and golden eagles have been observed migrating through this region of the state. Golden eagles and peregrine falcons are also known to nest on cliffs and outcroppings in the region. Due to the location of the Alternative Corridor it is unlikely there will be any direct impacts to either species due to a lack of suitable habitat for both foraging and nesting for both species.

Bicknell's thrush (*Catharus bicknelli*) (state listed special concern) have been found on mountains in the region, however the elevation and forest communities in the Alternative Corridor do not represent suitable habitat. Clearing the forested communities in the corridor will not pose a risk to nesting and foraging habitat for this species. Rusty blackbirds are known to nest in coniferous forests, which do not exist in the Alternative Corridor.

Little brown bat (*Myotis lucifugus*) (state endangered), Northern long-eared bat (*Myotis septentrionalis*) (state endangered, federal threatened), Eastern small footed bat (*Myotis leibii*) (state threatened), and bats of special concern; Red bat (*Lasiurus borealis*), hoary bat (*Lasiurus cinereus*), silver-haired bat (*Lasionycterus noctivigans*), and tri-colored bat (*Perimyotis subflvus*) all could use forested habitat within the Alternative Corridor; further study would be necessary to identify which species were present. At this time TRC has no information as to whether other bat studies have been completed. Avoiding impacts to breeding individuals can be prevented by avoiding clearing forested vegetation during the pup rearing season, typically June and July.

Archaeological Survey

In consultation with the MHPC State Archaeologist, TRC developed a protocol for completing a Phase 0/1A survey of the Alternative Corridor. The State Archaeologist evaluated background materials and known archaeological resources and provided oversight of the Phase 0 assessment. TRC utilized environmental staff to assess and document site conditions in support of a Phase 1A study to determine the potential for the occurrence of archaeological resources that could be potentially eligible for listing on the National Register of Historic Places (NRHP). Based on an archaeological assessment (Attachment 6) it is unlikely that the Alternative Corridor includes any areas or conditions of archaeological sensitivity.

Summary

TRC completed this protected natural resource survey of the Alternative Corridor using a variety of techniques. Previously completed agency consultations were reviewed to determine the potential occurrence of protected resources within the region. The state GIS based data was also reviewed for the mapped occurrences of SWH and other protected natural resources such as SVPs. Previous surveys completed for the Alternative Corridor and the proposed NECEC corridor were reviewed to evaluate the likelihood of occurrence of RTE. The Alternative Corridor was previously field surveyed for wetlands, streams, and potential vernal pools. A field survey by two qualified biologists was completed

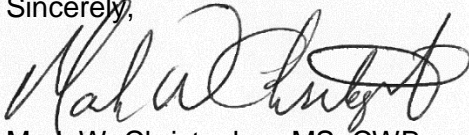
Mr. Gerry Mirabile
September 18, 2019
Page 9 of 20

to document specific habitat types, the extent of wetlands and streams, and the likely occurrence of any RTE species. Archaeologists completed a phase 1A assessment of the Alternative Corridor to determine the potential for the occurrence of archaeological resources that could be potentially eligible for listing on the NRHP.

TRC's assessment and field survey determined that SWHs do not exist in the Alternative Corridor. Suitable conditions or habitats were not found with the Alternative Corridor for RTE flora and fauna. It is possible that far ranging or migrating species or dispersing individuals could temporarily use habitat on site. Based on an archaeological assessment (Attachment 6) it is unlikely that the Alternative Corridor includes any areas or conditions of archaeological sensitivity.

Thank you for the opportunity to complete the protected natural resources and archaeological surveys on the Merrill Strip Alternative Corridor. Please call me at 207-620-3844 or via email at mchristopher@trccompanies.com (please note the new domain name) with any questions or comments.

Sincerely,

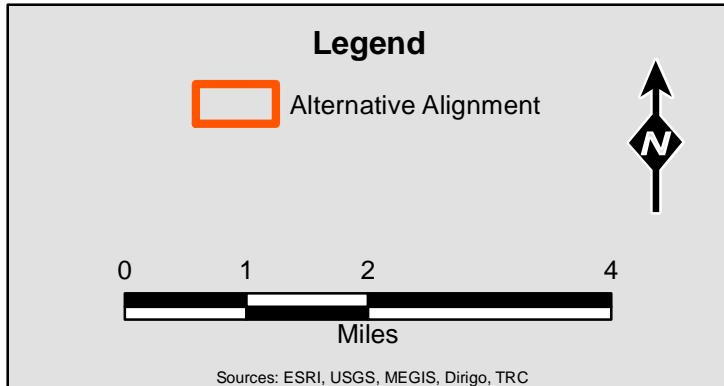
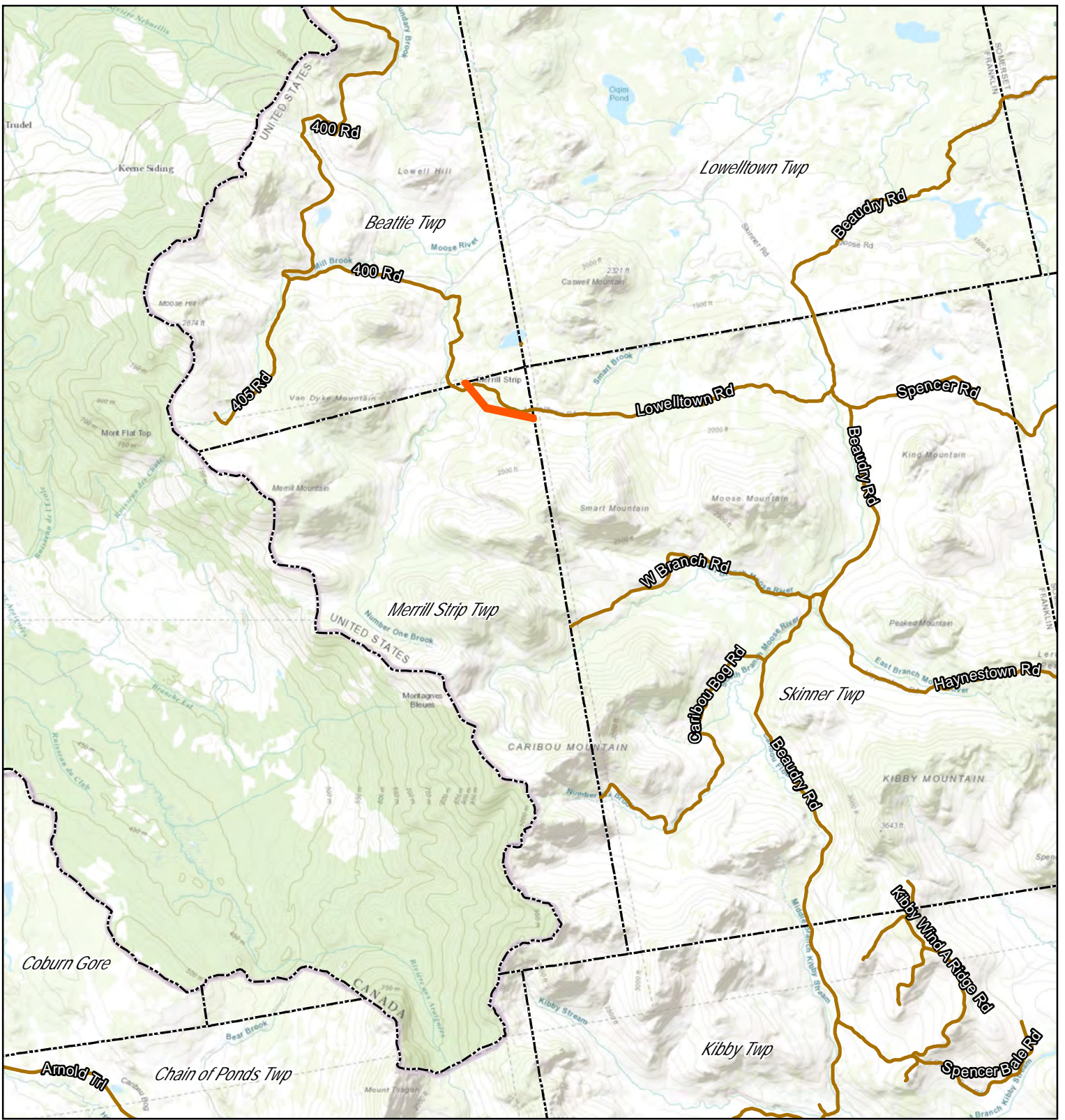



Mark W. Christopher, MS, CWB
Project Manager

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14 Gabriel Drive
Augusta, ME 04330
207-620-3844 (o)
207-441-4225 (c)
207-621-8226 (f)

Attachment 1

Location of the Merrill Strip Alternative Corridor






Dirigo Partners, Ltd.
INTEGRATED REALTY SOLUTIONS

New England Clean Energy Connect

Merrill Strip Alternative Alignment Location Figure

Created: 9/16/2019

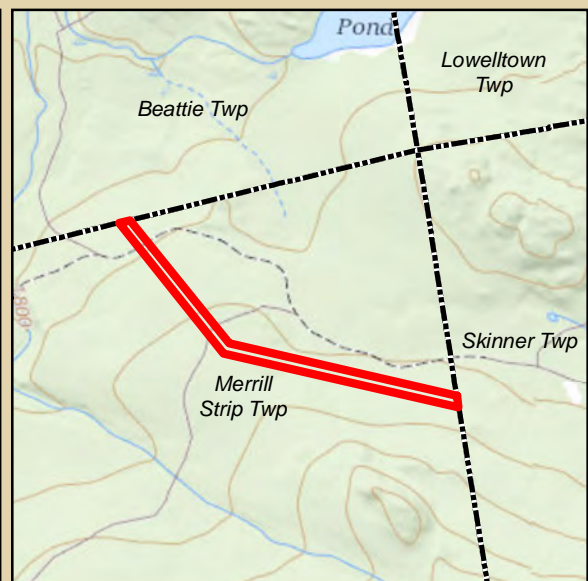
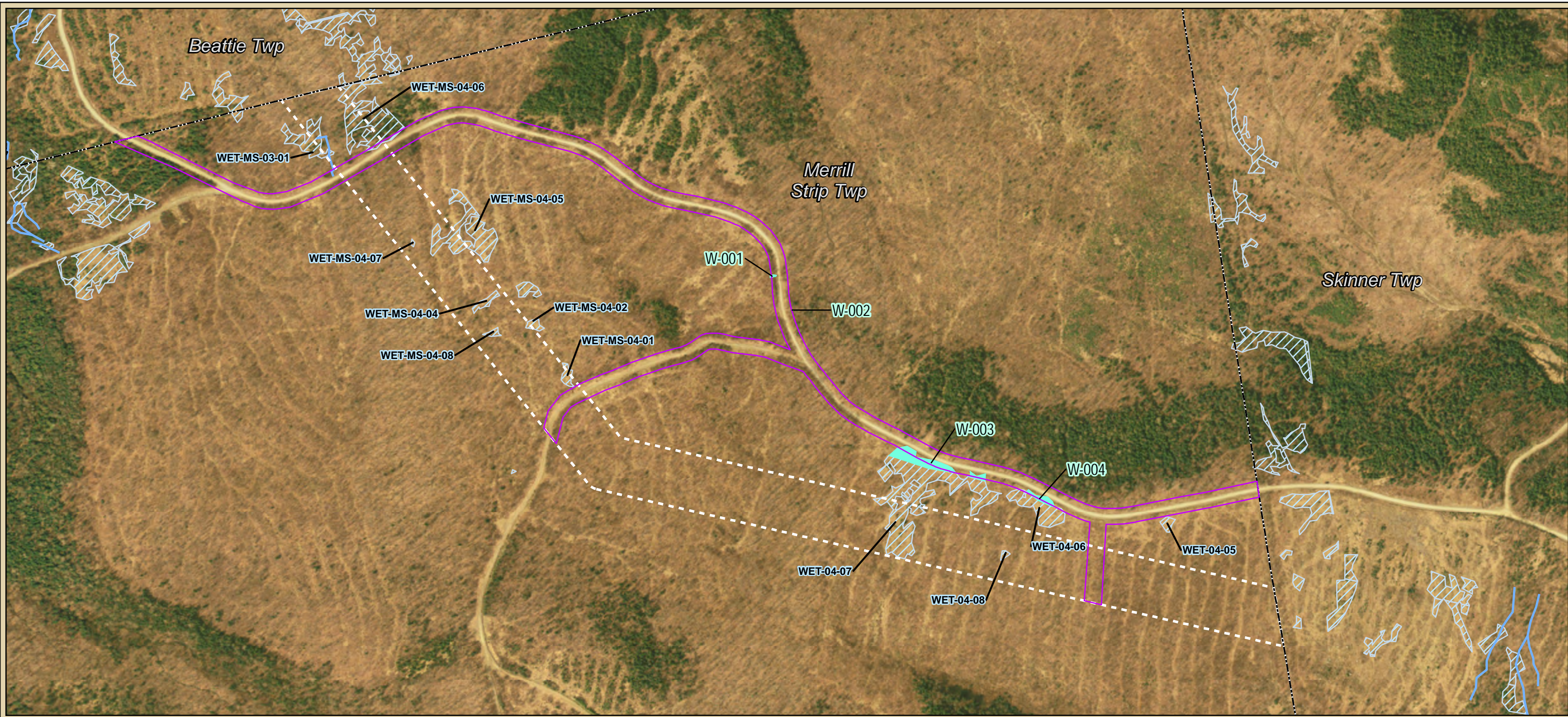


14 Gabriel Drive
Augusta, ME 04330

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Attachment 2

Merrill Strip Alternative Corridor Protected Resources Aerial



Legend

Streams Delineated by Others	Access Easement
Wetlands Delineated on 08/29/2019	Alternative Alignment Surveyed Area
Wetlands Delineated by Others	Township Boundary

0 1,000 2,000
Feet

Sources: USGS, MEGIS, TRC, Dirigo, CMP

New England Clean Energy Connect

Merrill Strip Alternative Alignment Protected Resources

14 Gabriel Drive
Augusta, ME 04330

9/18/2019

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Attachment 3
Site Survey Photos



Photo 1. Example of Hardwood Forested Upland-Un-harvested.



Photo 2. Example of Hardwood Regeneration in Strip Cut Area.



Photo 3. Skidder Trail Proposed Access Easement.



Photo 4. Shrub/herbaceous Wetland in the Corridor.

Attachment 4

List of Flora Documented in the Alternative Corridor

Scientific Name	Common Name
<i>Abies balsamea</i>	balsam fir
<i>Acer pensylvanicum</i>	striped maple
<i>Acer rubrum</i>	red maple
<i>Acer saccharum</i>	sugar maple
<i>Acer spicatum</i>	mountain maple
<i>Anaphalis margaritacea</i>	pearly everlasting
<i>Apocynum cannabinum</i>	hemp dogbane
<i>Aralia nudicaulis</i>	wild sarsaparilla
<i>Athyrium angustum</i>	lady fern
<i>Betula alleghaniensis</i>	yellow birch
<i>Betula papyrifera</i>	paper birch
<i>Brachyelytrum aristosum</i>	northern short husk grass
<i>Calamagrostis canadensis</i> var. <i>canadensis</i>	robust bluejoint
<i>Carex crinita</i>	fringed sedge
<i>Carex folliculata</i>	northern long sedge
<i>Carex lucorum</i>	Blue Ridge sedge
<i>Carex scoparia</i>	pointed broom sedge
<i>Clintonia borealis</i>	yellow bluebead-lily
<i>Cornus alternifolia</i>	alternate-leaved dogwood
<i>Corylus cornuta</i>	beaked hazelnut
<i>Dennstaedtia punctilobula</i>	eastern hay-scented fern
<i>Doellingeria umbellata</i>	tall white-aster
<i>Dryopteris carthusiana</i>	spinulose wood fern
<i>Dryopteris intermedia</i>	evergreen wood fern
<i>Epilobium coloratum</i>	eastern willow-herb
<i>Epipactis helleborine</i>	broad-leaved helleborine
<i>Eurybia divaricata</i>	white wood-aster
<i>Eutrochium maculatum</i>	spotted Joe-Pye weed
<i>Fagus grandifolia</i>	American beech
<i>Fragaria virginiana</i> ssp. <i>virginiana</i>	common strawberry
<i>Galeopsis bifida</i>	split-lipped hemp-nettle
<i>Galium trifidum</i>	three-petaled bedstraw
<i>Geum aleppicum</i> ssp. <i>strictum</i>	yellow avens
<i>Glyceria melicaria</i>	northeastern mannagrass
<i>Glyceria striata</i>	fowl mannagrass
<i>Gymnocarpium dryopteris</i>	northern oak fern
<i>Impatiens capensis</i>	spotted touch-me-not
<i>Lonicera villosa</i>	mountain honeysuckle
<i>Luzula parviflora</i> ssp. <i>melanocarpa</i>	small-flowered wood rush

Scientific Name	Common Name
<i>Lycopus uniflorus</i>	northern water-horehound
<i>Lysimachia borealis</i>	starflower
<i>Maianthemum canadense</i>	Canada-mayflower
<i>Maianthemum racemosum</i>	feathery false Solomon's-seal
<i>Nabalus altissimus</i>	tall rattlesnake-root
<i>Onoclea sensibilis</i>	sensitive fern
<i>Osmunda regalis var. spectabilis</i>	royal fern
<i>Osmundastrum cinnamomeum</i>	cinnamon fern
<i>Oxalis montana</i>	northern wood sorrel
<i>Parathelypteris noveboracensis</i>	New York fern
<i>Persicaria sagittata</i>	arrow-leaved tearthumb
<i>Phegopteris connectilis</i>	long beech fern
<i>Picea rubens</i>	red spruce
<i>Prunus pensylvanica</i>	pin cherry
<i>Prunus serotina</i>	black cherry
<i>Rubus allegheniensis</i>	common blackberry
<i>Rubus idaeus ssp. strigosus</i>	strigose red raspberry
<i>Salix bebbiana</i>	long-beaked willow
<i>Sambucus racemosa</i>	red elderberry
<i>Solidago canadensis var. canadensis</i>	Canada goldenrod
<i>Solidago rugosa ssp. rugosa</i>	common wrinkle-leaved goldenrod
<i>Sorbus americana</i>	American mountain-ash
<i>Spiraea alba var. latifolia</i>	meadowsweet
<i>Spiraea tomentosa</i>	rosy meadowsweet
<i>Streptopus amplexifolius</i>	clasping-leaved twistedstalk
<i>Symphotrichum novi-belgii var. novi-belgii</i>	New York American-aster
<i>Thalictrum pubescens</i>	tall meadow-rue
<i>Tiarella cordifolia</i>	foam-flower
<i>Trillium erectum</i>	red wakerobin
<i>Viburnum lantanoides</i>	hobblebush

Attachment 5

USACE Paired Plot Wetland Routine Wetland Delineation Forms

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Merrill Strip City/County: Merrill Strip, Franklin Sampling Date: 2019-Aug-29
 Applicant/Owner: CMP State: _____ Sampling Point: 0-0-2; PEM-1
 Investigator(s): Meg Stevenson, mes, Erik Lema, Lead Section, Township, Range: Merrill Strip TWP
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 1-10
 Subregion (LRR or MLRA): _____ Lat: 45.4924847 Long: -70.6371756 Datum: WGS84
 Soil Map Unit Name: _____ NWI classification: _____

Are climatic/hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes No _____
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No _____		
Hydric Soil Present?	Yes _____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No _____
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No _____	If yes, optional Wetland Site ID:	0-0-2
Remarks: (Explain alternative procedures here or in a separate report)			

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input checked="" type="checkbox"/> Microtopographic Relief (D4)
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes _____ No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No _____
Water Table Present? Yes _____ No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? Yes <input checked="" type="checkbox"/> No _____	Depth (inches): <u>0</u>	
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

SOIL

Sampling Point: 0-0-2; PEM-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
1 - 4	10YR 3/3						Sandy Loam	
4 - 11	2.5Y 5/2						coarse Loamy Sand	

¹Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. ²Location: PL = Pore Lining, M = Matrix.

Hydric Soil Indicators: <input type="checkbox"/> Histosol (A1) <input type="checkbox"/> Histic Epipedon (A2) <input type="checkbox"/> Black Histic (A3) <input type="checkbox"/> Hydrogen Sulfide (A4) <input type="checkbox"/> Stratified Layers (A5) <input type="checkbox"/> Depleted Below Dark Surface (A11) <input type="checkbox"/> Thick Dark Surface (A12) <input type="checkbox"/> Sandy Mucky Mineral (S1) <input type="checkbox"/> Sandy Gleyed Matrix (S4) <input type="checkbox"/> Sandy Redox (S5) <input type="checkbox"/> Stripped Matrix (S6) <input type="checkbox"/> Dark Surface (S7) (LRR R, MLRA 149B)	Indicators for Problematic Hydric Soils³: <input type="checkbox"/> Polyvalue Below Surface (S8) (LRR R, MLRA 149B) <input type="checkbox"/> Thin Dark Surface (S9) (LRR R, MLRA 149B) <input type="checkbox"/> Loamy Mucky Mineral (F1) (LRR K, L) <input type="checkbox"/> Loamy Gleyed Matrix (F2) <input type="checkbox"/> Depleted Matrix (F3) <input type="checkbox"/> Redox Dark Surface (F6) <input type="checkbox"/> Depleted Dark Surface (F7) <input type="checkbox"/> Redox Depressions (F8)	<input type="checkbox"/> 2 cm Muck (A10) (LRR K, L, MLRA 149B) <input type="checkbox"/> Coast Prairie Redox (A16) (LRR K, L, R) <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) <input type="checkbox"/> Dark Surface (S7) (LRR K, L) <input type="checkbox"/> Polyvalue Below Surface (S8) (LRR K, L) <input type="checkbox"/> Thin Dark Surface (S9) (LRR K, L) <input type="checkbox"/> Iron-Manganese Masses (F12) (LRR K, L, R) <input type="checkbox"/> Piedmont Floodplain Soils (F19) (MLRA 149B) <input type="checkbox"/> Mesic Spodic (TA6) (MLRA 144A, 145, 149B) <input type="checkbox"/> Red Parent Material (F21) <input type="checkbox"/> Very Shallow Dark Surface (TF12) <input type="checkbox"/> Other (Explain in Remarks)
--	---	--

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):	Hydric Soil Present?
Type: <u>None</u>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Depth (inches): _____	

Remarks:

Photo of Sample Plot



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Merrill Strip City/County: Merrill Strip, Franklin Sampling Date: 2019-Aug-29

Applicant/Owner: CMP State: Maine Sampling Point: 0-0-2; UPL-1

Investigator(s): Meg Stevenson, mes, Erik Lema, Lead Section, Township, Range: Merrill Strip

Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): None Slope (%): 1-10

Subregion (LRR or MLRA): _____ Lat: 45.4924755 Long: -70.6371387 Datum: WGS84

Soil Map Unit Name: _____ NWI classification: _____

Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)

Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No

Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures here or in a separate report)			

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)	
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)	
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)	
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)	
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)	
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)	
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)	
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)	
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)	
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)	
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)	
		<input type="checkbox"/> FAC-Neutral Test (D5)	
Field Observations:			
Surface Water Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Water Table Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
(includes capillary fringe)			
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
Remarks:			

VEGETATION -- Use scientific names of plants.

Sampling Point: 0-0-2; UPL-1

<u>Tree Stratum</u> (Plot size: <u>30-ft radius</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <i>Acer saccharum</i>	35	Yes	FACU
2. <i>Betula alleghaniensis</i>	25	Yes	FAC
3. <i>Betula papyrifera</i>	2	No	FACU
4. <i>Prunus pensylvanica</i>		No	FACU
5. _____			
6. _____			
7. _____			
	62	= Total Cover	
Sapling/Shrub Stratum	(Plot size: 15-ft radius)		
1. <i>Acer spicatum</i>	30	Yes	FACU
2. <i>Viburnum lantanoides</i>	15	Yes	FACU
3. <i>Acer saccharum</i>	5	No	FACU
4. <i>Acer pensylvanicum</i>	5	No	FACU
5. <i>Abies balsamea</i>	2	No	FAC
6. _____			
7. _____			
	57	= Total Cover	
Herb Stratum	(Plot size: 5-ft radius)		
1. <i>Dryopteris intermedia</i>	10	Yes	FAC
2. <i>Aralia nudicaulis</i>	35	Percent cover cannot be greater than a previous species	FACU
3. <i>Trientalis borealis</i>	2	No	FAC
4. <i>Acer pensylvanicum</i>	1	No	FACU
5. <i>Acer spicatum</i>	1	No	FACU
6. _____			
7. _____			
8. _____			
9. _____			
10. _____			
11. _____			
12. _____			
	49	= Total Cover	
Woody Vine Stratum	(Plot size: 30-ft radius)		
1. _____			
2. _____			
3. _____			
4. _____			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 40 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply By:
OBL species 0	x 1 = 0
FACW species 0	x 2 = 0
FAC species 39	x 3 = 117
FACU species _____	x 4 = _____
UPL species 0	x 5 = 0
Column Totals (A)	(B)

Prevalence Index = B/A = _____

Hydrophytic Vegetation Indicators:

___ 1- Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is > 50%

___ 3 - Prevalence Index is ≤ 3.0¹

___ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ___ No

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: 0-0-2; UPL-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
1 - 2	10YR 3/3						Sandy Loam	
2 - 2.5	2.5Y 6/1						Sandy Loam	
2.5 - 7	10YR 4/4						Sandy Loam	

¹Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. ²Location: PL = Pore Lining, M = Matrix.

Hydric Soil Indicators:

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Dark Surface (S7) (LRR R, MLRA 149B)
- Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- Thin Dark Surface (S9) (LRR R, MLRA 149B)
- Loamy Mucky Mineral (F1) (LRR K, L)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- Coast Prairie Redox (A16) (LRR K, L, R)
- 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- Dark Surface (S7) (LRR K, L)
- Polyvalue Below Surface (S8) (LRR K, L)
- Thin Dark Surface (S9) (LRR K, L)
- Iron-Manganese Masses (F12) (LRR K, L, R)
- Piedmont Floodplain Soils (F19) (MLRA 149B)
- Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- Red Parent Material (F21)
- Very Shallow Dark Surface (TF12)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):		Hydric Soil Present?	
Type:	None	Yes	No <input checked="" type="checkbox"/>
Depth (inches):			

Remarks:

Photo of Sample Plot



Attachment 6
Archaeological Survey Memorandum



TRC
71 Oak St
Ellsworth, ME 04605

Memorandum

To: Mark Christopher, Project Manager, TRC Augusta, ME
From: Karen E. Mack, Senior Archeologist, TRC Ellsworth, ME
Subject: New England Clean Energy Connect (NECEC) alternative corridor, Merrill Strip Twp, Franklin County, ME
Date: September 11, 2019

Project Description

TRC Companies, "TRC" completed a Phase IA survey for pre and post-contact archaeological resources on the NECEC alternative corridor in the Merrill Strip Township (Attachment 1). The survey area included an approximate one-mile corridor of a 150-foot width, guy anchor easement, and three access easements, essentially two forest management unimproved roads and a trail, collectively referenced as "Alternative Corridor" (Attachment 2).

Environmental Setting

The Alternative Corridor is located in the northeast corner of T2 R7 WBKP Merrill Strip approximately 853 m south of Beattie Pond on the lower northern slope of Smart Mountain. Number One Brook runs from north to south approximately 255 m west of the western most forest management road included in the Alternative Corridor. The easement lies further to east of Number One Brook and approximately 770 m north of a tributary to Number One Brook that flows east to west. A review of historic USGS topographic maps show no mapped structures within the Alternative Corridor. The forest management road first appears on the 1973 topographic map and is later designated as Lowelltown Rd. A structure is located to the west of the Alternative Corridor near the eastern bank of Number One Brook on the 1935 topographic map. It is still shown on the 1973 topographic map but is not depicted on the most recent topographic maps dated 2014. A review of historic aerial imagery from 2007 to 2015 showed that the location was harvested for timber in the early 2000s and does not appear to have been cut since then. Soil in the Alternative Corridor are mapped by the Natural Resource Conservation Service as Telos-Chesuncook association (TCC) 3 – 15% slopes, very stony in the western portion of the Alternative Corridor and Monarda-Telos (MTB) complex, 0 – 8% slopes, very stony in the eastern portion. Both of these soil units are composed of poorly drained loamy lodgment till. The depth to the water table in MTB is between 0 – 12 inches and in TCC is between 6 - 20 inches.

Results of Cultural Resources Review

On September 11, 2019 Dr. Arthur Spiess of MHPC confirmed via email that no documented archaeological sites exist within 12 km of the Alternative Corridor.

Walkover Survey Results

A walkover survey of the area was conducted by Megan Stevenson and Erik Lema (TRC) on August 29, 2018. No streams or waterbodies were identified with the Alternative Corridor and no above ground cultural features were identified. The walkover confirms the area had been cut over and is currently vegetated in immature hardwoods with some open grassy areas. Cobbles and boulders are visible on the ground surface in many locations.

Summary

Based on desktop review of map data and walkover survey of the Alternative Corridor the location does not appear sensitive for archaeological resources. No mapped historic structures exist within the Corridor and no above ground historic features were identified in the field. The location is far removed from navigable water resources and the sediments are rocky and poorly drained therefore it is not likely that it would have been a desirable location for precontact Native settlement. Finally, the area has been previously disturbed by logging activities, skidder trails from harvesting activities in the early 2000s are still visible on aerial imagery. Based on these data we conclude that the location is not sensitive for cultural resources. Therefore, we do not recommend any additional archaeological investigations for the Alternative Corridor as currently proposed.

References Not Listed in Tables

Natural Resources Conservation Service
2019 <http://websoilsurvey.sc.egov.usda.gov>.

<https://www.historicaerials.com/>
accessed 2019

U.S. Geologic Survey
1932 15 Minute Quadrangle Map, Chain Ponds, ME. Washington D.C
1935 15 Minute Quadrangle Map, Chain Ponds, ME. Washington D.C
1945 15 Minute Quadrangle Map, Chain Ponds, ME. Washington D.C
1951 15 Minute Quadrangle Map, Chain Ponds, ME. Washington D.C
1961 15 Minute Quadrangle Map, Chain Ponds, ME. Washington D.C
1973 7.5 Minute Quadrangle Map, Skinner, ME. Washington D.C
2014 7.5 Minute Quadrangle Map, Skinner, ME. Washington D.C
<http://www.historicaerials.com>
accessed 2019

Exhibit E
MHPC No Effects Letter



MAINE HISTORIC PRESERVATION COMMISSION
55 CAPITOL STREET
65 STATE HOUSE STATION
AUGUSTA, MAINE
04333

JANET T. MILLS
GOVERNOR

KIRK F. MOHNEY
DIRECTOR

September 26, 2019

Mr. Mark Christopher
TRC
14 Gabriel Drive
Augusta, ME 04333

Project: MHPC# 1285-19/ 1148-17 NECEC
Merrill Strip Twp Alternative Corridor
Town: Franklin County, ME

Dear Mr. Christopher:

In response to your recent request, I have reviewed the information received September 23, 2019 to initiate consultation on the above referenced project in accordance with Section 106 of the National Historic Preservation Act of 1966, as amended (NHPA).

Based on the information submitted, I have concluded that there will be no historic properties (architectural or archaeological) affected by this proposed undertaking, as defined by Section 106.

Please contact Megan Rideout at (207) 287-2992 or megan.m.rideout@maine.gov if we can be of further assistance in this matter.

Sincerely,

Kirk F. Mohney
State Historic Preservation Officer

Exhibit F
NECEC Compensation Summary Table

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	Little Jimmie Pond-Harwood Tract	Pooler Pond Tract	Total Compensation	
						Total Acres= 831.39	Total Acres= 109.77	Total Acres= 81.24	Total Area= 1022.40	
Impact to Wetlands	Permanent Fill in Wetlands (Non-WOSS)	13,389	0.307	USACE & MDEP	30:1 ⁶ USACE ratio applied	9.22	423.96 of wetland preservation	68.46 of wetland preservation	18.33 of wetland preservation	510.75 acres of wetland preservation to offset 4.12 acres of Permanent Fill in Wetlands (WOSS and Non-WOSS), 28.48 acres of Temporary Wetland Fill in PSS, and 105.25 of Permanent Forested Wetland Conversion, which is 14.38 acres over the amount of compensation required. \$154,369.29 ILF for Temporary Wetland Fill in PEM.
	Permanent Fill in WOSS ³	166,146	3.814	USACE & MDEP	30:1 ⁶ USACE ratio applied	114.43				
	Temporary Wetland Fill in PEM (<18 months)	834,339	19.154	USACE	See Exhibit 1-5A In-Lieu Fee Summary					
	Temporary Wetland Fill in PSS ⁴ (<18 months)	1,240,767	28.484	USACE	20:1 x 0.10 USACE ratio applied	56.97				
	Permanent Forested Wetland Conversion ⁵	4,584,778	105.252	USACE	20:1 x 0.15 USACE ratio applied	315.76				
	Total Impact:	6,839,419	157.011		Total Ac. Required:	496.37				
Impact to Significant Vernal Pool Habitat (250')	Permanent Wetland Fill in SVPH	32,365	0.743	USACE & MDEP	See Exhibit 1-5A In-Lieu Fee Summary		See Exhibit 1-5A In-Lieu Fee Summary		\$623,657.53 ILF amount	
	Permanent Forested Wetland Conversion SVPH	160,213	3.678	USACE & MDEP						
	Permanent Upland Fill in SVPH	31,330	0.719	MDEP						
	Permanent Upland Conversion in SVPH	1,201,027	27.572	MDEP						
	Total Impact:	1,424,935	32.712							Total Ac. Required:
Impact to USACE Jurisdictional Vernal Pools	Direct Fill in Vernal Pool Depression or 100' Envelope	96,536	2.216	USACE	See Exhibit 1-5A In-Lieu Fee Summary		See Exhibit 1-5A In-Lieu Fee Summary		\$2,015,269.01 ILF amount	
	High Value Vernal Pools ⁷	48		USACE						
	Medium Value Vernal Pools	122		USACE						
	Low Value Vernal Pools	71		USACE						
	Total Impact:	2.22 acres of direct fill / 241 vernal pools								Total Ac. Required:
Impact to Inland Wading Bird & Waterfowl	Permanent Wetland Fill in IWWH	149	0.003	USACE & MDEP	See Exhibit 1-5A In-Lieu Fee Summary		See Exhibit 1-5A In-Lieu Fee Summary		\$253,352.53 ILF amount	
	Permanent Forested Wetland Conversion IWWH	114,232	2.622	USACE & MDEP						
	Permanent Upland Fill in IWWH	598	0.014	MDEP						
	Permanent Upland Conversion in IWWH	539,556	12.387	MDEP						
	Total Impact:	654,535	15.026							Total Ac. Required:
						Total In-Lieu Fee Payment			\$3,046,648.37	
						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 1-5A: 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	13,389	0.307	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 WOSS³ See Exhibit 1-4	166,146	3.814	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	834,339	19.154	Natural Resource Enhancement & Restoration Cost/Sq. Ft. X Avg. Assessed Land Value/Sq. Ft	1	USACE only	5%	\$154,369.29
	Temporary Wetland Fill in PSS⁴ (<18 months) See Exhibit 1-4	1,240,767	28.484	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 Conversion⁵ See Exhibit 1-4	4,584,778	105.252	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	32,365	0.743	Natural Resource Enhancement & Restoration Cost/Sq. Ft. X Avg. Assessed Land Value/Sq. Ft	2	100%	100%	\$244,669.00
	Permanent Forested Wetland Conversion SVPH See Table 1-5.3	160,213	3.678	Natural Resource Enhancement & Restoration Cost/Sq. Ft. X Avg. Assessed Land Value/Sq. Ft	1	60%	15%	\$318,962.49
	Permanent Upland Fill in SVPH See Table 1-5.4	31,330	0.719	Avg. Assessed Land Value/Sq. Ft	1	100%	DEP only	\$5,293.70
	Permanent Upland Conversion in SVPH See Table 1-5.5	1,201,027	27.572	Avg. Assessed Land Value/Sq. Ft	1	60%	DEP only	\$54,732.34
Impact to USACE Jurisdictional Vernal Pool Habitat⁷ (750')	Direct Fill in Vernal Pool Depression or 100' Envelope See Table 1-5.6a	96,536	2.216	Natural Resource Enhancement & Restoration Cost/Sq. Ft. X Avg. Assessed Land Value/Sq. Ft	1	USACE only	100%	\$382,118.01
	High Value Vernal Pools⁷ 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	149	0.003	Natural Resource Enhancement & Restoration Cost/Sq. Ft. X Avg. Assessed Land Value/Sq. Ft	2	100%	100%	\$1,165.18
	Permanent Forested Wetland Conversion IWWH Table 1-5.8	114,232	2.622	Natural Resource Enhancement & Restoration Cost/Sq. Ft. X Avg. Assessed Land Value/Sq. Ft	1	60%	15%	\$238,446.60
	Permanent Upland Fill in IWWH See Table 1-5.9	598	0.014	Avg. Assessed Land Value/Sq. Ft	1	100%	DEP only	\$56.80
	Permanent Upland Conversion in IWWH See Table 1-5.10	539,556	12.387	Avg. Assessed Land Value/Sq. Ft	1	60%	DEP only	\$13,683.95
Total In-Lieu Fee Payment								\$3,046,648.37

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.

Exhibit 1-5B: Summary of Compensation Resulting from Consultation with Resource Agencies

Impact Type		Resource Impact		Compensation Rationale	Resource Agency/Fund	Monetary Contribution/Land Preservation
		Sq ft	Acres			
Impact to Unique Natural Communities (MNAP)	Forested Conversion in Unique Natural Communities See Table 1-5.11	402,008	9.229	(Area of impact + MNAP identified directional buffers) x Avg. Assessed Land Value/Sq. Ft ¹ x Multiplier of 8	Maine Natural Areas Conservation Fund	\$1,224,526.82
	Forested Conversion to Goldie's Wood Fern	Goldie's Wood Fern		MNAP determined that adequate compensation for clearing impacts to the Goldie's Wood Fern is funding for rare plant surveys. The amount of funding was mutually agreed upon by MNAP and CMP.	Maine Natural Areas Conservation Fund	\$10,000.00
Impact to Rare Species Streams (MDIFW)	Forested Conversion in the Roaring Brook Mayfly and Northern Spring Salamander Conservation Management Areas See Table 1-5.12	1,150,681	26.416	Avg. Assessed Land Value/Sq. Ft ¹ x Multiplier of 8 ²	Maine Endangered and Nongame Wildlife Fund	\$469,771.95
Impact to Coldwater Fisheries (MDEP / MDIFW)	Forested Conversion in Riparian Buffers	11.02 linear miles of all waterbodies within the NECEC project area will be impacted by forested conversion.	The Grand Falls Tract, Lower Enchanted Tract, and Basin Tract total 1053.50 acres, and contain 12.02 linear miles of stream to offset forest conversion impacts to riparian buffers within the NECEC project area.		Conservation recipient to be determined	1053.50 acres of Land Preservation containing 12.02 linear miles of stream.
			The Culvert Replacement Program includes repair, removal or replacement of culverts within CMP-controlled lands during construction of the NECEC. Additionally, CMP will provide funding sufficient to replace approximately 20-35 culverts on lands outside of CMP's ownership.		Grant recipient to be determined	\$200,000.00
			The monetary contribution amount was based on the estimated labor and equipment costs to implement Chop and Drop on 87 perennial streams (Segment 1), which has been removed from the Compensation Plan at the request of MDIFW.		Maine Endangered and Nongame Wildlife Fund	\$180,000.00
Impact to Outstanding River Segments ³ (MDEP)	Four Outstanding River Segments will be impacted by forested conversion.	425 linear feet or 850 feet of river frontage (both banks)		The Grand Falls Tract, Lower Enchanted Tract, and Basin Tract, collectively offer 7.9 miles of frontage on the Dead River, an Outstanding River Segment.	Conservation recipient to be determined	7.9 miles of frontage preserved on an Outstanding River Segment
Impact to Deer Wintering Areas (DWA) (MDIFW)	Forested Conversion in the Upper Kennebec DWA	1,707,943	39.209	Preservation of 717 acres within the Upper Kennebec DWA, which is sufficiently more than the recommended 8:1, an excess of 402 acres, and at a ratio of greater than 18:1.	Conservation recipient to be determined	717 acres of Land Preservation within the Upper Kennebec DWA
Total Additional Monetary Contributions						\$2,084,298.76
Total Additional Land Preservation						1770.50 Acres

¹ Source: MDEP Fact Sheet- In Lieu Fee Compensation Program (rev 2017).

² On 11/8/2018, MDIFW recommended a resource multiplier of 8 be applied to the fee calculation for each species present, where both species are present a multiplier of 16 was applied.

³ Outstanding River Segments, as identified in 38 M.R.S. § 480-P and 12 M.R.S § 403

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 Component¹	Total Acres of Fill	Resource Impact (sq. ft.)	County	Natural Resource Enhancement and Restoration Cost (\$)	Assessed Land Value (\$)	In-Lieu Fee (\$)
Transmission Structures	6.213	270,648	Androscoggin	3.61	0.17	\$51,152.47
Transmission Structures	0.834	36,336	Cumberland	3.61	0.69	\$7,812.24
Transmission Structures	2.032	88,494	Franklin	2.86	0.03	\$12,787.38
Transmission Structures	0.097	4,221	Kennebec	3.61	0.16	\$795.66
Transmission Structures	3.941	171,670	Lincoln	3.61	0.3	\$33,561.49
Transmission Structures	0.535	23,307	Sagadahoc	3.61	0.27	\$4,521.56
Transmission Structures	5.502	239,663	Somerset	3.61	0.04	\$43,738.50
Total	19.154 Acres	834,339 Sq. ft.			Total In-Lieu Fee	\$154,369.29

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

NECEC Project Component	Total Acres of Fill	Resource Impact (sq. ft.)	Permanent Wetland Fill in SVPH ¹			HUC8 Watershed	Bailey and Keys Ecoregion	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.)					County	Natural Resource Enhancement and Restoration Cost (\$)	Assessed Land Value (\$)	In-Lieu Fee (\$)
			PEM	PFO	PSS						
Transmission	0.001	40	0	0	40	NA	Central Maine Embayment	Androscoggin	3.61	0.17	\$302.40
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	0.001	40	0	40	0	NA	Western Mountains	Somerset	3.61	0.04	\$292.00
Merrill Road Converter	0.741	32,285	1,397	1,308	29,580	Lower Androscoggin River	Central Maine Embayment	Androscoggin	3.61	0.17	\$244,074.60
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	0.743	32,365							Total In-Lieu Fee	\$244,669.00	
	Acres	Sq. ft.									

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

NECEC Project Component	Total Acres of Fill	Resource Impact (sq. ft.) ¹	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.)			HUC8 Watershed	Bailey and Keys Ecoregion	County	Natural Resource Enhancement and Restoration Cost (\$)	Assessed Land Value (\$)	In-Lieu Fee (\$)
			PEM	PFO	PSS						
Transmission	0.670	29,198	0	29,198	0	NA	Central Maine Embayment	Androscoggin	3.61	0.17	\$66,221.06
Transmission	0.000	0	0	0	0	NA	Presumpscot River and Casco Bay	Cumberland	3.61	0.69	\$0.00
Transmission	1.726	75,183	0	75,183	0	NA	Western Foothills and Central Mountains	Franklin	2.86	0.03	\$130,367.32
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	1.252	54,524	0	54,524	0	NA	Western Mountains	Somerset	3.61	0.04	\$119,407.56
Merrill Road Converter	0.030	1,308	0	1,308	0	Lower Androscoggin River	Central Maine Embayment	Androscoggin	3.61	0.17	\$2,966.54
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	3.678 Acres	160,213 Sq. ft.									Total In-Lieu Fee \$318,962.49

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	0.012	537	Androscoggin	0	0.17	\$91.29
Transmission Structures	0.001	60	Cumberland	0	0.69	\$41.40
Transmission Structures	0.004	159	Franklin	0	0.03	\$4.77
Transmission Structures	0.000	0	Kennebec	0	0.16	\$0.00
Transmission Structures	0.003	119	Lincoln	0	0.3	\$35.70
Transmission Structures	0.000	0	Sagadahoc	0	0.27	\$0.00
Transmission Structures	0.010	437	Somerset	0	0.04	\$17.48
Merrill Road Converter Station	0.689	30,018	Androscoggin	0	0.17	\$5,103.06
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	0.719 Acres	31,330 Sq. ft.			Total In-Lieu Fee	\$5,293.70

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	7.512	327,223	Androscoggin	0	0.17	\$33,376.75
Transmission Structures	0.000	0	Cumberland	0	0.69	\$0.00
Transmission Structures	6.730	293,138	Franklin	0	0.03	\$5,276.48
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	12.699	553,190	Somerset	0	0.04	\$13,276.56
Merrill Road Converter Station	0.631	27,476	Androscoggin	0	0.17	\$2,802.55
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	27.572 Acres	1,201,027 Sq. ft.			Total In-Lieu Fee	\$54,732.34

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	1.392	60,640	Androscoggin	3.61	0.17	\$229,219.20
Transmission Structures/Station	0.765	33,317	Cumberland	3.61	0.69	\$143,263.10
Transmission Structures	0.005	223	Franklin	2.86	0.03	\$644.47
Transmission Structures	0.000	0	Kennebec	3.61	0.16	\$0.00
Transmission Structures	0.033	1,454	Lincoln	3.61	0.3	\$5,685.14
Transmission Structures	0.001	60	Sagadahoc	3.61	0.27	\$232.80
Transmission Structures/Stations	0.019	842	Somerset	3.61	0.04	\$3,073.30
Total	2.216 Acres	96,536 Sq. ft.			Total In-Lieu Fee	\$382,118.01

¹ Resource multiplier of 1.

Table 1-5.6b ILF Compensation for USACE High Value Jurisdictional Vernal Pools

NECEC Project Component	High Value Pools (#)	Multiplier x Standard Sq Ft ²	HUC8 Watershed	Bailey and Keys Ecoregion	Wetland Compensation Formula: Sq. Ft. of Wetland Impacted X (Natural Resource Enhancement and Restoration Cost + Assessed Land Value) x (Resource Multiplier) ¹			
					County	Natural Resource Enhancement and Restoration Cost (\$)	Assessed Land Value (\$)	In-Lieu Fee (\$)
Transmission	26	65,000	NA	Central Maine Embayment	Androscoggin	3.61	0.17	\$319,410.00
Transmission	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
Merrill Road Converter	2	65,000	Lower Androscoggin River	Central Maine Embayment	Androscoggin	3.61	0.17	\$24,570.00
Fickett Road Substation	0	65,000	Presumpscot River and Casco Bay	Casco Bay Coast	Cumberland	3.61	0.69	\$0.00
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

NECEC Project Component	Medium Value Pools (#)	Multiplier x Standard Sq Ft ²	HUC8 Watershed	Bailey and Keys Ecoregion	Wetland Compensation Formula: Sq. Ft. of Wetland Impacted X (Natural Resource Enhancement and Restoration Cost + Assessed Land Value) x (Resource Multiplier) ¹			
					County	Natural Resource Enhancement and Restoration Cost (\$)	Assessed Land Value (\$)	In-Lieu Fee (\$)
Transmission	55	39,000	NA	Central Maine Embayment	Androscoggin	3.61	0.17	\$405,405.00
Transmission	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
Merrill Road Converter	0	39,000	Lower Androscoggin River	Central Maine Embayment	Androscoggin	3.61	0.17	\$0.00
Fickett Road Substation	0	39,000	Presumpscot River and Casco Bay	Casco Bay Coast	Cumberland	3.61	0.69	\$0.00
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

NECEC Project Component	Low Value Pools (#)	Multiplier x Standard Sq Ft ²	HUC8 Watershed	Bailey and Keys Ecoregion	Wetland Compensation Formula: Sq. Ft. of Wetland Impacted X (Natural Resource Enhancement and Restoration Cost + Assessed Land Value) x (Resource Multiplier) ¹			
					County	Natural Resource Enhancement and Restoration Cost (\$)	Assessed Land Value (\$)	In-Lieu Fee (\$)
Transmission	29	13,000	NA	Central Maine Embayment	Androscoggin	3.61	0.17	\$71,253.00
Transmission	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
Merrill Road Converter	3	13,000	Lower Androscoggin River	Central Maine Embayment	Androscoggin	3.61	0.17	\$7,371.00
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

NECEC Project Component	Total Acres of Fill	Resource Impact (sq. ft.) ¹	Permanent Wetland Fill in IWWH ¹			HUC8 Watershed	Bailey and Keys Ecoregion	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.)					County	Natural Resource Enhancement and Restoration Cost (\$)	Assessed Land Value (\$)	In-Lieu Fee (\$)
			PEM	PFO	PSS						
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	0.000	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	0.003	149	149	0	0	NA	Midcoast Region	Lincoln	3.61	0.3	\$1,165.18
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	149 Sq. ft.							Total In-Lieu Fee	\$1,165.18	

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			
NECEC Project Component	Total Acres of Fill	Resource Impact (sq. ft.)	Cowardin Cover Type (Sq. Ft.)			HUC8 Watershed	Bailey and Keys Ecoregion	County	Natural Resource Enhancement and Restoration Cost (\$)	Assessed Land Value (\$)	In-Lieu Fee (\$)
			PEM	PFO	PSS						
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	0.590	25,705	0	25,705	0	NA	Western Foothills and Central Mountains	Franklin	2.86	0.03	\$44,572.47
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	2.032	88,527	0	88,527	0	NA	Western Mountains	Somerset	3.61	0.04	\$193,874.13
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	2.622 Acres	114,232 Sq. ft.									Total In-Lieu Fee \$238,446.60

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	0.005	199	Androscoggin	0	0.17	\$33.83
Transmission Structures	0.000	0	Cumberland	0	0.69	\$0.00
Transmission Structures	0.002	79	Franklin	0	0.03	\$2.37
Transmission Structures	0.000	0	Kennebec	0	0.16	\$0.00
Transmission Structures	0.001	30	Lincoln	0	0.3	\$9.00
Transmission Structures	0.000	0	Sagadahoc	0	0.27	\$0.00
Transmission Structures	0.007	290	Somerset	0	0.04	\$11.60
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	0.014 Acres	598 Sq. ft.			Total In-Lieu Fee	\$56.80

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	0.387	16,877	Androscoggin	0	0.17	\$1,721.45
Transmission Structures	0.000	0	Cumberland	0	0.69	\$0.00
Transmission Structures	2.226	96,966	Franklin	0	0.03	\$1,745.39
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	9.773	425,713	Somerset	0	0.04	\$10,217.11
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	12.387 Acres	539,556 Sq. ft.			Total In-Lieu Fee	\$13,683.95

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.

Table 1-5.11: Compensation for Conversion in Unique Natural Communities

			Assessed Land Value x Resource Multiplier ¹			
NECEC Project Component	Total Acres of Conversion with 250' Directional Buffer ²	Resource Impact (sq. ft.)	County	Natural Resource Enhancement and Restoration Cost (\$)	Assessed Land Value (\$)	In-Lieu Fee (\$)
Transmission Structures	0.000	0	Androscoggin	0	0.17	\$0.00
Transmission Structures	0.000	0	Cumberland	0	0.69	\$0.00
Transmission Structures	0.000	0	Franklin	0	0.03	\$0.00
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	87.848	3,826,646	Somerset	0	0.04	\$1,224,526.82
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	87.848 Acres	3,826,646 Sq. Ft.			Total In-Lieu Fee	\$1,224,526.82

¹ Resource multiplier of 8.

² Permanent conversion impact to MNAP natural communities is 9.229 acres (402,008 sq.ft.). MNAP determined that it was appropriate to apply a 250' buffer in considering the area of which compensation would be provided. MNAP defined the 250' directional buffers for each occurrence, which totals the impact area presented in this table.

Table 1-5.12 Compensation for Conversion in Roaring Brook Mayfly and Northern Spring Salamander Conservation Management Areas

Township	County	Stream Name	Feature ID	Surveyed? (Y/N)	Species Present ¹	Clearing Impact within the Management Areas ² (ac)	Clearing Impact (sq ft)	Assessed Land Value (\$/sq ft) ³	Resource Multiplier Applied to Fee ⁴	Calculated Fee
Skinner Twp	Franklin	S. Branch Moose River	PSTR-09-11	Y	RBM	1.84	80,107	0.03	8	\$19,225.64
Skinner Twp	Franklin	Trib to Bog Brook	PSTR-11-01	Y	NSS	2.75	119,659	0.03	8	\$28,718.24
Appleton Twp	Somerset	Trib to Bog Brook	PSTR-12-07	Y	NSS	1.90	82,590	0.04	8	\$26,428.72
Appleton Twp	Somerset	Gold Brook	PSTR-15-06	Y	RBM/NSS					
Appleton TWP	Somerset	Trib. to Gold Brook	PSTR-16-07	N	RBM/NSS					
Appleton TWP	Somerset	Trib. to Gold Brook	PSTR-16-10	N	RBM/NSS					n/a, mitigation being proposed ⁵
Appleton TWP	Somerset	Trib. to Gold Brook	PSTR-16-15	N	RBM/NSS					
Appleton Twp	Somerset	Baker Stream	PSTR-17-07	Y	NSS	3.10	135,036	0.04	8	\$43,211.52
Appleton Twp	Somerset	Baker Stream	PSTR-17R-04	Y	NSS					
Bradstreet TWP	Somerset	Unnamed Stream	PSTR-24-02	N	RBM/NSS	0.06	2,788	0.04	16	\$1,784.22
Bradstreet TWP	Somerset	Trib. to Horse Brook	PSTR-26-05	N	RBM/NSS	1.32	57,456	0.04	16	\$36,771.61
Johnson Mtn TWP	Somerset	Mountain Brook	PSTR-33-01	Y	RBM/NSS					
Johnson Mtn TWP	Somerset	Mountain Brook	PSTR-EM-34-01	Y	RBM/NSS					n/a, mitigation being proposed ⁵
Johnson Mtn TWP	Somerset	Trib to Mountain Brook	PSTR-EM-34-02	Y	RBM/NSS					
Johnson Mtn TWP	Somerset	Trib. To East Branch Salmon Stream	PSTR-38-02	Y	NSS	4.30	187,308	0.04	8	\$59,938.56
Johnson Mtn TWP	Somerset	Trib. To East Branch Salmon Stream	PSTR-38-06	Y	NSS					
Johnson Mtn TWP	Somerset	Trib. To East Branch Salmon Stream	PSTR-38-10	Y	NSS	2.25	97,792	0.04	8	\$31,293.50
Johnson Mtn TWP	Somerset	Trib. To East Branch Salmon Stream	PSTR-38-15	Y	NSS	1.86	80,891	0.04	8	\$25,885.09
Johnson Mtn TWP	Somerset	Trib. to Cold Stream	PSTR-40-07	N	RBM/NSS	4.08	177,855	0.04	16	\$113,827.51
Johnson Mtn TWP	Somerset	Trib. to Cold Stream	PSTR-41-04	N	RBM/NSS					
Bradstreet TWP	Somerset	Trib to Piel Brook	PSTR-SRD1-02	N	RBM/NSS	1.48	64,599	0.04	16	\$41,343.67
Bradstreet TWP	Somerset	Unnamed Stream	PSTR-SRD1-28-02	N	RBM/NSS	1.48	64,599	0.04	16	\$41,343.67
Bradstreet TWP	Somerset	Unnamed Stream	PSTR-SRD1-28-05	N	RBM/NSS					
Total Impact						26.416	1,150,681		Total Fee	\$469,771.95
						Acres	Sq. ft.			

¹ For those streams outside of CMP's ownership and on lands which permission to survey was not granted from landowners, and unless the waterbody is hydrologically connected to another stream which presence/absence surveys were conducted, the presence of both species is assumed.

² The clearing impact includes the area extending 250 feet on both sides of the stream channel. The management areas were mapped according to "Notes on Mapping Protocol for Roaring Brook Mayfly Habitat Polygons in ETSC (12/22/10)" provided by MDIFW. This mapping protocol was applied to RBB and NSS waterbodies, as recommended by MDIFW. Where mapped management area polygons overlapped, the impact area was combined.

³ Source: MDEP Fact Sheet- In Lieu Fee Compensation Program (rev 2017).

⁴ On 11/8/2018, MDIFW recommended a resource multiplier of 8 be applied to the fee calculation for each species present, where both species are present a multiplier of 16 was applied.

⁵ CMP will retain full height vegetation in the CMA's for these resources.

Exhibit G
Natural Resources Tables

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			Facility/Activity Type Impacting
							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 ³	1	27	24	0	0	0	0	0	0	0	0	0	0	0%	0%	0%	None
SVP (IFW)	101-02	3	225	309	121,709	11,948	0	0	0	1,572	34,465	0	0	9,462	10%	36%	46%	Work Pad
SVP (IFW)	101-03	3	225	22,982	233,282	69,252	0	7,253	40	16,445	46,025	0	990	9,462	30%	27%	57%	Access Road, Pole, Work Pad
SVP (IFW)	102-02	3	226	649	156,232	78,661	0	0	40	11,481	32,820	0	3,069	12,525	50%	29%	79%	Access Road, Pole, Work Pad
SVP (IFW)	102-03	3	226	4,370	154,627	82,791	0	0	0	6,709	28,254	0	3,424	11,565	54%	26%	79%	Access Road, Work Pad
SVP (IFW)	104-02	3	230	4,173	195,002	57,786	0	0	40	14,887	44,183	0	47	1,862	30%	24%	53%	Access Road, Pole, Work Pad
PSVP (IFW)	111-03	3	245, 246	2,381	196,739	55,102	0	0	40	7,448	37,848	0	0	0	28%	19%	47%	Access Road, Pole, Work Pad
SVP (IFW)	111-04	3	246	3,388	189,338	60,663	0	0	40	12,285	35,962	0	0	0	32%	19%	51%	Access Road, Pole, Work Pad
SVP (IFW)	116-04	3	257	15,369	270,388	96,609	0	11,216	0	8,004	54,583	0	6,439	0	36%	24%	60%	Access Road
PSVP (IFW)	117-02	3	258	10,517	191,489	51,235	0	0	0	0	51,837	0	12,382	51,335	27%	54%	81%	Access Road, Work Pad
SVP (IFW)	118-02	3	261	1,791	146,960	77,538	0	0	0	9,162	25,477	0	0	0	53%	17%	70%	Access Road
SVP (IFW)	118-03	3	262	2,072	146,934	37,310	0	0	0	8,883	39,162	0	0	0	25%	27%	52%	Access Road
PSVP (IFW)	119-02	3	264	1,459	141,467	68,809	0	0	0	5,162	11,219	0	0	0	49%	8%	57%	Access Road
SVP (IFW)	119-03	3	264	1,803	168,802	52,243	0	1	0	10,518	42,651	0	705	0	31%	25%	56%	Access Road
SVP (IFW)	125-01	3	276	2,038	192,212	120,696	0	0	0	11,394	37,201	0	0	0	63%	19%	82%	Access Road
SVP (IFW)	130-08	3	288	18,626	266,990	129,634	0	12,466	40	9,890	56,610	0	9,023	0	49%	26%	74%	Access Road, Pole, Work Pad
SVP (IFW)	135-03	3	298, 299	13,353	214,628	108,978	0	3,918	159	14,066	37,069	0	1,304	3,991	51%	21%	72%	Access Road, Pole, Work Pad
SVP (IFW)	135-05	3	299	1,519	189,881	85,791	0	1,519	0	1,837	42,236	40	8,518	0	45%	23%	68%	Access Road, Pole, Work Pad
SVP (IFW)	136-01	3	301	35,243	278,175	108,501	0	7,216	0	16,871	64,231	0	179	23,082	39%	34%	73%	Access Road, Work Pad
SVP (IFW)	136-02	3	301, 302	3,957	218,604	115,950	0	0	0	12,154	43,136	0	45	835	53%	20%	73%	Access Road, Work Pad
SVP (IFW)	136-04	3	302	4,345	154,445	123,221	0	0	0	8,501	23,390	0	1,521	0	80%	15%	95%	Access Road, Work Pad
SVP (IFW)	137-06	3	304	1,554	140,676	44,822	0	0	40	13,039	37,503	0	0	1,254	32%	28%	59%	Access Road, Pole, Work Pad
PSVP (ID)	140-02	3	309, 310	1,026	181,139	83,803	0	0	40	12,116	0	0	2,138	0	46%	0%	46%	Access Road
SVP (IFW)	140-04	3	311	16,947	229,932	110,428	0	0	40	13,944	0	0	2,573	0	48%	0%	48%	Access Road, Pole, Work Pad
SVP (IFW)	143-03	3	317	1,657	177,698	76,491	0	500	0	10,059	41,429	0	898	0	43%	24%	67%	Access Road
PSVP (ID)	144-02	3	320	28	170,198	100,785	0	0	40	13,743	33,178	0	0	36	59%	20%	79%	Access Road, Pole, Work Pad

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			Facility/Activity Type Impacting
							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 (ID)	147-08	4	326	3,363	179,527	170,244	0	0	60	17,642	0	0	0	0	95%	0%	95%	Access Road, Pole, Work Pad
SVP (ID)	148-06	4	328	7,831	193,559	155,458	0	0	60	22,210	0	0	0	0	80%	0%	80%	Access Road, Pole, Work Pad
SVP (IFW)	15-1 ³	1	35	676	90,527	0	0	70,203	0	9,182	70,203	0	0	0	0%	155%	155%	Access Road
PSVP (ID)	158-01	4	349, 350	7,414	235,544	235,451	0	0	60	19,780	0	0	4,976	0	100%	0%	100%	Access Road, Pole, Work Pad
SVP (IFW)	161-11	4	356	403	162,874	162,874	0	0	60	20,760	0	0	0	0	100%	0%	100%	Access Road, Pole, Work Pad
SVP (ID)	161-12	4	356, 357	28	134,134	134,134	0	0	0	5,802	0	0	0	0	100%	0%	100%	Access Road, Work Pad
SVP (IFW)	162-01	5	N/A	6,050	221,256	175,330	0	0	0	0	0	0	0	0	79%	0%	79%	None
SVP (IFW)	169-01	5	401	1,560	162,958	148,444	0	0	60	13,015	0	0	167	0	91%	0%	91%	Access Road, Pole, Work Pad
PSVP (IFW)	174-06	5	390	6,302	166,608	166,605	0	0	60	10,680	0	0	814	0	100%	0%	100%	Access Road, Pole, Work Pad
SVP (IFW)	188-03	5	359, 360	5,730	208,333	146,904	0	0	0	11,165	0	0	1,073	0	71%	0%	71%	Access Road
SVP (IFW)	20-3	1	46	18,363	0	0	0	0	0	0	0	0	0	0	0%	0%	0%	None
PSVP (IFW)	40-5	1	91	5,552	177,270	28,655	0	2,333	0	2,808	71,548	40	4,024	18,217	16%	52%	68%	Access Road, Pole, Work Pad
PSVP (IFW)	40-6	1	91	4,137	151,475	23,607	0	0	0	1,890	51,719	0	2,768	15,972	16%	45%	60%	Access Road, Work Pad
SVP (IFW)	41-2 ³	1	92	2,587	22,614	0	0	22,614	0	0	22,614	0	0	0	0%	200%	200%	None
SVP (IFW)	43-2 ³	1	98	1,956	85,528	0	0	14,155	0	4,511	14,155	0	0	0	0%	33%	33%	Access Road
SVP (IFW)	46-2 ³	1	101	13,880	23,061	0	0	0	0	0	0	0	0	0	0%	0%	0%	None
SVP (IFW)	48-4 ³	1	105	454	77,882	14,631	0	50,993	0	8,104	50,993	0	0	0	19%	131%	150%	Access Road
SVP (IFW)	49-10 ³	1	107	798	90,630	59,477	0	27,829	40	15,061	27,829	0	20	4,643	66%	67%	132%	Access Road, Pole, Work Pad
PSVP (IFW)	49-12 ³	1	107	5,162	100,384	60,170	0	6,440	0	0	6,440	0	0	0	60%	13%	73%	None
SVP (IFW)	72-102	2	159	141	144,727	58,676	0	0	40	15,525	36,907	0	0	0	41%	26%	66%	Access Road, Pole, Work Pad
SVP (IFW)	75-101	3	167	188	200,268	55,517	0	5	159	10,623	38,702	0	0	16,462	28%	28%	55%	Access Road, Pole, Work Pad
SVP (IFW)	75-102	3	167	448	192,886	45,750	0	0	159	10,759	37,606	0	0	12,874	24%	26%	50%	Access Road, Pole, Work Pad
SVP (IFW)	80-01 ³	3	178	1,810	63,814	0	0	3,870	0	0	3,870	0	0	0	0%	12%	12%	None
SVP (IFW)	80-03	3	177	4,547	244,080	91,657	0	3,628	40	11,974	43,794	0	1,881	13,023	38%	25%	62%	Access Road, Pole, Work Pad
PSVP (IFW)	81-05	3	180	1,079	139,672	72,816	0	0	0	7,825	16,053	0	0	0	52%	11%	64%	Access Road
SVP (IFW)	83-02	3	183	14,556	238,735	57,890	0	0	0	7,806	39,981	0	3,121	0	24%	17%	41%	Access Road
SVP (IFW)	83-03	3	183	561	191,611	45,704	0	0	40	15,132	36,933	0	5,213	0	24%	19%	43%	Access Road, Pole, Work Pad

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			Facility/Activity Type Impacting
							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)	83-04	3	183	6,104	174,597	127,902	0	0	0	8,716	25,480	0	588	2,106	73%	16%	89%	Access Road
SVP (IFW)	85-01	3	189	2,989	159,105	12,473	0	0	40	9,821	33,418	0	0	74	8%	21%	29%	Access Road, Pole, Work Pad
SVP (IFW)	86-04	3	191	16,971	333,917	105,966	0	10,918	40	8,440	55,853	0	8,913	0	32%	20%	52%	Access Road, Pole, Work Pad
SVP (IFW)	86-05	3	191	7,062	180,170	42,392	0	0	40	7,325	34,841	0	3,276	0	24%	19%	43%	Access Road, Pole, Work Pad
SVP (IFW)	86-09	3	190	6,618	167,744	19,823	0	0	40	12,662	35,621	0	0	0	12%	21%	33%	Access Road, Pole, Work Pad
SVP (IFW)	92-01	3	203	2,341	244,688	82,189	0	1,576	0	11,372	40,440	0	0	0	34%	17%	51%	Access Road

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			Facility/Activity Type Impacting
							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	11,877	0	0	11,877	10,569	0	10,569	1,308	0	1,308	0%	100%	100%	Substation
PSVP (ID)	CS-01	3	320	400	69,074	2,541	0	60,966	19,440	0	16,899	30,975	0	0	4%	100%	100%	Substation

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	1,592,727	31,330	512,975	1,201,027	32,365	80,955	160,213
Acres	0.000	36.564	0.719	11.776	27.572	0.743	1.858	3.678

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 Cumulative impacts are calculated by dissolving overlapping polygon areas.

Exhibit 7-6 USACE Vernal Pool Table

Vernal Pool ID	Segment #	NRM #	COUNTY	Value (High, Medium, Low, No Compensation)	Existing Conditions 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
49-12	1	107	Somerset	M	1,992,952	609,699	1,383,253	69.4%	16,663	151,408	168,071	8.4%	79	1,215,182	777,770	61.0%	5,162	66,320	25,084	41,236	62.2%	0	0	0	0.0%	0	0	41,236	25,084	62.2%
49-6	1	107	Somerset	M	1,809,841	858,086	951,755	52.6%	38,444	60,632	99,076	5.5%	79	852,679	957,163	47.1%	190	37,417	0	37,417	100.0%	20,221	9,164	29,386	78.5%	0	0	8,031	29,386	21.5%
49-7	1	107	Somerset	M	1,783,454	787,304	996,150	55.9%	37,843	90,381	128,224	7.2%	79	867,926	915,528	48.7%	32	33,760	29,301	4,459	13.2%	2,579	0	2,579	7.6%	0	0	1,880	31,880	5.6%
49-8	1	107	Somerset	M	1,802,334	829,798	972,536	54.0%	38,416	87,949	126,365	7.0%	79	846,171	956,163	46.9%	90	36,329	23,895	12,433	34.2%	4,107	275	4,382	12.1%	0	0	8,052	28,277	22.2%

Exhibit 7-6 USACE Vernal Pool Table Summary

Value¹	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	170	455
Totals	209	17	94	8	131	9	228	696

	Androscoggin	Cumberland	Franklin	Kennebec	Lincoln	Sagadahoc	Somerset	Total Sq. Ft.
Direct Fill by County w/in depression or 100' envelope (Sq. Ft.)	60640	33317	223	0	1454	60	842	96536

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*. See Exhibit 1-6 of the NECEC Compensation Plan.

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	467	186	Y	75	1
1	Beattie Twp	E	ISTR-00-04		2	INT	N/A	N	N	N/A	N	N	N/A	281	331	217	Y	75	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	312	152	Y	75	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	309	152	Y	75	1
1	Beattie Twp	E	ISTR-STI-01			INT	N/A	N	N	N/A	N	N	N/A	8	195	173	Y	75	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	327	164	Y	100	1
1	Beattie Twp	E	ISTR-00-09		3	INT	N/A	N	N	N/A	N	N	N/A	297	476	310	Y	75	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	274	157	Y	75	3
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	168	Y	100	3
1	Beattie Twp	E	PSTR-01-05	Mill Brook	15	PER	A	N	N	N/A	N	N	N/A	609	312	153	N	100	4
1	Beattie Twp	E	ISTR-01-10	Trib. to Mill Brook	2.5	INT	A	N	N	N/A	N	N	N/A	564	308	154	Y	75	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	228	66	N	75	5
1	Beattie Twp	E	ISTR-01-12	Trib. to Mill Brook	1.5	INT	N/A	N	N	N/A	N	N	N/A	341	192	157	Y	75	5
1	Beattie Twp	E	ISTR-02-35		3	INT	N/A	N	N	N/A	N	N	N/A	151	310	156	Y	75	5
1	Beattie Twp	E	PSTR-01-09	Trib. To Mill Brook	2.5	PER	A	N	N	N/A	N	N	N/A	490	315	164	Y	100	5
1	Beattie Twp	E	ISTR-02-18		0	INT	N/A	N	N	N	N	N	N/A	290	313	152	Y	75	6
1	Beattie Twp	E	ISTR-02-25			INT	N/A	N	N	N/A	N	N	N/A	467	342	155	Y	75	6
1	Beattie Twp	E	ISTR-02-28		0	INT	N/A	N	N	N	N	N	N/A	28	351	152	Y	75	6
1	Beattie Twp	E	ISTR-02-30		3	INT	N/A	N	N	N/A	N	N	N/A	460	372	192	Y	75	6
1	Beattie Twp	E	PSTR-02-27		0	PER	N/A	N	N	N	N	N	N/A	114	316	158	Y	100	6
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	173	154	Y	75	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	300	163	Y	75	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	360	198	Y	75	7
1	Beattie Twp	E	ISTR-02-09	Trib. to Number One Brook	1.5	INT	N/A	N	N	N/A	N	N	N/A	467	114	114	N	75	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	337	172	N	75	7
1	Beattie Twp	E	ISTR-02-14		0	INT	N/A	N	N	N	N	N	N/A	275	26	0	N	75	7
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	44	0	N	75	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	27	0	N	75	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-02-10	Trib. to Number One Brook	2.5	INT	N/A	N	N	N/A	N	N	N/A	199	27	0	N	75	7
1	Beattie Twp	E	ISTR-MS-02-11	Trib. to Number One Brook	3.5	INT	N/A	N	N	N/A	N	N	N/A	565	144	0	N	75	7
1	Beattie Twp	E	ISTR-MS-03-5		0	INT	N/A	N	N	N	N	N	N/A	318	270	99	Y	75	8
1	Beattie Twp	E	ISTR-MS-03-6		0	INT	N/A	N	N	N	N	N	N/A	219	508	329	Y	75	8
1	Beattie Twp	E	ISTR-MS-03-1		0	INT	N/A	N	N	N	N	N	N/A	232	236	166	N	75	9
1	Beattie Twp	E	PSTR-MS-03-2	Number One Brook	0	PER	A	N	N	N	N	N	N/A	247	796	324	N	100	9
1	Skinner Twp	E	ISTR-05-08	Trib. to Smart Brook	2.5	INT	N/A	N	N	N/A	N	N	N/A	215	318	164	Y	75	12
1	Skinner Twp	E	ISTR-05-09	Trib. to Smart Brook	1.5	INT	N/A	N	N	N/A	N	N	N/A	145	228	149	Y	75	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	164	Y	75	12
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	152	N	75	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	155	Y	75	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	151	Y	75	13
1	Skinner Twp	E	PSTR-05-01	Smart Brook	6	PER	A	N	N	N/A	N	N	N/A	267	340	161	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	221	Y	100	13
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	172	Y	75	15
1	Skinner Twp	E	ISTR-06-01	Trib. to Smart Brook	2	INT	A	N	N	N/A	N	N	N/A	208	361	166	Y	75	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	159	Y	75	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	75	16
1	Skinner Twp	E	ISTR-06-04	Trib. to Smart Brook	1.5	INT	N/A	N	N	N/A	N	N	N/A	147	355	172	Y	75	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	151	Y	75	16
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	207	Y	75	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	203	Y	75	17
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	23	N	75	18
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	75	18
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	173	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	197	Y	100	20
1	Skinner Twp	E	PSTR-09-11	South Branch Moose River	46	PER	A	N	N	N/A	N	Y	Roaring Brook Mayfly	600	733	203	N	100	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	75	22

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-09-04	Trib. to South Branch Moose River	2	INT	A	N	N	N/A	N	N	N/A	296	348	176	Y	75	22
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	165	N	75	22
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	75	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	88	N	75	23
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	75	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	75	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	75	25
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	170	Y	75	26
1	Skinner Twp	E	PSTR-11-01	Trib. to Bog Brook	15	PER	A	N	N	N/A	N	Y	Northern Spring Salamander	306	469	275	Y	100	26
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	126	Y	75	27
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	75	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	75	27
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	121	Y	75	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	28	Y	75	27
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	80	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	78	N	100	27
1	Appleton Twp	E	PSTR-RR1-3	Trib. to Bog Brook	4	PER	A	N	N	N/A	N	N	N/A	387	278	187	N	100	27
1	Appleton Twp	E	ISTR-12-09	Trib. to Bog Brook	1.5	INT	N/A	N	N	N/A	N	N	N/A	244	260	22	N	75	28
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	353	Y	100	28
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	75	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	75	29
1	Appleton Twp	E	ISTR-12-11	Trib. to Bog Brook	1.5	INT	N/A	N	N	N/A	N	N	N/A	285	165	0	N	75	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	75	30
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	75	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	75	31
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	34	N	75	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	64	N	75	32

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-14-62	Trib. to Barrett Brook	2	INT	N/A	N	N	N/A	N	N	N/A	218	317	114	N	75	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	75	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	174	Y	75	32
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	162	Y	100	32
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	69	N	75	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	181	Y	75	33
1	Appleton Twp	E	ISTR-14-25		2	INT	N/A	N	N	N/A	N	N	N/A	407	105	71	N	75	33
1	Appleton Twp	E	ISTR-14-26		2	INT	N/A	N	N	N/A	N	N	N/A	446	46	13	N	75	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	75	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	158	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	163	Y	75	33
1	Appleton Twp	E	ISTR-14-37	Trib. to Barrett Brook	1.5	INT	N/A	N	N	N/A	N	N	N/A	384	251	96	Y	75	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	70	N	75	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	75	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	362	139	N	75	33
1	Appleton Twp	E	PSTR-14-33	Trib. to Barrett Brook	7	PER	N/A	N	N	N/A	N	N	N/A	279	314	161	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	158	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	125	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	106	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	102	N	100	33
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	174	N	75	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	49	N	75	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	57	N	75	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	75	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	75	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	5	N	75	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	73	N	75	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	75	34

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-15-18	Trib. to Gold Brook	2	INT	N/A	N	N	N/A	N	N	N/A	285	71	0	N	75	34
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	75	35
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	246	Y	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	75	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	75	36
1	Appleton Twp	E	PSTR-15-06	Gold Brook	25	PER	A	Y	N	Y	N	Y	Roaring Brook Mayfly	181	1014	53	Y	100	36
1	Appleton Twp	E	ISTR-16-04	Trib. to Gold Brook	4	INT	A	Y	N	Y	N	N	N/A	612	330	0	N	100	37
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	34	0	N	100	37
1	Appleton Twp	E	PSTR-16-01	Gold Brook	25	PER	A	Y	N	Y	N	N	N/A	97	1637	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 Mayfly ¹⁴	325	216	0	N	100	37
1	Appleton Twp	E	PSTR-16-10	Trib. to Gold Brook	3	PER	A	Y	N	Y	N	Y	Northern Spring Salamander and Roaring Brook Mayfly ¹⁴	478	108	0	N	100	37
1	Appleton Twp	E	PSTR-16-101	Trib. to Gold Brook	3	PER	A	Y	N	Y	N	N	N/A	356	472	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	95	0	N	100	37
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
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	325	Y	75	39
1	Appleton Twp	E	PSTR-17-07	Baker Stream	20	PER	A	Y	N	Y	N	Y	Northern Spring Salamander	127	652	330	N	100	39
1	Appleton Twp	E	PSTR-17R-03	Baker Stream	12	PER	A	Y	N	Y	N	N	N/A	114	66	66	N	100	39
1	Appleton Twp	E	PSTR-17R-04	Baker Stream	15	PER	A	Y	N	Y	N	Y	Northern Spring Salamander	164	59	60	N	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	38	N	75	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	2	N	75	40
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	T5 R7 BKP WKR	E	PSTR-18-14	Trib. to Fish Pond	8	PER	A	Y	N	Y	N	N	N/A	147	675	302	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	T5 R7 BKP WKR	E	ISTR-18-10		4	INT	A	Y	N	Y	N	N	N/A	531	267	151	Y	100	42
1	T5 R7 BKP WKR/Hobbsstown Twp	E	ISTR-18-11	Trib. to Fish Pond	3	INT	N/A	Y	N	N/A	N	N	N/A	402	166	128	Y	75	42

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	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	157	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	164	Y	100	42
1	Hobbstown Twp	E	PSTR-20-01	Trib. to Little Spencer Stream	3	PER	A	Y	N	Y	N	N	N/A	398	255	62	N	100	46
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	145	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	370	194	N	100	48
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	105	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	831	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	ISTR-24-01	Trib. to Bitter Brook	2	INT	A	N	N	N/A	N	N	N/A	422	318	158	N	75	56
1	Bradstreet Twp	E	PSTR-25-01	Horse Brook	30	PER	A	N	N	N/A	N	N	N/A	158	404	225	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	296	N	100	59
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	40	N	75	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	154	N	75	60
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 Mayfly ¹⁴	293	77	0	N	100	60
1	Bradstreet Twp	E	ISTR-27-04		2	INT	N/A	N	N	N/A	N	N	N/A	160	257	235	N	75	61
1	Bradstreet Twp	E	ISTR-27-05			INT	N/A	N	N	N/A	N	N	N/A	298	130	130	N	75	61
1	Bradstreet Twp	E	ISTR-SRD1-28-03	Fourmile Brook	4	INT	A	N	N	N/A	N	N	N/A	100	44	44	N	75	63
1	Bradstreet Twp	E	PSTR-SRD1-28-01	Fourmile Brook	10	PER	A	N	N	N/A	N	N	N/A	93	324	160	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	165	N	100	63
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	169	N	75	66
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	168	N	100	66
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 Mayfly ¹⁴	273	34	0	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	788	392	N	100	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	75	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	198	N	75	71
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	170	Y	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	105	N	75	74
1	Johnson Mountain Twp	E	ISTR-32-02	Trib. to Piel Brook	5	INT	A	N	N	N/A	N	N	N/A	108	395	183	Y	75	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-EM-33-01	Trib. To Twomile Brook	5	INT	N/A	Y	N	N/A	N	Y	Northern Spring Salamander	235	354	192	N	100	75
1	Johnson Mountain Twp	E	ISTR-33-02	Trib. to Mountain Brook	1.5	INT	N/A	Y	N	N/A	N	N	N/A	200	93	80	N	75	76
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-EM-34-01	Mountain Brook	9	PER	A	Y	N	N/A	N	N	N/A	233	25	0	N	100	76
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	155	Y	75	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	201	Y	75	77
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	48	N	75	80
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	158	Y	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	152	N	75	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	75	83
1	Johnson Mountain Twp	E	ISTR-36-05	Trib. to Salmon Stream	1.5	INT	N/A	Y	N	N/A	N	N	N/A	317	152	0	N	75	83
1	Johnson Mountain Twp	E	ISTR-37-01	Trib. to East Branch Salmon Stream	2.5	INT	N/A	Y	N	N/A	N	N	N/A	169	144	0	N	75	84
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	166	N	100	85
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	22	N	75	86
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	166	Y	100	86
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	180	N	75	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	53	N	75	87
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	221	Y	100	87
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	276	N	75	88
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	346	Y	75	89
1	Johnson Mountain Twp	E	PSTR-40-06	Cold Stream	25	PER	AA	Y	N	Y	N	N	N/A	467	660	288	N	100	91
1	Johnson Mountain Twp	E	PSTR-40-08	Trib. to Cold Stream	2	PER	N/A	Y	N	Y	N	N	N/A	401	5	0	N	100	91
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 Mayfly ¹⁴	296	145	0	N	100	92
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	82	N	75	93
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	159	Y	75	94
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	27	N	75	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	75	94

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-42-09	Trib. to Tomhegan Stream	5	INT	N/A	Y	N	N/A	N	N	N/A	159	135	105	N	75	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	169	169	Y	75	94
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	247	N	100	95
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	75	96
1	West Forks Plt	D	ISTR-44-08	Tomhegan Stream	3	INT	A	Y	N	N/A	N	N	N/A	345	44	44	Y	75	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	75	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	75	100
1	West Forks Plt	D	PSTR-44-01 (TOB)	Tomhegan Stream	15	PER	A	Y	N	Y	N	N	N/A	241	1124	417	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	109	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	34	N	100	100
1	West Forks Plt	D	PSTR-44-06	Tomhegan Stream	5	PER	A	Y	N	Y	N	N	N/A	268	348	185	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	163	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-45-03	Trib. to Tomhegan Stream	5	PER	N/A	Y	N	Y	N	N	N/A	107	417	242	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	55	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	188	N	100	102
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	51	N	75	103
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	1029	0	N	100	109
1	Moxie Gore	D	ISTR-49-01	Trib. to Moxie Stream	5	INT	N/A	Y	N	Y	N	N	N/A	360	147	101	N	100	111
1	Moxie Gore	D	ISTR-50-02	Trib. to Moxie Stream	1.5	INT	N/A	Y	N	Y	N	N	N/A	21	179	179	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	303	149	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	55	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	50	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	38	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	21	N	100	113
1	Moxie Gore	D	STRM-50-01	Moxie Stream	80	PER	AA	Y	N	Y	N	Y	Wood Turtle	404	747	230	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-51-07	Trib. to Moxie Stream	2	INT	N/A	Y	N	N/A	N	N	N/A	416	106	0	N	75	114
1	Moxie Gore	D	ISTR-51-12	Trib. to Moxie Stream	3	INT	N/A	Y	N	Y	N	N	N/A	488	20	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	265	157	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	196	168	Y	100	115
1	Moxie Gore	D	ISTR-51-15	Trib. to Moxie Stream	1.5	INT	N/A	Y	N	N/A	N	N	N/A	334	48	48	Y	75	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	75	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	105	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	26	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	36	N	100	115
1	Moxie Gore	D	ISTR-51-20	Trib. to Moxie Stream	1.5	INT	N/A	Y	N	Y	N	N	N/A	236	141	141	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-52-04	Trib. to Moxie Stream	5	INT	N/A	Y	N	Y	N	N	N/A	225	22	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	1	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	17	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	0	N	75	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	46	N	75	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	0	N	100	116
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	239	77	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	144	65	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	16	N	100	117
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	142	N	75	100, 101
1	Moxie Gore	D	ISTR-51-06	Trib. to Moxie Stream	3	INT	N/A	Y	N	Y	N	N	N/A	380	29	29	N	100	113, 114
1	Moxie Gore	D	ISTR-51-08	Trib. to Moxie Stream	1.5	INT	N/A	Y	N	Y	N	N	N/A	230	237	68	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	17	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

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-52-01	Trib. to Moxie Stream	5	INT	N/A	Y	N	Y	N	N	N/A	357	178	65	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	79	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	104	N	100	115, 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	414	171	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	0	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	0	N	75	116, 117
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	157	Y	75	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	122	Y	75	12, 13
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	154	Y	75	15, 16
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	161	Y	75	18, 19
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	163	N	75	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	75	20, 21
1	Skinner Twp	E	STI-08-01		3	INT	A	N	N	N/A	N	N	N/A	192	173	158	N	75	20,21
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	12	N	75	21, 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	154	Y	75	22, 23
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	173	Y	100	22, 23
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	42	N	75	27, 28
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	4	N	75	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	53	Y	75	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	75	29, 30
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	179	N	75	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	15	N	75	30, 31
1	Appleton Twp	E	ISTR-14-22		2	INT	N/A	N	N	N/A	N	N	N/A	461	252	97	N	75	33,34
1	Appleton Twp	E	PSTR-15-04	Trib. to Gold Brook	4	PER	N/A	Y	N	Y	N	N	N/A	85	1005	777	Y	100	35, 36
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	75	38, 39
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	90	N	75	41, 42
1	T5 R7 BKP WKR	E	ISTR-18-01		1	INT	N/A	Y	N	N/A	N	N	N/A	359	87	87	N	75	42,43

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	T5 R7 BKP WKR	E	ISTR-18-02		2	INT	N/A	Y	N	N/A	N	N	N/A	361	343	184	Y	75	42,43
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	252	252	N	100	48, 49
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	188	31	N	100	48, 49
1	Beattie Twp	E	ISTR-02-34		2	INT	N/A	N	N	N/A	N	N	N/A	118	204	67	N	75	5,6
1	Beattie Twp	E	ISTR-02-15		0	INT	N/A	N	N	N	N	N	N/A	20	257	88	N	75	6, 7
1	Beattie Twp	E	ISTR-02-16		0	INT	N/A	N	N	N	N	N	N/A	34	311	159	Y	75	6, 7
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	466	N	75	61, 62
1	Bradstreet Twp	E	PSTR-30-01	Piel Brook	1	PER	A	N	N	N/A	N	N	N/A	186	328	76	N	100	68, 69
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	75	69, 70
1	Johnson Mountain Twp	E	ISTR-36-02	Trib. to Salmon Stream	2.5	INT	A	Y	N	N/A	N	N	N/A	220	353	171	Y	75	82, 83
1	Johnson Mountain Twp	E	ISTR-38-11	Trib. to East Branch Salmon Stream	1.5	INT	A	Y	N	N/A	N	N	N/A	137	201	10	N	75	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	113	N	75	85, 86
1	Johnson Mountain Twp	E	ISTR-38-13	Trib. to East Branch Salmon Stream	1.5	INT	N/A	Y	N	N/A	N	N	N/A	237	106	0	N	75	85, 86
1	Johnson Mountain Twp	E	ISTR-38-14	Trib. to East Branch Salmon Stream	1.5	INT	A	Y	N	N/A	N	N	N/A	159	107	107	N	75	85, 86
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	207	Y	75	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	127	N	75	86, 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	166	Y	100	86, 87
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	274	Y	100	88, 89
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 Mayfly ¹⁴	200	1153	0	N	100	91, 92
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	21	N	75	92, 93
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	176	176	Y	75	94, 95
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	32	N	75	119
2	The Forks Plt	D	ISTR-54-01		9	INT	A	Y	N	N	N	N	N/A	176	216	52	Y	75	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	68	Y	100	120
2	The Forks Plt	D	PSTR-54-01	Trib. to Moxie Pond	9	PER	A	Y	N	Y	N	N	N/A	177	212	55	N	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	70	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	45	N	75	123
2	The Forks Plt	D	ISTR-55-03	Trib. to Moxie Pond	1.5	INT	N/A	Y	N	N/A	N	N	N/A	494	95	51	N	75	123

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	The Forks Plt	D	ISTR-56-03	Trib. to Moxie Pond	2	INT	N/A	Y	N	N/A	N	N	N/A	181	60	0	N	75	125
2	The Forks Plt	D	ISTR-57-02	Trib. to Mosquito Stream	5	INT	A	Y	N	Y	N	N	N/A	180	18	0	N	100	127
2	The Forks Plt	D	PSTR-57-01	Mosquito Stream	10	PER	A	Y	N	Y	N	N	N/A	123	358	76	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	311	188	Y	100	131
2	Bald Mountain Twp T2 R3	D	PSTR-59-01	Little Sandy Stream	15	PER	A	Y	N	Y	N	N	N/A	309	766	149	Y	100	131
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	441	95	Y	75	133
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	298	111	N	100	133
2	Bald Mountain Twp T2 R3	D	PSTR-60-07	Trib. to Joes Hole	2.5	PER	A	Y	N	Y	N	N	N/A	379	149	89	Y	100	133
2	Bald Mountain Twp T2 R3	D	ISTR-60-05	Trib. to Joes Hole	2.5	INT	N/A	Y	N	N/A	N	N	N/A	134	153	0	N	75	134
2	Bald Mountain Twp T2 R3	D	PSTR-60-01	Trib. to Baker Stream	4	PER	N/A	Y	N	Y	N	N	N/A	161	33	0	N	100	135
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	441	85	Y	100	135
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	64	0	N	75	136
2	Bald Mountain Twp T2 R3	D	PSTR-61-08	Trib. to Baker Stream	3.5	PER	N/A	Y	N	Y	N	N	N/A	237	308	113	N	100	136
2	Bald Mountain Twp T2 R3	D	PSTR-61-01	Wild Brook	5	PER	A	Y	N	Y	N	N	N/A	511	349	77	Y	100	137
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	315	77	N	75	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	28	0	N	75	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	353	73	N	75	140
2	Bald Mountain Twp T2 R3	D	ISTR-63-05	Trib. to Wild Brook	2.5	INT	N/A	Y	N	N/A	N	N	N/A	438	78	5	N	75	140
2	Bald Mountain Twp T2 R3	D	PSTR-63-03	Wild Brook	7	PER	A	Y	N	Y	N	N	N/A	405	435	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	443	89	Y	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	79	N	75	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	26	0	N	75	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	31	0	N	75	141
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	107	N	100	141
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	75	142
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	389	74	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	530	0	N	100	142
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	538	0	N	100	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	Moscow	D	PSTR-65-01	Trib. to Little Heald Brook	3	PER	N/A	Y	N	Y	N	Y	Wood Turtle	48	329	43	Y	100	145
2	Moscow	D	ISTR-65-04	Trib. to Little Heald Brook	2.5	INT	A	Y	N	Y	N	N	N/A	220	35	0	N	100	146
2	Moscow	D	PSTR-65-02	Little Heald Brook	25	PER	A	Y	N	Y	N	N	N/A	85	893	83	Y	100	146
2	Moscow	D	PSTR-65-03	Little Heald Stream	2.5	PER	A	Y	N	Y	N	Y	Wood Turtle	139	114	0	Y	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	448	80	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	377	82	Y	75	147
2	Moscow	D	ISTR-66-08	Trib. to Heald Stream	5	INT	N/A	Y	N	Y	N	N	N/A	285	109	10	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	472	88	Y	100	148
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	ISTR-71-101	Trib. to Austin Stream	1	INT	N/A	Y	N	N/A	N	N	N/A	289	204	101	N	75	158
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	75	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	46	Y	75	160
2	Moscow	D	ISTR-72-107	Trib. to Chase Stream	8	INT	A	Y	N	Y	N	N	N/A	325	279	0	N	100	160
2	Moscow	D	ISTR-73-02	Mink Brook	1.5	INT	A	Y	N	Y	N	Y	Wood Turtle	611	14	0	N	100	161
2	Moscow	D	ISTR-73-03	Mink Brook	2	INT	A	Y	N	Y	N	Y	Wood Turtle	480	106	0	N	100	161
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	PSTR-73-01	Mink Brook	2	PER	A	Y	N	Y	N	Y	Wood Turtle	32	2412	603	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	114	Y	100	161
2	Moscow	D	ISTR-73-06	Trib. to Mink Brook	3	INT	N/A	Y	N	N/A	N	N	N/A	56	1020	290	N	75	162
2	Moscow	D	ISTR-73-08	Trib. to Austin Stream	2	INT	N/A	Y	N	N/A	N	N	N/A	547	275	51	Y	75	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	668	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	1138	99	N	100	133, 134
2	Bald Mountain Twp T2 R3	D	ISTR-64-03	Trib. to Wild Brook	2.5	INT	N/A	Y	N	N/A	N	N	N/A	394	142	15	N	75	142, 143
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	134	71	N	100	142, 143
2	Moscow	D	PSTR-66-02	Heald Stream	15	PER	A	Y	N	Y	N	Y	Wood Turtle	463	865	115	N	100	146, 147
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	75	148, 149
2	Moscow	D	ISTR-66-10	Trib. to Heald Stream	5	INT	N/A	Y	N	Y	N	N	N/A	6	970	172	Y	100	148, 149

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	ISTR-67-01	Trib. to Austin Stream	6	INT	N/A	Y	N	Y	N	N	N/A	112	1373	312	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-72-101	Trib. to Chase Stream	3	INT	N/A	Y	N	N/A	N	N	N/A	67	527	78	Y	75	159, 160
2	Moscow	D	PSTR-72-103	Chase Stream	30	PER	A	Y	N	Y	N	N	N/A	109	2801	734	Y	100	159, 160
2	Moscow	D	PSTR-72-104	Trib. to Chase Stream	3.5	PER	A	Y	N	Y	N	N	N/A	221	215	112	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	ISTR-73-05	Trib. to Mink Brook	2	INT	A	Y	N	Y	N	Y	Wood Turtle	63	444	99	Y	100	161, 162
2	Moscow	D	PSTR-74-01	Trib. to Kennebec River	2	PER	B	Y	N	Y	N	N	N/A	115	657	127	N	100	164, 165
3	Concord Twp	D	PSTR-75-02	Trib. to Kennebec River	2	PER	B	Y	N	Y	N	N	N/A	222	3242	0	N	100	166
3	Concord Twp	D	ISTR-75-03	Trib. to Kennebec River	4	INT	N/A	Y	N	N/A	N	N	N/A	269	197	0	Y	75	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	75	167
3	Concord Twp	D	ISTR-76-03	Trib. to Kennebec River	20	INT	B	Y	N	Y	N	N	N/A	558	38	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	80	0	N	75	167
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	ISTR-76-06	Trib. to Kennebec River	20	INT	N/A	Y	N	Y	N	N	N/A	238	902	106	N	100	169
3	Concord Twp	D	ISTR-77-03	Trib. to Kennebec River	2.5	INT	N/A	Y	N	N/A	N	N	N/A	228	213	0	N	75	171
3	Concord Twp	D	PSTR-77-01	Trib. to Kennebec River	30	PER	N/A	Y	N	Y	N	N	N/A	293	863	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	405	61	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	146	0	N	75	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	179	0	N	75	173
3	Concord Twp	D	ISTR-80-02	Trib. to Kennebec River	3	INT	N/A	Y	N	N/A	N	N	N/A	187	177	0	N	75	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	203	18	N	75	176
3	Concord Twp	D	ISTR-80-01	Trib. to Kennebec River	2	INT	N/A	Y	N	N/A	N	N	N/A	495	281	55	N	75	177
3	Concord Twp	D	ISTR-80-04	Trib. to Kennebec River	1.5	INT	N/A	Y	N	N/A	N	N	N/A	526	96	0	N	75	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	119	0	N	75	177
3	Embden	D	PSTR-83-07	Trib. to Alder Brook	2.5	PER	B	Y	N	Y	N	Y	Wood Turtle	95	1884	208	Y	100	183
3	Embden	D	ISTR-83-02	Trib. to Alder Brook	4	INT	N/A	Y	N	N/A	N	N	N/A	475	373	98	N	75	184
3	Embden	D	ISTR-83-05	Trib. to Alder Brook	3	INT	B	Y	N	Y	N	Y	Wood Turtle	309	390	0	N	100	184

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	PSTR-83-01	Trib. to Alder Brook	6	PER	N/A	Y	N	Y	N	N	N/A	404	616	98	Y	100	184
3	Embden	D	PSTR-83-04	Alder Brook	8	PER	B	Y	N	Y	N	Y	Wood Turtle	584	22	0	N	100	184
3	Embden	D	ISTR-84-01	Trib. to Alder Brook	4	INT	N/A	Y	N	N/A	N	N	N/A	312	254	0	N	75	185
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	75	196
3	Anson	D	ISTR-89-03	Trib. to Fahi Brook	3.5	INT	B	Y	N	N/A	N	N	N/A	311	258	0	N	75	196
3	Anson	D	PSTR-89-01	Jackin Brook	4.5	PER	N/A	Y	N	Y	N	N	N/A	331	552	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	219	0	N	75	196
3	Anson	D	PSTR-90-01	Trib. to Carrabassett River	5.5	PER	B	Y	N	Y	N	N	N/A	372	616	0	N	100	198
3	Anson	D	ISTR-90-04	Trib. to Carrabassett River	1.5	INT	N/A	Y	Y	N/A	N	N	N/A	212	268	0	N	100	200
3	Anson	D	PSTR-91-01	Gilbert Brook	190	PER	B	Y	Y	N	N	N	N/A	195	1306	48	N	100	201
3	Anson	D	ISTR-92-01	Trib. to Carrabassett River	2	INT	N/A	Y	Y	N/A	N	N	N/A	400	677	128	N	100	204
3	Anson	D	ISTR-92-02	Trib. to Carrabassett River	1.5	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	4.5	INT	N/A	Y	Y	N/A	N	N	N/A	375	126	0	N	100	205
3	Anson	D	PSTR-92-03	Gilman Brook	20	PER	B	Y	Y	Y	N	N	N/A	373	1407	112	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	1998	191	Y	100	208
3	Anson	D	PSTR-93-03	Trib. to Getchell Brook	2	PER	B	Y	Y	N/A	N	N	N/A	413	329	47	N	100	208
3	Anson	D	WB-94-01	Trib. to Getchell Brook	85	Open Water	B	Y	Y	N	N	N	N/A	299	441	0	N	100	208
3	Anson	D	ISTR-95-03	Trib. to Kennebec River	1	INT	N/A	Y	Y	N/A	N	N	N/A	504	135	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	117	0	N	100	210
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	ISTR-96-03	Trib. to Pelton Brook	2	INT	N/A	Y	Y	N/A	N	N	N/A	273	205	40	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	53	0	N	100	212
3	Starks	D	PSTR-96-01	Trib. to Pelton Brook	20	PER	B	Y	Y	Y	N	N	N/A	235	1172	360	Y	100	212
3	Starks	D	PSTR-96-02	Trib. to Pelton Brook	3	PER	B	Y	Y	Y	N	N	N/A	233	54	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	111	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	237	62	N	100	213

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	ISTR-96-11	Trib. to Pelton Brook	2	INT	N/A	Y	Y	N/A	N	N	N/A	301	55	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	82	N	100	213
3	Starks	D	PSTR-96-05	Pelton Brook	30	PER	B	Y	Y	Y	N	Y	Wood Turtle	313	882	55	Y	100	213
3	Starks	D	PSTR-96-06	Pelton Brook	5	PER	B	Y	Y	Y	N	Y	Wood Turtle	349	314	6	N	100	213
3	Starks	D	PSTR-97-01	Trib. to Pelton Brook	85	PER	B	Y	Y	Y	N	N	N/A	235	1294	22	N	100	214
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	204	76	Y	100	216
3	Starks	D	PSTR-97-05	Trib. to Cold Pond/Hilton Brook	20	PER	N/A	Y	Y	Y	N	N	N/A	476	1151	337	N	100	216
3	Starks	D	ISTR-99-01	Trib. to Lemon Stream	2	INT	B	Y	Y	Y	N	N	N/A	150	91	30	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	21	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	308	Y	100	219
3	Starks	D	PSTR-99-02	Trib. to Lemon Stream	6	PER	B	Y	Y	Y	N	N	N/A	65	1649	347	Y	100	219
3	Starks	D	PSTR-99-06	Trib. to Lemon Stream	6	PER	B	Y	Y	Y	N	N	N/A	411	59	0	N	100	219
3	Starks	D	ISTR-100-01	Trib. To Meadow Brook	2	INT	B	Y	Y	N	N	N	N/A	498	126	65	N	100	220
3	Starks	D	ISTR-99-07	Lemon Stream	1	INT	N/A	Y	Y	Y	N	N	N/A	201	139	0	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	458	78	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	494	87	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	47	0	N	100	223
3	Industry	D	PSTR-101-03	Trib. to Josiah Brook	6	PER	N/A	Y	Y	Y	N	N	N/A	164	221	87	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	467	90	Y	100	224
3	Industry	D	PSTR-101-05	Josiah Brook	3	PER	B	Y	Y	Y	N	N	N/A	235	431	88	Y	100	224
3	Industry	D	ISTR-102-02	Trib. to Josiah Brook	5	INT	B	Y	Y	Y	N	N	N/A	183	242	81	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	269	51	N	100	227
3	Industry	D	ISTR-103-10	Trib. to Goodrich Brook	4	INT	N/A	Y	Y	N/A	N	N	N/A	318	162	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	199	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	74	0	N	100	227

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	Industry	D	ISTR-103-05	Trib. to Goodrich Brook	3	INT	N/A	Y	Y	N/A	N	N	N/A	179	64	36	N	100	228
3	Industry	D	ISTR-103-06	Trib. to Goodrich Brook	1.5	INT	N/A	Y	Y	N/A	N	N	N/A	367	53	0	N	100	228
3	Industry	D	ISTR-103-07	Trib. to Goodrich Brook	5	INT	B	Y	Y	Y	N	N	N/A	341	40	0	N	100	228
3	Industry	D	PSTR-103-11	Trib. to Goodrich Brook	7	PER	B	Y	Y	Y	N	N	N/A	349	502	76	N	100	228
3	Industry	D	ISTR-103-01	Trib. to Goodrich Brook	5	INT	N/A	Y	Y	Y	N	N	N/A	345	201	0	Y	100	229
3	Industry	D	ISTR-103-02	Trib. to Goodrich Brook	1.5	INT	N/A	Y	Y	N/A	N	N	N/A	265	91	0	N	100	229
3	Industry	D	ISTR-104-01	Trib. to Goodrich Brook	2	INT	N/A	Y	Y	N/A	N	N	N/A	416	92	0	N	100	229
3	Industry	D	PSTR-103-12	Goodrich Brook	15	PER	B	Y	Y	Y	N	N	N/A	228	1566	217	Y	100	229
3	Industry	D	PSTR-103-13	Trib. to Goodrich Brook	7	PER	B	Y	Y	Y	N	N	N/A	162	486	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	ISTR-104-02	Trib. to Goodrich Brook	4	INT	B	Y	Y	N/A	N	N	N/A	150	125	93	N	100	230
3	Industry	D	PSTR-104-04	Trib. to Goodrich Brook	6	PER	B	Y	Y	Y	N	N	N/A	127	463	90	Y	100	230
3	New Sharon	D	PSTR-105-01	Muddy Brook	40	PER	B	Y	Y	Y	N	N	N/A	412	932	164	N	100	232
3	Farmington	D	PSTR-107-04	Beales Brook	5	PER	B	Y	Y	Y	N	N	N/A	416	664	110	N	100	236
3	Farmington	D	PSTR-107-02	Trib. to Beales Brook	3.5	PER	B	Y	Y	N/A	N	N	N/A	117	612	80	Y	100	237
3	Farmington	D	ISTR-107-01	Trib. to Beales Brook	1.5	INT	B	Y	Y	N/A	N	N	N/A	281	260	99	N	100	238
3	Farmington	D	ISTR-108-04	Trib. to Cascade Brook	1	INT	B	Y	Y	N/A	N	N	N/A	193	132	74	Y	100	239
3	Farmington	D	ISTR-108-05	Trib. to Cascade Brook	1.5	INT	N/A	Y	Y	N/A	N	N	N/A	22	472	162	N	100	239
3	Farmington	D	ISTR-108-06	Trib. to Cascade Brook	1.5	INT	B	Y	Y	N/A	N	N	N/A	320	170	0	N	100	239
3	Farmington	D	ISTR-108-08	Trib. to Cascade Brook	1.5	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	102	N	100	239
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	2.5	INT	B	Y	Y	N/A	N	N	N/A	247	239	80	Y	100	240
3	Farmington	D	ISTR-108-03	Trib. to Cascade Brook	1.5	INT	B	Y	Y	N/A	N	N	N/A	274	54	24	N	100	240
3	Farmington	D	ISTR-109-01	Trib. to Cascade Brook	3	INT	B	Y	Y	N/A	N	N	N/A	163	343	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	661	231	Y	100	241
3	Farmington	D	PSTR-109-02	Cascade Brook	8	PER	B	Y	Y	N	N	Y	Wood Turtle	114	2139	12	Y	100	242
3	Farmington	D	ISTR-111-01	Trib. to Wilson Stream	2	INT	N/A	Y	Y	N/A	N	N	N/A	162	107	0	N	100	246

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-111-03	Trib. to Wilson Stream	4	INT	N/A	Y	Y	Y	N	N	N/A	50	499	213	N	100	246
3	Farmington	D	PSTR-112-03	Wilson Stream	40	PER	C	Y	Y	Y	N	Y	Wood Turtle	61	1075	47	N	100	247
3	Farmington	D	PSTR-112-01	Trib. to Wilson Stream	2	PER	B	Y	Y	Y	N	N	N/A	304	526	93	Y	100	249
3	Chesterville	D	ISTR-114-06	Trib. to Wilson Stream	5	INT	B	Y	Y	Y	N	Y	Wood Turtle	219	309	0	N	100	252
3	Chesterville	D	PSTR-114-04	Trib. to Wilson Stream	1	PER	N/A	Y	Y	Y	N	N	N/A	349	83	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	218	Y	100	252
3	Jay	D	ISTR-114-02	Trib. to Wilson Stream	3	INT	N/A	Y	Y	N/A	N	N	N/A	129	166	8	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	522	86	Y	100	253
3	Jay	D	ISTR-116-02	Trib. To Sugar Brook	8	INT	N/A	Y	Y	N	N	N	N/A	341	493	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	593	124	Y	100	256
3	Jay	D	PSTR-116-04	Sugar Brook	3.5	PER	B	Y	Y	N	N	N	N/A	302	404	76	Y	100	257
3	Jay	D	ISTR-117-01	Trib. to Fuller Brook	2	INT	N/A	Y	Y	N/A	N	N	N/A	96	843	200	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	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	979	94	N	100	262
3	Jay	D	PSTR-119-01	James Brook	15	PER	B	Y	Y	N/A	N	N	N/A	239	943	156	Y	100	263
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	75	268
3	Livermore Falls	B	PSTR-121-03	Trib. to Clay Brook	2	PER	B	Y	N	N/A	N	N	N/A	329	807	0	N	75	269
3	Livermore Falls	B	PSTR-122-05	Trib. to Clay Brook	6	PER	B	Y	N	N/A	N	N	N/A	295	289	0	N	75	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	75	269
3	Livermore Falls	B	PSTR-122-02	Trib. to Clay Brook	5	PER	B	Y	N	N/A	N	N	N/A	208	311	102	N	75	270
3	Livermore Falls	B	PSTR-122-07	Trib. to Clay Brook	5	PER	B	Y	N	N/A	N	N	N/A	311	380	0	N	75	270
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	75	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	75	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	75	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	30	N	75	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	75	274
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	75	276

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	Livermore Falls	B	ISTR-125-02	Trib. to Androscoggin River	2	INT	C	Y	N	N/A	N	N	N/A	482	0	0	N	75	277
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	75	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	75	277
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	75	277
3	Livermore Falls	B	ISTR-126-01	Trib. to Androscoggin River	3	INT	C	Y	N	N/A	N	N	N/A	297	440	83	N	75	279
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	75	279
3	Livermore Falls	B	PSTR-126-02	Trib. to Androscoggin River	4	PER	C	Y	N	N/A	N	N	N/A	333	237	0	N	75	279
3	Livermore Falls	B	PSTR-126-05	Trib. to Androscoggin River	4	PER	C	Y	N	N/A	N	N	N/A	346	159	42	N	75	279
3	Livermore Falls	B	ISTR-126-04	Trib. to Androscoggin River	3	INT	C	Y	N	N/A	N	N	N/A	132	421	78	Y	75	280
3	Livermore Falls	B	PSTR-126-03	Trib. to Androscoggin River	5	PER	C	Y	N	N/A	N	N	N/A	141	459	82	N	75	280
3	Livermore Falls	B	PSTR-127-02	Trib. to Hunton Brook	30	PER	B	Y	N	N/A	N	Y	Wood Turtle	493	283	0	N	100	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	94	N	75	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	75	283
3	Livermore Falls	B	ISTR-128-03	Trib. to Androscoggin River	2	INT	C	Y	N	N/A	N	N	N/A	98	273	115	Y	75	283
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	75	287
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	75	289
3	Leeds	B	ISTR-131-01	Trib. to Dead River	4	INT	B	Y	N	N/A	N	N	N/A	15	852	231	Y	75	289
3	Leeds	B	PSTR-130-04	Dead River	60	PER	B	Y	N	N/A	N	N	N/A	91	1337	168	N	75	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	75	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	75	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	75	292
3	Leeds	B	PSTR-133-01	Trib. to Allen Stream	3	PER	B	Y	N	N/A	N	N	N/A	183	465	82	Y	75	295
3	Leeds	B	ISTR-134-02	Trib. to Allen Stream	2.5	INT	B	Y	N	N/A	N	N	N/A	116	164	0	N	75	297
3	Leeds	B	ISTR-134-03	Trib. to Allen Stream	2.5	INT	B	Y	N	N/A	N	N	N/A	51	552	467	N	75	297
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	75	298
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	75	299
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	75	299
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	75	299

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	PSTR-136-01	Trib. to Androscoggin River	6	PER	B	Y	N	N/A	N	N	N/A	194	629	116	Y	75	302
3	Greene	A	ISTR-138-03	Trib. to Allen Stream	3	INT	B	Y	N	N/A	N	N	N/A	254	260	79	N	75	306
3	Greene	A	ISTR-138-01	Trib. to Allen Pond	4	INT	B	Y	N	N/A	N	N	N/A	100	490	118	N	75	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	75	307
3	Greene	A	PSTR-139-01	Trib. to Allen Stream	4	PER	B	Y	N	N/A	N	N	N/A	480	378	47	Y	75	307
3	Greene	A	PSTR-139-02	Trib. to Allen Stream	4	PER	B	Y	N	N/A	N	N	N/A	500	125	0	N	75	307
3	Greene	A	ISTR-139-03	Trib. to Allen Pond	2	INT	B	Y	N	N/A	N	N	N/A	278	244	107	N	75	309
3	Greene	A	ISTR-140-02	Trib. to Allen Pond	1.5	INT	B	Y	N	N/A	N	N	N/A	140	203	43	N	75	309
3	Greene	A	ISTR-140-04	Trib. to Allen Pond	3	INT	B	Y	N	N/A	N	N	N/A	296	82	0	N	75	309
3	Greene	A	ISTR-140-05	Trib. to Allen Pond	3	INT	B	Y	N	N/A	N	N	N/A	265	74	0	N	75	309
3	Greene	A	PSTR-140-08	Trib. to Allen Pond	4	PER	B	Y	N	N/A	N	N	N/A	94	281	0	Y	75	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	75	309
3	Greene	A	ISTR-140-03	Trib. to Allen Pond	6	INT	B	Y	N	N/A	N	N	N/A	197	1161	0	Y	75	310
3	Greene	A	PSTR-140-01	Allen Stream	6	PER	B	Y	N	N/A	N	N	N/A	292	463	0	N	75	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	75	310
3	Greene	A	ISTR-141-02	Trib. to Daggett Bog	4	INT	B	Y	N	N/A	N	N	N/A	268	244	102	N	75	312
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	75	312
3	Greene	A	PSTR-143-01	Stetson Brook	6	PER	B	Y	N	N/A	N	N	N/A	24	1202	326	Y	75	318
3	Greene	A	PSTR-143-02	Stetson Brook	10	PER	B	Y	N	N/A	N	N	N/A	210	97	0	N	75	318
3	Greene	A	PSTR-144-01	Trib. to Stetson Brook	6	PER	B	Y	N	Y	N	N	N/A	220	193	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	75	319
3	Lewiston	A	ISTR-PERRON-1	Trib. to Stetson Brook	0	INT	N/A	Y	N	N/A	N	N	N/A	27	41	212	N	75	320
3	Lewiston	A	ISTR-145-03	Trib. to Stetson Brook	8	INT	C	Y	N	N/A	N	N	N/A	230	17	0	N	75	321
3	Lewiston	A	ISTR-145-02	Trib. to Stetson Brook	2	INT	C	Y	N	Y	N	N	N/A	157	98	0	N	100	322
3	Lewiston	A	ISTR-146-04	Trib. to Stetson Brook	2	INT	C	Y	N	Y	N	N	N/A	482	5	0	N	100	323
3	Lewiston	A	PSTR-146-03	Trib. to Androscoggin River	2	PER	C	Y	N	N/A	N	N	N/A	419	206	0	N	75	323
3	Lewiston	A	PSTR-146-05	Trib. to Androscoggin River	1	PER	C	Y	N	N/A	N	N	N/A	156	1125	0	N	75	323
3	Moscow/ Concord Twp	D	PSTR-75-01	Kennebec River	3	PER	A	Y	N	Y	Y	N	N/A	239	4021	86	N	100	165, 166

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	Concord Twp	D	ISTR-76-05	Trib. to Kennebec River	15	INT	N/A	Y	N	Y	N	N	N/A	282	192	0	N	100	167, 168
3	Concord Twp	D	ISTR-81-01	Trib. to Kennebec River	4	INT	N/A	Y	N	N/A	N	N	N/A	295	62	0	N	75	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	57	0	N	75	178, 179
3	Embden	D	ISTR-82-01	Trib. to Alder Brook	5	INT	N/A	Y	N	Y	N	N	N/A	427	64	0	N	100	182, 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	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	PSTR-83-03	Alder Brook	35	PER	B	Y	N	Y	N	Y	Wood Turtle	81	7136	1392	Y	100	183, 184
3	Embden	D	ISTR-85-01	Jackin Brook	2	INT	B	Y	N	Y	N	N	N/A	158	1272	251	N	100	187, 188
3	Embden	D	ISTR-85-01	Trib. to Jackin Brook	2	INT	B	Y	N	Y	N	N	N/A	158	1272	251	N	100	187, 188
3	Anson	D	PSTR-90-02	Carrabassett River	400	PER	B	Y	N	Y	Y	Y	Wood Turtle	33	1671	154	N	100	199, 200
3	Anson	D	PSTR-93-01	Getchell Brook	15	PER	B	Y	Y	N	N	Y	Wood Turtle	59	1478	0	N	100	207, 208
3	Anson	D	ISTR-95-01	Trib. to Kennebec River	2.5	INT	B	Y	Y	N/A	N	N	N/A	111	1145	136	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	416	0	N	100	209, 210
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	2.5	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	204	82	Y	100	214, 215
3	Starks	D	ISTR-98-01	Trib. to Lemon Stream	2	INT	N/A	Y	Y	N/A	N	N	N/A	110	226	87	N	100	217, 218
3	Starks	D	PSTR-99-05	Lemon Stream	55	PER	B	Y	Y	Y	N	Y	Wood Turtle	96	1506	63	N	100	219, 220
3	Industry	D	ISTR-102-01	Trib. to Josiah Brook	8	INT	B	Y	Y	Y	N	N	N/A	220	325	22	N	100	225, 226
3	Industry	D	ISTR-103-08	Trib. to Goodrich Brook	4	INT	N/A	Y	Y	N/A	N	N	N/A	203	73	0	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	79	0	N	100	227, 228
3	Industry	D	ISTR-103-03	Trib. to Goodrich Brook	3	INT	N/A	Y	Y	N/A	N	N	N/A	95	255	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	78	Y	100	228, 229
3	Farmington	D	ISTR-107-03	Trib. to Beales Brook	1	INT	N/A	Y	Y	N/A	N	N	N/A	236	133	80	N	100	236, 237
3	Farmington	D	ISTR-108-07	Trib. to Cascade Brook	4	INT	B	Y	Y	N/A	N	N	N/A	86	2341	112	N	100	239, 240
3	Farmington	D	PSTR-110-01	Sandy River	70	PER	B	Y	Y	Y	Y	N	N/A	135	1175	152	N	100	242, 243
3	Farmington	D	ISTR-111-02	Trib. to Wilson Stream	3.5	INT	N/A	Y	Y	Y	N	N	N/A	240	159	0	N	100	246, 247
3	Farmington	D	PSTR-112-02	Trib. to Wilson Stream	6	PER	N/A	Y	Y	Y	N	Y	Wood Turtle	78	689	111	N	100	247, 248

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	Chesterville	D	PSTR-114-07	Trib. to Wilson Stream	5	PER	B	Y	Y	Y	N	Y	Wood Turtle	100	1041	220	Y	100	252, 253
3	Chesterville	D	PSTR-114-01	Trib. to Wilson Stream	8	PER	N/A	Y	Y	Y	N	N	N/A	227	764	85	N	100	253, 254
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-121-04	Trib. to Clay Brook	3	PER	B	Y	N	N	N	N	N/A	73	4212	0	Y	75	267, 268, 269
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	75	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	323	0	N	75	269, 270
3	Livermore Falls	B	PSTR-122-04	Trib. to Clay Brook	2	PER	B	Y	N	N/A	N	N	N/A	252	98	0	Y	75	269, 270
3	Livermore Falls	B	PSTR-122-03	Clay Brook/Redwater Brook	5	PER	B	Y	N	N/A	N	N	N/A	62	1438	201	Y	75	270, 271
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	75	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	1562	189	N	75	277, 278
3	Livermore Falls	B	ISTR-127-01	Trib. to Androscoggin River	10	INT	N/A	Y	N	N/A	N	Y	Creeper	411	406	48	Y	100	280, 281
3	Livermore Falls	B	PSTR-127-04	Hunton Brook	4	PER	B	Y	N	N/A	N	Y	Wood Turtle	105	6242	1829	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	475	77	Y	75	282, 283
3	Livermore Falls	B	PSTR-129-01	Scott Brook	20	PER	B	Y	N	N/A	N	N	N/A	166	494	106	N	75	285, 286
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	75	287, 288
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	75	299, 300
3	Greene	A	ISTR-140-07	Trib. to Allen Pond	2	INT	B	Y	N	N/A	N	N	N/A	151	570	0	N	75	310, 311
3	Lewiston	A	PSTR-145-01	Trib. to Stetson Brook	4	PER	C	Y	N	Y	N	N	N/A	8	3952	191	Y	100	321, 322, 323
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	159	0	N	100	324
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	3.5	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	4.5	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	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	PSTR-152-01	Trib. to No Name Brook	3	PER	B	Y	Y	N/A	N	N	N/A	165	501	0	N	100	337
4	Lewiston	A	ISTR-153-01	Trib. to Androscoggin River	3	INT	C	Y	Y	N/A	N	N	N/A	120	237	0	N	100	340

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
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	Auburn/ Lewiston	A	PSTR-155-03	Androscoggin River	645	PER	C	Y	Y	N/A	N	N	N/A	104	853	0	N	100	344
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	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-156-04	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-156-06	Trib. to Androscoggin River	2	PER	C	Y	Y	N/A	N	N	N/A	266	238	0	N	100	345
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	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-156-05	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-156-07	Trib. to Androscoggin River	2	PER	C	Y	Y	N/A	N	N	N/A	213	136	0	N	100	346
4	Durham	A	ISTR-157-01	Trib. to House Brook	1.5	INT	B	Y	Y	N/A	N	N	N/A	134	434	0	Y	100	348
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	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	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	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	PSTR-161-03	Runaround Brook	5	PER	B	N	N	N/A	N	N	N/A	472	1155	0	N	75	358
4	Lewiston	A	PSTR-147-01	Trib. to No Name Brook	3.5	PER	C	Y	Y	N/A	N	N	N/A	120	643	0	Y	100	326, 327
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	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	Pownal	A	PSTR-161-01	Runaround Brook	5	PER	B	N	N	N/A	N	N	N/A	31	2640	0	Y	75	358, 358A
4	Pownal	A	ISTR-161-04	Trib. to Runaround Brook	6	INT	B	N	N	N/A	N	N	N/A	66	114	0	N	75	358A
5	Wiscasset	B	ISTR-188-01	Trib. to Back River/ Monstweag Bay	3	INT	B	Y	Y	N/A	N	N	N/A	14503	270	0	N	100	359
5	Wiscasset	B	ISTR-188-02	Trib. to Back River/ Monstweag Bay	2	INT	B	Y	Y	N/A	N	N	N/A	13559	30	0	N	100	359
5	Wiscasset	B	ISTR-188-07	Trib. to Back River/ Monstweag Bay	2	INT	B	Y	Y	N/A	N	N	N/A	13617	81	0	N	100	359
5	Wiscasset	B	ISTR-188-09	Trib. to Back River/ Monstweag Bay	3	INT	B	Y	Y	N/A	N	N	N/A	14398	348	0	N	100	359
5	Wiscasset	B	ISTR-188-05	Trib. to Back River/ Monstweag Bay	1	INT	B	Y	Y	N/A	N	N	N/A	10626	250	0	N	100	360

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-188-06	Trib. to Back River/ Monstswag Bay	1	INT	B	Y	Y	N/A	N	N	N/A	10637	24	0	N	100	360
5	Wiscasset	B	PSTR-188-04	Trib. to Back River/ Monstswag Bay	1	PER	B	Y	Y	N/A	N	N	N/A	11480	563	0	N	100	360
5	Wiscasset	B	ISTR-187-15	Trib. to Back River/ Monstswag 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/ Monstswag 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/ Monstswag 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/ Monstswag 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	1.5	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	1.5	INT	B	Y	Y	N/A	N	N	N/A	8399	228	0	N	100	361
5	Wiscasset	B	ISTR-187-23	Trib. to Back River/ Monstswag Bay	2.5	INT	B	Y	Y	N/A	N	N	N/A	9725	511	0	N	100	361
5	Wiscasset	B	PSTR-187-19	Trib. to Chewonki Creek	1.5	PER	B	Y	Y	N/A	N	N	N/A	8373	146	0	N	100	361
5	Wiscasset	B	ISTR-187-06	Trib. to Chewonki Creek	2	INT	B	Y	Y	N/A	N	N	N/A	7230	103	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	80	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	42	0	N	100	362
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-187-22	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-186-01	Trib. to Chewonki Creek	4	INT	B	Y	Y	N/A	N	N	N/A	4560	599	0	N	100	363
5	Wiscasset	B	ISTR-187-01	Trib. to Chewonki Creek	2.5	INT	B	Y	Y	N/A	N	N	N/A	5206	176	0	N	100	363
5	Wiscasset	B	ISTR-187-02	Trib. to Chewonki Creek	1.5	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	1.5	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	104	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	1.5	INT	B	Y	Y	N/A	N	N	N/A	2585	785	0	N	100	364
5	Wiscasset	B	ISTR-186-04	Trib. to Chewonki Creek	1.5	INT	B	Y	Y	N/A	N	N	N/A	2763	333	0	N	100	364
5	Wiscasset/Woolwich	B	ISTR-186-06	Trib. to Montswag Brook	1.5	INT	B	Y	Y	N/A	N	Y	Wood Turtle	283	193	0	N	100	365

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-186-07	Trib. to Montsweag Brook	3	INT	B	Y	Y	N/A	N	N	N/A	1145	183	0	N	100	365
5	Woolwich	B	PSTR-185-01	Trib. to Montsweag Brook	9.5	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	17.5	PER	B	Y	Y	N/A	N	Y	Wood Turtle	238	1236	0	Y	100	365
5	Woolwich	B	ISTR-185-02	Trib. to Montsweag Brook	2.5	INT	B	Y	Y	N/A	N	N	N/A	130	115	115	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	96	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-184-02	Trib. to Montsweag Brook	2.5	INT	N/A	Y	Y	N/A	N	N	N/A	318	199	101	N	100	367
5	Wiscasset	B	ISTR-184-10	Montsweag Brook	2.5	INT	B	Y	Y	N/A	N	N	N/A	66	327	327	N	100	368
5	Wiscasset	B	ISTR-184-01	Trib. to Montsweag Brook	1.5	INT	B	Y	Y	N/A	N	N	N/A	140	346	0	N	100	369
5	Wiscasset	B	ISTR-184-05	Trib. to Montsweag Brook	3	INT	B	Y	Y	N/A	N	N	N/A	167	31	0	N	100	369
5	Wiscasset	B	ISTR-184-06	Trib. to Montsweag Brook	2	INT	B	Y	Y	N/A	N	N	N/A	191	102	0	N	100	369
5	Wiscasset	B	PSTR-184-08	Montsweag Brook	25	PER	B	Y	Y	N/A	N	N	N/A	182	158	0	N	100	369
5	Wiscasset	B	ISTR-183-01	Trib. to Montsweag Brook	2	INT	B	Y	Y	N/A	N	N	N/A	86	317	0	N	100	370
5	Wiscasset	B	ISTR-183-03	Trib. to Montsweag Brook	2	INT	B	Y	Y	N/A	N	Y	Wood Turtle	92	436	0	N	100	370
5	Wiscasset	B	PSTR-183-02	Trib. to Montsweag Brook	0.5	PER	B	Y	Y	N/A	N	N	N/A	39	1152	0	Y	100	370
5	Wiscasset	B	ISTR-182-01	Trib. Ward Brook	4	INT	N/A	Y	Y	N/A	N	N	N/A	247	121	0	N	100	373
5	Wiscasset	B	ISTR-181-01	Trib. to Ward Brook	3	INT	N/A	Y	Y	N/A	N	N	N/A	26	414	0	Y	100	374
5	Alna	B	ISTR-180-01	Trib. to Trout Brook	1	INT	B	Y	Y	N/A	N	N	N/A	40	511	0	N	100	377
5	Alna	B	PSTR-179-03	Trib. to Trout Brook	6	PER	B	Y	Y	Y	N	N	N/A	131	375	0	N	100	379
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
5	Alna	B	PSTR-176-01	Trib. to Sheepscot River	5	PER	B	Y	Y	Y	N	Y	Wood Turtle	196	396	0	Y	100	387
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	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	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	PSTR-174-03	Trib. to Sheepscot River	7	PER	B	Y	Y	Y	N	N	N/A	219	308	0	Y	100	389
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	PSTR-174-01	Trib. to Sheepscot River	6	PER	B	Y	Y	Y	N	N	N/A	186	359	0	Y	100	391

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-173-01	Trib. to Sheepscot River	3	INT	N/A	Y	Y	N/A	N	N	N/A	250	393	0	Y	100	392
5	Whitefield	B	PSTR-172-01	Trib. to Sheepscot River	6	PER	B	Y	Y	Y	N	N	N/A	93	669	0	N	100	394
5	Whitefield	B	PSTR-172-02	Trib. to Sheepscot River	20	PER	B	Y	Y	Y	N	N	N/A	80	1819	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-171-01	Trib. to Sheepscot River	40	PER	B	Y	Y	Y	N	N	N/A	302	388	0	Y	100	397
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-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	366	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	329	0	N	100	402
5	Whitefield	B	PSTR-169-01	East Branch Eastern River	5	PER	B	Y	Y	N/A	N	N	N/A	134	582	0	Y	100	402
5	Whitefield	B	PSTR-168-01	East Branch Eastern River	11	PER	B	Y	Y	N/A	N	N	N/A	189	360	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	728	0	Y	100	403
5	Whitefield	B	ISTR-166-01	Trib. To Finn Brook	2	INT	N/A	Y	Y	N/A	N	N	N/A	71	224	0	N	100	408
5	Whitefield	B	PSTR-166-02	Finn Brook	5	PER	A	Y	Y	Y	N	N	N/A	294	320	0	N	100	408
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	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
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	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	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-162-13	Trib. to West Branch Sheepscot River	1.5	PER	B	Y	Y	Y	N	N	N/A	778	599	0	N	100	417
5	Wiscasset	B	ISTR-188-03	Trib. to Back River/ Monstswag Bay	2	INT	B	Y	Y	N/A	N	N	N/A	12507	170	0	N	100	359, 360
5	Wiscasset	B	PSTR-187-24	Trib. to Chewonki Creek	1.5	PER	B	Y	Y	N/A	N	N	N/A	7917	787	0	N	100	361, 362
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-186-05	Trib. to Montswag Brook	1.5	INT	B	Y	Y	N/A	N	N	N/A	1332	159	0	N	100	364, 365

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	Woolwich	B	ISTR-184-03	Trib. To Montsweag Brook	150	INT	B	Y	Y	N/A	N	N	N/A	113	97	97	N	100	367, 368
5	Woolwich	B	ISTR-184-04	Trib. to Montsweag Brook	2.5	INT	B	Y	Y	N/A	N	N	N/A	23	292	131	Y	100	367, 368
5	Wiscasset	B	ISTR-184-09	Montsweag Brook	30	INT	B	Y	Y	N/A	N	N	N/A	45	1580	348	N	100	368, 369
5	Wiscasset	B	ISTR-181-02	Ward Brook	2	INT	B	Y	Y	N/A	N	N	N/A	42	573	0	Y	100	374, 375
5	Alna	B	PSTR-179-02	Trib. to Trout Brook	6	PER	B	Y	Y	N/A	N	N	N/A	95	1204	0	Y	100	379, 380
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	2323	0	N	100	381, 382
5	Whitefield	B	PSTR-170-01	East Branch Eastern River	9	PER	B	Y	Y	N/A	N	N	N/A	172	436	0	Y	100	399, 400
5	Windsor	B	PSTR-163-02	West Branch Sheepscot River	40	PER	AA	Y	Y	Y	Y	Y	Brook Floater	51	6684	34	N	100	414, 415, 416
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	ISTR-162-08	Trib. to West Branch Sheepscot River	2	INT	B	Y	Y	N/A	N	N	N/A	1420	264	0	N	100	N/A
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	Windsor	B	PSTR-162-06	Trib. to West Branch of Sheepscot River	1.5	PER	B	Y	Y	Y	N	N	N/A	1335	288	0	N	100	N/A

Cumulative Impacts		
	Linear Feet	Miles
Streams Within CMP Controlled Land	306,505	58.05
Permanent Forested Conversion Impact to Streams	58,173	11.02

Exhibit 9-10: Wetland Summary Table: Segment 1

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Pole Fill Impact (Sq Ft)	Temporary Access Crossing Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-00-01	Y	140	0	0	0	PSS		River, stream or brook	1
WET-00-02	Y	1863	0	0	0	PFO1/4		River, stream or brook	1
WET-00-03	N	18839	0	0	3543	PFO1			1
WET-00-04	N	43413	0	648	12058	PFO1			1
WET-01-02	Y	5497	0	0	0	PFO1		River, stream or brook	3
WET-01-03	Y	13795	0	961	0	PSS	PEM	River, stream or brook	3
WET-01-04	N	56315	0	0	0	PSS			3
WET-01-05	N	4951	0	0	0	PFO1			3
WET-01-07	N	71019	0	2627	33030	PFO1E	PSS		3
WET-01-08	N	9369	0	0	2425	PFO1			4
WET-01-09	N	5164	0	0	0	PFO1/4E			4
WET-01-10	Y	288	0	0	0	PFO1/4E		River, stream or brook	4
WET-01-11	N	299	0	0	0	PSS			4
WET-01-12	Y	75	0	0	75	PFO1/4		River, stream or brook	4
WET-01-13	N	5	0	0	5	PFO1/4			4
WET-01-20	N	3309	0	0	0	PEM1E			4
WET-01-21	Y	683	0	0	0	PEM1E		River, stream or brook	4
WET-01-14	N	928	0	0	928	PFO1			5
WET-01-15	N	9219	0	0	0	PSS1E			5
WET-01-16	N	6156	0	0	0	PSS1E			5
WET-01-17	Y	8841	0	0	0	PEM1E		River, stream or brook	5
WET-01-19	Y	38614	0	2619	0	PEM1E		River, stream or brook	5
WET-02-16	Y	1739	0	0	0	PFO1E		River, stream or brook	5
WET-02-17	N	1588	0	0	0	PSS1E			5
WET-02-18	N	3159	0	0	0	PEM1			5
WET-02-19	N	3754	0	4	0	PEM1E	PFO1E		5
WET-02-20	N	2251	0	0	0	PEM1E	PFO1E		5
WET-02-15	N	2102	0	0	1466	PFO1/4E			5/6
WET-02-22	N	2817	0	0	0	PEM1E			5/6

Exhibit 9-10: Wetland Summary Table: Segment 1

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Pole Fill Impact (Sq Ft)	Temporary Access Crossing Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-02-04	Y	21681	98	3862	0	PEM1E		River, stream or brook	6
WET-02-06	Y	683	0	0	0	PEM		River, stream or brook	6
WET-02-08	Y	2381	0	270	0	PEM		River, stream or brook	6
WET-02-09	N	11186	0	861	0	PEM			6
WET-02-11	Y	5051	0	0	0	PEM		River, stream or brook	6
WET-02-12	N	7244	0	0	0	PEM			6
WET-02-13	Y	784	0	0	0	PEM		River, stream or brook	6
WET-02-14	N	1759	0	0	0	PFO			6
WET-02-05	Y	1059	0	0	0	PEM		River, stream or brook	6/7
WET-02-01	Y	6961	0	0	0	PEM1E		River, stream or brook	7
WET-02-02	Y	10069	0	614	0	PEM1E		River, stream or brook	7
WET-02-03	N	1355	0	0	0	PEM			7
WET-MS-02-06	N	633	0	0	0	PEM1Y			7
WET-MS-03-15	N	1157	0	0	0	PEM1E	PSS1E		7
WET-MS-03-16	N	738	0	0	0	PEM1E	PSS1E		7
WET-MS-03-21	N	442	0	0	0	PEM1E			7
WET-MS-03-11	N	1863	0	0	0	PEM1E			8
WET-MS-03-12	Y	25915	0	2406	0	PSS		River, Stream, or Brook	8
WET-MS-03-17	N	2215	0	0	0	PEM1E	PSS1E		8
WET-MS-03-18	N	1996	0	0	0	PSS1E			8
WET-MS-03-19	N	1207	0	0	0	PEM			8
WET-MS-03-20	N	1054	0	0	0	PEM1E			8
WET-MS-03-10	Y	3790	0	0	3761	PFO		River, Stream, or Brook	8/9
WET-MS-03-9	N	3463	0	0	0	PEM			8/9
WET-MS-03-03	N	3305	0	0	0	PEM1Y	PFO1Y		9
WET-MS-03-04	N	2503	0	0	0	PSS1E			9
WET-MS-03-06	N	1148	0	0	0	PEM1Y			9

Exhibit 9-10: Wetland Summary Table: Segment 1

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Pole Fill Impact (Sq Ft)	Temporary Access Crossing Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-MS-03-7	N	809	0	0	0	PSS			9
WET-MS-03-8	N	9	0	0	0	PEM			9
WET-MS-03-01	N	5401	0	0	5401	PFO01			9
WET-MS-04-04	N	2174	0	0	0	PEM			9
WET-MS-04-07	N	315	0	0	0	PEM			9
WET-MS-04-08	N	1367	0	0	0	PEM			9
WET-MS-04-06	N	2532	0	0	2532	PFO01/4E			9/10
WET-MS-04-05	N	2893	0	0	0	PEM			10
STI-WT-18	N	143	0	0	0	PEM			11
STI-WT-19	N	1436	0	494	0	PEM			11
WET-04-07	N	15864	0	0	0	PSS			13
WET-04-08	N	912	0	0	0	PEM			13
WET-04-02	N	8410	0	0	0	PEM1E			14
WET-04-09	N	6089	0	827	0	PEM1E			14
WET-04-10	N	1087	18	1065	0	PEM1E			14
WET-04-12	N	13561	0	3	0	PEM1E			14
WET-05-08	Y	6296	0	543	6243	PFO1-4		River, stream or brook	14
WET-05-09	Y	6094	0	0	0	PEM		River, stream or brook	14
WET-05-03	N	1016	0	0	0	PEM			15
WET-05-04	N	11183	0	0	0	PSS			15
WET-05-05	N	20358	0	0	0	PSS			15
WET-05-06	Y	35882	0	1587	17532	PFO1-4		River, stream or brook	15
WET-05-07	Y	2989	0	0	0	PEM		River, stream or brook	15
WET-05-01	N	9445	0	0	0	PEM			16
WET-06-01	N	7275	0	0	0	PEM			19
WET-06-02	Y	9320	0	0	1643	PFO1		River, stream or brook	19
WET-06-03	Y	6666	0	164	0	PEM		River, stream or brook	19
WET-06-04	Y	671	0	0	0	PEM		River, stream or brook	19
WET-07-04	N	2260	0	0	0	PEM			19

Exhibit 9-10: Wetland Summary Table: Segment 1

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Pole Fill Impact (Sq Ft)	Temporary Access Crossing Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-07-05	Y	9508	0	362	0	PEM		River, stream or brook	19
WET-07-06	Y	20231	0	0	0	PEM		River, stream or brook	19
WET-07-08	N	311	0	0	311	PFO1			19
WET-07-09	N	10353	0	0	0	PEM			19
WET-07-10	N	7473	0	0	2315	PFO1-4			19
WET-07-13	N	1025	0	0	0	PFO1-4			19
WET-07-14	N	3983	0	1128	0	PEM			19
WET-07-15	N	1701	0	0	0	PEM			19
WET-07-01	Y	5327	0	0	0	PFO1-4		River, stream or brook	20
WET-07-02	Y	23991	0	1573	11325	PFO1-4		River, stream or brook	20
WET-07-03	N	5762	0	0	0	PEM			20
WET-08-01	Y	75490	0	0	37124	PFO4		River, stream or brook	22
WET-08-02	N	1603	0	0	0	PFO1-4			22
WET-08-03	Y	1168	0	0	0	PEM		River, stream or brook	22
WET-08-04	N	11771	0	0	0	PEM			22
WET-08-05	N	9427	0	70	0	PEM			22
WET-09-01	N	31146	0	1488	0	PEM			23
WET-09-09	Y	38316	0	0	11541	PFO1-4		River, stream or brook	23
WET-09-11	Y	56010	0	0	35404	PFO1-4		River, stream or brook	23
WET-09-04	Y	1841	0	0	0	PFO1-4		River, stream or brook	24
WET-09-05	N	3018	2	1856	0	PEM			24
WET-09-07	N	14737	0	0	0	PEM			24
WET-10-01	N	36750	0	1528	17538	PFO1/4	PEM		25
WET-10-02	N	3907	0	352	3907	PFO1/4	PEM		26
WET-10-03	N	9469	0	1341	9469	PFO1/4	PEM		26
WET-10-04	N	3116	0	583	3116	PFO1/4			26
WET-10-05	N	207	0	0	207	PFO1/4			26
WET-10-06	N	977	0	0	503	PFO1/4			26
WET-10-07	N	13429	0	0	495	PFO1			26

Exhibit 9-10: Wetland Summary Table: Segment 1

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Pole Fill Impact (Sq Ft)	Temporary Access Crossing Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-10-08	N	1522	0	0	0	PFO1			26
WET-10-09	Y	28681	0	0	2121	PFO1/4	PEM	River, stream or brook	26
WET-10-10	Y	57848	0	32	2141	PFO1/4E	PEM	River, stream or brook	26
WET-10-11	Y	35643	0	0	3408	PFO1/4E	PSS	River, stream or brook	26
WET-10-12	N	259	0	0	259	PFO1/4E			27
WET-11-04	N	8686	0	0	584	PFO1E			27
WET-RR-11-01	N	4730	0	0	0	PEM1E			28
WET-RR-11-02	N	17679	0	0	0	PEM1E			28
WET-RR-11-03	Y	6759	0	0	6759	PFO1-4		River, stream or brook	28
WET-RR-11-04	Y	3195	0	0	778	PFO1/4E	PEM1E	River, stream or brook	28
WET-RR-11-05	N	12095	0	0	1	PFO1/4E			28
WET-RR-12-01	Y	369	0	0	0	PSS1E		River, stream or brook	29
WET-RR-12-02	Y	7980	0	0	0	PFO1/4E		River, stream or brook	29
WET-RR-12-2-RR1	Y	73676	0	0	0	PFO1/4E		River, stream or brook	29
WET-12-01	N	18889	0	0	3328	PFO1/4	PEM		30
WET-12-02	Y	2639	0	0	0	PFO1/4		River, stream or brook	30
WET-12-04	Y	44917	0	583	0	PSS		River, stream or brook	31
WET-12-07	Y	4307	0	0	0	PFO4		River, stream or brook	31
WET-12-08	Y	6743	0	0	0	PEM		River, stream or brook	31
WET-13-10	N	34174	0	4840	20683	PFO4			31
WET-13-11	N	4228	2	1812	3668	PFO4			31
WET-13-13	N	6528	0	0	3886	PFO4			31
WET-13-18	N	32414	0	2095	14344	PFO4			31
WET-13-19	N	1270	0	0	930	PFO4			31
WET-13-21	N	4068	0	0	0	PSS4E			31
WET-13-22	N	426	0	0	0	PSS4E			31
WET-13-14	N	10886	0	0	2891	PFO4			31/32
WET-13-15	N	2041	0	0	2041	PFO4			31/32

Exhibit 9-10: Wetland Summary Table: Segment 1

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Pole Fill Impact (Sq Ft)	Temporary Access Crossing Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-13-06	N	1893	0	0	0	PEM			32
WET-13-07	Y	26155	0	559	0	PEM		River, stream or brook	32
WET-13-08	Y	3615	0	0	0	PEM		River, stream or brook	32
WET-13-09	N	16565	0	0	5741	PFO4			32
WET-13-16	N	11773	0	0	4774	PFO4			32
WET-13-17	N	1626	0	0	1626	PFO4			32
WET-13-02	N	544	0	0	0	PEM			33
WET-14-16	Y	726	0	0	0	PEM1E		River, stream or brook	33
WET-14-17	N	2835	0	0	0	PEM			33
WET-13-03	Y	486	0	0	0	PSS		River, stream or brook	34
WET-14-04	Y	146	0	0	0	PEM1E		River, stream or brook	34
WET-14-05	Y	31	0	0	0	PEM1E		River, stream or brook	34
WET-14-06	N	1286	0	0	0	PEM1E			34
WET-14-07	N	77	0	0	0	PEM1E			34
WET-14-08	N	57	0	0	0	PSS			34
WET-14-10	Y	467	0	0	242	PFO1		River, stream or brook	34
WET-14-11	Y	115	0	0	0	PFO1E		River, stream or brook	34
WET-14-12	Y	6716	0	0	0	PEM1E		River, stream or brook	34
WET-14-13	N	292	0	0	0	PEM1E			34
WET-14-14	N	2505	0	0	0	PEM1E			34
WET-14-01	N	255	0	0	255	PFO1/4E			35
WET-14-02	N	471	0	0	463	PFO1/4E			35
WET-15-17	N	601	0	0	0	PFO1			35
WET-15-04	N	982	0	0	0	PUB			37
WET-15-05	N	174	0	0	0	PFO1-4			37
WET-16-01	N	1872	0	0	0	PFO4E			37
WET-16-02	Y	3047	0	0	0	PFO1-4		River, stream or brook	38
WET-16-04	Y	29910	0	0	0	PFO1/4E		River, stream or brook	38
WET-16-05	N	314	0	0	0	PFO1/4E			38

Exhibit 9-10: Wetland Summary Table: Segment 1

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Pole Fill Impact (Sq Ft)	Temporary Access Crossing Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-16-07	Y	1202	0	0	0	PEM1E	PSS	River, stream or brook	38
WET-16-10	Y	1056	0	0	0	PEM1E	PSS1E	River, stream or brook	38
WET-16-101	Y	36905	0	0	0	PSS1E		River, stream or brook	38
WET-16-11	N	1190	0	0	0	PSS1E	PEM		38
WET-16-12	N	227	0	0	0	PUB			38
WET-16-13	N	1369	0	0	0	PEM1E			38
WET-16-14	Y	17862	0	187	0	PSS1E	PFO1E	River, stream or brook	38
WET-16-102	N	17529	0	393	0	PSS1E			39
WET-16-104	N	3067	0	0	0	PFO1E			39
WET-17-11	Y	204504	0	13436	102199	PFO1/4		River, stream or brook	39/40
WET-17-04	Y	17486	0	4	1836	PFO1/4		River, stream or brook	40
WET-17-09	N	520	0	0	520	PFO1/4			40
WET-17-10	N	468	0	0	0	PFO1/4			40
WET-17-06	N	777	0	0	777	PFO1/4	PEM		41
WET-17-07	N	645	0	0	645	PFO1-4			41
WET-17-08	N	7028	0	28	7028	PFO			41
WET-18-05	Y	160016	0	6770	59460	PFO1/4		River, stream or brook	41/42
WET-18-02	Y	11277	0	1288	6154	PFO1-4		River, stream or brook	42
WET-18-03	Y	1355	0	0	1355	PFO1/4		River, stream or brook	42
WET-18-04	Y	25861	0	1641	18900	PFO1/4		River, stream or brook	42
WET-18-100	Y	2028	0	694	1782	PFO1	PFO4	River, stream or brook	42
WET-18-101	Y	4684	0	572	4684	PFO4		River, stream or brook	42
WET-18-01	N	10400	0	0	0	PFO1-4			43
WET-19-01	N	3643	0	0	2044	PFO1/4			44
WET-19-02	N	4	0	0	4	PFO1/4			44
WET-19-03	N	6	0	0	0	PSS1E	PUB		45
WET-20-06	N	20875	0	0	0	PFO1-4			46
WET-20-07	N	28227	0	1953	14013	PFO/PSS			46

Exhibit 9-10: Wetland Summary Table: Segment 1

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Pole Fill Impact (Sq Ft)	Temporary Access Crossing Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-20-05	Y	932	0	0	0	PSS	PEM	River, stream or brook; Significant wildlife (IWWH)	47
WET-20-5-RR2	Y	48737	0	0	0	PEM/POW		River, stream or brook; Significant wildlife (IWWH)	47
WET-RR2-1	N	817	0	0	0	PEM/PFO			47
WET-RR2-2	N	10279	0	675	0	PFO			47
WET-RR2-3	N	4523	0	0	0	PFO			47
WET-20-02	N	79165	0	5545	41283	PFO4			48
WET-21-09	Y	84062	0	905	49227	PFO1-4		River, stream or brook; Significant wildlife (IWWH)	48
WET-21-10	N	6406	0	0	0	PEM			48
WET-21-12	Y	16712	0	951	15953	PFO4		River, stream or brook; Significant wildlife (IWWH)	48
WET-21-06	N	1045	0	0	0	PFO1-4			49
WET-21-08	Y	167662	0	0	63053	PFO1-4		River, stream or brook	49
WET-21-01	Y	66126	0	3564	29107	PFO4	PSS	Peatland	50
WET-21-02	Y	21928	0	0	0	PSS		Peatland	50
WET-21-03	Y	8185	0	12	0	PSS		Peatland	50
WET-21-04	N	2375	0	0	0	PSS			50
WET-21-05	N	6644	0	0	0	PSS			50
WET-22-07	N	11184	0	1176	9222	PFO1			50
WET-22-01	N	29824	0	556	25904	PFO4			51
WET-22-02	N	10223	0	0	3999	PFO1-4			51
WET-22-03	N	11443	0	0	4	PFO1-4			51
WET-22-04	N	9633	159	4353	0	PSS			52
WET-22-05	N	57952	0	1560	17601	PFO4			52

Exhibit 9-10: Wetland Summary Table: Segment 1

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Pole Fill Impact (Sq Ft)	Temporary Access Crossing Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-23-02	Y	77087	0	0	46262	PFO4	PSS	Peatland	52/53
WET-23-01	N	47718	0	2428	0	PSS			54
WET-23-03	Y	142913	0	0	34522	PFO4		River, stream or brook	54
WET-24-11	N	115108	0	0	29559	PFO4			54/55
WET-24-09	N	52450	0	4279	0	PSS			55
WET-24-10	Y	158273	0	0	0	PSS	PFO4	River, stream or brook; Significant wildlife (IWWH)	55
WET-24-01	Y	8136	0	0	0	PSS		River, stream or brook	56
WET-24-03	N	20520	0	0	20520	PFO4			56
WET-24-04	Y	1724	0	0	0	PSS		Peatland	56
WET-24-05	Y	33601	0	0	18580	PFO	PSS/PUB	Peatland	56
WET-24-06	N	23475	0	0	12290	PFO4			56
WET-24-07	N	8070	0	0	0	PSS	PFO		56
WET-24-08	N	6179	0	0	5419	PFO4			56
WET-25-09	N	3677	0	0	0	PEM			57
WET-25-10	N	22463	0	0	0	PFO4E	PEM1E		57
WET-25-11	N	4098	0	0	0	PFO4E			57
WET-25-100	N	3541	0	351	3541	PFO			57
WET-25-01	N	85411	0	4544	48687	PFO4			57/58
WET-25-08	N	9717	0	0	0	PFO4			57/58
WET-25-02	Y	6824	0	0	6824	PFO4		Significant wildlife (IWWH)	58
WET-25-03	Y	54087	0	3795	30521	PFO4		River, stream or brook; Significant wildlife (IWWH)	58
WET-25-06	N	1151	0	0	0	PEM			58
WET-25-07	N	1991	0	0	0	PSS			58
WET-25-04	N	11310	0	0	1374	PFO4			58/59

Exhibit 9-10: Wetland Summary Table: Segment 1

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Pole Fill Impact (Sq Ft)	Temporary Access Crossing Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-26-01	Y	379	0	0	379	PFO4E		Significant wildlife (IWWH)	59
WET-26-02	Y	32515	0	0	0	PSS		River, stream or brook; Significant wildlife (IWWH)	59
WET-26-03	N	4420	0	0	0	PFO4			59
WET-26-04	N	19373	0	21	13623	PFO4E			59
WET-26-08	Y	6357	0	5	6357	PFO4E		Significant wildlife (IWWH), Peatland	59
WET-26-05	N	9520	0	0	0	PFO1-4			60
WET-26-06	Y	2021	0	49	2021	PFO1		River, stream or brook	60
WET-26-07	Y	46455	0	25	0	P404E		River, stream or brook, Peatland	60
WET-27-08	N	18675	0	3592	0	PFO1-4			61
WET-27-09	N	15696	0	0	12727	PFO1/4			61
WET-27-01	N	8939	0	0	8939	PFO1/4			62
WET-27-02	N	21376	0	18	11116	PFO1/4E			62
WET-27-03	Y	21328	0	0	5265	PFO1/4E		River, stream or brook	62
WET-27-04	Y	1371	0	0	0	PFO1/4E		River, stream or brook	62
WET-27-06	N	18486	0	0	1178	PSS			62
WET-27-100	N	87	0	0	87	PFO			62
WET-SRD1-27-01	N	1770	0	0	0	PSS			62/63
WET-SRD1-27-02	N	2986	0	0	0	PSS			62/63
WET-SRD1-27-03	N	4174	0	502	0	PEM			62/63
WET-SRD1-27-04	Y	360217	40	7800	0	PSS		River, stream or brook	63/64
WET-EM-28-10	N	60571	0	0	4174	PFO4E			64

Exhibit 9-10: Wetland Summary Table: Segment 1

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Pole Fill Impact (Sq Ft)	Temporary Access Crossing Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-EM-28-11	N	3369	0	0	0	PSS1E	PEM1E		64
WET-EM-28-12	N	1992	0	0	0	PEM1E			64
WET-EM-28-13	N	63591	0	418	0	PEM1E			64
WET-EM-28-15	N	3351	0	0	0	PEM1E			64
WET-EM-28-16	N	34272	0	0	0	PSS1E			64
WET-EM-29-14	N	569	0	0	0	PEM			64
WET-SR-28-19	N	1375	0	0	0	PEM1E			64
WET-SR-28-20	N	3661	0	0	0	PSS1E			64
WET-SR-28-17	N	6127	0	0	0	PFO1E			65
WET-RR-01-04	N	17	0	0	17	PFO1			66
WET-SR-29-03	Y	2703	0	0	0	PSS1E		River, stream or brook	66
WET-SR-29-04	Y	2653	0	11	0	PSS1E		River, stream or brook	66
WET-SR-29-05	N	3979	0	7	3979	PFO1E			66
WET-SR-29-06	N	1913	0	0	1913	PFO1E			66
WET-SR-29-07	N	33910	0	1258	0	PEM1E			66
WET-SR-29-11	N	6218	0	0	0	PEM1E			66
WET-SR-29-12	N	6608	0	0	0	PEM1E			66
WET-SR-29-13	N	746	0	0	0	PSS1E			66
WET-SR-29-10	N	1339	0	0	0	PEM1E			66/67
WET-SR-29-16	N	803	0	0	0	PEM1E			67
WET-SR-29-17	N	3176	0	0	0	PSS1E			67
WET-SR-29-18	N	10270	0	0	0	PFO4E			67
WET-SR-29-19	N	2745	0	11	2745	PFO4E			67
WET-SR-29-20	N	231	0	0	231	PFO4E			67
WET-SR-29-21	N	3705	0	0	3705	PFO4E			67
WET-SR-30-01	N	7786	0	0	0	PSS1E			67
WET-SR-29-22	N	51513	0	0	51504	PFO4E	PEM1E		67/68
WET-SR-30-02	N	312868	40	15807	113964	PFO4E			67/68
WET-SR-30-03	N	6032	0	0	6032	PFO4E			68

Exhibit 9-10: Wetland Summary Table: Segment 1

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Pole Fill Impact (Sq Ft)	Temporary Access Crossing Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-30-01	Y	3684	0	0	530	PFO1/4		River, stream or brook	69
WET-30-03	Y	27745	0	1699	13303	PFO4	PEM	Peatland	69
WET-30-02	Y	139005	19	6169	54811	PFO1/4		River, stream or brook; Significant wildlife (ETS)	69/75
STI-55	N	5317	0	0	0	PSS/PFO			72
WET-SR-31-03	Y	110944	0	3990	45606	PFO4E		Significant wildlife (ETS)	75
WET-SR-31-04	Y	5219	0	0	0	PSS4E		Significant wildlife (ETS)	75
WET-SR-31-05	Y	631	0	0	631	PFO4E		Significant wildlife (ETS)	75
WET-SR-31-06	Y	5961	0	0	5961	PFO4E		Significant wildlife (ETS)	75
WET-SR-31-07	Y	2742	0	0	0	PFO4E		Significant wildlife (ETS)	75
WET-SR-31-08	Y	1465	0	0	0	PFO4E		Significant wildlife (ETS)	75
WET-SR-31-09	Y	1	0	0	1	PFO4E		Significant wildlife (ETS)	75
WET-31-05	Y	154654	0	0	0	PSS	PFO1-4	River, stream or brook; Significant wildlife (ETS)	75/76
WET-31-02	N	3058	0	0	0	PEM			76
WET-31-03	Y	417	0	0	0	PFO1-4		River, stream or brook	76
WET-31-04	N	710	0	0	0	PFO1			76
WET-SR-31-02	N	10584	0	0	10585	PFO4E			76
WET-31-01	Y	27005	0	0	21617	PFO1-4		River, stream or brook	77
WET-32-04	N	13881	0	2224	0	PEM	PFO4		77
WET-32-05	N	12529	0	957	0	PEM			77

Exhibit 9-10: Wetland Summary Table: Segment 1

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Pole Fill Impact (Sq Ft)	Temporary Access Crossing Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-32-06	N	1056	0	0	0	PEM			77
WET-32-07	N	30107	0	0	0	PFO4			77
WET-32-03	N	36952	0	0	20675	PFO4			78/79
WET-32-02	Y	31277	0	0	14316	PFO4	PEM	Significant wildlife (ETS)	79
WET-33-07	Y	3189	0	0	0	PEM		Significant wildlife (ETS)	79
WET-33-08	Y	5179	0	0	0	PEM		Significant wildlife (ETS)	79
WET-33-09	Y	458	0	0	0	PEM		Significant wildlife (ETS)	79
WET-33-10	Y	2598	0	0	0	PEM		Significant wildlife (ETS)	79
WET-33-11	Y	957	0	0	0	PEM		Significant wildlife (ETS)	79
WET-33-12	N	395	0	0	0	PFO4			80
WET-34-06	N	8467	0	5	8467	PFO1-4			80
WET-EM-33-01	N	13917	0	0	0	PSS4E			80
WET-EM-33-02	N	2409	0	0	0	PSS4E	PEM4E		80
WET-EM-33-03	Y	5615	0	0	0	PSS1E	PEM1E	River, stream or brook	80
WET-EM-33-04	N	729	0	0	0	PEM			80
WET-EM-33-08	N	4786	0	0	0	PEM1E			80
WET-33-02	N	1646	0	0	1644	PFO1			80/81
WET-EM-34-02	N	20414	0	2981	2981	PFO4E	PSS4E		82
WET-EM-34-03	N	3950	0	0	0	PFO1E	PEM1E		82
WET-EM-34-04	N	4791	0	0	0	PSS1E	PFO1E		82
WET-EM-34-05	N	8161	0	0	0	PEM1E	PFO1E		82
WET-EM-34-08	N	2598	0	0	1456	PFO1E	PFO4E		83
WET-EM-34-09	N	5560	0	73	5560	PFO4E	PEM1E		83
WET-EM-34-10	N	2732	0	0	2732	PFO1E			83

Exhibit 9-10: Wetland Summary Table: Segment 1

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Pole Fill Impact (Sq Ft)	Temporary Access Crossing Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-EM-34-11	N	26582	0	0	1234	PFO1E			83
WET-EM-35-01	N	5129	0	0	0	PFO4E			84
WET-EM-35-02	N	87231	0	0	43796	PFO4E	PEM1E		84
WET-EM-35-05	N	65036	0	3145	22684	PFO4E	PEM1E		84/85
WET-35-01	Y	81298	0	2205	33754	PFO1-4		River, stream or brook	85
WET-35-02	Y	4124	0	0	0	PSS		River, stream or brook	85
WET-EM-35-07	N	1823	0	0	0	PEM1E			85
WET-EM-35-08	N	305	0	0	0	PEM1E			85
WET-36-09	N	64249	0	0	28793	PFO1/4			88
WET-36-10	N	11187	0	0	0	PSS			88
WET-36-11	N	3162	0	0	0	PSS			88
WET-36-12	N	5041	0	0	0	PEM			88
WET-36-13	N	89455	0	3683	40198	PFO1-4			88
WET-36-03	Y	5145	0	0	0	PEM		River, stream or brook	89
WET-36-06	N	4279	0	0	0	PEM			89
WET-36-07	N	15337	0	850	0	PSS	PEM		89
WET-36-08	N	489	0	0	0	PEM			89
WET-36-01	Y	208	0	0	0	PEM		River, stream or brook	89/90
WET-36-04	Y	524	0	0	0	PEM		River, stream or brook	89/90
WET-36-05	Y	792	0	0	0	PEM		River, stream or brook	89/90
WET-37-02	N	5281	0	0	0	PSS	PEM		91
WET-37-03	N	6937	0	0	0	PSS	PEM		91
WET-37-07	Y	2364	0	0	0	PSS		River, stream or brook	91
WET-37-08	N	40303	0	0	0	PSS	PEM		91
WET-37-10	N	846	0	0	0	PFO1			91
WET-37-11	N	3211	0	0	503	PFO1-4	PEM		91
WET-38-10	Y	2541	0	0	0	POW, PSS	PFO, PSS	River, stream or brook, Open water	92
WET-38-11	Y	281	0	0	0	PEM		River, stream or brook	92

Exhibit 9-10: Wetland Summary Table: Segment 1

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Pole Fill Impact (Sq Ft)	Temporary Access Crossing Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-38-12	N	5470	0	0	1	PFO1			92
WET-38-04	Y	4683	0	0	0	PSS, PEM		River, stream or brook	93
WET-38-05	Y	5905	0	0	1666	PFO1		River, stream or brook	93
WET-38-08	N	512	0	0	512	PFO1-4			93
WET-38-01	N	6981	0	531	6981	PFO1			94
WET-39-07	N	34448	0	347	0	PSS			94
WET-39-08	Y	28508	0	2091	0	PSS		River, stream or brook	94
WET-39-04	N	548	0	0	0	PFO1			95
WET-39-05	Y	21205	0	469	21205	PFO1-4		River, stream or brook	95
WET-39-03	Y	37594	0	730	16769	PFO1-4		River, stream or brook	95/96
WET-39-01	N	1351	0	0	0	PSS1E			96
WET-39-02	N	8048	0	577	6315	PFO1-4			96
WET-40-24	N	165	0	0	0	PEM			96
WET-40-15	N	1588	0	0	1588	PFO1/4E			97
WET-40-16	Y	3111	0	0	0	PFO1E		River, stream or brook	97
WET-40-18	Y	177360	40	7194	86624	PFO4E		PSVP/SVP	97
WET-40-21	Y	7936	0	0	0	PFO1/4E	PEM1E	River, stream or brook	97
WET-40-25	N	2801	0	0	2452	PFO1-4			97
WET-41-09	Y	14189	0	0	14189	PFO1-4		River, stream or brook	97
WET-41-11	Y	322	0	0	0	PSS		River, stream or brook	97
WET-CR-40-01	N	4601	0	0	0	PSS1/4E			97
WET-40-05	N	9653	0	0	1458	PFO1/4E			97/98
WET-40-13	N	257	0	0	0	PSS1E			97/98
WET-40-10	N	8977	0	2131	8977	PFO1E			98
WET-40-11	Y	68610	0	0	31275	PFO1/4E		River, stream or brook	98
WET-41-12	N	378	0	0	0	PFO			98
WET-41-03	N	27436	0	0	10693	PFO1/4E	PSS1E		99
WET-41-06	Y	97619	0	0	67709	PFO1/4E		River, stream or brook	99
WET-41-02	Y	118626	0	0	43647	PFO1		River, stream or brook	99/100

Exhibit 9-10: Wetland Summary Table: Segment 1

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Pole Fill Impact (Sq Ft)	Temporary Access Crossing Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-41-01	Y	18991	0	230	1620	PFO1-4		River, stream or brook	100
WET-42-12	N	3135	0	2	0	PFO1-4			100
WET-42-13	N	679	0	0	0	PFO1-4			100
WET-42-14	N	3903	0	0	0	PFO1-4			100
WET-42-15	Y	21358	0	0	8090	PFO1-4		River, stream or brook	100
WET-42-16	Y	12020	0	1368	8998	PFO1-4		River, stream or brook	100
WET-42-17	Y	41483	0	0	23531	PFO1-4		River, stream or brook	100/101
WET-42-08	N	364	0	0	0	PFO1			101
WET-42-09	Y	10960	0	0	0	POW		River, stream or brook	101
WET-42-11	N	15665	0	0	15665	PFO			101
WET-42-18	N	6621	0	0	0	PFO1-4			101
WET-42-07	N	980	0	0	0	PEM			101/102
WET-42-02	Y	8504	0	1221	3815	PFO1		River, stream or brook	102
WET-42-04	N	2100	0	0	0	PFO			102
WET-42-05	N	1140	0	0	0	PEM			102
WET-43-01	N	701	0	0	701	PFO1			102
WET-43-02	N	5424	0	0	0	PFO			102
WET-43-04	N	6734	0	0	0	PFO			103/104
WET-43-05	N	129	0	0	0	PFO			103/104
WET-43-08	Y	9663	0	65	0	PFO		River, stream or brook	104
WET-44-09	N	24008	0	0	0	PSS			104
WET-44-10	Y	9	0	0	9	PFO		River, stream or brook	104
WET-44-12	N	9752	0	0	9752	PFO	PEM		104
WET-44-04	N	4573	0	0	4573	PFO4			105
WET-44-05	N	127102	0	2445	19243	PFO4	PEM, PSS		105
WET-44-07	N	481	0	0	0	PSS			105
WET-44-02	N	1489	0	0	0	PEM1E			106
WET-44-03	N	3277	0	0	3277	PFO4E	PEM		106
WET-44-13	Y	170345	0	6054	53921	PFO1-4		River, stream or brook	106

Exhibit 9-10: Wetland Summary Table: Segment 1

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Pole Fill Impact (Sq Ft)	Temporary Access Crossing Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-45-02	Y	100604	0	7190	73982	PFO4E		River, stream or brook	106
WET-45-03	Y	4266	0	1246	4266	PFO1E		River, stream or brook	106
WET-45-04	N	503	0	0	0	PEM1E			107
WET-45-10	N	1806	0	0	0	PEM1E			107/108
WET-45-11	N	286	0	0	0	PEM1E			108
WET-45-12	Y	21976	0	0	10969	PFO1E		River, stream or brook	108
WET-46-08	N	20466	0	0	0	PEM			108
WET-46-09	N	983	0	0	0	PFO1			108
WET-46-06	Y	47114	0	1403	14801	PFO4E	PSS1E	River, stream or brook	108/109
WET-46-03	Y	55503	0	0	9336	PFO1-4E		River, stream or brook	110
WET-47-13	N	630	0	0	0	PFO1/4E			110
WET-47-14	N	3284	0	0	3284	PFO1/4			110
WET-47-04	N	7115	0	0	0	PSS1E	PEM1E		111
WET-47-05	N	1513	0	0	0	PEM1E			111
WET-47-08	N	6175	0	0	0	PFO4E			111
WET-47-09	N	26385	0	0	13849	PFO1			111
WET-47-01	N	38557	0	0	0	PSS			112
WET-47-02	N	11	0	0	0	PEM1			112
WET-47-03	N	1231	0	0	0	PEM1E			112
WET-48-06	Y	5430	0	0	4643	PFO1/4E		PSVP/SVP	112
WET-48-07	Y	2767	0	0	0	PFO1/4E		PSVP/SVP	112
WET-48-08	Y	4787	0	0	0	PEM1E		PSVP/SVP	112
WET-48-03	N	44643	0	1783	17620	PFO4E	PEM		113
WET-48-04	N	2597	0	0	0	PEM1			113
WET-48-05	Y	58489	0	0	33785	PFO1E		River, stream or brook	113
WET-48-01	N	497	0	0	0	PFO1E	PEM		113/114
WET-49-01	N	9412	0	0	0	PFO1E			115
WET-49-02	N	19709	0	3	4018	PFO1/4E			115
WET-49-03	N	6596	0	0	0	PFO1/4E			115

Exhibit 9-10: Wetland Summary Table: Segment 1

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Pole Fill Impact (Sq Ft)	Temporary Access Crossing Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-49-04	Y	140521	40	17692	114436	PFO1/4E		River, stream or brook	116
WET-49-05	N	4685	0	0	0	PFO1E			116
WET-50-01	N	98049	159	4968	41519	PFO1/4E			117
WET-50-02	N	69576	0	0	24281	PFO1/4E			117
WET-50-03	N	10540	0	0	0	PFO1/4E			118
WET-50-04	N	5976	0	9	5976	PFO1E			118
WET-50-05	Y	1682	0	0	0	PSS1E		River, stream or brook; Great pond	118
WET-50-06	Y	835	0	0	0	PSS1E		River, stream or brook; Great pond	118
WET-50-07	Y	884	0	0	0	PEM, PSS		River, stream or brook; Great pond	118
WET-50-08	Y	12440	80	2643	12152	PFO1/4E		River, stream or brook	118
WET-51-01	Y	14563	0	804	12966	PFO4/1E		River, stream or brook	119
WET-51-02	Y	10173	0	231	10166	PFO1/4E	PEM	River, stream or brook	119
WET-51-03	N	15089	0	0	0	PEM	PFO		119
WET-51-04	N	553	0	0	0	PEM			119
WET-51-05	N	1629	0	0	0	PEM1E	PFO1E		119
WET-51-06	Y	14764	0	0	0	PFO1E		River, stream or brook	120
WET-51-07	Y	1278	0	0	0	PFO1E		River, stream or brook	120
WET-51-08	Y	268379	40	23290	158273	PFO1/4E		River, stream or brook	120
WET-51-09	Y	37617	0	2238	20187	PFO1E		River, stream or brook	120/121
WET-52-11	Y	42123	0	0	21385	PFO1/4E	PSS1E, PE	River, stream or brook	121
WET-52-12	Y	85045	0	3206	28707	PFO1E, PFO4E		River, stream or brook	121
WET-52-13	Y	725	0	0	0	PSS		River, stream or brook	121
WET-52-14	Y	30404	0	739	13580	PFO1E/PFO4E		River, stream or brook	121
WET-52-15	Y	1050	0	0	0	PSS1E		River, stream or brook	121
WET-52-06	Y	69150	0	3194	0	PFO		River, stream or brook	122
WET-52-17	Y	40877	0	1299	16334	PFO4/1E	PSS1E	River, stream or brook	122
WET-52-18	Y	69785	0	1447	41901	PFO4/1E	PSS1E	River, stream or brook	122

Exhibit 9-10: Wetland Summary Table: Segment 1

Wetland ID	WOSS	Wetland Area within CMP Ownership (Sq Ft)	Pole Fill Impact (Sq Ft)	Temporary Access Crossing Impact (Sq Ft)	Forested Wetland Conversion (Sq Ft)	Main NWI Class	Other NWI Class	WOSS Determination	NRM ID
WET-52-19	N	150	0	150	150	PFO4/1E	PSS1E		122

Exhibit H
Redline of the 9/18 Supplemental Information for the Merrill Strip Alternative



September 18
October 10, 2019

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

Mr. Bill Hinkel
Maine Land Use Planning Commission
Department of Agriculture, Conservation and Forestry
18 Elkins Lane, [22 State House Station](#)
Augusta, Maine [0433004333](#)

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 (NECEC) Project
Supplemental Information for the Merrill Strip Alternative**

Dear Mr. Beyer, Mr. Hinkel, and Mr. Clement:

Central Maine Power Company ("CMP") is ~~pleased to provide the attached information that supplements its Site Location of Development Act ("Site Law") and Natural Resources Protection Act ("NRPA") permit applications with the proposed Merrill Strip Alternative, which is the preferred alternative to the portion of the New England Clean Energy Connect ("NECEC") Project (the "Project") that is located in the Land Use Planning Commission ("LUPC") Beattie Pond Recreation Protection Subdistrict ("P-RR"). CMP has resubmitted the Merrill Strip Alternative supplement, previously filed on September 18, 2019, in response to the Maine Department of Environmental Protection's ("MDEP's") October 3, 2019 additional information request ("AIR"). This submission supersedes CMP's September 18, 2019 supplemental filing to reconcile a minor survey discrepancy (explained below) and to incorporate the materials requested in the AIR. Also, as requested in paragraph 4 of the 16th Procedural Order, the information below is labeled as relevant to DEP, LUPC, or both agencies. For ease of review, a redline version of the September 18, 2019 filing is provided as an Exhibit to show the minor updates.~~

A draft geo-referenced survey file, used in the preparation of the initial design for the Merrill Strip Alternative, has been finalized since September 18 and is now consistent with the survey plat. As a result, the structure locations have shifted slightly. These differences are described in the following table.

83 Edison Drive, Augusta, ME 04336
866.676.3232
info@necleanenergyconnect.com
An equal opportunity employer



<u>Structure Number</u>	<u>Structure Type Change?</u>	<u>Structure Height Increase (ft)</u>	<u>Structure Location Change (ft)</u>
<u>3006-790</u>	<u>No</u>	<u>0.0</u>	<u>43.2</u>
<u>MS-1</u>	<u>No</u>	<u>0.0</u>	<u>0.2</u>
<u>MS-2</u>	<u>No</u>	<u>0.0</u>	<u>0.2</u>
<u>MS-3</u>	<u>No</u>	<u>0.0</u>	<u>0.3</u>
<u>MS-4</u>	<u>No</u>	<u>0.0</u>	<u>0.3</u>
<u>MS-5</u>	<u>No</u>	<u>0.0</u>	<u>7.2</u>
<u>MS-6</u>	<u>No</u>	<u>0.0</u>	<u>9.6</u>
<u>3006-798</u>	<u>No</u>	<u>-0.2</u>	<u>33.0</u>

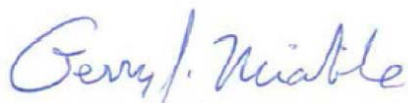
~~CMP has re-evaluated those chapters or sections of the Site Law and NRPA applications that require supplemental information to demonstrate the Merrill Strip Alternative's compliance with the applicable standards. Attachments I and II to this letter include summary tables indicating which Site Law Chapters or NRPA Sections are addressed herein, followed by the associated discussion. Those chapters or sections unaffected by this proposed alternative are indicated as such in the summary tables, and has modified the submittal accordingly. Additionally, as requested in the AIR, an updated Project data .kmz file and paper copies (relevant to both DEP and LUPC) are being provided concurrently with this submittal.~~

The following exhibits are included with this submittal:

- Exhibit A: Project Plans
- Exhibit B: Title, Right or Interest
- Exhibit C-1: Merrill Strip Alternative – Visual Evaluation of Beattie Pond
- Exhibit C-2: Photosimulation 59 Merrill Strip Road
- Exhibit C-3: Merrill Strip Alternative – Viewshed Map
- Exhibit D: Merrill Strip Alternative – Protected Natural Resources Survey & Cultural Resources Survey Report
- Exhibit E: MHPC No Effects Letter
- Exhibit F: NECEC Compensation Summary Table
- Exhibit G: Natural Resources Tables
- Exhibit H: Redline of the 9/18 Supplemental Information for the Merrill Strip Alternative

If you have any questions regarding this submittal, please ~~give call~~ me a call at (207) 629-9717 or email me at gerry.mirabile@cmpco.com.

Sincerely,





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

Enclosures

Enclosures (including 4 paper copies each to DEP and LUPC of the Petition to Reopen Record and the supplemental information)

cc: MDEP Service List; LUPC Service List

File: New England Clean Energy Connect

Attachment I – Merrill Strip Alternative - Site Law Supplemental Information
(Relevant to Both DEP and LUPC)

Table 1 - Summary of Supplemental Information Associated with the NECEC Site Law Application		
<i>Site Law ChaptersApplication Chapter & Title</i>	<i>Affects Pending Application? (Yes/No)</i>	<i>Supplemental Information Provided Below</i>
Chapter 1- Development Description	Yes	See 1.0, Exhibit A
Chapter 2- Title, Right or Interest	Yes	See 2.0, Exhibit B
Chapter 3- Financial Capacity	No	n/a
Chapter 4- Technical Ability	No	n/a
Chapter 5- Noise	No	n/a
Chapter 6- Visual Quality and Scenic Character	Yes	See 6.0, Exhibit C
Chapter 7- Wildlife and Fisheries	Yes	See 7.0, Exhibit D
Chapter 8- Historic Sites	Yes	See 8.0, Exhibit D
Chapter 9- Unusual Natural Areas	Yes	See 9.0, Exhibit D
Chapter 10- Buffers	No	n/a
Chapter 11- Soils	No	n/a
Chapter 12- Stormwater Management	No	n/a
Chapter 13- Urban Impaired Streams	No	n/a
Chapter 14- Basic Standards Submissions	NoYes	n/aSee 14.0
Chapter 15- Groundwater	No	n/a
Chapter 16- Water Supply	No	n/a
Chapter 17- Wastewater Disposal	No	n/a
Chapter 18- Solid Waste	No	n/a
Chapter 19- Flooding	No	n/a
Chapter 20- Blasting	No	n/a
Chapter 21- Air Emissions	No	n/a
Chapter 22- Odors	No	n/a
Chapter 23- Water Vapor	No	n/a
Chapter 24- Sunlight	No	n/a
Chapter 25- LUPC Certification	Yes	See 25.0
Chapter 26- Notices	No	n/a
Chapter 27- Project Plans	Yes	See 27.0, Exhibit A

NECEC Site Law Supplemental Information

1.0 Development Description

The Merrill Strip Alternative is a 150-foot wide transmission line corridor that extends for approximately 1 mile across the northeast corner of Merrill Strip between Skinner and Beattie townships. See Exhibit A. This alternative is preferred to the 1.4 miles of corridor proposed through the Beattie Pond Recreation Protection (“P-RR”) subdistrict.

The 150-foot wide corridor will be cleared of capable woody vegetation and managed in a persistent early successional ~~habitat~~ (i.e., scrub-shrub), habitat, consistent with the NECEC’s Vegetation Management Plans¹ to accommodate construction and maintenance of the HVDC line. The Merrill Strip Alternative will require six new structures, five of which will be direct-embed monopoles and one which will be a direct-embed two pole structure. The structures will be self-weathering steel, consistent with ~~the~~ CMP’s original proposal, ranging in heights from 96 feet to 118.5 feet above ground level. No new abutters to the Project are created as a result of this proposed alternative.

2.0 Title, Right or Interest

CMP acquired an easement from Bayroot, LLC for the lands in Merrill Strip by deed recorded within the Franklin County Registry of Deeds and attached as Exhibit B.

6.0 Visual Quality and Scenic Character

~~TJD&A~~ Terrence J. Dewan & Associates (“TJD&A”) evaluated the potential visibility of the Merrill Strip Alternative by assessing potential views from two ~~locations, viewpoints on~~ Beattie Pond (one in Lowelltown Twp and one in Beattie Twp) and one viewpoint on Merrill Strip Road in Merrill Strip Twp (see Exhibits C-1 and C-2). ~~There are no views~~ Also, as requested by Maine DEP on October 3, 2019, a Viewshed Analysis has been prepared to determine potential visibility of the Merrill Strip Alternative from any other publicly owned scenic resources, including Wing Pond in Lowelltown Twp, due to intervening topography structures within a 5 mile Area of Potential Affect (APE). (see Viewshed Maps, Merrill Strip Twp Alternative, Exhibit C-3)

There will be minimal visibility of the Merrill Strip Alternative. The tops of two structures will be slightly visible from a very limited area (approximately 8% of the pond) on the northern shore of Beattie Pond. Due to the distance at which the structures may be potentially visible from within the area (approximately 0.76 mile to nearly one mile) and the use of self-weathering steel, the overall visual impact to the pond will be minimal and the impact to recreational users of the pond will be negligible. The Alternative route will result in an increased visual buffer and further reduce the

¹ NECEC Plan for Protection of Sensitive Natural Resources During Initial Vegetation Clearing (VCP) and NECEC Post-Construction Vegetation Maintenance Plan (VMP), both submitted to ~~the~~ MDEP and LUPC on January 30, 2019.

visual impact on Beattie Pond when compared to the previous route through the Beattie Pond P-RR subdistrict. (See Photosimulation 60 on page 9 and comparison on page 10 of Exhibit C-1).

TJD&A used based their conclusions regarding the potential visual impact on Beattie Pond on the visual evaluations and photosimulation completed from two locations on the northern shoreline of the Pond. Visual Evaluation from Viewpoint 1 uses the same photographs from Beattie Pond for the visibility evaluation of the Merrill Strip Alternative the Pond as were used in developing the photosimulations for the original NECEC route alignment through the Beattie Pond P-RR subdistrict. The viewpoint Viewpoint 1 is from on the northern northeastern end of the pond looking southeast to southwest, and represents from within the location area of the pond with the greatest potential visibility of the transmission line. However, no structures, conductors or shield wires will be visible from Viewpoint 1 due to intervening topography and vegetation. After completing the Viewshed Analysis (Exhibit C-3), an additional viewpoint (Viewpoint 2), located 650 feet southwest of Viewpoint 1, was evaluated within the area of potential project visibility. A 3D computer model, overlaid upon on the photographs, shows demonstrates how intervening topography and/or vegetation will screen all the majority of the structures, conductors, and shield wires with the exception of the tops of Structures MS-5 and MS-6. The structures will be slightly visible between tops of trees at distances of 0.82 and 0.87 miles from this the viewpoint. (See Exhibit C-1).

The Merrill Strip Alternative will also be visible over recently harvested commercial forest areas directly adjacent to Merrill Strip Road, and potentially from harvested areas west of Mud Pond, and strip cuts west of Beattie Pond/south of Lowelltown Road (See Exhibit C-3: Map MS-1: Landcover Viewshed Analysis). The areas of potential visibility within harvested areas do not contain publicly accessible trails, so a recreational user would likely only see the Alternative route when driving on Merrill Strip Road. Merrill Strip Road is a private forest management road located south of Beattie Pond, and is roughly parallel to the proposed alternative alignment for approximately 1.4 miles. Photosimulation 59 was developed to show the degree of Project visibility expected along the road closest to the Alternative route. The selected viewpoint from the road looks over a regenerating timber harvesting laydown area approximately 500 feet from the alternative easement area, with intervening vegetation currently averaging 20 to 30 feet in height, and therefore reflects an area with the highest potential for visibility along the road. Two structures and associated conductors and shield wires would be visible from this viewpoint. See Exhibit C-2, the closest structure being 625 feet from the viewpoint. The limited overall visibility, short duration of exposure along the road, and the commercial nature of the setting within which a recreational user would encounter the Alternative, will result in minimal overall visual impact (See Exhibit C-2).

The Viewshed Analysis prepared to determine potential visibility of the Merrill Strip Alternative structures within a 5 mile Area of Potential Affect (APE) is based on a Digital Terrain Model (DTM) and Digital Surface Model (DSM) processed at 10-foot resolution from first return LIDAR point cloud data acquired from the USGS National Map, collected in 2016 and published in 2017. As noted above, the viewshed analysis indicated potential visibility from a small area near the northern shoreline of Beattie Pond, near Merrill Strip Road, and from two additional harvested areas.

Based on the NRPA Chapter 315 regulations and the Site Law Chapter 375.14 standards, visual impacts associated with the proposed Merrill Strip Alternative will not adversely affect scenic character and will not unreasonably interfere with existing scenic, aesthetic, recreational, or navigational uses.

7.0 Wildlife and Fisheries

Potential wildlife and fisheries impacts of the NECEC Project have been thoroughly assessed. TRC Companies (“TRC”), on behalf of CMP, completed surveys for protected natural resources including rare, threatened, or endangered species (“RTE species”) and significant wildlife habitat along the route of the Merrill Strip Alternative. The letter report, *Merrill Strip Alternative - Protected Natural Resources & Cultural Resources Survey* (“TRC Survey Report”), dated September 18, 2019 and attached as Exhibit D, concludes that there is no significant wildlife habitat, *i.e.*, there are no deer wintering areas, significant vernal pools, bald eagle nest sites or inland waterfowl and wading bird habitat, or suitable habitat for RTE species along the Merrill Strip Alternative.

8.0 Historic Sites

TRC consulted with Dr. Art Spiess of the Maine Historic Preservation Commission (“MHPC”), for any known cultural resources in the vicinity of the Merrill Strip Alternative. On September 11, 2019, Mr. Spiess confirmed that no documented archeological sites exist within 12 km of the study area.

TRC completed a Phase 0/1A survey for pre- and post-contact archaeological resources on the Merrill Strip Alternative in consultation with MHPC. The TRC Survey Report concludes that this alternative route does not include any areas or conditions of archaeological sensitivity and did not recommend any additional archaeological investigations. Please see Exhibit D for additional details. the TRC Survey Report. The MHPC has since reviewed and concluded that there will no historic properties affected by the Merrill Strip Alternative. See Exhibit E.

9.0 Unusual Natural Areas

TRC’s September 2019 survey included the assessment for rare plants or unusual natural areas along the Merrill Strip Alternative. The TRC Survey Report concludes, “Suitable conditions or habitats were not found withwithin the Alternative Corridor for RTE flora and fauna.” Please see Exhibit D for additional details.

14.0 Basic Submission Standards

CMP will implement best management practices for erosion and sedimentation control described in Chapter 14.0 of its Site Law application, last revised on January 16, 2019.

CMP has evaluated the Merrill Strip Alternative using a GIS analysis of both soil types (soils classified as highly erodible or potentially highly erodible) and percent slope (>22%) to determine areas at high risk of soil erosion². The analysis concluded that the Merrill Strip Alternative is underlain by Monarda-Telos complex (0 to 8 percent slopes, very stony) and Telos-Chesuncook association (3 to 15 percent slopes, very stony) soils, which are not classified as highly or potentially highly erodible.

² This analysis is consistent with the evaluation of areas at higher risk of erosion requested by MDEP Stormwater Engineer, Kerem Gungor in January 2018, completed by CMP for Segment 1 of the Project and submitted to the MDEP on June 29, 2018.

The majority of the Merrill Strip Alternative, except for some isolated areas, contains slopes of less than 22% (see Natural Resource Maps in Exhibit A).

In summary, the GIS analysis did not identify any areas at high risk for soil erosion. Regardless, as stated in Chapter 14.0 of CMP's application, all areas will be evaluated during preconstruction walkovers with the construction contractors, the MDEP third party inspectors and environmental inspectors. Any additional high-risk areas identified by CMP environmental inspectors, MDEP third party inspectors, and/or construction management or contractor personnel, during the walkovers or during construction, will be added to the high-risk tracking table and inspected at an increased frequency.

25.0 LUPC Certification

As detailed in CMP's Site Law application, the LUPC must certify that the proposed development is an allowed use within all subdistricts within which it is proposed, and that the proposed development meets any LUPC land use standards that are applicable to the Project and that are not considered by the MDEP in its review. 38 M.R.S. § 489-A-1(2)(D)(1-A), (B-1).

The Merrill Strip Alternative is wholly located within the LUPC General Management Subdistrict (M-GN). See Exhibit A. The proposed HVDC transmission line is an allowed use in the M-GN subdistrict. CMP's easement agreement with the landowner includes the legal rights necessary to use the existing privately-owned land management roads (logging roads) to access the Project corridor in this location for both construction and maintenance. No new permanent roads will need to be built for the Merrill Strip Alternative. A portion of the existing Merrill Strip Road is located on the southern margin of the Beattie Pond P-RR subdistrict. CMP is proposing no modifications (e.g., widening) to this portion of this road.

The LUPC standards applicable to the Project, but not considered as part of MDEP's application review, include:

1. Public's Health, Safety and General Welfare, §10.24

CMP addressed public health, safety and general welfare in the Maine Public Utility Commission's ("MPUC") Certificate of Public Convenience and Necessity ("CPCN") proceeding. The MPUC is the public agency charged with ensuring safe, reasonable and adequate service by public utilities. In the course of the NECEC proceeding, the MPUC considered regarding fire safety and emergency response. In its Final Order approving the company's petition for a CPCN, the MPUC Commissioners concluded "...the record reflects that CMP has adequately addressed such safety concerns throughout other remote areas of its existing transmission system. The Commission, therefore, finds that the NECEC does not pose a threat to public health and safety."

2. Land Division History, as required by the LUPC definition of subdivision, §10.24,F

The Merrill Strip Alternative is located within an easement conveyed by Bayroot LLC to CMP and thus will not create a subdivision. Bayroot LLC owns the entirety of Merrill Strip Township.

3. Dimensional Requirements, §10.26

The only Project facilities proposed in the Merrill Strip Alternative easement area are transmission structures and overhead wires, therefore the dimensional requirements for lot size, shoreline frontage, road frontage, and lot coverage do not apply.

Transmission line structures located within the Merrill Strip Alternative meet the minimum setbacks required by LUPC [rules](#) §10.26, D(2).

LUPC [rules](#) §10.26, F(2) states that the maximum structure height is 100 feet for commercial, industrial, and other non-residential uses involving one or more structures. As provided below, 4 of the 6 transmission line structures in the Merrill Strip Alternative exceed the maximum structure height.

Structure Number	Above Ground Height (ft)
3006-790	132.0
MS-1	118.5
MS-2	109.5
MS-3	114
MS-4	101.4
MS-5	96
MS-6	96
3006-798	101.2

Structure heights are necessitated by a number of parameters governed by the safety standards of the National Electrical Safety Code (“NESC”). Specifically, for its safe operation, the transmission line must be designed in a manner that provides adequate clearance (separation) from the ground and vegetation to the transmission line at maximum sag conditions. Structures are located, to the extent practicable, in a manner that avoids and spans protected natural resources. Additionally, topographic constraints and the span length needed to place structures outside of sensitive areas often requires transmission line structures to be taller than 100 feet.

Transmission line structures are freestanding and contain no “floor area.” LUPC [rules](#) §10.26, F(3) provides that features of structures which contain no floor area such as freestanding towers and turbines may exceed these maximum heights with the Commission's approval.

4. Vehicular Access, Circulation and Parking, §10.24,B and §10.25,D

Access to the Merrill Strip Alternative will be through the use of existing privately-owned land management roads and one skidder trail that will be restored following construction. Temporary access through the Merrill Strip Alternative will need to be established for vegetation clearing and construction within the corridor. However, these temporary access roads will be restored to pre-existing contours and revegetated once construction is

complete and final restoration has been accomplished. No new permanent roadways will be developed and project construction and maintenance related parking would be in upland locations within the Project corridor.

5. Lighting, §10.25,F

There will be no permanent lights installed on transmission line structures in LUPC jurisdiction. Some temporary nighttime lighting may be necessary during construction of the Project.

6. Activities in Flood Prone Areas, §10.25,T

The proposed Merrill Strip Alternative is not located in flood prone areas, including areas of special flood hazard, as identified by Flood Prone Protection (P-FP) subdistricts or Federal Emergency Management Agency (FEMA) Flood Boundary and Floodway, Flood Hazard Boundary or Flood Insurance Rate Maps (FIRM).

7. Vegetation Clearing, §10.27,B

The 150-foot-wide Merrill Strip Alternative will need to be cleared of capable woody vegetation. As stated previously, the transmission line is an allowed use in the M-GN subdistrict. Due to the nature of the Project, the buffer strips identified in LUPC §10.27, B will be retained, but the Project cannot conform to the selective cutting requirements associated with the maintenance of vegetation (§10.27, B, 2) due to NESC requirements described in Section 2 above. The Project will maintain vegetative buffers in all scenarios, but these buffers will not include capable vegetation that could grow to heights that would intrude into the conductor safety zone of the transmission line. Vegetation clearing activities not in conformance with the standards of §10.27, B may be allowed upon issuance of a permit from the Commission provided that such types of activities are allowed in the subdistrict involved.

8. Pesticide Application, §10.27,I

CMP's commitment to not use herbicides within the 53.5 miles of new corridor in Segment 1 of the Project, including the Merrill Strip Alternative, is unaltered by this submittal.

9. Signs, §10.27,J

No permanent signs are proposed as a part of this Project within LUPC jurisdiction. Traffic control signs and directional signs related to Project construction will be limited and temporary; this signage does not require a permit from the LUPC, provided such signs are in conformance with the requirements of §10.27, J(1) and (2).

27.0 Project Plans

Natural resources maps with topographic contour lines and percent slope, and a USGS Location Map, are provided in Exhibit A. No other map updates are required as a result of the Merrill Strip Alternative.

Attachment II – Merrill Strip Alternative -NRPA Supplemental Information
(Relevant to Both DEP and LUPC)

<i>Table 2 - Summary of Supplemental Information Associated with the NECEC NRPA Application</i>		
<i>NRPA Section & Title</i>	<i>Affects Pending Application? (Yes/No)</i>	<i>Supplemental Information Provided Below</i>
Section 1- Project Description	Yes	See 1.0 of the Site Law Supplement
Section 2- Alternative Analysis	Yes	See 2.0
Section 3- USGS Map	Yes	See Exhibit A
Section 4- Photographs	Yes	See 4.0
Section 5- Project Plans	Yes	See Exhibit A
Section 6- Additional Plans	No	n/a
Section 7- Construction Plan	No	n/a
Section 8- Erosion Control Plan	No	n/a
Section 9- Site Conditions	Yes	See 9.0
Section 10- Public Notice	No	n/a
Section 11- Maine Historic Preservation Commission and Outreach to Indian Tribes	Yes	See 11.0; Exhibit D
Section 12- Wetland Functions and Values Assessment	No	See 12.0
Section 13- Compensatory Mitigation	Yes	See 13.0

NECEC NRPA Supplemental Information

2.0 Alternatives Analysis

As described in CMP's applications filed in September 2017, CMP evaluated alternatives where impacts to LUPC subdistricts requiring special exception approval could not be avoided, including the ~~Recreation Protection Subdistrict (P-RR) subdistrict~~ at Beattie Pond in Beattie Township.

The Merrill Strip Alternative, which until very recently was not reasonably available to CMP, will completely avoid the Beattie Pond P-RR. Because this preferred alternative is not located in an LUPC subdistrict that requires special exception review, the Commission need not consider whether there is an alternative site to the Merrill Strip Alternative which is both suitable to the proposed use and reasonably available to the applicant.

Further, as shown below, environmental impacts associated with the Merrill Strip Alternative are significantly less than those associated with the alignment through the Beattie Pond P-RR ~~subdistrict~~.

Route	Number of Significant Vernal Pools	Number of Wetlands	Wetland Area (sq. ft.)	Temporary Wetland Impact (sq. ft.)	Permanent Wetland Fill (sq. ft.)	Forested Wetland Conversion (sq.ft)
Merrill Strip Alternative	0	8	31, 356 458	0	0	8,550 7,933
Beattie Pond P-RR Alternative	1	16	139,742	3,049	0	20,836

As a result, the Merrill Strip Alternative is the preferred alternative when compared to the alignment through the Beattie Pond P-RR ~~subdistrict~~. The Merrill Strip Alternative would result in an increase in cost to the Project of approximately \$950,000.

4.0 Photographs

Representative photographs of the Merrill Strip Alternative are ~~enclosed~~included in TRC's Survey Report, Exhibit D.

9.0 Site Conditions

As described in Exhibit D, natural resource surveys on the Merrill Strip Alternative corridor were performed during the original field survey effort by Boyle Associates, Inc. to support CMP's applications filed in September 2017. The methodology implemented during this effort is described

in Section 9.2 of CMP’s NRPA application. Wetlands associated with the Merrill Strip Alternative are provideddescribed in the table below. Representative descriptions for each wetland type identified on the Merrill Strip Alternative have been previously provided in Section 9.3.3.1 of CMP’s NRPA application. For more information regarding site conditions please refer to TRC’s September 18, 2019 Survey Report, Exhibit D.

Wetland ID	Wetlands of Special Significance (Y/N)	National Wetland Indicator Classification
WET-04-07	N	PSS
WET-04-08	N	PEM
WET-MS-03-01	N	PFO01
WET-MS-04-04	N	PEM
WET-MS-04-05	N	PEM
WET-MS-04-06	N	PFO01/4E
WET-MS-04-07	N	PEM
WET-MS-04-08	N	PEM

11.0 MHPC and Outreach to Indian Tribes

Please see TRC’s September 18, 2019 Survey Report, Exhibit D.

12.0 Wetland Functions and Values Assessment

CMP’s application includes a functions and values assessment associated with project impacts specific to the wetland types that would be impacted by vegetation clearing and transmission line installation. All wetland types identified on the Merrill Strip Alternative have previously been assessed. As a result, the Wetlands Functions and Values Assessment submitted for the Project applies to the Merrill Strip Alternative and remains unchanged.

13.0 Compensatory Mitigation

The Merrill Strip Alternative will reduce wetland impacts and vernal pool impacts. Specifically, there will be a 3,049,977 square foot (0.0702 acre) net reduction in temporary fill in Palustrine Scrub-Shrub (“PSS”) wetlands and a 12,286,902 square foot (0.2830 acre) net reduction in permanent forested wetland conversion. In the NECEC Compensation Plan, submitted January 30, 2019, CMP proposed land preservation to compensate for impacts associated with temporary fill in PSS wetland and permanent forested wetland conversion. Despite the reduction in wetland impacts resulting from the Merrill Strip Alternative, the area of land preservation proposed to mitigate impacts to these resources remains unchanged.

One significant vernal pool CMP proposed an In-Lieu Fee (“ILF”) for temporary fill in Palustrine Emergent (“PEM”) wetlands. As a result of the Merrill Strip Alternative realignment, there will be a net reduction of 1,147 square feet of temporary fill in PEM wetlands. Additionally, one significant vernal pool, also jurisdictional under the USACE, no longer requires compensation as a result of the

Merrill Strip Alternative realignment. This warrants reduction to the In-Lieu-Fee of ~~\$11,203.51~~27,767.69, resulting in a balance of the proposed In-Lieu Fee for the Project of ~~\$3,063,212.55~~046,648.37. No other changes to the NECEC Compensation Plan are proposed or necessary as a result of the Merrill Strip Alternative.

Please see Exhibit F for the NECEC Compensation Summary Table and Exhibit G for the Natural Resources Tables. These exhibits incorporate the changes proposed as a result of the Merrill Strip Alternative realignment.