

7.0 WILDLIFE AND FISHERIES

7.1 Introduction

The purpose of this section is to describe the existing wildlife and fishery resources associated with the NECEC, and to discuss actions that CMP will implement to protect wildlife and fish and their habitats. For a complete description of the various components of the NECEC transmission line corridor and associated substations, see **Section 1**, Development Description. CMP conducted resource surveys and verifications of natural resources surveys previously conducted by CMP, in 2015, 2016, and 2017. To identify existing wildlife and fishery resources, field crews documented wildlife while conducting field surveys and verifications. CMP also conducted wildlife and fishery database searches and agency consultation with the MDIFW and the United States Fish and Wildlife Service (“USFWS”). The results of these efforts are summarized below. Maps of identified habitat resources are in **Attachment 2** – Natural Resource Maps, of the Site Law.

7.2 Agency Correspondence

On behalf of CMP, Burns & McDonnell contacted state and federal natural resource agencies to obtain existing data on wildlife and fisheries resources near the NECEC Project components. Specifically, resource agencies were consulted regarding the presence of deer wintering areas (“DWAs”); inland waterfowl and wading bird habitat (“IWWH”); federal and state listed rare, threatened, and endangered (“RTE”) wildlife and fish species (collectively, “T&E species”); and any other species or sensitive habitats of special concern.

Data requests were sent to state and federal resource agencies including the USFWS, the Maine Natural Areas Program (“MNAP”), and MDIFW. In addition, Burns & McDonnell consulted several times with USFWS, MDIFW central office and regional biologists, and MNAP, and participated in consultation meetings held jointly with multiple resource agencies. Copies of this correspondence and meeting notes are located in **Exhibit 7-1** of this Section.

7.3 Terrestrial Resources

7.3.1 Cover Type and Wildlife Habitat

The composition, structure, and distribution of plant communities in a given area constitute a large part of the cover and food components of wildlife habitat. As a result, areas with similar vegetative characteristics tend to have similar assemblages of wildlife species. Some wildlife species have very specific habitat requirements and are found in only a few habitats while other species have broader habitat requirements and are therefore more widespread. This section briefly describes the major wildlife habitat types in the vicinity of the NECEC and lists

representative wildlife species that may occur in these habitats. Determination of the various cover types was supplemented by resource surveys in 2015, 2016 and 2017.

Natural cover types, such as upland forests and wetlands, were classified based on MNAP's *Natural Landscapes of Maine: A Classification of Ecosystems and Natural Communities - Draft* (MNAP 2004). The cover types within and adjacent to the NECEC transmission line corridor can be classified into four broad categories: upland forested (coniferous, hardwood, and mixed), early-successional (shrub-lands and herbaceous), wetland (forested, scrub-shrub, and emergent), and developed (residential, commercial, and industrial). Descriptions of each of the major cover types and commonly found species identified within and adjacent to the NECEC transmission line corridor are provided in the subsections below.

7.3.1.1 Upland Forest

The upland forest cover type is assumed to occur on lands that have a tree-crown areal density of at least 10 percent or more and are stocked with trees capable of producing timber or wood products (Anderson et al. 1976). The majority of the lands adjacent to the NECEC transmission line corridors consist of the upland forest cover type. The upland forest areas found in the vicinity of the transmission line corridor generally consist of the following forest region types:

- Central Hardwoods-Hemlock-White Pine
- Transition Hardwoods-White Pine
- Northern Hardwoods
- Spruce-Fir
- Northern Hardwoods-Spruce

Most of these forest region types transition into one another. In general, the conifer forest communities are typically found in the lowlands and northern hardwoods communities are found on mid-elevation hillsides or ridges.

Amphibian species commonly found in the forested habitat cover type include the redback salamander (*Plethodon cinereus*), spotted salamander (*Ambystoma maculatum*), wood frog (*Rana sylvatica*), gray tree frog (*Hyla versicolor*), and American toad (*Bufo americanus*). Reptile species that can occur include the northern red belly snake (*Storeria occipitomaculata*) and eastern garter snake (*Thamnophis sirtalis*).

Bird species represented in the forested habitat include ground or shrub nesting species such as the ruffed grouse (*Bonasa umbellus*), winter wren (*Troglodytes troglodytes*), Swainson's thrush (*Catharus ustulatus*), ovenbird (*Seiurus aurocapillus*), and Canada warbler (*Wilsonia canadensis*). Cavity nesting birds typically include the

black-capped chickadee (*Parus atricapillus*), white-breasted nuthatch (*Sitta carolinensis*), and hairy woodpecker (*Picoides villosus*). Canopy/mid-story nesting birds include the golden-crowned kinglet (*Regulus satrapa*), blue-headed vireo (*Vireo solitarius*), American redstart (*Setophaga ruticilla*), and the black-throated green warbler (*Dendroica virens*). Raptor species encountered include the barred owl (*Strix varia*), broad-winged hawk (*Buteo platypterus*), and sharp-shinned hawk (*Accipiter striatus*). Other avian species frequently encountered in forests include the raven (*Corvus corax*), red-breasted nuthatch (*Sitta canadensis*), bay-breasted warbler (*Dendroica castanea*), red crossbill (*Loxia curvirostra*), and evening grosbeak (*Coccothraustes vespertinus*).

The white-tailed deer (*Odocoileus virginianus*), moose (*Alces alces*), black bear (*Ursus americanus*), and fisher (*Martes pennanti*) are common mammal species that use this habitat type. Other representative mammal species include southern red-backed vole (*Clethrionomys gapperi*), deer mouse (*Peromyscus maniculatus*), red squirrel (*Tamiasciurus hudsonicus*), porcupine (*Erethizon dorsatum*), and snowshoe hare (*Lepus americanus*).

7.3.1.2 Early Successional

This vegetative cover type classification includes areas in the early stages of transition from a cleared condition to a forested condition. These areas were typically mature forests prior to the trees being harvested. Included in this cover type are maintained utility transmission line corridors (Anderson et al. 1976). Typically, the vegetation composition and structure associated with this classification gradually changes over time due to natural succession. In the case of maintained transmission line corridors, the early-successional cover type is permanently maintained due to periodic removal of saplings within the transmission line corridor. Transmission line corridors generally range from herbaceous field to shrub-dominated cover. This is the cover type that will be maintained along the NECEC corridors.

Due to the dense herbaceous and shrub vegetation that is typically located in early-successional areas, ground nesting and shrub nesting species of birds are relatively common. During the 2015, 2016, and 2017 vernal pool and wetland surveys, herptile species (“herptiles”) were also commonly encountered in this habitat type.

Bird species that use this cover type include the chestnut-sided warbler (*Dendroica pensylvanica*), Nashville warbler (*Vermivora ruficapilla*), common yellowthroat (*Geothlypis trichas*), song sparrow (*Melospiza melodia*), indigo bunting (*Passerina cyanea*), and the white-throated sparrow (*Zonotrichia albicollis*). The red-tailed hawk (*Buteo jamaicensis*) and American kestrel (*Falco sparverius*) are also commonly observed in these habitats. Herptile species that use this cover may include redback salamander, American toad, wood frog, and eastern garter snake.

Mammals frequently encountered in this cover type include edge-associated species such as the southern red-backed vole, meadow vole (*Microtus pennsylvanicus*), short-tailed shrew (*Blarina brevicauda*), ermine (*Mustela erminea*), and coyote (*Canis latrans*). White-tailed deer and moose also frequent these habitats for foraging and bedding opportunities.

7.3.1.3 Wetlands

Many palustrine wetlands exist within the NECEC corridors. Predominately, these include the forested, scrub-shrub, and emergent wetland cover types. Provided below is a general discussion of each of the major wetland types that have been mapped along the proposed route.

7.3.1.3.1 Forested Wetlands

Forested wetlands are characterized by a dominance of woody vegetation that is at least six meters tall (Cowardin et al. 1979). Most of the forested wetlands in the vicinity of the NECEC transmission line corridors are classified as broad-leaved deciduous and/or needle-leaved evergreen forested wetlands. Most of the forested wetlands are located on the edges of the maintained transmission line corridors that are proposed for the NECEC Project.

Several mammal species utilize forested wetland habitat. Examples include moose, white-tailed deer, snowshoe hare, mink (*Mustela vison*), black bear, raccoon (*Procyon lotor*), bobcat (*Felis rufus*), beaver (*Castor canadensis*), and woodland jumping mouse (*Napaeozapus insignis*).

In addition, herptiles such as the wood frog, spotted salamander, blue-spotted salamander (*Ambystoma laterale*), northern spring peeper (*Pseudacris crucifer*), American toad, and eastern garter snake use forested wetland habitat for breeding, cover, and/or foraging. Bird species known to utilize forested wetland habitat include wood duck (*Aix sponsa*), pileated woodpecker (*Dryocopus pileatus*), northern waterthrush (*Seiurus noveboracensis*), northern parula warbler (*Parula americana*), and Canada warbler.

7.3.1.3.2 Scrub-Shrub Wetlands

Scrub-shrub wetlands are characterized by a dominance of woody vegetation less than six meters tall (Cowardin et al. 1979). These areas are typically dominated by shrubs and young trees, but may also include older trees that are stunted due to environmental conditions. Scrub-shrub wetlands within the NECEC transmission line corridors occur primarily as the result of the routine operation and maintenance of the transmission facilities. Scrub-shrub wetlands are often associated with streams and areas of seasonal saturation and flooding.

Some scrub-shrub wetlands associated with small streams have historically been altered by beaver, and many are currently occupied by beaver (as documented through field investigations). Dams constructed by beavers raise water levels which can inundate roots and subsequently kill many of the shrubs. Many active beaver dams are eventually abandoned, resulting in deterioration of the dams and subsequent draining of the impoundments. Dewatered areas are rapidly colonized by grasses, sedges, herbs, and shrubs.

Another type of scrub-shrub wetland occurs along the larger streams traversed by the transmission line corridors. Rather than being influenced by beaver activity, these areas are maintained by annual springtime snowmelt runoff and inundations and/or groundwater discharge.

Also occurring within the NECEC transmission line corridors are scrub-shrub wetlands associated with peatland (primarily bogs and fens). The substrate is composed of sphagnum moss and species diversity of the plant community is typically limited by high acidity. As a result, the shrub layer is typically composed of only acid-tolerant shrubs and trees.

Most of the scrub-shrub wetlands within the proposed transmission line corridors are maintained in an early-successional stage through transmission line corridor vegetation management practices. Scrub-shrub wetlands are structurally similar to early-successional habitats. However, they generally have a greater diversity and abundance of wildlife species due to the seasonal presence of water. Scrub-shrub wetlands, especially those with inundated depressions, provide breeding habitat and cover for herptiles including wood frog, spotted and blue-spotted salamanders (*Ambystoma laterale*), American toad, gray tree frog, spring peeper, and eastern garter snake. Bird species known to inhabit these areas include woodcock (*Scolopax minor*), alder flycatcher (*Empidonax alnorum*), olive-sided flycatcher (*Contopus virens*), yellow warbler (*Dendroica petchia*), common yellowthroat, song sparrow, and red-winged blackbird (*Agelaius phoeniceus*).

Small mammals are generally abundant in scrub-shrub wetlands due to the thick understory and ground cover. Mammal species that are common to this wetland type include beaver, muskrat (*Ondatra zibethicus*), mink, masked shrew (*Sorex cinereus*), water shrew (*Sorex palustris*), snowshoe hare, meadow vole, and southern red-backed vole. Other mammals that utilize that habitat type include moose, white-tailed deer, and raccoon. Insectivorous species such as masked shrew and water shrew are often abundant in bogs.

7.3.1.3.3 Emergent Wetlands

Emergent wetlands are characterized by a dominance of erect, rooted, herbaceous hydrophytes, excluding mosses and lichens (Cowardin et al. 1979). Emergent wetlands include areas commonly referred to as marshes and wet meadows. The NECEC corridors cross some areas that could be classified solely as emergent wetlands, however they are often integrated with scrub-shrub wetlands.

Beaver activity often results in the development of extensive emergent wetlands that form in flooded areas. Muskrat are also common in shallow and deepwater marshes and feed on the abundant emergent vegetation. Other mammals that utilize emergent wetland habitat include little brown myotis (*Myotis lucifugus*), raccoon, mink, and white-tailed deer. Herptiles common to emergent wetlands include northern spring peeper, pickerel frog (*Rana palustris*), green frog (*Rana clamitans*), eastern garter snake, and painted turtle (*Chrysemys picta*). Bird species that are frequently observed in emergent wetlands include great blue heron (*Ardea herodias*), American black duck (*Anas rubripes*), red-winged blackbird, tree swallow (*Tachycineta bicolor*), yellow warbler, and swamp sparrow (*Melospiza georgiana*).

7.3.1.4 Developed Areas- Residential, Commercial and Industrial

The majority of the land located along the NECEC route is undeveloped, however some developed areas do exist, particularly along the more southern portion of the transmission corridor. Residential is the most common type of development, followed by commercial and, to a much lesser degree, industrial. Commercial development occurs within most of the municipalities that are located adjacent to the proposed transmission line corridors; such development is generally associated with services for local communities.

Because vegetation composition and structural diversity is often reduced in these developed areas, only those species that are habitat-generalists or adapted to development tend to be present. Herptile species that may be found in these areas can include the eastern garter snake and American toad. The house sparrow (*Passer domesticus*), mourning dove (*Zenaida macroura*), American robin (*Turdus migratorius*), song sparrow, and black-capped chickadee (*Poecile atricapilla*) are frequently observed avian species. Mammalian species found in this cover type are typically habitat-generalists, and include the white-tailed deer, striped skunk (*Mephitis mephitis*), ground hog (*Marmota monax*), raccoon (*Procyon lotor*), red fox (*Vulpes vulpes*), and coyote.

7.3.2 Significant or Sensitive Wildlife Habitats

Significant and sensitive wildlife habitats are protected by both state and federal law. Burns & McDonnell consulted with the MDIFW and the USFWS to identify significant or sensitive wildlife habitats in or near the NECEC Project components. Discussion of the federal and state law and agency consultations follow.

The Endangered Species Act (“ESA”) is the major federal law in this context that is relevant to the NECEC Project. The ESA’s primary aim is the protection of wildlife habitat of T&E species. The USFWS and the National Oceanic and Atmospheric Administration (“NOAA”) are the federal agencies that are responsible for administering the ESA. Typically, the USFWS is the lead agency in issues dealing with inland wildlife species and habitat, while NOAA often takes the lead with marine fish species and habitat.

Pursuant to state law, significant wildlife habitat in Maine is protected under the Natural Resources Protection Act (“NRPA”), 38 M.R. §§S. § 480-A et seq. The NRPA is administered by the MDEP. Additional state protection for wildlife habitat is provided by the Maine Endangered Species Act (“Maine ESA”), 12 M.R. §§S. § 12801 et seq., which is administered by the MDIFW.

The NRPA recognizes the statewide significance of natural resources in terms of educational, historical, and environmental value for present and future generations. The intent of the NRPA is to prevent any unreasonable impact, degradation, or destruction of protected natural resources, and to encourage their conservation. These habitats are identified by applicants and MDIFW and mapped by the MDIFW. The NRPA protects natural resources such as: coastal wetlands and sand dunes; freshwater wetlands; great ponds; rivers, streams and brooks; fragile mountain areas; and significant wildlife habitat. Significant wildlife habitat, as defined in the NRPA, 38 M.R.S. § 480-B(10), includes, in general:

- a. Habitats for state and federally listed T&E species;
- b. Mapped high and moderate value DWA and travel corridors, as defined by MDIFW and adopted by rule by MDEP;
- c. Mapped seabird nesting islands, as defined by MDIFW;
- d. Critical spawning and nursery areas for Atlantic salmon, as defined by the Atlantic Salmon Commission;
- e. Significant vernal pools;
- f. High and moderate value IWWH, including nesting and feeding areas; and
- g. Shorebird nesting, feeding, and staging areas.

The Maine ESA also protects habitat of state-listed T&E species. The Maine ESA gives authority to MDIFW to designate species as endangered or threatened; designate “essential habitat” for those listed species; develop guidelines for the protection of these species; and establish programs that are necessary for the conservation of any endangered or threatened species. These programs may include acquisition of land/habitat, propagation, live trapping, and/or transplantation. The statute prohibits the import, export, harassment, hunting, take, trapping, or

possession of state-listed species. MDIFW may allow an incidental take of state listed species if the take is incidental to, and not the purpose of, carrying out an otherwise lawful activity, the take will not impair the recovery of the species, and an Incidental Take Plan (“ITP”) is approved by the Commissioner. The ITP must minimize the incidental taking of T&E species and must specify the activities that are sought to be authorized. The plan must include an analysis of potential alternatives, and specify measures to prevent, minimize, and mitigate for individual and cumulative effects that may reasonably be anticipated as a result of the activity (12 M.R.S. § 12808-A (2)).

Possible significant or sensitive habitats identified along the NECEC transmission line corridors and substations consist of four major categories of habitats/areas: Bald eagle nest sites, DWAs, IIWWH, and significant vernal pool habitat. Each of these significant or sensitive habitat types is further described below. Occurrences of these habitat types associated with the NECEC are also described below.

7.3.3 Bald Eagle Nest Sites

Bald eagles continue to thrive in Maine with over 600 nesting pairs. Maine’s bald eagle population has seen annual increases of 8 percent each year since 1990, when Essential Habitat regulations were adopted (MDIFW 2004). Known nesting sites were previously designated as “Essential Habitat” and included an area within 0.25-mile of a nest.

The bald eagle was previously listed as a threatened species under the Maine ESA. Due to the successful recovery of the bald eagle population, effective December 5, 2009, the MDIFW adopted a rule deleting all previously designated Essential Habitats for bald eagles, as they have been removed from the State’s Endangered and Threatened Species List by the Legislature and; as such, designated nest sites no longer meet the criteria for essential habitat. Bald eagles were also removed from the federal threatened species list on August 9, 2007, however the bald eagle continues to be protected from take under the Bald and Golden Eagle Protection Act.

Occurrence information on bald eagle nest locations was obtained from the USFWS and the MDIFW. Based on the information collected, neither the Fickett Road Substation, the Merrill Road Converter Station, nor any of the substation upgrade locations are located within 660 feet of any known bald eagle nest sites. One known bald eagle nest site is located within 660 feet of the proposed NECEC transmission line corridors. The nest, identified as 562A, is located within the corridor and adjacent to the Androscoggin River in Lewiston. Notes associated with the geospatial data indicate that surveys were most recently conducted in 2013 and the nest was not intact at that time. There is no clearing proposed in this location.

This nest site and the 660-foot zone around the nest is illustrated on the Natural Resources Maps developed for the NECEC, located in **Attachment 2** of the Site Law application.

7.3.4 Deer Wintering Areas

In Maine, the preferred winter cover for deer is found in stands of spruce, northern white cedar, and hemlock, which provide optimum cover and snow carrying capacity. These areas are critical for the survival of deer during the snowy cold winters of interior Maine.

MDIFW is responsible for identifying and protecting Deer Wintering Areas (“DWAs”). DWAs are identified by observation by MDIFW personnel, deer tracks, current or past browsing, deer pellet piles, and deer bedding sites (12 M.R.S. § 10107). The DWAs assessed by MDIFW are ranked as high, moderate, or low value based on evaluation of deer populations, shelter quality, browse availability, relationship to other DWAs, size, and access. Those DWAs that have been identified, but have not been evaluated, are classified as “indeterminate.”

According to data provided by the MDIFW, a total of 21 DWAs are crossed by the NECEC transmission line corridor. All DWAs crossed by the Project are classified by the MDIFW as indeterminate in value, which means that they are recognized as candidate Significant Wildlife Habitat under the NRPA, but currently have no formal value rating. There are no DWAs impacted by the Merrill Road Converter Station or Fickett Road Substation. The table located in **Exhibit 7-2** provides component-specific information on DWAs intersected by NECEC corridors including their locations in the transmission line corridors, the municipalities where they occur, and their rankings. DWAs crossed by the NECEC corridors are illustrated on the Natural Resource Maps provided in **Attachment 2** of the Site Law application.

7.3.5 Inland Waterfowl and Wading Bird Habitats

Wading birds and waterfowl are a diverse assemblage of species which make significant, but not exclusive use of wetland habitats. MDIFW defines wading birds as herons, egrets, glossy ibis, bitterns, rails, coots, common moorhens, and sandhill cranes (MDIFW 2005b). Maine statute defines migratory waterfowl as “anatidae, or waterfowl, including brant, wild ducks, geese and swans” (12 M.R.S. § 10001(40), MDIFW 2005b).

Wading bird habitats consist of breeding, feeding, roosting, loafing, and migration stopover areas. Waterfowl habitats are divided behaviorally and seasonally into three categories: breeding habitats, migration and staging habitats, and wintering habitats (MDIFW 2005b). The MDIFW determination of Waterfowl and Wading Bird Habitat (“TWWH”) is largely based on the existing Maine Wetland Inventory completed in 1973, with minor modifications. Modifications include: a system of combining or splitting certain wetlands; updates based on some field verification; and inclusion of a 250-foot buffer zone in high and moderate value IWWHs.

Occurrence information on IWWH was obtained from the MDIFW. Review of the data indicated that no IWWHs occur in the vicinity of the Merrill Road Converter Station or the Fickett Road Substation. However, there are 18 IWWHs located within the NECEC transmission line corridors. Two of these IWWHs are ranked as high value, 15 are ranked as moderate value, and one does not have a reported value. The table in **Exhibit 7-3** provides specific detail on IWWHs that are intersected by NECEC Project corridors, including their locations in relation to the relevant Project components, their value (rating) status, and MDIFW identification numbers. IWWHs intersected by the NECEC are illustrated on the Natural Resource Maps provided in **Attachment 2** of the Site Law application.

7.3.6 Significant Vernal Pools

During the spring months of 2015, 2016, and 2017, vernal pool field surveys were conducted along the NECEC components. The specific objectives of the vernal pool surveys were to:

1. Identify natural pools within the proposed transmission line corridor;
2. Determine if pools were being used by breeding amphibians;
3. Determine if any of the pools meet the definition of vernal pools under USACE guidance; and
4. Determine if any of the pools meet the necessary criteria for designation as significant vernal pool habitat in accordance with the NRPA Chapter 335.

A sampling protocol for the vernal pool mapping effort was prepared and updated in April 2017 (**Exhibit 7-4**). Information and procedures utilized for this protocol were consistent with current agency consensus and vernal pool assessment methods. The 2017 Resource Delineation Protocol included protocols for verifications of natural resource survey information previously collected by CMP. Natural resource verifications were performed in accordance with protocols developed in consultation with MDEP and USACE. Consistent with protocol requirements, all vernal pool field surveys were conducted in 2015, 2016, and 2017, during the timeframes recommended in Chapter 335, and under appropriate conditions for such survey efforts.

The USACE Maine Programmatic General Permit and Maine NRPA Chapter 335 use the same definition for vernal pools. The following definition and identification criteria were used to base the jurisdictional determination and assessment of significant habitat:⁸

- A vernal pool, also referred to as a seasonal forest pool, is a natural, temporary to semi-permanent body of water occurring in a shallow depression that typically fills during the spring or fall and may dry during the summer. Vernal pools have no permanent inlet or outlet and no viable

⁸ Excerpt from Maine NRPA Chapter 335. For the full significant vernal pool habitat definition, please refer to the rule.

populations of predatory fish. A vernal pool may provide the primary breeding habitat for wood frogs, spotted salamanders, blue-spotted salamanders, and fairy shrimp, as well as valuable habitat for other plants and wildlife, including several rare, threatened, and endangered species. A vernal pool intentionally created for the purposes of compensatory mitigation is included in this definition (DEP Reg. 335.9.)

- Maine NRPA Chapter 335 significant vernal pool habitat identification criteria (DEP Reg. 335.9(B)):
 1. Abundance. Any one of or combination of the following species abundance levels, documented in any given year, determine the significance of a vernal pool habitat
 - Fairy shrimp - presence in any life stage
 - Blue-spotted salamanders - presence of 10 or more egg masses
 - Spotted salamanders - presence of 20 or more egg masses
 - Wood frogs - presence of 40 or more egg masses
 2. Rarity. A pool that has documented use in any given year by a rare species or state- listed endangered or threatened species that commonly requires a vernal pool to complete a critical portion of its life history is part of a significant vernal pool habitat.

Using existing information and the sampling methodology described in the protocol, 641 areas within the vicinity⁹ of the NECEC transmission line corridors and substations were identified during the 2015, 2016, and 2017 sampling seasons as state and/or federally jurisdictional vernal pool habitats. Of the 641 vernal pool habitats identified, 66 were characterized as unnatural features that function as amphibian breeding areas (“ABAs”). To differentiate between vernal pools of natural origin and manmade pools, manmade pools were termed “amphibian breeding areas.” These pools did not meet the NRPA definition of a vernal pool because they were manmade rather than natural pools, as defined in Chapter 335 of the NRPA. ABAs meet the federal vernal pool definition. Most of these areas were ruts made by ATVs and off-road vehicles (“ORVs”) (mainly trucks), or were long, linear features created by construction equipment.

A total of 575 features were characterized as pools of natural origin (i.e., not manmade pools) and as such are recognized by both the MDEP and the ACOE as vernal pools. These vernal pools were determined to be “natural vernal pools” because they were of natural origin, but did not meet the remaining criteria required to qualify as “significant vernal pools” according to the NRPA definition of a significant vernal pool (i.e., egg mass numbers, fairy shrimp, and rare species).

⁹ “Within the vicinity of” means within 100 feet of the NECEC transmission line corridors and substations.

42 pools of natural origin were determined to be “significant vernal pools” based on the NRPA Chapter 335 definition and species criteria (i.e., egg mass numbers, fairy shrimp, and rare species). Most of the significant vernal pools were wholly or partially located within the existing, non-forested portions of the transmission line corridors. Additional detail on the 42 significant vernal pool habitats identified is provided in **Exhibit 7-5**. It should be noted that no permanent fill will be placed in any natural vernal pool depressions. Furthermore, additional detail on the 641 state and/or federally jurisdictional vernal pool habitats is provided in **Exhibit 7-6**.

In addition, CMP has documented a category of vernal pools, Potentially Significant Vernal Pools (“PSVP”), to address natural pools that have been identified in the field but lack confirmation of “significance”. Surveys have determined that there are 23 such PSVPs. CMP will treat all PSVPs as Significant Vernal Pools, including the requirements for compensation, until they can be confirmed as non-significant. Additional details on the 23 PSVPs identified are provided in **Exhibit 7-5**.

The only permanent loss of terrestrial habitat within 250 feet of USACE-regulated vernal pools will result from the placement of fill to accommodate the construction of the Merrill Road Converter Station. Please refer to **Tables 1-3 and 1-4** in the Development Description of this Site Law application for specific information on the amount of critical habitat loss.

Significant Vernal Pool and Potentially Significant Vernal Pool Maps are provided in **Attachment 6** of the Site Law application.

7.3.7 RTE Wildlife and Species of Special Concern

The following sections identify and describe rare, threatened, and endangered species and species of special concern (collectively, “RTE” or “RTE species”) that may potentially occur in the vicinity of the NECEC Project components. Data from the MDIFW and USFWS indicate that the following state and federally listed species, as summarized in **Table 7-1**, may potentially occur in the vicinity of the NECEC Project.

Table 7-1: RTE Wildlife and Species of Special Concern Summary Table

Common Name	Scientific Name	Federal / State Protection
Canada Lynx	<i>Felis lynx</i>	Federal Threatened State Special Concern
Atlantic Salmon (See 7.5.2.2)	<i>Salmo salar</i>	Federal Endangered
Northern Long-eared bat	<i>Myotis septentrionalis</i>	Federal Threatened State Endangered
Little brown bat	<i>M. lucifugus</i>	State Endangered
Eastern small-footed bat	<i>M. leibii</i>	State Threatened
Big brown bat	<i>Eptesicus fuscus</i>),	State Special Concern
Red bat	<i>Lasiurus borealis</i>	State Special Concern
Hoary Bat	<i>Lasiurus cinereus</i>	State Special Concern
Silver haired bat	<i>Lasionycteris noctivagans</i>	State Special Concern
Tri-colored bat	<i>Perimyotis subflavus</i>	State Special Concern
Northern bog lemming	<i>Synaptomys borealis</i>	State Threatened
Roaring brook mayfly	<i>Epeorus frisoni</i>	State Threatened
Northern spring salamander	<i>Gyrinophilus porphyriticus</i>	State Special Concern
Bicknell's thrush	<i>Catharus bicknelli</i>	State Special Concern
Rusty blackbird	<i>Euphagus carolinus</i>	State Special Concern
Great blue heron	<i>Ardea Herodias</i>	State Special Concern
Wood turtle	<i>Glyptemys insculpta</i>	State Special Concern
Scarlet bluet	<i>Enallagma pictum</i>	State Special Concern
Brook floater	<i>Alasmidonta varicosa</i>	State Threatened
Tidewater mucket	<i>Leptodea ochracea</i>	State Threatened
Yellow lampmussel	<i>Lampsilis cariosa</i>	State Threatened
Creeper	<i>Strophitus undulatus</i>	State Special Concern

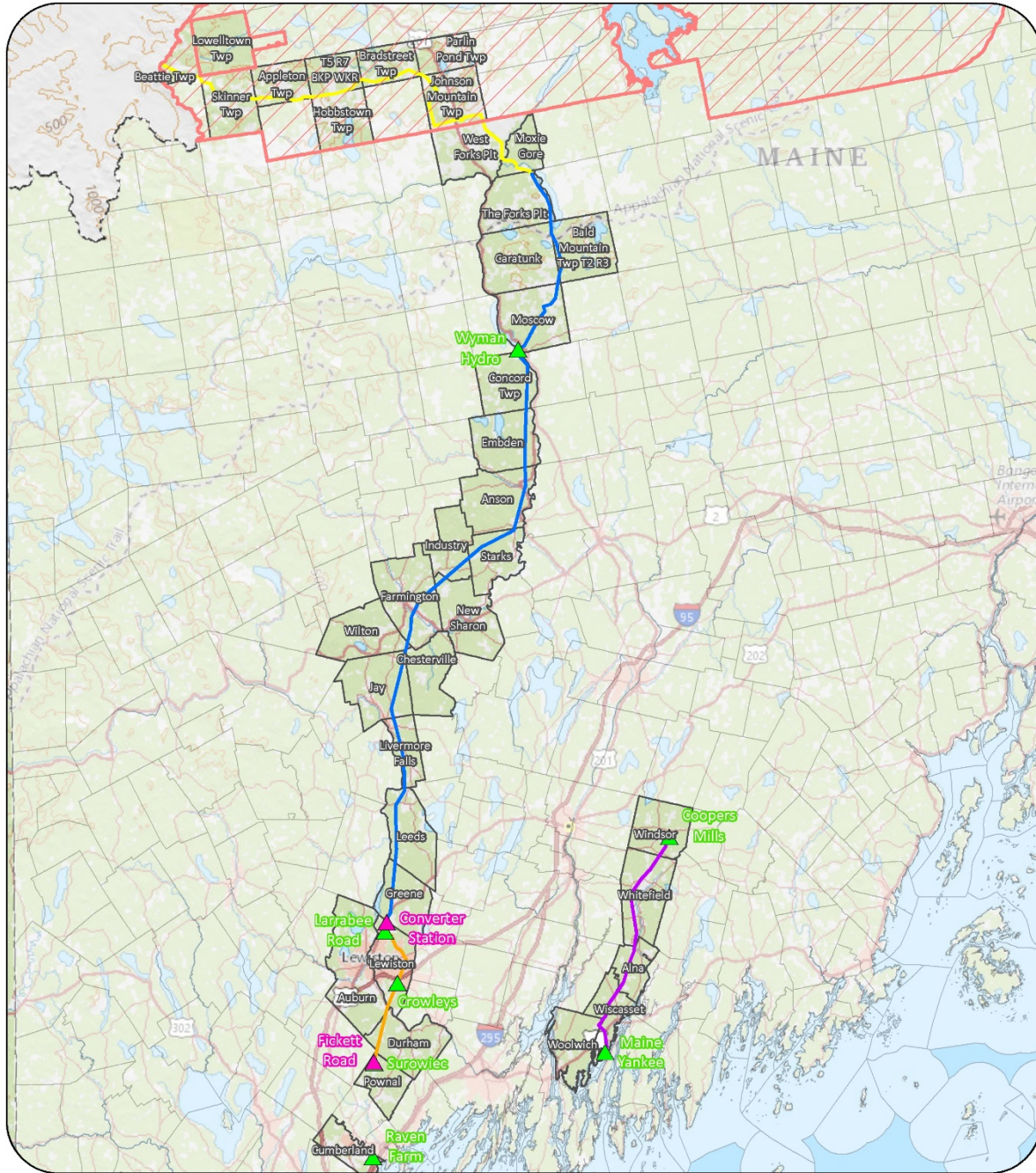
Under the Maine Endangered Species Act (“Maine ESA” or “MESA”), the categories “endangered” and “threatened” are protected. Species of “special concern” and “extirpated” are other administrative categories established by policy, not by regulation, and are for planning and informational purposes. Preferred habitat and documented occurrence information for each of these species as it may occur along the NECEC Project is described below. The species discussed below were identified through consultation with USFWS and MDIFW.








7.3.7.1 Canada Lynx

The Canada lynx is individually listed as Federally Threatened under the Endangered Species Act of 1973 (16 U.S.C. §§ 1531 et seq.). (“ESA”) and a State Species of Special Concern. The critical habitat for the Canada Lynx Distinct Population Segment (DPS) is also federally designated under the ESA. Critical habitat is defined as a specific geographic area that contains features essential to the conservation of an endangered or threatened species and may require special management and protection. Critical habitat may include areas that are not currently occupied by the species, but its protection is essential to the species recovery. Canada lynx habitat covers northwestern portions of the State of Maine and includes Aroostook and Piscataquis counties and northern Penobscot, Somerset, Franklin and Oxford counties, where snow depths are highest in the state (MDIFW 2017). **Figure 7-1** depicts the limits of the critical habitat in relationship to the NECEC transmission corridor (USFWS Shapefile 2017).


Lynx are common throughout the boreal forests of Alaska and Canada and the southern portion of their range once extended into the United States Rocky Mountains, Great Lake states, and the northeast U.S. Breeding populations are strongly correlated to the abundance of snowshoe hare, their primary food source. Dense conifer forest understory in a regenerating sapling spruce-fir forest (15-35 years old) is preferred by both the snowshoe hare and the lynx. Today, resident breeding populations of lynx are found in Maine. The NECEC Project corridor enters the Canada lynx critical habitat at the southern border of Johnson Mountain Twp and extends to the Canadian border in Beattie Twp. Based on information provided by MDIFW, there are no documented occurrences of the Canada lynx within the Project corridor.

Figure 7-1: Canada Lynx DPS Critical Habitat Map



	HVDC (New ROW)		Existing Substation
	HVDC (Existing ROW)		Proposed Substation
	New 345 kV Line		Canada Lynx DPS
	Rebuild Sections		

New England Clean Energy Connect
Figure 7-1 Canada Lynx DPS





7.3.7.2 Bats

Of the eight species that occur in Maine, three are protected under MESA: little brown bat (State Endangered), eastern small footed-bat (State Threatened) and Northern Long-eared bat (State Endangered). The Northern Long-eared bat (“NLEB”) is also Federally listed as Threatened under the ESA. The remaining five species are of Special Concern and are considered in the NECEC Project’s protection of bat species: big brown bat, red bat, hoary bat, silver-haired bat, and tri-colored bat.

The overarching threat to the listed species of myotis bats is the invasive fungus that is the causal agent for the White-Nose Syndrome (“WNS”), which is known to predominantly affect hibernating bats. Of the eight-protected species identified within the NECEC Project area, three have confirmed WNS: NLEB, little brown-bat, and eastern small-footed bat. The causative fungus, *Pseudogymnoascus destructans* (P.d.), has been found on the silver-haired bat and red bat, without confirmation of the disease (MDIFW 2017) (Mosby, C., personal communication, July 18, 2017).

With respect to the NLEB, because of the rapid population decline due to WNS, this species was federally listed as threatened in 2015. Section 4(d) of the ESA (“4(d) rule”) was finalized in January of 2016. The 4(d) rule, while it does not designate a critical habitat, prohibits “purposeful take,” unless authorized by a permit, except under specific circumstances. “Take” is defined by the ESA as “to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect.” “Purposeful take” is when the reason for some activity or action is to conduct some form of take. “Incidental take” is take that is incidental to, and not the purpose of an otherwise lawful activity. Inside the WNSZ, which wholly includes the NECEC, all “take” within known hibernacula is prohibited and incidental take caused by tree removal is prohibited (without a permit) if: the tree removal occurs within ¼ mile of a known hibernacula at any time of year and; tree removal cuts or destroys a known occupied maternity roost tree or any other trees within a 150-foot radius of the maternity roost tree during pup-season (June 1 through July 31) (81 FR 1900, January 14, 2016).

NLEB is found across much of the eastern and north central United States and all Canadian provinces from the Atlantic coast west to southern Northwest Territory and eastern British Columbia. This species hibernates during the winter in caves and mines called hibernacula. In the spring and summer, they are forest-dwelling and roost singly or in colonies underneath bark, in cavities, or in crevices of both live and dead trees. Breeding begins in late summer or early fall when males swarm the hibernacula. After a hibernation period, females establish “maternity roost” trees in the spring and pups are generally born between late May and late July (USFWS 2017). According to Cory Mosby, MDIFW Furbearer and Small Mammal Biologist, there are three known hibernacula sites in the

State of Maine; two in Oxford County and one in Piscataquis County, all well outside of the Project area. MDIFW reported that the only known maternity roost trees for the NLEB in Maine are located on Mount Desert Island within Acadia National Park in Hancock County (Mosby, C., personal communication, July 18, 2017). There is presumed occurrence of roosting bats in the northern hardwood and conifer forests consistent with areas found along the NECEC route.

Like the NLEB, the other state protected bat species (the little brown bat and the eastern small-footed bat) are both cave dwelling species that hibernate in hibernacula in the winter and roost in forested areas in the spring, summer, and fall months. In Maine, known hibernacula are protected by the MDIFW, which has indicated that the known hibernacula of the little brown bat and the eastern small-footed bat coincide with the known hibernacula for the NLEB (Mosby, C., personal communication, July 18, 2017). MDIFW has also indicated that there are no known maternity sites for these two species in forested settings outside of Acadia National Park on Mount Desert Island (Mosby, C., personal communication, July 18, 2017). MDIFW species profiles indicate that, except for the eastern small-footed bat which is found within the southern half of the state, bat species are widely distributed throughout Maine and can be found in nearly all areas (MDIFW 2017). Based on information provided by MDIFW, there are no documented occurrences of these species' individuals within the NECEC Project corridor.

7.3.7.3 Northern Bog Lemming

The northern bog lemming is State listed as Threatened under MESA. Little is known about this rare and elusive species. The northern bog lemming is a small mammal about the size of a vole (about one ounce) with a blunt nose, short tail, and a gray coat (McCollough 2003). The species is widely distributed across North America, ranging from Alaska to Labrador and south to Washington and Maine (McCollough 2003). In Maine, the northern bog lemming has been found in five locations, including two sites in Baxter State Park (McCollough 2003). Most occurrences are at elevations¹⁰ of 2,700 feet or greater, in moist wet meadows or boggy areas, often in conjunction with arctic or alpine tundra and spruce-fir forests. Specimens in Maine are associated with deep, moist sphagnum, both in low- and high-elevation settings (MDIFW 2017). Recent discoveries in New Brunswick have led biologists to believe that this species may be found at any riparian area with abundant streamside herbaceous vegetation at elevations of 1,000 feet or greater (MDIFW 2017). The northern portion of the NECEC Project, Segment 1, contains limited locations of elevations greater than 2,700 feet and a larger number of locations over 1,000 feet elevation with several riparian habitats. Based on information provided by MDIFW, there are no documented occurrences of the northern bog lemming within the Project corridor.

¹⁰ Elevations are measured in feet above mean sea level.

7.3.7.4 Rare Mussels

Four mussel species were identified associated with streams or rivers located near or within the NECEC Project. The Brook Floater, Tidewater Mucket, and Yellow Lampmussel are State listed as Threatened, while the Creeper is identified as Special Concern. A summary for each and its known occurrences is discussed below and detailed in **Table 7-2**.

Brook Floater

The brook floater is found only in habitats that have consistently flowing water, from small streams to large rivers (Pennsylvania Fish and Boat Commission 2009). It prefers clean water in gravel or sand and gravel substrates in riffles of creeks and small rivers. Within the vicinity of NECEC Project components, there are five documented occurrences of brook floater within the West Branch of the Sheepscot River in Windsor. There is one occurrence associated with the Kennebec River in Anson; however, although the corridor boundary intersects a mapped occurrence area GIS polygon, the Kennebec River, where the brook floater would occur, is not crossed by the transmission corridor.

Tidewater Mucket

In Maine, the tidewater mucket is known to occur in Merrymeeting Bay, and the Penobscot, St. George, lower Kennebec, and lower Androscoggin rivers (MDIFW 2003). This species prefers coastal lakes, ponds, and slow-moving portions of rivers and will tolerate impoundments. It occurs in a variety of bottom types including silt, sand, gravel, cobble, and occasionally clay. Based on information provided by MDIFW, there are no documented occurrences of the tidewater mucket within the Project corridor.

Yellow Lampmussel

In Maine, the yellow lampmussel is known to occur in the Penobscot, St. George, and lower Kennebec watersheds (MDIFW 2003). It typically prefers medium to large rivers but is often found in Maine lakes and ponds and will tolerate impoundments. It is often found with the tidewater mucket. This species occurs in a variety of bottom types including silt, sand, gravel, and cobble. Based on information provided by MDIFW, there are no documented occurrences of the yellow lampmussel within the Project corridor.

Creeper

The creeper is found in small to large rivers in the northeastern United States. According to the Massachusetts Division of Fisheries and Wildlife (Massachusetts Division of Fisheries and Wildlife 2007), this species prefers low-gradient river reaches with sand and gravel substrates and low to moderate water velocities. Streams and rivers that are productive, cool to warm water environments with diverse fish assemblages are most likely to

support the creeper (Massachusetts Division of Fisheries and Wildlife 2007). Within the vicinity of NECEC Project components, there is one documented occurrence of the Creeper associated with the Androscoggin River in Livermore Falls. The Project corridor intersects with a mapped GIS polygon associated with the occurrence point, but the Project does not cross the associated Androscoggin River.

Table 7-2: Occurrence Records of State listed Mussel Species within the NECEC Transmission Corridor

Segment	Town	Name	State Ranking	Feature ID#	Project Intersect (Y/N)	Stream Name	Stream Width (ft)	Equipment span (Y/N) ²
3	Livermore Falls	Creeper	Special Concern	1320	No	Androscoggin River	n/a ¹	No
3	Anson	Brook floater	Threatened	198	No	Kennebec River	n/a	No
5	Windsor	Brook floater	Threatened	154	Yes	West Branch Sheepscot River	60	No
5	Windsor	Brook floater	Threatened	155	Yes	West Branch Sheepscot River	60	No
5	Windsor	Brook floater	Threatened	197	Yes	West Branch Sheepscot River	60	No
5	Windsor	Brook floater	Threatened	7538	Yes	West Branch Sheepscot River	60	No
5	Windsor	Brook floater	Threatened	7539	Yes	West Branch Sheepscot River	60	No
5	Windsor	Brook floater	Threatened	7883	Yes	West Branch Sheepscot River	60	No

1) Not applicable: The waterbody does not intersect with the Project corridor, however is adjacent to.

2): No In-stream work is proposed.

7.3.7.5 Roaring Brook Mayfly

The Roaring Brook mayfly, an aquatic insect, once thought to be endemic to Roaring Brook near Mount Katahdin, is State-listed as Threatened. Surveys conducted by MDIFW beginning in 2003, led to discovery of 12 more mayfly occurrences, bringing the state total to 14 sites (MDFIW 2017). All sites are clustered in the central and western mountains in Maine at high elevation, perennial headwater streams draining off forested slopes at or above 1,000 feet in elevation within or adjacent to the currently documented range (northern Appalachian Mountain Range, stretching from Mt. Katahdin to the western border with New Hampshire and Quebec). Segment 1 of the NECEC Project falls within the Roaring Brook mayfly range, with one documented occurrence within an unnamed tributary to Mountain Brook in Johnson Mountain Twp. The first observation at this location was in 2003 with the most recent in 2010. The NECEC transmission line corridor intersects the GIS polygon associated with the known occurrence of the Roaring Brook mayfly as shown on the Natural Resource Maps in **Attachment 2** of the Site Location of Development Application.

7.3.7.6 Northern Spring Salamander

The northern spring salamander is a State-listed Species of Special Concern. This brightly colored aquatic, lungless salamander is approximately 12-19 cm (5-8 in.) in length as adults. It is usually found in undisturbed, high-relief mountain streams and sometimes in less steep, cool seeps and springs in forested areas (MA NHESP 1994). This species is particularly intolerant to disturbances and is considered an excellent indicator of a clean, well-oxygenated water source (CT DEEP 2017). Potential habitat exists in the coldwater streams found in the northern portions of the NECEC Project areas, however no occurrence data were provided by MDIFW for this species.

7.3.7.7 Bicknell's Thrush

The Bicknell's Thrush is a State-listed Species of Special Concern and protected under the Migratory Bird Treaty Act. As a Nearctic-Neotropical migrant, its breeding range is limited and fragmented, with known occurrences in the mountains of western and central Maine, and its wintering locations are confined to the Greater Antilles in the Caribbean (USDA 2017). This species is an extreme habitat specialist, requiring sub-alpine forests dominated by balsam fir and red spruce at elevations around 2,700-feet that typically have a history of natural disturbance resulting in stunted dense understory (MDIFW 2017). Bicknell's Thrush has been discovered in areas disturbed by timber harvesting, ski trails and road construction (Ouellet 1993). Bicknell's Thrush have been found in high densities in newly regenerating clear-cuts and in areas of constantly disturbed locations, including edges of human creating openings or in regenerating balsam fir (USDA 2017).

Breeding individuals arrive in Maine in late May with breeding beginning shortly after the female's arrival. The nesting and fledgling periods are typically from June 1 through August 15. According to MDIFW, breeding individuals are known to abandon their nests as a result of even the most minor disturbance. MDIFW provided one known habitat occurrence which intersects with the NECEC transmission corridor near Colburn Mountain in Johnson Mountain Twp, as shown on the Natural Resource Maps in **Attachment 2** of this Site Location of Development Application.

7.3.7.8 Rusty Blackbird

The rusty blackbird is a State-listed Species of Special Concern and protected under the Migratory Bird Treaty Act. Rusty blackbirds inhabit large home ranges (10 to 430 acres) in extensive spruce-fir and mixed spruce/fir northern hardwood forests with abundant wetlands and low gradient streams (Foss and Lambert 2017). They often nest in forested wetlands that contain stunted conifers and surround shallow, open water wetlands (Foss and Lambert 2017). The rusty blackbird is one of the earliest birds to arrive in the spring to breed, and start building nests as early as mid-April. Nesting pairs are often spread across the landscape, but sometimes nest in loose colonies (International Rusty Blackbird Working Group 2017).

Loss of wooded wetlands in winter grounds in the southeastern United States, as well as competition with other species for food, have contributed to this species' decline. Studies of nesting rusty blackbirds show relatively high rates of survival on breeding grounds, suggesting that hazards during migration or on the wintering grounds may present the greatest conservation needs (International Rusty Blackbird Working Group 2017). MDIFW provided one known species occurrence which intersects with the NECEC transmission corridor in Parlin Pond Twp, as shown on the Natural Resource Maps in **Attachment 2** of the Site Location of Development Application.

7.3.7.9 Great Blue Heron

The Great Blue Heron is a State listed Species of Special Concern and protected under the Migratory Bird Treaty Act. This species has experienced a 64% decline in the coast breeding population from 1983 to 2009 (MDIFW 2017). Great Blue Herons can be found in saltwater and freshwater habitats and breed in colonies to build stick nests high off the ground (The Cornell Lab of Ornithology 2017). One Great Blue Heron occurrence was identified by MDIFW on the coastline in Wiscasset, however, it is located 1.2 miles from the nearest point of the NECEC transmission line.

7.3.7.10 Wood Turtle

The wood turtle is a State-listed Species of Special Concern. Wood turtles use a mix of aquatic and terrestrial habitats throughout the year. They spend the winter hibernating in permanent, low to moderate gradient streams or

rivers (USFS 2009). The wood turtles' preferred summer habitat consists of cool streams in deciduous woodlands, red maple swamps, marshy meadows, and farm country (Behler and King 1979). They may also use bogs, forested wetlands, and vernal pools during the summer (USFS 2009). In Maine, wood turtles occur throughout the state, from Aroostook County south to York County (USFS 2009). Based on information provided by MDIFW, there are two known occurrences associated with the Sheepscot River in Alna (Segment 5). The GIS polygons for each occurrence overlap with each other and intersect the transmission corridor, however the transmission corridor does not overlap with the associated waterbody (Sheepscot River). The first observance of the wood turtle in this location was in 1999 and the most recent in 2004.

7.3.7.11 Scarlet Bluet

The scarlet bluet is a small, semi-aquatic insect and is a State listed Species of Special Concern. This species has a very small range restricted to scattered locations in the northeastern United States from New Jersey to southern Maine. According to the Massachusetts Division of Fisheries and Wildlife (2008), the scarlet bluet prefers acidic, sandy ponds with floating vegetation, often with water lilies. While nymphs are aquatic and live among the aquatic vegetation, adults spend much of their time flying out over the water and alighting on lily pads. Based on information provided by MDIFW, the Project is in the range of the Scarlet Bluet but no occurrences of the scarlet bluet have been documented within the Project vicinity.

7.4 Minimization and Mitigation of Potential Impacts to Terrestrial Resources

7.4.1 Wildlife Habitat

Wildlife responses to transmission corridors have received much attention and study. Transmission line corridors present potential direct impacts, as they may affect species movement, dispersal, density, nesting success and/or survival (Batory and Baldi 2004; Confer 2000; Confer and Pascoe 2003; Henson et al. 2005; Manitoba Hydro 1995; Marklevitz 2003, Willyard et al. 2004). As discussed below, potential impacts to wildlife habitat because of the NECEC may include temporary vegetative disturbance, habitat conversion, and shifting of existing linear forested edges. For the undeveloped corridor of Segment 1, impact may include fragmentation and creation of new linear edges. The proposed Project activities (construction and operation of an electric transmission line, expansion of existing substations and construction and operation of new substations) are environmentally compatible. The potential environmental impacts of the Project will be minimized by implementation of the measures discussed below.

7.4.1.1 Habitat Conversion

7.4.1.1.1 Transmission Lines

In general, due to the vegetative maintenance that is required to safely construct and operate transmission lines, the corridors that are created permanently alter, but do not eliminate, habitat in areas where forest cover previously existed. Transmission line corridors are maintained as early-successional shrub and herbaceous-dominated habitat, creating a permanent linear corridor of mainly scrub-shrub and non-woody vegetation. Habitat conversion is most pronounced in those areas where the proposed transmission line corridor traverses mature forest stands. The NECEC has been located (routed) and designed to minimize the creation of new transmission line corridors by constructing approximately 73 percent of the Project within existing corridors. Approximately 27 percent of the Project will require new clearing, however this area of the state is already intensively managed (i.e., periodically clearcut) forested land and the creation of a transmission corridor is not likely to disrupt or significantly alter existing land uses. Along select segments, some conversion will be required to modestly expand existing transmission line corridors to accommodate additional transmission lines.

Habitat conversion along transmission line corridors results in a loss of habitat types which, in turn, may adversely impact species that are reliant on the original habitat types. Conversely, such alteration provides benefits to several species. Linear transmission line corridors provide beneficial connectivity between habitat patches in disturbed landscapes (Willyard et al. 2004). Vegetation on a maintained transmission line corridor can also provide important foraging opportunities for several species, in particular, more winter browse for ungulates is available on transmission line corridors than in adjacent forests (Manitoba Hydro 1995). Geier (1992) showed that small mammals, deer, and moose fed more often in transmission line corridors than in adjacent forests. Maintained transmission line corridors may also provide important habitat for some declining populations of pollinator species that rely on scrub-shrub habitats, such as the bumble bees and butterflies (Confer 2000, Confer and Pascoe 2003).

In general, given the existing landscape characteristics of the overall NECEC Project area, construction and maintenance of the transmission line corridors will result in habitat conversion that is already common to the area, i.e. forested to scrub-shrub. It is anticipated that local wildlife populations will adapt and respond to any additional alterations much as they already do to uses within the vicinity of the transmission line corridor. Impacts of habitat conversion along the proposed transmission line corridor are expected to be minimal, beneficial to some species while detrimental to other species. CMP has developed a detailed Compensation Plan through consultation with state and federal resource and regulatory agencies to address impacts to sensitive wildlife habitats. This plan is located in Attachment 12.0 (Compensation and Restoration Plan) of the NRPA application.

7.4.1.1.2 New Substations

The Fickett Road substation and the Merrill Road converter station will permanently alter wildlife habitat. The effects of such changes should be minimal as footprints of the new substation yards are modest and there is sufficient similar habitat in the vicinity of both sites. To the maximum extent practicable, the new sites have been sited and designed to avoid and minimize impacts to sensitive wildlife habitats including DWAs, IWWHs, significant vernal pools, and streams and wetlands.

7.4.1.2 Fragmentation

Much research has focused on determining the responses of wildlife assemblages to the size and degree of isolation of forest fragments. Forest fragmentation, however, is best evaluated from a landscape scale. Most studies examine bird communities in fragments in agricultural areas where forest stands are isolated and there has been a marked decrease in the region's total forest area. Studies which have focused on the effects of fragmentation in forested landscapes suggest that known effects (such as increased nest predation and isolation) are suppressed in a forested versus an agricultural or developed landscape (Sabine et al. 1996, Flatebo et al. 1999, Small and Hunter 1988, Rudnicky and Hunter 1993).

Some bird species within the NECEC Project area that may be sensitive to forest fragmentation are the long-distance, neotropical migrants that rely on forest interior habitats, but plentiful suitable habitat is available near the NECEC Project areas for these interior forest species. Most of the potential breeding birds that are likely to be found in the vicinity of the transmission line corridor are not dependent on mature forest stands. Such species are typically found in forest settings that have a variety of timber size classes from young regenerating seedlings and saplings to larger mature trees (DeGraaf et al. 1992).

Most of the terrestrial mammal species that are likely to be found near the proposed transmission line corridors are likewise not dependent on mature forest. Most mammal species are typically found in forests that have a variety of size classes (DeGraaf et al. 1992). Forest fragments have been found to be important to species which do not require forest interior and rely more on the interior of edges (Blake and Karr 1987; Freemark and Collins 1992). Seventy three percent of the proposed transmission line corridors will be located within, or adjacent to, existing corridors. This co-location of existing and new transmission lines will not result in fragmentation beyond that which is already present, with the exception of 53.5 miles of new ROW which, as discussed previously, is located in an intensively managed timber production area and therefore not likely to significantly alter existing fragmentation.

7.4.1.3 Creation of Abrupt Linear Edges

Abrupt linear edges are inherent and necessary in transmission line corridors; this edge is most dramatic where the corridor traverses mature forested areas. In such areas, the abrupt edge can create a transitional zone which is characterized by species, habitat, and microclimate that differs from both adjacent forest and the transmission line corridor (Willyard et al. 2004). Transmission line corridors can also, depending on width and structure, form distinct species groups associated with the forest interior, transmission line corridor interior, or edge habitats (Anderson et al. 1977, Chasko and Gates 1982, Gates 1991). The transitional zone (also called an ecotone) between forest and transmission line corridor is often associated with increased species density and diversity, however this zone may favor habitat generalists (Willyard et al. 2004).

Overall, edge effects may be multiple and complex (Reis et al. 2004). Examples of complex interactions that may occur include alteration of predator/prey relationships and ecological traps. Predator/prey interactions may be affected by increased densities of either party in edge habitats (Willyard et al. 2004), or by facilitation of predator movement along the forest edge (Marklevitz 2003). Ecological traps (or sinks) occur along forest edges when mortality exceeds production (Willyard et al. 2004). For example, Flaspohler et al. (2001) found that nest density for two ground-nesting species (hermit thrush and ovenbird) in a forested landscape increased in the forested zone near an opening, however nesting success decreased.

Seventy-three percent of the proposed transmission line corridors will be located within, or adjacent to, existing corridors. The co-location of existing and new transmission lines will not result in the creation of abrupt linear edges beyond those that are already present, with the exception of the 53.5 miles of Segment 1 discussed previously and located in an intensively managed area for timber production; this transmission line segment is therefore not likely to significantly alter or increase the existing edge effect.

7.4.2 Wildlife

Similar to the general impacts to wildlife habitat discussed above, the proposed transmission line structures, lines, and corridor may potentially impact specific wildlife groups. These potential impacts, along with the proposed minimization and mitigation measures to ensure adequate protection of wildlife, are discussed below.

7.4.2.1 Reptiles and Amphibians

Transmission line construction and maintenance may result in limited impacts that are specific to reptiles and amphibians. While protected resources have been avoided to the maximum extent practicable, the transmission line portions of the NECEC Project will traverse some wetlands and streams that provide habitat to several of the amphibians and reptile species that potentially occur in the area. Where stream crossings are unavoidable, best

management practices (BMPs) as described in **Section 14** (Basic Standards Submissions) of the Site Law Application will be employed to minimize impacts associated with construction equipment access. No construction work will be required within waterbodies.

Vernal pools are important to several reptile and amphibian species. CMP will continue to work with the MDEP, MDIFW, USACE, USFWS, and the U.S. Environmental Protection Agency (USEPA) to ensure appropriate vernal pool protection. No direct impacts to significant vernal pool depressions are anticipated from transmission line construction. Access and placement of structures have been designed to minimize and avoid impacts to significant vernal pools to the maximum extent practicable. In instances where critical terrestrial habitat (area within 250 feet of the vernal pool depression) spans the entire width of the corridor; the Project will minimize impacts by utilizing timber mats to reduce disturbance. Some vernal pools will be spanned by electric conductors and there is the potential for indirect impacts through conversion of adjacent forested uplands and wetlands. The potential for these indirect impacts is minimal since the transmission line corridor will be maintained in a well-vegetated state, and only a small proportion of the forested area around any of these pools will be removed during construction of the NECEC Project.

As discussed above, co-location of the large portions of the NECEC Project that are in or adjacent to existing transmission line corridors will help minimize the effects on reptiles and amphibians. As such, reptile and amphibian species within the vicinity are expected to adapt to and coexist with the proposed transmission line portion of the NECEC much as they already do to the existing transmission line corridors.

7.4.2.2 Birds

Proposed transmission line construction and maintenance may result in limited impacts that are specific to birds. Potential adverse avian interactions with transmission lines include electrocution and collisions (Avian Power Line Interaction Committee [APLIC] 2006).

Electrocution is uncommon on high voltage transmission lines such as those proposed by the NECEC Project due to the wide spacing of phases/conductors. Collisions with wires can occur more often, particularly on transmission lines spanning waterways (Olendorff et al. 1981). Consequently, large migratory water birds are the most common victims of wire strikes (Thompson 1978, Manitoba Hydro 1995). APLIC (1994) states that, while waterfowl and large water birds may be more susceptible to collision in wetland areas, raptors and passerines appear to be more susceptible in upland habitats. Thompson (1978) concludes that “raptors, however, due to their great visual acuity, are rarely victims of wire strikes.” Bridges and Anderson (2002) conclude that most bird

collisions occur with the overhead ground wire (also called “static wire”) when birds veer upward to avoid conductors.

Due to the design and spacing of electric conductors for the NECEC, electrocution is not expected, even for large raptors. Collisions with lines may occur, but are expected to be random and rare. CMP’s Construction Vegetation Clearing Plan (**Exhibit 10-1**) includes specific protections for IWWHs, further discussed in **Section 7.4.3.3**, and requires CMP to install bird diverters or aviation marker balls where overhead transmission lines cross an IWWH area.

Potential impacts to bird habitat associated with clearing and maintenance of transmission line corridors are expected to be similar to the effects of ongoing maintenance of existing transmission line corridors. As such, avian species within the vicinity are expected to react and adapt to the proposed transmission line portion of the NECEC Project as much as they already do to the existing transmission line corridors, and thus any impacts from the NECEC Project will be minimal.

7.4.2.3 Terrestrial Mammals

It is anticipated that the proposed transmission line construction and maintenance activities will result in minimal potential impacts to most terrestrial mammals. The proposed transmission line construction and maintenance activities may have the potential to result in some impacts to DWAs. These impacts are discussed in **Section 7.4.3.2**, below.

Potential impacts to terrestrial mammals associated with clearing and maintenance of transmission line corridors are expected to be similar to the effects of ongoing maintenance of existing transmission line corridors with which the NECEC will be co-located. As such, terrestrial mammals within the vicinity are expected to react and adapt to the proposed transmission line portion of the NECEC much as they already do to the existing transmission line corridors.

7.4.3 Significant or Sensitive Wildlife Habitats

The following sections describe the potential impacts of the NECEC Transmission Project and the proposed minimization and mitigation measures for significant wildlife habitats crossed by the Project corridors. Some of the minimization and mitigation measures are also included in the Construction Vegetation Clearing Plan, **Exhibit 10-1**.

7.4.3.1 Bald Eagle Nest Sites

Based on a review of GIS information provided by USFWS, one bald eagle nest site is located within 660-feet of the NECEC transmission line corridor limits. These data rely on the most recent surveys conducted by the USFWS (2013).

In order to identify potential new and unmapped bald eagle nest sites along the NECEC transmission line corridor, CMP will perform an aerial survey each spring prior to construction. These surveys will be used to determine if any new bald eagle nests have been established near the NECEC transmission line corridors and substations. This aerial survey will be conducted in cooperation with Charlie Todd, MDIFW Endangered Species Coordinator, responsible for bald eagle research in Maine, and Erynn Call, MDIFW raptor specialist. Aerial surveys will focus on target areas identified in coordination with MDIFW and near waterbodies that support eagle activity.

The potential disturbance to eagle nests will generally be avoided by timing construction to coincide with times of the year when the nests are not occupied. Based on recommendations from MDIFW, CMP will avoid construction of the NECEC between March 1 and August 31 within 660-feet of known nest sites. Exceptions to this timing restriction may be requested of MDIFW in site-specific locations.

7.4.3.2 Deer Wintering Areas

Based on data received from the MDIFW, 9 of the 21 DWAs crossed will be subjected to some conversion of forested habitat to shrub and herbaceous cover types (refer to **Exhibit 7-2** for specific acreages). Additional DWAs intersected by Segments 4 and 5 of the Project will not be affected as there will be no clearing within DWAs located along these segments. All the DWAs crossed by the NECEC are classified by the MDIFW as indeterminate in value, and thus have no formal value rating.

Construction and maintenance of Segments 2 and 3 will not significantly affect the habitat functional attributes of the DWAs intersected by the Project for the following reasons:

- Corridor construction will only widen existing, non-forested transmission line corridors by approximately 75 feet. As such, functional effects on these DWAs are expected to be indiscernible. It is expected that after construction has been completed, these DWAs will function similarly to the way they currently do.
- CMP will maintain its transmission line corridors in a manner that encourages the growth of non-capable shrub species that can provide important winter browse for over-wintering deer and in accordance with the CMP Post-Construction Vegetation Management Plan (**Exhibit 10-2**) and CMP's Environmental

Guidelines for Construction and Maintenance Activities on Transmission Line and Substation Projects (“Environmental Guidelines”) (**Exhibit 14-1**).

7.4.3.3 Inland Waterfowl and Wading Bird Habitat

A total of 18 IWWHs were identified within the vicinity of Segments 1, 2, 3 and 5. Two of the IWWHs are ranked as high value, while the remaining 15 are ranked as moderate or unknown value. Twelve of the IWWHs are at least partially located within existing developed transmission line corridors; while six are in the undeveloped portion (Segment 1) of the Project. Additionally, 6 of the 18 IWWHs will not be impacted by clearing activities. (refer to **Exhibit 7-3** for specific acreages).

The 12 IWWHs that are partially located within the existing transmission line corridors have experienced construction and maintenance activities associated with operation and maintenance of the existing lines. These 12 IWWHs will be impacted by clearing for the NECEC Project and will continue to be maintained in accordance with CMP vegetation maintenance practices.

For the IWWH areas that occur within the transmission line corridors and are also ranked as moderate or high in value by the MDIFW, CMP has included restrictions within IWWH areas contained within the NECEC Construction Vegetation Clearing Plan (**Exhibit 10-1**). A brief summary of some of the protective construction practices to be implemented within IWWH’s are as follows. For a full management plan of these areas, please refer to **Exhibit 10-1**.

1. CMP will prohibit the use of motorized vehicles and mechanized equipment between April 15 and July 15 of each year of construction, unless approved in consultation with MDIFW. This restriction on activity within the mapped IWWHs will minimize the potential disruption of avian breeding and nesting activity.
2. When practicable, vegetation clearing will take place during frozen ground conditions. If not practicable, vegetation within IWWH must be removed using hand cutting or reach-in techniques and appropriate techniques to minimize disturbance to the maximum extent practicable, such as the use of travel lanes to accommodate mechanical equipment in the IWWH.
3. Where overhead transmission lines cross an IWWH area, CMP will install bird diverters or aviation marker balls according to the manufacturer’s guidelines and applicable transmission line codes unless otherwise determined to be impracticable by the MDEP in consultation with MDIFW.
4. Provided they do not present a safety hazard and are naturally present, CMP will leave undisturbed a minimum of 2-3 snags per acre to provide nesting habitat for waterfowl. Where appropriate, to mitigate habitat impacts due to the development, and as approved by the MDEP,

capable species may be topped, girdled, and/or treated with herbicides to prevent re-growth to create snags. Snags must be 12-16 inches in diameter or the largest size available from the existing stand of vegetation.

In addition, herbicides will only be applied to those areas of IWWH that do not have standing water at the time of the vegetation maintenance cycle (See CMP Post-Construction Vegetation Management Plan, **Exhibit 10-2**).

Construction of NECEC components are not expected to affect the ecological functionality of moderate and high-value IWWHs as these habitats are predominantly characterized by open areas of emergent and shrub vegetation, and contain relatively few trees. These conditions will still exist after construction is completed.

7.4.3.4 Vernal Pools

As described below, CMP's construction, maintenance, and operations practices in transmission line corridors are consistent with some of the significant vernal pool habitat management guidelines and goals presented in NRPA Chapter 335 and Calhoun and Klemens (2002)

1. No disturbance within the vernal pool depression without prior approval from MDEP and MDIFW. CMP expends a great amount of land acquisition, design, engineering, and construction effort to ensure that vernal pool depressions are not disturbed during construction and maintenance activities. These efforts include (1) providing environmental oversight during the Project design phase to ensure that pole structures are not placed in vernal pools; (2) implementing and maintaining erosion and sedimentation controls that help prevent siltation of pools; (3) marking vernal pool depression with flagging tape prior to construction; and (4) performing environmental inspections during construction to ensure that pools are not traversed by vehicles and construction equipment.
2. Maintain a minimum of 75 percent of the critical terrestrial habitat as unfragmented forest with at least a partly-closed canopy of overstory trees to provide shade, deep litter, and woody debris. Although transmission line corridors cannot be maintained as forest for reliability and safety reasons, they are maintained as early-successional habitat composed of shrubs and herbaceous plants. This habitat type provides moderate shading, significant litter accumulation (carbon input) from leaf drop and the die-back of herbaceous vegetation, and woody debris. The NECEC has been sited in existing transmission corridors where practicable to minimize the extent of forest clearing.
3. Maintain or restore forest corridors connecting wetlands and significant vernal pools. Within transmission line corridors, amphibian travel corridors composed of shrubs and thick growth of herbaceous vegetation are often present. Also, based on a position paper prepared for CMP by TRC Engineers, LLC in 2009

(TRC 2009) it is expected that transmission line corridors and their early-successional habitat are permeable to amphibian migration.

4. Minimize forest floor disturbance. With the exception of pole structure locations, transmission line corridors are not grubbed, rather, trees are cut at ground level and root systems are left in the ground. In addition, mitigation techniques including winter construction and the use of equipment mats are utilized during construction to minimize ground disturbance such as rutting. By virtue of transmission line corridor construction and maintenance practices, ground disturbance is minimized to only that necessary for safe construction.
5. Maintain native understory vegetation and downed woody debris. Transmission line corridors are constructed and maintained to encourage the growth of understory vegetation including shrubs and herbaceous plants. Also, downed woody debris from shrubs occurs naturally, and removed capable tree specimens, left in place to decompose, is very common in transmission line corridors.

No direct impacts to significant vernal pool depressions are anticipated from transmission line construction. Access to, and placement of, structures have been designed to avoid and minimize and avoid impacts to significant vernal pools to the maximum extent practicable. In instances where a significant vernal pool's critical terrestrial habitat (area within 250 feet of the vernal pool depression) spans the entire width of the corridor; impacts will be minimized by utilizing timber mats to reduce disturbance. Some vernal pools will be spanned by electric conductors and there is the potential for limited indirect impacts through conversion of minor amounts of adjacent forested uplands and wetlands. The potential for these indirect impacts is minimal since the transmission line corridor will be maintained in a well vegetated state, and only a small proportion of the forested area around any of these pools will be removed for the proposed transmission line corridor. Temporary impacts to adjacent wetlands can occur from equipment travel along the transmission line corridor. These impacts will be minimized by working during frozen conditions or by employing other techniques to minimize impacts. Disturbed areas within the 250-foot critical terrestrial habitat of significant vernal pools will be stabilized and restored as soon as practicable.

Section 14 – Basic Standard Submissions (of the Site Law) presents measures to prevent erosion and sedimentation within all wetland areas on or adjacent to the proposed transmission line corridor. CMP will implement its Environmental Guidelines (**Exhibit 14-1**) during the construction of the NECEC to minimize the potential for sedimentation and to protect vernal pool resources. CMP's guidelines include detailed erosion and sedimentation control measures, resource identification procedures, access road and equipment travel impact minimization measures, and restoration and stabilization measures that will reduce potential impacts to vernal pools in the Project area. CMP has developed a detailed Compensation Plan through consultation with state and

federal resource and regulatory agencies to address impacts to sensitive wildlife habitats. This plan is located in **Attachment 12.0** (Compensation and Restoration Plan) of the NRPA application.

7.4.4 RTE Species

The following sections describe the potential NECEC-related impacts to endangered, threatened or special concern species that may potentially occur in the vicinity of the NECEC Project components.

7.4.4.1 Canada Lynx

Construction of the NECEC may affect, but it unlikely to adversely affect, the Canada lynx or its critical habitat. The proposed transmission corridor in the northern section of the NECEC Project between Beattie Twp and Johnson Mountain Twp is located in a remote, predominantly forested area which is heavily managed for timber production.

According to the *Canada Lynx Conservation Assessment and Strategy* (Ruediger, et al, 2000), utility corridors can have both short and long-term impacts to lynx habitats, however the primary effect is to disrupt the connectivity of lynx habitat. When located adjacent to highways and railroads, utility corridors can further widen the right-of-way, thus increasing the likelihood of impeding lynx movement. Remote narrow utility corridors may have little or no effect on lynx, and may enhance habitat in certain vegetation types and conditions. The NECEC corridor, which will be cleared to 150 feet within Canada Lynx habitat, is not sited to run directly parallel to other linear features. Once constructed, the corridor will be allowed to revegetate to early successional (scrub/shrub) habitat therefore making it unlikely to impede lynx movements. Alternatively, a remote transmission line may promote a travel corridor for safe movement and provide habitat connectivity to Canadian lynx populations.

The lynx ability to survive and thrive in this region is heavily dependent on the availability of their primary food source, the snowshoe hare. Lynx seem to prefer to move through continuous forest, and frequently use ridges, saddles, and riparian areas (Koehler 1990, Staples 1995). Although cover is important to the lynx when searching for food (Brand et al. 1976), lynx often hunt along edges (Mowat et al. 2000). Research indicates it is unlikely that the creation of 150-foot transmission corridor will negatively affect Canada lynx or snowshoe hare habitat and both species may benefit from the creation of a varied successional landscape and an edge effect for hunting or foraging (Ruediger, et al., 2000).

A study completed by Brocke in 1993 for the USDA Forest Service indicates causes of lynx extirpation from the White Mountain National Forest in New Hampshire was losses from highway kills; along with trapping and loss of habitat (Brocke et al. 1993). Recent studies have not been conducted to assess traffic volume, which may affect lynx mortality and dispersal. However, recent research on other carnivores on highways in Canada suggests that

highway traffic volumes of 2,000 to 3,000 vehicles per day may be problematic due to a higher incidence of animal collisions. Traffic volumes of 4,000 vehicles or more per day create more serious impacts in terms of mortality and effective fragmentation (Ruediger, et al., 2000).

The NECEC corridor within the lynx critical habitat area is in a remote area of the state with no major interstate highways or heavy vehicular traffic. The major road network in this area consists of two lane state or county roads and gravel logging roads. Construction of the NECEC Project will temporarily increase local traffic during construction, but construction activity will not be concentrated in a particular area for extended durations. While the likelihood of an impact to lynx mortality due to vehicular traffic is low, the Project will reduce this potential risk by minimizing night travel, as well as travel at dusk and dawn, when lynx are most active. The NECEC will also require environmental training for all personnel associated with the Project, which will include training related to appropriate speed limits and general awareness of the potential presence of this protected species.

7.4.4.2 Bats

The NECEC may affect, but is not likely to adversely affect any of the eight-bat species that could be present along the Project route. As discussed in **Section 7.3.3.2**, the primary threat to bats is White Nose Syndrome (WNS), particularly in the northeast where some bat species populations have declined up to 99 percent (USFWS 2017). The White Nose Syndrome Zone (WNSZ) includes the entire state of Maine and most areas of the eastern and midwestern United States. The three species with confirmed WNS are the NLEB, little brown-bat and eastern small-footed bat. The causative fungus, *Pseudogymnoascus destructans* (P.d.), has been found on the silver-haired bat and red bat, without confirmation of the disease (USFWS 2017). In 2011, it was discovered that bats at the three known hibernacula sites in Maine have visible signs of the WNS fungus on their wings and muzzles. This disease has been reported to cause 90 to 100-percent mortality in hibernaculum in other areas of the country.

The USFWS, under the 4(d) rule, has offered a streamlined consultation framework for the NLEB. This optional framework allows federal agencies to rely upon the USFWS January 5, 2016, intraService Programmatic Biological Opinion (BO) in the Final 4(d) Rule for the NLEB for section 7(a)(2) compliance by: (1) notifying the USFWS that an action agency will use the streamlined framework; (2) describing the Project with sufficient detail to support the required determination; and (3) enabling the USFWS to track effects and determine if re-initiation of consultation is required per 50 CFR 402.16. The NECEC is eligible to utilize the streamlined Section 7 consultation if the Project occurs wholly outside the WNSZ or it is determined that the Project is not near, as defined above, any known hibernacula or maternity roost trees. The NECEC, which is wholly located within the WNSZ but not near any known hibernacula or maternity roost trees, intends to utilize the streamlined consultation and will meet the provisions described in the “Optional framework to Streamline Section 7 Consultation for the

Northern Long-eared Bat” form with submittal to the applicable agencies. If the USFWS does not respond within 30 days of the submittal of the form then it is presumed that consultation is complete. If applicable, the determination will be updated annually for the Projected multi-year construction schedule.

The NECEC will involve 1,809-acres of forest conversion associated with tree clearing. The majority of tree clearing will occur within Segment 1, the 53.5 miles of undeveloped corridor between Beattie Twp and The Forks Plt. According to the BO, tree clearing in areas not near known hibernacula or known maternity roost trees is not a major contributor to the species decline., but because populations of bats are depressed by WNS, human activities that were not previously believed to be significant may be so now (USFWS 2017). In WNS affected areas, MDIFW recommends, although does not require, an attempt to minimize tree removal during the maternity season when the pups are not able to fly and escape a falling tree. Maternity roost season occurs between June 1 and July 31 in Maine. Removal of trees outside this period, when most bats can fly and are more dispersed, is less likely to result in a direct injury or mortality. As a conservation effort to protect all federal and state protected bat species, the NECEC will suspend tree clearing activities during the maternity roost season of June 1 to July 31.

7.4.4.3 Northern Bog Lemming

Development of the NECEC is not likely to affect this elusive species. While northern portions of the Project may have suitable habitat, as described in Section 7.3.7.3 above, there have been no known occurrences within or near the Project area. The NECEC has taken steps to minimize impacts to all wetlands and water bodies by siting access roads and structure locations outside these areas to the maximum extent possible. Where crossings are unavoidable, the Project has included specific protections of riparian buffers, which include buffers (Construction Vegetation Clearing Plan: **Exhibit 10-1**) and timber mat spans for equipment crossings (Environmental Guidelines: **Exhibit 14-1**).

Consultation with MDIFW suggests there is limited occurrence data for this species, with no known occurrences near the NECEC Project. Little is known or understood about the habitat requirements and range of the northern bog lemming given their secretive, elusive nature. MDIFW identified potential habitat as wetlands over 1,000-feet in elevation with a dominant cover type of sphagnum. The NECEC Project avoids wetlands to the maximum extent practicable, and, when impacts are unavoidable, they are minimized by the utilization of timber mats for equipment travel, erosion and sedimentation control techniques, and proper restoration methods as per CMP’s Environmental Guidelines (**Exhibit 14-1**). CMP will continue to work with MDIFW to further understand the management standards and specific protective measures for the northern bog lemming.

7.4.4.4 Rare Mussels

Construction of the NECEC is not expected to affect known occurrences of state-listed mussel species. The occurrences of the species are located within larger rivers and streams that will be spanned by the transmission lines. Structures will be placed on either side of these rivers and streams and no crossings are proposed in these locations, therefore in-stream construction will be avoided. To protect known mussel habitat from potential indirect impacts, CMP will implement erosion and sedimentation control measures to prevent sedimentation into waterbodies and maintain the existing water quality.

7.4.4.5 Roaring Brook Mayfly

Construction of the NECEC is not expected to affect the Roaring Brook mayfly. To protect the Roaring Brook mayfly habitat and all aquatic and riparian species, CMP has sited transmission line structures to avoid rivers and streams. No in-stream work is proposed as part of this Project. Streams that must be crossed during construction will be entirely spanned by timber mats, consistent with the procedures outlined in CMP's Environmental Guidelines (**Exhibit 14-1**). CMP will avoid crossing those streams which cannot be completely spanned using available bridging resources. CMP will implement its erosion and sedimentation control measures to prevent sedimentation into waterbodies and maintain the existing water quality. Clearing of riparian buffers will be consistent with the NECEC Construction Vegetation Clearing Plan (**Exhibit 10-1**), by protecting areas within 25 feet of top of bank of all streams and rivers crossed by limiting clearing to capable species with removal done by hand or by using reach-in techniques. Herbicide application is not permitted within the 25-foot buffer when surface water is present, and no accumulation of slash will be allowed within 25 feet of the resource. Within 100 feet of the top of bank of all streams and river crossed, no equipment refueling or maintenance will occur, and no herbicides will be stored, mixed or transferred, unless these activities take place on a public road.

7.4.4.6 Northern Spring Salamander

Very little occurrence information for the northern spring salamander has been gathered by MDIFW, however due to the geographic range of this species, and the presumed excellent water quality of northern coldwater streams, it is assumed that the northern spring salamander is present within the NECEC Project area. To protect this and all aquatic and riparian species, CMP has sited permanent structures to avoid rivers and streams. No in-stream work is proposed as part of this Project. Streams that must be crossed during construction will be entirely spanned by timber mats, consistent with the procedures outlined in CMP's Environmental Guidelines (**Exhibit 14-1**). CMP will avoid crossing those streams which cannot be completely spanned using available bridging resources. CMP will implement erosion and sedimentation control measures to prevent sedimentation into waterbodies and maintain the existing water quality. Clearing of riparian buffers will be consistent with the NECEC Construction Vegetation Clearing Plan (**Exhibit 10-1**), by protecting areas within 25

feet of top of bank of all streams and rivers crossed by limiting clearing to capable species with removal done by hand. Herbicide application is not permitted within the 25-foot buffer when surface water is present, and no accumulation of slash will be allowed within 25 feet of the resource. Within 100 feet of the top of bank of all streams and river crossed, no equipment refueling or maintenance will occur, and no herbicides will be stored, mixed or transferred, unless these activities take place on a public road.

7.4.4.7 Bicknell's Thrush

As discussed in Section 7.3.3.7, the Bicknell's thrush is an extreme habitat specialist, requiring sub-alpine forests dominated by balsam fir and red spruce at elevations around 2,700-feet that typically have a history of natural disturbance resulting in stunted dense understory (MDIFW 2017). MDIFW provided one known habitat occurrence which intersects with the NECEC transmission corridor in Johnson Mountain Twp. The total area of this breeding habitat is approximately 3,193 acres and is associated with the high elevation sub-alpine forest on Coburn Mountain. The transmission line crosses the habitat for 2,500 linear feet, in a particularly narrow portion at the northeastern corner of the polygon.

Approximately 8.86 acres of habitat will be cleared of capable species to accommodate the HVDC line. As discussed previously, the Bicknell's thrush has recently been discovered in areas disturbed by timber harvesting, ski trail and road construction (Ouelett 1993), which are all activities similar in kind to construction of a transmission line. Additionally, this species has been found in high densities in newly regenerating clear-cuts and in constantly disturbed locations, including edges of human-created openings or in regenerating balsam fir (USDA 2017).

Based on this information, it appears that the Bicknell's thrush will utilize this habitat and may even prefer areas with recent disturbance, such as an early successional transmission corridor. According to MDIFW, however, breeding individuals are known to abandon their nests as a result of even the most minor disturbance. The applicant has reviewed the *Guidelines for managing Bicknell's thrush habitat in the United States* by High Branch Conservation Services (Lambert, MacFarland and Rimmer 2017), which included various recommendations for protection of this species. To avoid impacts during the breeding season, NECEC will not be constructed within the Bicknell's thrush habitat, as shown on the Natural Resources Maps (**Attachment 2**), during the nesting and fledging periods (June 1 through August 15).

7.4.4.8 Rusty Blackbird

CMP consulted with Adrienne Leppold, Wildlife Biologist with MDIFW, regarding the one known species occurrence of Rusty Blackbird which intersects with the NECEC transmission corridor in Parlin Pond Twp (Leppold, A., personal communication, August 3, 2017). Ms. Leppold indicated that the

location provided by MDIFW is a single documented occurrence of a breeding pair in 2007, however based on aerial imagery it appears that this location would still support the Rusty Blackbird habitat. The Rusty Blackbird may use the same breeding locations annually. Ms. Leppold indicated that her concerns are minimal, however, since this location may consist of suitable habitat and this species is quite neophobic, i.e., it strongly favors familiar conditions and habitat, it would be preferable to avoid clearing activities within this location between April 30 and June 30, coinciding with their nesting season. Once clearing has been completed, other activities should not affect the Rusty Blackbird. To avoid impacts during the breeding season, the NECEC will avoid clearing activities within the mapped polygon associated with the documented occurrence, as shown on the Natural Resources Maps (**Attachment 2**), during the nesting season (April 30 through June 30).

7.4.4.9 Great Blue Heron

There are no documented Great Blue Heron colonies within the NECEC Project. If a heron colony is discovered near or within the transmission Project, CMP will contact an MDIFW biologist for confirmation and under guidance from MDIFW, mitigation efforts may be developed and implemented similar to Inland waterfowl and wading bird habitat, see **Section 7.4.3.3**. Based on recommendations from MDIFW, prior to initial transmission line clearing, CMP will complete surveys for heron colonies within or immediately adjacent (within 75-feet) to existing IWWH's within the NECEC Project, between April 20 and May 31 prior to each year of construction. If discovered, CMP will notify and consult with MDIFW biologist.

7.4.4.10 Wood Turtle

As discussed in **Section 7.3.3.10**, wood turtles prefer wetland and aquatic habitats throughout the year and are typically found in streams, rivers, red maple swamps, and marshy meadows but, may also be found in bogs and vernal pools. MDIFW provided two known occurrence points for the wood turtle associated with the Sheepscot River in Alna (Segment 5). The transmission line corridor does not intersect with the Sheepscot River; however, it does intersect with the two overlapping GIS polygons. Construction of Section 3027 does not require tree clearing, however there will be new structures installed. The NECEC has been designed to avoid the placement of structures within wetlands and waterbodies to the maximum extent practicable. Additionally, CMP's Environmental Guidelines (**Exhibit 14-1**) include detailed erosion and sedimentation control measures, and access road and equipment travel impact minimization measures.

CMP will provide mandatory environmental training for all personnel associated with the Project, which will include general awareness of the potential presence of the wood turtle, as well as proper response procedures if an individual is discovered during construction. Response procedures will include: suspending construction in the

immediate area of the individual, contacting the appropriate MDIFW biologist and, if necessary, attempting to capture and relocate the turtle by a qualified biologist.

7.4.4.11 Scarlet Bluet

This semi-aquatic insect prefers acidic, sandy ponds with floating vegetation and may be found within areas consistent with the NECEC Project, however there have been no documented occurrences within or near the Project transmission corridor. The NECEC is unlikely to impact this species as it has been designed to avoid the placement of structures within wetlands and waterbodies to the maximum extent practicable. Additionally, CMP's Environmental Guidelines (**Exhibit 14-1**) include detailed erosion and sedimentation control measures to maintain water quality within nearby resources.

7.5 Fisheries Resources

7.5.1 Waterbodies and Associated Fisheries

Field survey data identified 724 waterbodies as being intersected by the NECEC transmission line corridor, the majority of which are currently spanned by existing transmission lines. Of those 724 waterbodies, 184 will be spanned by construction access roads. The Fickett Road Substation, the Merrill Road Converter Station and the substation upgrades will not impact waterbodies.

Major and minor waterbodies, including both perennial and intermittent streams, are identified in the NECEC Waterbody Table ("waterbody table") (**Exhibit 7-7**) and depicted on the Natural Resource Maps (**Attachment 2**). The waterbody table includes detailed segment-specific information for each waterbody within the NECEC transmission line corridors, including: stream name, average width, water quality classifications, width of the existing maintained corridor, width of additional proposed clearing, distance to new structure (pole) locations, and whether a temporary equipment crossing is proposed.

Water quality classifications were derived using The Bureau of Land Resources and Water Quality Waterbody Statutory Classification dataset (<http://www.maine.gov/dep/gis/datamaps/>). Classifications provided in **Table 7-7** are limited to waterbodies where such geospatial information was available, largely major rivers and their tributaries. Water quality classifications for smaller perennial and intermittent streams, over much of the project, are not provided, as data are not readily available. The NECEC Project will not degrade water quality within any waterbody, and will not violate any state water quality law, including those governing the classification of the State's waters, even with the most stringent standards applied (i.e., Class AA). There is no in-stream construction proposed and all temporary crossings will completely span each stream and will be constructed and maintained in a manner that will prevent sediment from entering waterbodies. Additionally, CMP will follow its Environmental

Guidelines, provided in the Basic Standards Submission Section (**Exhibit 14-1**), which contain effective and proven erosion and sedimentation control best management practices that will be used to protect soil and water resources during construction of the various NECEC Project components. CMP will also implement its Environmental Control Requirements for Contractors and Subcontractors - Oil and Hazardous Material Contingency Plan (**Exhibit 15-1**), which establishes minimum requirements for effective spill prevention and response.

The most recognized species comprising coldwater fisheries are members of the family Salmonidae (trout and salmon). The most common coldwater species that occur in the Project area is the brook trout (*Salve Linus fontinalis*). The MDIFW provided geospatial information which identifies certain waterbodies as “likely brook trout habitat.” Brook trout are essentially pervasive in the Project area and may be found in some portion of many of the waterbodies. The brook trout populations in some of these streams are natural and self-supporting, particularly those associated with the smaller, colder streams that are sustained by groundwater input.

Species that comprise warmwater fisheries include smallmouth bass (*Micropterus dolomieu*), chain pickerel (*Esox niger*), and sunfish (*Lepomis spp.*). These waterbodies have not been studied because there has been low priority for extending research to the large number of minor waterbodies in Maine considering the abundance of larger and more significant streams and lakes. Some of these minor waterbodies classified as “N/A” are likely to support brook trout, albeit in small and/or seasonal populations. Intermittent waterbodies may provide only short-term fishery habitat value, if any.

7.5.2 Protected Fish Species

7.5.2.1 Essential Fish Habitat

In 1976, the Magnuson-Stevens Fishery Conservation and Management Act (“Magnuson-Stevens Act (MSA), 16 U.S.C. §§ 1801 et seq.) established a management system for marine fisheries resources of the United States. This included the establishment of regional management councils that develop fishery management plans for conservation and management of fishery resources. The 1986 and 1996 amendments to the MSA, renamed the Sustainable Fisheries Act, included evaluation of habitat loss and protection of critical habitat. The habitat is identified as Essential Fish Habitat (“EFH”) and is defined to include “those waters and substrate necessary to fish for spawning, breeding, feeding, or growth to maturity.” EFH can be found for marine and anadromous species within several rivers and associated tributaries and estuaries found along the NECEC transmission line corridor.

7.5.2.2 Atlantic Salmon

The Atlantic salmon is federally listed as Endangered and there is a final Critical Habitat designation for this species, known as The Gulf of Maine Distinct Population Segment (Gulf of Maine DPS). The Atlantic salmon (*Salmo salar*) is an anadromous fish in Maine which was once present in most major rivers north of the Hudson River. Remnant populations are now known in a limited number of rivers across the state of Maine. Atlantic salmon typically spend two to three years in freshwater and then migrate to the ocean where they spend an additional two to three years before returning to their natal river to spawn. While at sea the salmon grow very quickly. Those that return to spawn after one year at sea are called grilse, whereas those that return after two or more years are called salmon. After spawning in the fall, the spent adults (known as kelts or black salmon) may overwinter in the river, or return immediately to sea.

All waters currently or historically accessible to Atlantic salmon in New England have been designated as EFH for Atlantic salmon. The Atlantic salmon Gulf of Maine DPS of Atlantic salmon is jointly listed by the USFWS and NMFS, however the USFWS has lead agency status for ESA Section 7 consultations for those programs that occur within the freshwater habitat of Atlantic salmon.

The Gulf of Maine DPS encompasses all naturally reproducing remnant populations of Atlantic salmon in a geographic range that extends from the Androscoggin River northward along the coast, to the mouth of the St. Croix River. The Penobscot River and its tributaries downstream from the site of the Bangor Dam are included in the range of the Gulf of Maine DPS. To date, USFWS and NMFS have determined that these populations are found in the following watersheds:

- Sheepscot River watershed
- Ducktrap River watershed
- Cove Brook watershed
- Narraguagus River watershed
- Pleasant River watershed
- Machias River watershed
- East Machias River watershed
- Dennys River Watershed
- Penobscot River
- Androscoggin River
- Kennebec River

Through a review of the National Oceanic and Atmospheric Administration (NOAA) Fisheries Atlantic Salmon Critical Habitat GIS Data Layer and the Maine Office of GIS Data Layer- Atlantic Salmon Habitat (ASHAB3) (4/15/2016), multiple waterbodies intersected by the transmission line corridors along the NECEC Transmission Project are considered potential habitat for Atlantic salmon. The NECEC Transmission Project corridor encounters the following Atlantic salmon watersheds: Upper and Lower Kennebec, St. George/Sheepscot and the Lower Androscoggin. Smaller rivers identified as being potential habitat of the Atlantic salmon include: the West Branch of the Sheepscot River and the Sandy River, a drainage to the Lower Kennebec. In addition, it is likely that many perennial tributaries to these rivers contain suitable Atlantic salmon habitat. Critical habitat and waterbodies which contain Atlantic Salmon DPS are identified in the Waterbody Table (**Exhibit 7-7**); however, no in-stream construction work is proposed within any stream that might currently support Atlantic salmon.

7.5.2.3 American Eel

The American eel has a catadromous life cycle: it spawns in the ocean and migrates to fresh water to grow to adult size. In Maine, the American eel is state listed species of special concern. This species has many life stages: leptocephali, glass eel (also known as elvers), yellow eel, and silver eel. Yellow eel are the primary life stage harvested by commercial and recreational fishermen, when they are in brackish or fresh waters (ASMFC, 2014).

Fisheries biologists and fisheries managers throughout the East Coast have expressed concern for American eel abundances since at least the 1970s, when landings data and fisheries independent monitoring surveys first suggested that eel stocks were in decline (Atlantic States Marine Fisheries Commission 2000, Atlantic States Marine Fisheries Commission 2014). A 2012 benchmark stock assessment by the Atlantic States Marine Fisheries Commission found that American eel stocks throughout the U.S. were depleted compared to historic abundances. Yellow eel abundances appear to have declined throughout much of their range (Atlantic States Marine Fisheries Commission 2012). Trends in glass eel abundances are less clear (U.S. Fish and Wildlife Service 2007, ASMFC 2012).

Range-wide declines in yellow eel abundance are likely due to a combination of factors including fishing pressure, habitat loss, mortality at hydroelectric dams, pollution, disease, and changing ocean conditions (ASFMC 2012). Because of the variety of habitat requirements, depending on the life stage, the American eel can be found in marine environments, brackish waters or far inland in freshwater environments. The NECEC Project primarily traverses freshwater streams and only a portion of them may be able to support eel populations due to impoundments or barriers to the sea.

7.6 Minimization and Mitigation of Potential Impacts to Fisheries Resources

7.6.1 Waterbodies and Associated Fisheries

Overall, direct impacts to fishery resources will be minimal, as work is not proposed within waterbodies. Potential indirect impacts include sedimentation and turbidity, introduction of pollutants, and locally increased stream insolation (exposure to sunlight) associated with the construction of utility corridors (Peterson 1993). As discussed below, these indirect impacts will be minimal.

Potential sedimentation associated with soil disturbance from equipment use and vehicle access can result in temporary short-term impacts to fishery resources. Sedimentation can result in reduced light penetration, smothering of aquatic feeding and spawning areas, and impairment of aquatic respiration. Sedimentation can also impact the quality of coldwater fish habitat in waterbodies by increasing the level of substrate embeddedness¹¹, reducing habitat complexity, and altering stream channels. To avoid these problems, CMP will implement its Environmental Guidelines (**Exhibit 14-1**) during the construction of the NECEC to minimize the potential for sedimentation and to protect fishery resources. CMP's guidelines include detailed erosion and sedimentation control measures, resource identification procedures, access road and equipment travel impact minimization measures, and restoration and stabilization measures that will reduce potential impacts to waterbody resources.

Sun exposure on smaller waterbodies can result in a negative impact due to an increase in water temperature, i.e., insolation, which can pose problems for coldwater fisheries. The majority of the NECEC transmission line corridors will not be expanded to accommodate the needs of the Project. On specific segments, some additional clearing will be required to increase the transmission line corridor width to that necessary to construct and safely operate the facilities. The waterbody crossing table located in **Exhibit 7-7** identifies the amount of additional clearing width required within each respective corridor, if applicable. Peterson (1993) has reported that the removal of tree canopy (on new transmission line corridors) increases stream insolation during the short term, but within two years the areas are bordered by dense shrubs and emergent vegetation and water temperatures are not significantly higher than upstream forested reaches.

To minimize any potential for negative impacts to stream habitat and fisheries from vegetative clearing, CMP proposes to allow vegetation to remain in place to the extent practicable and install appropriate sedimentation controls (Section 14 – Basic Standard Submissions). Furthermore, all waterbody crossings will be spanned by the NECEC transmission line, and no work will take place within stream channels. No earth work is proposed in

¹¹ Substrate embeddness is defined as the extent to which larger particles are buried by finer sediments (MacDonald et al. 1991)

general, except for pole installation. No new poles will be installed within 25 feet of these waterbodies, and only minimal tree removal is proposed in these stream buffer areas. All capable species will be removed from the stream buffer during initial clearing for construction. Vegetation maintenance, conducted on a 4-year cycle, in the stream buffer areas will consist of cutting back to ground level, all woody vegetation over 10 feet in height, whether capable or non-capable within that portion of the 25-foot stream buffer within the wire zone (i.e., within 15 feet, horizontally, of any conductor). Only capable species will be removed outside of the wire zone during vegetation maintenance activities. Otherwise, stream side vegetation will not be disturbed during construction or during future maintenance activities and the buffer will continue to function in a similar manner as before construction. Future maintenance activities in these areas will consist of hand removal of those capable species that are likely to encroach on the conductor safety zone within the next 4 years. Herbicides will not be used within 25 feet of streams or standing water. Stream buffers are described in more detail in the NECEC Construction Vegetation Clearing Plan and Post-Construction Vegetation Management Plan that, located in **Section 10** (Buffers) of the Site Law Application.

Construction of the NECEC will require temporary equipment access across certain waterbodies to reach pole and utility structure locations. CMP has designed access routes to minimize the number of crossings that will be required, and has avoided crossing of larger waterbodies where possible. Where practicable, access road approaches and temporary equipment spans have been designed to cross waterbodies in a perpendicular fashion to limit the disturbance of vegetation and soils immediately adjacent to waterbodies. CMP will also utilize existing access roads where feasible to minimize disturbance.

CMP has included detailed measures to minimize potential sedimentation and turbidity associated with equipment crossings within its Environmental Guidelines (**Exhibit 14-1**). Bridges (also known as equipment spans) are the preferred method for temporary access across waterbodies. Bridge construction minimizes potential disturbance to the waterway bed and banks. Most bridges can be quickly removed and reused without significantly affecting the stream or its banks and without interfering with fish migration. All equipment bridges will be routinely cleaned of accumulated sediment deposited by construction traffic; removed sediment will be placed in an upland area to prevent its introduction into a waterbody.

Another potential negative impact to fishery resources is inadvertent spills from construction equipment. The multiple methods, plans, and procedures to prevent surface water degradation during construction, operation, and maintenance of the proposed NECEC transmission lines are incorporated into CMP's Environmental Control Requirements for Contractors and Subcontractors – Oil and Hazardous Material Contingency Plan (**Exhibit 15-1**).

These procedures establish a set of minimum requirements for spill prevention and response. The procedures incorporated into the plan have proven successful for preventing spills and for addressing spills if they occur. CMP's environmental inspectors will ensure that all personnel working on the site follow these procedures. These measures will ensure that potential impacts to fishery resources are minimized.

In summary, the practices described in the Site Law, including erosion and sedimentation control measures, vegetative buffer strips, minimization, careful placement and maintenance of stream crossings, and spill prevention and control measures will assure that fish populations in the area will not be adversely affected by the construction and maintenance of the proposed NECEC facilities.

7.6.2 Potential Impacts to Protected Fishery Resources

7.6.2.1 Essential Fish Habitat

Waters and substrate necessary to fish for spawning, breeding, feeding, or growth to maturity defines essential fish habitat ("EFH") for marine fishery resources. No work proposed as part of the NECEC will occur within the waters or substrate that is identified as EFH. Therefore, no impacts to EFH will occur.

7.6.2.2 Atlantic Salmon

Potential Atlantic salmon habitat occurs within waterbodies crossed by the NECEC Project. As stated previously, no instream work will occur in any stream that potentially contains Atlantic salmon. CMP has consulted with the resource agencies to identify potential salmon habitat; please refer to the Water Body Crossing Table located in **Exhibit 7-7**, which identifies each stream as Atlantic Salmon Gulf of Maine DPS habitat or Critical Habitat. All equipment bridges spanning waterbodies will be constructed and maintained to prevent the introduction of sediments tracked by construction equipment. Additionally, to protect water quality CMP will implement its Environmental Guidelines (**Exhibit 14-1**), which provides protocols for the implementation of erosion and sedimentation controls.

As referenced in Section 7.6.1, the removal of tree canopy on new transmission line corridors increases stream insolation during the short term, but within two years the areas are bordered by dense shrubs and emergent vegetation and water temperatures are not significantly than upstream forested reaches (Peterson 1993). To minimize any potential for negative impacts to stream habitat and fisheries from vegetative clearing, CMP proposes to allow vegetation to remain in place to the extent practicable and install appropriate sedimentation controls (Section 14 – Basic Standard Submissions). Furthermore, all the waterbody crossings will be spanned by the NECEC transmission line, and no work will take place within the stream channels. No new poles will be

installed within 25 feet of these waterbodies, and only minimal tree removal is proposed in these stream buffer areas. Vegetation maintenance in the stream buffer areas will consist of only removing those tree species that are capable of growing into the conductor safety zone during the next maintenance cycle (4 years) and that are greater than 10 feet tall at maturity (capable species). Otherwise, stream side vegetation will not be disturbed during construction or during future maintenance activities and the buffer will continue to function in a similar manner as before construction. Future maintenance activities in these areas will consist of hand removal of those capable species that are likely to encroach on the conductor safety zone within the next 4 years. Herbicides will not be used within 25 feet of streams or standing water. Stream buffers are described in the NECEC Construction Vegetation Clearing and Post-Construction Vegetation Management Plans found in **Section 10** (Buffers) of the Site Law Application.

7.6.2.3 American Eel

Potential American eel habitat occurs within waterbodies crossed by the NECEC Project. No in-stream work is proposed as part of the Project, as structures are located on either side of the stream and streams will be entirely spanned, if necessary to cross with equipment. CMP will implement the Construction Vegetation Clearing and Post-Construction Vegetation Management Plans to protect riparian vegetation and buffers. See Section 10 – Buffers, of this Site Law Application, for specific information on the stream buffers and vegetation maintenance practices proposed for riparian zones. Additionally, to protect water quality CMP will implement its Environmental Guidelines (**Exhibit 14-1**), which provides protocols for erosion and sedimentation control as well as access road matting and stream spans.

Exhibit 7-1: Agency Correspondence

Johnston, Lauren A

From: Meehan, Amy <Amy.Meehan@maine.gov>
Sent: Wednesday, May 10, 2017 9:17 AM
To: Johnston, Lauren A
Subject: RE: Data Request – Lauren Johnston
Attachments: QMIzipfile.makezip

Follow Up Flag: Follow up
Flag Status: Completed

Lauren,

Attached are the data you requested from the Maine Department of Inland Fisheries and Wildlife. These data are mapped in Universal Transverse Mercator (UTM) projection, NAD 83, for zone 19N.

These data are provided by the Maine Department of Inland Fisheries and Wildlife solely for your individual use or the use of your company for the purpose stated in your request for the data. These data may not be distributed or sold to other users without the written permission of the Commissioner of the Department of Inland Fisheries and Wildlife.

You will need to change the file extension back to "zip" in order to open the file. Please let me know if you have any problems or questions.

Amy Meehan
Wildlife Biologist
Maine Department of Inland Fisheries and Wildlife
650 State Street
Bangor, Maine 04401
amy.meehan@maine.gov

Correspondence to and from this office is considered a public record and may be subject to a request under the Maine Freedom of Access Act. Information that you wish to keep confidential should not be included in email correspondence.

From: Johnston, Lauren A [mailto:lajohnston@burnsmcd.com]
Sent: Tuesday, May 09, 2017 7:18 AM
To: Meehan, Amy
Cc: Goodwin, Mark; Desson, Leonard R (Len)
Subject: Data Request – Lauren Johnston

Good Morning Amy,

I am requesting IF&W data layers (all) that intersect our project area for the Quebec-Maine Interconnect (QMI) Project. The attached shapefile represents our project area.

Thanks,

Lauren Johnston, CPESC \ Burns & McDonnell
Senior Environmental Scientist
Mobile 207-272-7294 Office 207-517-8483
lajohnston@burnsmcd.com \ burnsmcd.com

27 Pearl Street \ Portland, ME 04101



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United States Department of the Interior



FISH AND WILDLIFE SERVICE

Maine Ecological Services Field Office

P. O. Box A

East Orland, ME 04431

Phone: (207) 469-7300 Fax: (207) 902-1588

<http://www.fws.gov/mainefieldoffice/index.html>

In Reply Refer To:

May 09, 2017

Consultation Code: 05E1ME00-2017-SLI-0579

Event Code: 05E1ME00-2017-E-01091

Project Name: Quebec Maine Interconnect

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies the threatened, endangered, candidate, and proposed species and designated or proposed critical habitat that may occur within the boundary of your proposed project or may be affected by your proposed project. This species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 et seq.).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC Web site at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 et seq.), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having

similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the Endangered Species Consultation Handbook at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

This species list also identifies candidate species under review for listing and those species that the Service considers species of concern. Candidate species have no protection under the Act but are included for consideration because they could be listed prior to completion of your project. Species of concern are those taxa whose conservation status is of concern to the Service (i.e., species previously known as Category 2 candidates), but for which further information is needed.

If a proposed project may affect only candidate species or species of concern, you are not required to prepare a Biological Assessment or biological evaluation or to consult with the Service. However, the Service recommends minimizing effects to these species to prevent future conflicts. Therefore, if early evaluation indicates that a project will affect a candidate species or species of concern, you may wish to request technical assistance from this office to identify appropriate minimization measures.

Please be aware that bald and golden eagles are not protected under the Endangered Species Act but are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 et seq.). Projects affecting these species may require development of an eagle conservation plan: http://www.fws.gov/windenergy/eagle_guidance.html Information on the location of bald eagle nests in Maine can be found on the Maine Field Office Web site: <http://www.fws.gov/mainefieldoffice/Project%20review4.html>

Additionally, wind energy projects should follow the wind energy guidelines: <http://www.fws.gov/windenergy/> for minimizing impacts to migratory birds and bats. Projects may require development of an avian and bat protection plan.

Migratory birds are also a Service trust resource. Under the Migratory Bird Treaty Act, construction activities in grassland, wetland, stream, woodland, and other habitats that would result in the take of migratory birds, eggs, young, or active nests should be avoided. Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at:

<http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm> and at:
<http://www.towerkill.com>; and at:
<http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Maine Ecological Services Field Office

P. O. Box A

East Orland, ME 04431

(207) 469-7300

Project Summary

Consultation Code: 05E1ME00-2017-SLI-0579

Event Code: 05E1ME00-2017-E-01091

Project Name: Quebec Maine Interconnect

Project Type: TRANSMISSION LINE

Project Description: Proposed CMP transmission line from Beattie Township to Pownal and Windsor to Wiscasset.

Project Location:

Approximate location of the project can be viewed in Google Maps:

<https://www.google.com/maps/place/44.722717009714806N70.03484380339984W>



Counties: Androscoggin, ME | Cumberland, ME | Franklin, ME | Kennebec, ME | Lincoln, ME | Sagadahoc, ME | Somerset, ME

Endangered Species Act Species

There is a total of 4 threatened, endangered, or candidate species on your species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area. Please contact the designated FWS office if you have questions.

Mammals

NAME	STATUS
Canada Lynx (<i>Lynx canadensis</i>) Population: Contiguous U.S. DPS There is a final critical habitat designated for this species. Your location overlaps the designated critical habitat. Species profile: https://ecos.fws.gov/ecp/species/3652	Threatened
Northern Long-eared Bat (<i>Myotis septentrionalis</i>) No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045	Threatened

Fishes

NAME	STATUS
Atlantic Salmon (<i>Salmo salar</i>) Population: Gulf of Maine DPS There is a final critical habitat designated for this species. Your location overlaps the designated critical habitat. Species profile: https://ecos.fws.gov/ecp/species/2097	Endangered

Flowering Plants

NAME	STATUS
Small Whorled Pogonia (<i>Isotria medeoloides</i>) No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1890	Threatened

Critical habitats

There are 2 critical habitats wholly or partially within your project area.

NAME	STATUS
Atlantic Salmon (<i>Salmo salar</i>)	Final designated
Canada Lynx (<i>Lynx canadensis</i>)	Final designated

Johnston, Lauren A

From: Perry, John <John.Perry@maine.gov>
Sent: Monday, June 05, 2017 11:47 AM
To: Johnston, Lauren A
Cc: 'gerry.mirabile@cmpco.com' (gerry.mirabile@cmpco.com); Marquis, Adam; Goodwin, Mark; Meehan, Amy; Stratton, Robert D
Subject: RE: MDIF&W Project Review
Attachments: QMIzipfile.zip; FINAL_Performance Standards for DWA in ROW Projects.pdf; FINALPerformance Standards for IWWH in ROW Project.pdf; FINALPerformance Standards SVPs in ROW Projects.pdf; FINALPerformance Standards for Buffers in ROW Projects.pdf; MDIFWResponse_ERid2362_ERVerID2577-FINAL.pdf

Importance: High

Hi Lauren,

Our preliminary comments on resources and habitats of concern are attached. To minimize confusion in the letter, you'll note in our response that we primarily reference that you work with our species specialists, all of whom are located at our Bangor Headquarters--this is because a project of this scale crosses several MDIFW regional jurisdictions, and the reality is that multiple regional fisheries and wildlife biologists will come into play along with the species specialists during the review of this project. We rely on our regional staff for their regional and site-specific knowledge and expertise of the resources within their respective jurisdictions. Given the complexity of resources this project intersects, to hopefully avoid too much confusion as this project develops please continue to contact me with specific questions and I'll see that they get to the appropriate regional and species specialist staff; if you end up emailing someone directly, please also keep me cc'd.

I've also attached a shapefile of your project along with its intersections of our resources of concerns—please contact Amy Meehan (cc'd in this email) with any questions specific to the shapefiles. Attaching a shapefile for a project of this magnitude seems much more efficient than sending dozens of maps and will hopefully allow the designers to better take into account our resources of concern.

It's a lot of information to take in just a couple of days before our first meeting on Wednesday, but hopefully it's a good starting point for conversations! I will be on the road all day tomorrow but if you have any questions prior to the meeting you can reach me at my cell number below.

John

John Perry

Environmental Review Coordinator
Maine Department of Inland Fisheries and Wildlife
284 State Street, 41 SHS
Augusta, Maine 04333-0041
Tel (207) 287-5254; Cell (207) 446-5145
Fax (207) 287-6395
www.mefishwildlife.com



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From: Johnston, Lauren A [mailto:lajohnston@burnsmcd.com]
Sent: Wednesday, May 10, 2017 1:00 PM
To: Perry, John
Cc: 'gerry.mirabile@cmpco.com' (gerry.mirabile@cmpco.com); Marquis, Adam; Goodwin, Mark
Subject: QMI: MDIF&W Project Review

John,

Please find the attached cover letter, project description and map. I've also attached a shapefile to assist in your review. Please contact me if there are any questions or fees associated with this request.

Thank you.

Lauren Johnston, CPESC \ Burns & McDonnell

Senior Environmental Scientist

Mobile 207-272-7294 Office 207-517-8483

lajohnston@burnsmcd.com \ burnsmcd.com

27 Pearl Street \ Portland, ME 04101



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Johnston, Lauren A

From: Johnston, Lauren A
Sent: Wednesday, May 10, 2017 4:12 PM
To: 'McCollough, Mark'; Call, Erynn
Cc: Goodwin, Mark
Subject: RE: QMI Project Review and Data Request- Eagles
Attachments: QMI_Project_Area_2017_05_10.zip

Follow Up Flag: Follow up
Flag Status: Flagged

Thanks for your response Mark.

I've attached the QMI project shapefile in order to map the eagle nest locations within my project impact area. I have completed IPAC and will include those species in my Project Review package.

I will follow-up with Erynn in my pursuit to identify any known eagle nests after 2013.

Burns & McDonnell is in the process of scheduling a pre-application meeting with the DEP, Army Corps and LUPC. Wende Mehaney from USFW as well as John Perry from MDIFW were included on that correspondence.

I will forward the Project Review package when I've compiled all of the required information. I look forward to working with you!

Thanks,

Lauren Johnston, CPESC \ Burns & McDonnell

Senior Environmental Scientist

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From: McCollough, Mark [mailto:mark_mccollough@fws.gov]
Sent: Wednesday, May 10, 2017 3:16 PM
To: Johnston, Lauren A <lajohnston@burnsmcd.com>; Call, Erynn <Erynn.Call@maine.gov>
Cc: Goodwin, Mark <magoodwin@burnsmcd.com>
Subject: Re: QMI Project Review and Data Request- Eagles

Lauren:

Thank you for your request. The Maine Field Office's Bald Eagle Locator tool largely reflects our knowledge of eagle nest locations through 2013 when the Maine Department of Inland Fisheries and Wildlife last conducted a statewide eagle nest survey. I think it would be most efficient if you sent me a shapefile of your proposed

project area (either the towns mapped in the attached figure or some buffer to the proposed transmission line) that I will forward to our GIS expert to map eagle nests and provide this information back to you.

I suspect that you have found our IPaC data system through the Maine Field Office website and have developed a list of other Federal-listed species and critical habitats that may occur in your project area.

Maine Inland Fisheries and Wildlife has continued to record locations of eagle nests that are recorded anecdotally after the 2013 survey. I would suggest that you contact Erynn Call at MDIFW. I've copied her on this email.

I don't recall the dates of the eagle surveys associated with the MPRP project. If after 2013, then you may know of new eagle nest locations that are not mapped on our eagle nest locator tool.

I am also copying Tom Wittig, the Service's (relatively) new Bald and Golden Eagle Act Coordinator in Hadley, MA.

We look forward to receiving your project package. Let us know if you when you are ready to meet with USFWS.

Sincerely, Mark McCollough

On Wed, May 10, 2017 at 12:58 PM, Johnston, Lauren A <lajohnston@burnsmcd.com> wrote:

Good afternoon Mark,

I'm contacting you in regards to a Project Review for the Quebec-Maine Interconnect (QMI) Project proposed by Central Maine Power (CMP). On behalf of CMP, Burns & McDonnell is preparing the state and federal permit applications. In preparation for these applications, I am reviewing the requirements under the ESA-Section 7. I will be preparing a Species Summary Table to submit to your office as part of the project review package. Attached is a Project Description and Map.

I am using the Maine Field Office's Bald Eagle Map Tool to try to determine the presence of bald eagle nests on or within the vicinity of the proposed QMI corridor. Extensive nest surveys were completed prior to and during periods of active construction of the MPRP. Portions of the proposed QMI will be co-located within the same corridor and I expect we will have some interaction the same nests as well as possibly some newly identified ones using existing GIS data.

Can you provide a geo-database or shapefile for the current known nest locations within our project area, or alternatively, I could provide a shapefile to you for this assessment. Since this project covers a large distance with multiple components, overlaying this information on the map will help to provide for a more accurate depiction of nest locations.

Thanks for your help on this matter. Please contact me if you have any concerns!

Lauren Johnston, CPESC \ Burns & McDonnell

Senior Environmental Scientist

Mobile 207-272-7294 Office 207-517-8483

lajohnston@burnsmcd.com \ burnsmcd.com

27 Pearl Street \ Portland, ME 04101



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--
PLEASE NOTE THAT OUR OFFICE ADDRESS AND PHONE HAVE CHANGED

**Mark McCollough, Ph.D.
Endangered Species Specialist
US Fish and Wildlife Service
Maine Fish and Wildlife Service Complex**

**Ecological Services
Maine Field Office
P.O. Box A (mailing address)
306 Hatchery Road (physical address)
East Orland, Maine 04431
Telephone: (207) 902-1570
Fax: (207) 902-1588
Cell Phone: 207 944-5709
mark_mccollough@fws.gov**

Johnston, Lauren A

From: Johnston, Lauren A
Sent: Tuesday, May 30, 2017 10:15 AM
To: 'Perry, John'
Subject: RE: QMI GIS Shapefile
Attachments: QMI_Project_Area_2017_05_30.zip

Follow Up Flag: Follow up
Flag Status: Flagged

Hi John,
Please find the most recent shapefile. Please let me know if you continue to have missing information.
Thanks!

Lauren Johnston, CPESC \ Burns & McDonnell

Senior Environmental Scientist

Mobile 207-272-7294 Office 207-517-8483

lajohnston@burnsmcd.com \ burnsmcd.com

27 Pearl Street \ Portland, ME 04101



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From: Perry, John [mailto:John.Perry@maine.gov]
Sent: Tuesday, May 30, 2017 9:56 AM
To: Johnston, Lauren A <lajohnston@burnsmcd.com>
Subject: RE: QMI GIS Shapefile

Hi Lauren,

We do not have the Coopers Mills to Maine Yankee segment, and we do not have Auburn to Surowiec.

Thanks!!

John

John Perry

Environmental Review Coordinator

Maine Department of Inland Fisheries and Wildlife

284 State Street, 41 SHS

Augusta, Maine 04333-0041

Tel (207) 287-5254; Cell (207) 446-5145

Fax (207) 287-6395

www.mefishwildlife.com



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From: Johnston, Lauren A [<mailto:lajohnston@burnsmcd.com>]

Sent: Friday, May 26, 2017 2:41 PM

To: Perry, John

Subject: QMI GIS Shapefile

Good afternoon John,

I am following up regarding the QMI GIS shapefile. You mentioned in the Pre-application meeting that you were missing some project boundaries in the shape that we sent previously to you. Can you describe what you are missing? I'll follow-up with GIS to make sure it does not have any deficiencies.

Thanks!

Lauren Johnston, CPESC \ Burns & McDonnell

Senior Environmental Scientist

Mobile 207-272-7294 Office 207-517-8483

lajohnston@burnsmcd.com \ burnsmcd.com

27 Pearl Street \ Portland, ME 04101



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PAUL R. LEPAGE
GOVERNOR

STATE OF MAINE
DEPARTMENT OF
INLAND FISHERIES & WILDLIFE
284 STATE STREET
41 STATE HOUSE STATION
AUGUSTA ME 04333-0041

CHANDLER E. WOODCOCK
COMMISSIONER

June 5, 2017

Lauren Johnston
Burns & McDonnell
27 Pearl Street
Portland, ME 04101

RE: Information Request - Quebec-Maine Interconnect Project

Dear Lauren:

Per your request received May 10, 2017, we have reviewed current Maine Department of Inland Fisheries and Wildlife (MDIFW) information for known locations of Endangered, Threatened, and Special Concern species; designated Essential and Significant Wildlife Habitats; and fisheries habitat concerns within the vicinity of the *Quebec-Maine Interconnect Project*. Note that as project details are lacking our comments are non-specific and should be considered preliminary. Finally, given the scale of this project (it intersects with multiple MDIFW Regions) we encourage you to continuously seek feedback from our Agency as your project develops.

Our Department has not mapped any Essential Habitats that would be directly affected by your project.

Endangered, Threatened, and Special Concern Species

Bats

Of the eight species of bats that occur in Maine, the three *Myotis* species are protected under Maine's Endangered Species Act (MESA) and are afforded special protection under 12 M.R.S §12801 - §12810. The three *Myotis* species include little brown bat (*M. lucifugus*, State Endangered); northern long-eared bat (*M. septentrionalis*, State Endangered); and eastern small-footed bat (*M. leibii*, State Threatened). The five remaining bat species are listed as Special Concern: big brown bat (*Eptesicus fuscus*); red bat (*Lasiurus borealis*), hoary bat (*Lasiurus cinereus*), silver-haired bat (*Lasionycteris noctivagans*), and tri-colored bat (*Perimyotis subflavus*).

While a comprehensive statewide inventory for bats has not been completed, it is likely that several of these species occur within the project area during migration and/or the breeding season. Generally, our Agency does not anticipate significant impacts to any of the bat species as a result of this project; however, ongoing MDIFW research is indicating that habitat features such as rocky features, outcrops, and talus slopes represent increased concerns for *Myotis* bats. As this project develops, please consult with MDIFW small mammal biologist Cory Mosby (207-941-4473) so that avoiding impacts to these rocky habitat features and/or possible acoustic monitoring are taken into consideration during project design.

Finally, we recommend that you contact the U.S. Fish and Wildlife Service--Maine Fish and Wildlife Complex (Wende Mahaney, 207-902-1569) for further guidance, as the northern long-eared bat is also listed as a Threatened Species under the Federal Endangered Species Act.

Northern bog lemming

Our Agency's traditional view of northern bog lemmings, a State Threatened Species under MESA, is that they typically occur in moist, wet meadows or boggy areas, often in conjunction with arctic or alpine tundra and spruce-fir forests at elevations >2,700 feet. However, new encounters from northern Maine have changed our understanding of the distribution and habitat requirements of the species. Those data indicate lush sphagnum peatlands at almost any elevation are sometimes used. In addition, research in New Brunswick indicates that northern bog lemming may not only be restricted to wetlands with sphagnum mats; northern bog lemmings have been found in New Brunswick associated with riparian areas with no sphagnum present. Based on this information the species may be found in Maine at any riparian area with abundant streamside herbaceous vegetation at elevations around 1,000 feet.

As your project continues to undergo design, please consult with MDIFW small mammal biologist Cory Mosby (207-941-4473) for site-specific planning and the need for possible surveys for this species in the northern segment of your project.

Rare mussels

Several species of rare mussels have been documented along the proposed transmission line corridor including the brook floater (State Threatened); the yellow lampmussel (State Threatened); the tidewater mucket (State Threatened); and the creeper (Special Concern). These rare animals have experienced significant declines throughout their ranges, with many populations being extirpated due to low population densities, fragmented distributions, and limited or no evidence of recruitment. Because they require clean, free-flowing riverine habitat, they are especially vulnerable to impacts from pollution, sedimentation, dams, and surrounding land use practices that degrade or alter its aquatic habitat. As riparian clearing or construction, including stream crossings, are presumably being considered as part of this project we recommend that riparian buffers remain intact to at least 100-foot wide in rare mussel-bearing water courses. Within these 100-foot buffers we further recommend that:

- only capable species >8-10 feet tall would be cut (i.e., no other vegetation is cut);
- herbicide use would not be allowed;
- avoid and minimize pole placement;
- prohibit equipment in the stream channels (i.e., must cross on temporary bridges)

Please contact Beth Swartz in our Bangor office (207-941-4476) to discuss project details and the potential need for possible surveys for these species.

Roaring Brook Mayfly

Roaring Brook mayfly, a State-listed Threatened Species, is known to be in the northern portions of the project area. Any instream work in unmapped perennial or intermittent streams has the potential to

impact this species. They can occur in high elevation, perennial headwater streams draining off forested (hardwood or mixed) slopes at or above 1,000 feet (including unmapped streams) within or adjacent to the currently documented range (northern Appalachian Mountain Range, stretching from Mt. Katahdin to western border with New Hampshire and Quebec). Please contact Beth Swartz in our Bangor office (207-941-4476) to discuss project details and the potential need for possible surveys for these species.

Northern Spring Salamander

Northern spring salamanders, a State-listed Species of Special Concern, are known to be in the northern portions of the project area. Any instream work in unmapped perennial or intermittent streams has the potential to impact this species (i.e., high elevation headwater streams) but they are also found in larger third order streams and rivers with suitable substrate (large cobble and/or gravel bars) within the documented range of primarily the western Maine mountains north and east into mountains of central Penobscot County. Please contact Beth Swartz in our Bangor office (207-941-4476) to discuss project details and the potential need for possible surveys for these species.

Canada lynx

Canada lynx are listed as a Species of Special Concern in Maine and are known to be in the northern portions of the project area. As Canada lynx are listed as a Threatened species under the Federal Endangered Species Act, MDIFW will defer recommendations to the U.S. Fish and Wildlife Service.

Bicknell's thrush

Portions of the northern project search area intersect with occurrences of Bicknell's Thrush, a Species of Special Concern. Bicknell's thrush can be found in sub-alpine forests usually dominated by balsam fir and red spruce at elevations around 2,700 feet that typically have a history of disturbance resulting in a stunted dense understory. Because breeding individuals are known to abandon their nests as a result of even the most miniscule disturbance, please consult wildlife biologist Adrienne Leppold (207- 941-4482) with the Bird Group at our Bangor Headquarters for site-specific planning and the need for possible surveys for this species in the northern segment of your project.

Rusty blackbird

Portions of the northern project search area intersect with occurrences of rusty blackbird, a Species of Special Concern. Please consult with wildlife biologist Adrienne Leppold (207- 941-4482) with the Bird Group at our Bangor Headquarters for site-specific planning and the need for possible surveys for this species in the northern segment of your project.

Great Blue Herons

The great blue heron is a State Species of Special Concern due to a 64% decline in the coastal breeding population observed from 1983 to 2009. Since 2009, MDIFW has been monitoring the statewide population to determine if the decline seen along the coast is also occurring statewide. Not all great blue heron colonies have been mapped in Maine; therefore, please contact wildlife biologist Danielle D'Auria

(207- 941-4478) with the Bird Group at our Bangor Headquarters for further guidance as well as the need for possible surveys along the length of your project.

Bald Eagle/Raptors

Bald eagles are federally protected by the Bald and Golden Eagle Protection Act, the Migratory Bird Treaty Act, and the Lacey Act under the U.S. Fish and Wildlife Service (USFWS). The USFWS has management authority over eagles; therefore, we recommend that you contact the USFWS Maine Fish and Wildlife Complex at (207) 469-7300 for guidance to avoid or minimize impacts to this species. However, MDIFW staff works closely with the USFWS on the protection of this species, as well as for the protection of raptors in general. Therefore, we recommend that you contact MDIFW raptor specialist Erynn Call (207-941-4481) for further guidance to minimize potential impacts to these species.

Wood turtle

Occurrences of wood turtle, a State Species of Special Concern, have been documented within the search area of the proposed project. Wood turtles use a mix of aquatic and terrestrial habitats throughout the year including meadows, shrub thickets, farmland, and deciduous forests as well as bogs, forested wetlands, vernal pools, and streams. Generally this species appears to prefer edge-associated terrestrial habitats as riparian areas and forest-opening edges have dense shrubbery or ground cover for protection and food, and provide open areas for basking to regulate their body temperature. We recommend that you contact wildlife biologist Derek Yorks (207- 941-4475) with our Reptile, Amphibian, and Invertebrate Group for any site-specific data for your project, as well as the need for possible surveys for this species.

Other Rare Invertebrate Species

Given the various locations and scale of the project other rare species of invertebrates, including the scarlet bluet butterfly and possible rare dragonfly species, could found within the project area. Please contact wildlife biologist Phillip deMaynadier (207- 941-4239) with our Reptile, Amphibian, and Invertebrate Group to discuss project details and the potential need for possible surveys for these species.

American eel

Many of the ponds and streams in the project area contain American eel, which are a Species of Special Concern in Maine. In general, the preferred instream work window of July 15 through October 1 along with construction Best Management Practices should minimize impacts to the species.

Significant Wildlife Habitat

Deer Wintering Areas

Several mapped Deer Winter Areas (DWAs) occur within the project review study area. DWAs contain habitat cover components that provide conditions where deer find protection from deep snow and cold

wind which is important for overwinter survival. MDIFW recommends that development projects be designed to avoid losses or impacts to the continued availability of coniferous winter shelter. Any removal of vegetation should be conducted in such a way that improves the quality and vigor of the coniferous species providing this winter shelter. Particularly in the northwestern segment of the project, any clearing within the project area corridor could severely limit deer's ability to get across the right-of-way (ROW) to the other side of the DWA and could be a complete barrier during significant snow. MDIFW has explored avoidance in minimization efforts with various wind power applicants whose generation lines intersected with DWAs including full avoidance (altering the path of the proposed ROW), feathering of trees, and the use of much larger structures to span the DWAs, thus allowing vegetative cover and their value to remain intact. Throughout the design phase we recommend that you refer to the attached Recommended Performance Standards for Deer Wintering Areas in Overhead Utility ROW Projects (March 2012).

Inland Waterfowl and Wading Bird Habitats

This project intersects or appears to be immediately adjacent to several Inland Waterfowl and Wading Bird Habitats (IWWHs). These habitats provide important breeding, feeding, migration, staging, and wintering habitat for waterfowl and wading bird species. High and moderate value IWWHs within the study area includes both the wetland complex and a 250-foot upland zone. We recommend that these resources be avoided, including no clearing within the 250-foot undisturbed buffer from the wetland edge. Please contact our Agency for guidance to minimize the impacts to these important resources. Throughout the design phase we recommend that you refer to the attached Recommended Performance Standards for Inland Waterfowl and Wading Bird Habitats in Overhead Utility ROW Projects (March 2012).

Significant Vernal Pools

This project intersects with several mapped Significant Vernal Pools; however, a comprehensive statewide inventory for Significant Vernal Pools has not been completed. Surveys for vernal pools in the project boundary will need to be conducted prior to final project design to determine whether there are other Significant Vernal Pools present. Once surveys are completed, our Department will need to verify vernal pool data sheets prior to final determination of significance. Please contact Beth Swartz in our Bangor office (207-941-4476) to discuss project details and survey needs. Throughout the design phase we recommend that you refer to the attached Recommended Performance Standards for Maine's Significant Vernal Pools in Overhead Utility ROW Projects (March 2012).

Fisheries Habitat Concerns

Most of the streams, rivers, and ponds within the project boundary support wild brook trout. MDIFW recommends that 100-foot riparian buffers be maintained along all waterbodies, including intermittent and ephemeral streams, within the project area. To be effective, these 100-foot buffers should be measured from the upland edge of stream or associated fringe and floodplain wetlands. Maintaining buffers along coldwater fisheries is critical to the protection of water temperatures, water quality, and inputs of coarse woody debris necessary to support conditions required by brook trout. Stream crossings should be avoided, but if a stream crossing is necessary it should be designed to provide adequate fish passage. Generally, MDIFW recommends that all new and replacement stream crossings, including

temporary crossings, be sized to span 1.2 times the bankfull width of the stream. In addition, we generally recommend that any permanent stream crossings be open bottomed (i.e. natural bottom), although embedded structures which are backfilled with representative streambed material have been shown to be effective in not only providing habitat connectivity for fish but also for other aquatic organisms. Construction Best Management Practices should be closely followed to avoid erosion, sedimentation, alteration of stream flow, and other impacts to stream habitat. In addition, we recommend that any necessary instream work occur between July 15 and October 1. Finally, throughout the design phase we recommend that you refer to the attached Recommended Performance Standards for Riparian Buffers in Overhead Utility ROW Projects (March 2012).

This consultation review has been conducted specifically for known MDIFW jurisdictional features and should not be interpreted as a comprehensive review for the presence of other regulated features that may occur in this area. Prior to the start of any future site disturbance we recommend additional consultation with the municipality, and other state resource agencies including the Maine Natural Areas Program and Maine Department of Environmental Protection in order to avoid unintended protected resource disturbance.

Please feel free to contact my office if you have any questions regarding this information, or if I can be of any further assistance.

Best regards,

A handwritten signature in blue ink, appearing to read 'John Perry', with a stylized flourish at the end.

John Perry
Environmental Review Coordinator

Johnston, Lauren A

From: Johnston, Lauren A
Sent: Tuesday, July 18, 2017 12:07 PM
To: 'Cordes, Robert'
Cc: Perry, John; Goodwin, Mark (magoodwin@burnsmcd.com); 'Stratton, Robert D'
Subject: RE: QMI Deer Wintering Areas: Regions D and E
Attachments: Avangrid_QMI_Project_Components_2017_05_10.kmz; Exhibit 7-3 DWA.xlsx

Hi Bob,

Thanks for your reply. Attached is a KMZ of the project components for NECEC (formerly QMI) for you to use in your review.

We have reviewed the DWA layer from the ME GIS data catalog (updated 8/1/2011) and the project intersects with 5 DWA's between Moscow and Farmington. The GIS data does not have any occurrences north of Moscow. If you could provide location information for any north of Moscow or any others in which we have not accounted for (table attached), we will include this in our permit application.

Thanks again for your assistance and please contact me if you have any additional questions or need more information.

Lauren Johnston, CPESC \ Burns & McDonnell

Senior Environmental Scientist

Mobile 207-272-7294 Office 207-517-8483

lajohnston@burnsmcd.com \ burnsmcd.com

27 Pearl Street \ Portland, ME 04101



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From: Cordes, Robert [mailto:Robert.Cordes@maine.gov]

Sent: Tuesday, July 18, 2017 9:59 AM

To: Johnston, Lauren A <lajohnston@burnsmcd.com>

Cc: Perry, John <John.Perry@maine.gov>

Subject: RE: QMI Deer Wintering Areas: Regions D and E

Laura,

A kmz file might be helpful to put a map together for you. Your proposed line does cross a LUPC zoned DWA in Moxie Gore, which runs along the Kennebec Gorge. Also, as we discussed via email a couple weeks ago, there is a non-zoned DWA in West Forks Pt. associated with Cold Stream and the Kennebec Gorge. It also looks like the proposed corridor potential intersects with several DWAs south of Moscow, including a LUPC zoned DWA in Concord Twp.

Bob

Robert C. Cordes

Asst. Regional Wildlife Biologist

MDIFW - Region D

689 Farmington Rd.
Strong, ME 04983

207-778-3324 ext. 24

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From: Johnston, Lauren A [<mailto:lajohnston@burnsmcd.com>]
Sent: Thursday, June 29, 2017 8:57 AM
To: Kane, Douglas; Cordes, Robert
Cc: Perry, John; Goodwin, Mark
Subject: QMI Deer Wintering Areas: Regions D and E

Good Morning Doug and Bob,

I am looking at the mapped DWA's along the proposed route for the Quebec-Maine Interconnect (QMI) transmission line project. The Maine GIS data catalog layer identifies 21 DWA's along the route. The most northerly one is in Moscow, with no occurrences between Beattie Twp and Moscow. Are you aware of any unmapped DWA's in your regions that may intersect with our transmission line and which we should consider in our assessment?

Attached is the project map of the current route alignment. I also have a KMZ available if that would help with your assessment. Let me know if you'd like me to forward it or need any other information.

Thanks,

Lauren Johnston, CPESC \ Burns & McDonnell

Senior Environmental Scientist

Mobile 207-272-7294 Office 207-517-8483

lajohnston@burnsmcd.com \ burnsmcd.com

27 Pearl Street \ Portland, ME 04101



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MEMORANDUM OF CONVERSATION New England Clean Energy Connect (NECEC)

Contact: *Wende Mehaney and Mark McCollough*
Title: *Biologists*
Affiliation: *USFWS*
Date: *June 6, 2017*

Attendees: *Lauren Johnston, BMCD*
Wende Mehaney, USFWS
Mark McCollough, USFWS

Discussion:

Lauren Johnston contacted Wende Mahaney and Mark McCollough in preparation for the Interagency Resource Consultation Meeting to be held on June 7, 2017. Lauren indicated the purpose of this discussion was how to best prepare for the upcoming meeting. Lauren stated that she created a table for all concern areas and species. She indicated that the meeting would likely be structured by going through each species for general discussion.

Wende and Mark provided a summary of what they would likely be discussing in the next day's meeting.

Mark discussed the following topics and details:

- Canada Lynx-
 - Federally listed but not state listed.
 - Want to look at effect that clearing will have on critical habitat.
 - We only have a few wind power projects to look at as examples.
 - Suggested that an analysis of different habitat types with in the corridor be conducted, specifically looking for spruce-fir, acreage, forest condition (young vs. old).
 -
- Small whorled pogonia
- Bald eagle

Wende discussed the following topics and details:

Northern Long-eared bat

- Atlantic Salmon

Mark discussed bumblebees.

- Rusty Patch bumblebee
- Yellow banded bumble bee

Vernal pools were generally discussed by the group.

MEETING MINUTES
QMI Wildlife and Fisheries Consultation Meeting

Contact: Mark Goodwin
Title: Environmental Manager - Burns & McDonnell
Date: June 7, 2017
Time: 9:00am-11:30am
Location: CMP, Augusta

Attendees:

Gerry Mirabile- CMP
Adam Marquis-CMP
Mark Goodwin- Burns & McDonnell
Lauren Johnston- Burns & McDonnell
Bob Stratton- MDIFW
John Perry- MDIFW
John Mclaire- MDIFW
Don Cameron- MNAP
Jay Clement- USACE
Mark McCollough- USFWS
Wende Mahaney- USFWS

Sign-in sheet and meeting agenda attached

Discussion:

The meeting began with introductions. Department of Energy (DOE) representative has not been identified as of the date of this meeting. DOE will likely be the lead agency for Section 7 consultation, however that will be determined in the Presidential permit pre-submission meeting. Jay Clement has requested attendance to this meeting.

A summary of information received to date from the agencies was provided by Lauren Johnston (BMCD).

- USFWS has provided shapefile for bald eagle nest locations. Wende Mehaney (USFWS) stated that this project does not need follow the “step process” identified on the USFWS website or submit a “species summary table” since we will be making regular contact during the consultation process. Burns & McDonnell has obtained the Official Species List.
- MDIFW has provided a shapefile which contains: DWA, SVP buffers, riparian buffers, WWH, and RTE. Also received was an Information Request response letter (dated June 5, 2017) with enclosed Recommended Performance Standards for Riparian Buffers, SVPs, IWWH, and DWA (dated March 26, 2012).

- MNAP has provided a shapefile which contains botanical features documented within 1,000-feet of the QMI transmission line as well as a letter response (dated June 6, 2017).

Boyle Associates has completed delineation and field verification surveys for wetlands and vernal pools. GIS information for all delineations and verifications will be submitted. Data sheets will be submitted for all pools. MDIFW asked to BMCD to provide 2017 Resource Delineation Protocol (including previously mapped resources). MDIFW would like the data sheets submitted as soon as possible and noted that they can be submitted in smaller batches so they can begin review and determination of significance. MDIFW stated that vernal pool determinations will take the most time so getting started as soon as possible is beneficial.

Wildlife discussions were provided by each agency as follows:

USFWS: Mark McCollough and Wende Mehaney

Canada Lynx

- Critical habitat (CH) includes the greenfield line from the Quebec border to a location near The Forks.
- Section 7 review area is broader than the CH area (two differently mapped areas). USFWS will provide a GIS shapefile for this.
- A biological assessment (BA) should be considered for the lynx (and all federally listed species in the project area). The federal agency is responsible for the BA however it is often applicant prepared.
- Likely no survey would be needed as lynx are presumed to be in the project area.
- There is existing survey information from MDIFW and it is recommended that we compile this. They have information regarding documented occurrences for the past few years. Contact Jen Vashon (MDIFW).
- The BA should include effects of clearing on CH. Should include total area cleared, how much spruce/fir habitat to be cleared, how much young vs old spruce/fir habitat to be cleared. There is a high population of snowshoe hare associated with young spruce/fir habitat.
- To determine presence of lynx habitat (ie young spruce/fir stands) we could obtain “stand maps” from landowners or complete a habitat analysis based on aerial photography images. USFWS can provide guidance and protocols for the desktop analysis.
- Scientific literature indicates that Canada Lynx are reluctant to cross 300-feet of cleared area. BMCD noted that the greenfield portion of transmission line will be cleared to a width of 150-feet and in collocated corridors, the width will not exceed 225-feet in most locations. BA should include some information regarding lynx movement and areas to be cleared.
- BA should include vegetation management standards and the conditions of the ROW post-construction.
- John Perry (MDIFW) will provide contact information for Jen Vashon who is the Lynx biologist at MDIFW. BMCD to contact Jen for survey data and recommendations.

- John Perry noted that MDIFW asked for track surveys during winter conditions for the Number 9 wind farm project.

Eagles

- *Bald Eagles*
 - Bald eagles/golden eagles are protected by the Eagle Act. Setback is 660-feet from the bald eagle nest.
 - If CMP needs to pursue a Take Permit, it will take some time.
 - Last survey effort for bald eagles was in 2013.
 - GIS data provided by USFW has a buffer of 3-miles.
 - Eagles are most likely to be found within ¼ mile of a large wetland or waterbody.
 - Surveys will need to be conducted for the whole line but we should identify areas more likely to contain nest sites.
 - Marker balls are a minimization measure for areas near the eagle nests.
 - Contact Charlie Todd (MDIFW) for survey guidance.
 - Two surveys are recommended: one when the eagles are starting to nest and one when the chicks have hatched.
 - Prior to survey, we should draft a scope of work (SOW)/work plan and provide to USFWS for review.
 - Timing of the survey dates for will vary because of the range of the project. In the south the target date for surveys will be mid-March. In the north, the target date for surveys will be in April. A second survey should be conducted two months afterwards.
- Golden eagles
 - USFWS did not include golden eagle occurrences in GIS shapefile
 - Northern portion of the project has historic nest locations.
 - Look at MDIFW database for historic nest locations and contact Charlie Todd (MDIFW) for recommendations
 - Cliff faces may provide nest sites
 - Bob Stratton (MDIFW) indicated that one mapped golden eagle location on MDIFW is 5-miles from the project area.
 - No known nesting pairs in the state since 2001. There is one radio tagged eagle (currently deceased) with data that we may want to consider.
 - If peregrine falcons are present, eagles are often absent.

Northern Long-eared bat

- Federally and state listed
- USFWS has streamlined consultation process which assumes presence.
- Streamlined consultations has no requirements for surveys (surveys are optional)
- If CMP decides to do surveys, USFWS can provide a survey protocol.
- MDIFW stated that clearing is generally not an issue and they also don't require surveys.

- John Perry (MDIFW) indicated that Cory Mosby (MDIFW Small mammal biologist) may have some heightened concern around any rocky features, talus slopes and we should discuss surveys and acoustic monitoring recommendations near any similar potential habitat areas..
- Mark Goodwin (BMcD) discussed modifying in corridor access and structure location to avoid habitat.
- Aerial imagery work to identify rocky features and talus slopes may be recommended in consultation.
- Wende Mehaney (USFWS) indicated that time of year restrictions (TOYR) are not required by USFWS; however, the federal action agency may require TOYRs.
- USFWS recommends winter clearing and the action agency will likely encourage the applicant to agree to no clearing between June 1 and July 31.
- For the streamlined process USFWS will need to know total acreage of tree clearing.
- An Incidental Take permit (ITP) is an option if there is known bat activity in the vicinity of the project. ITP's are voluntary if there is a potential take and may provide a level of liability to CMP.
- The status of the Northern long-eared bat could change to endangered and the 4(D) rule would no longer be applicable. This may be a consideration for longer term projects.
- Bat surveys are good for 3 years.

Atlantic Salmon

- During MPRP we avoided in-stream crossings, access for QMI is still being developed.
- QMI project area is in the Gulf of Maine Distinct Population Segment (GOM DPS) and Critical Habitat (CH). CH is a subset GOM DPS.
- Identify stream crossings in a table and whether each stream is DPS/CH or coldwater fisheries (MDIFW).
- Direct effects are work in streams, permanent or long-term crossings. Indirect effects are clearing, erosion and sediment control (E&S).
- Informal consultation for the ESA is driven by a No effect or Not likely to affect finding. Generally, in-stream crossings in streams with known presence of salmon will trigger a formal consultation.

Rusty Patch bumblebee

- New listing
- Found west of Penobscot Bay
- Not found near the project area, however surveys continue this summer and it is possible that a survey could find the species near the project.
- No survey would be required at this point.

Yellow-banded bumblebee

- Proposed for federal listing and a determination is planned for 2018.
- Surveys have found this species in the southern half of the state.

- Beth Swartz (MDIFW) is a resource for both species and has a statewide bumblebee atlas for survey data.
- Mark McCollough stated that surveys are simple and it might make sense to voluntarily do this prior to the decision.
- Options for mitigation include creation of pollinator habitat within the ROW.

Small Whorled Pogonia (USFWS and MNAP)

- Maps include a large geographic area.
- Applicants are to provide information to the federal agency for potential of species presence and determination of effect.
- Aerial photography analysis or onsite visits should be conducted to provide the agency with a habitat assessment and a determination of likelihood of presence.
- MNAP is testing a prototype of a predictive habitat model to help narrow down areas to focus survey areas.
- Don Cameron (MNAP) provided the survey protocol to Burns & McDonnell.
- Survey protocol has elimination criteria.
- Don indicated that he will work with CMP or a consultant to refine the search area to determine areas where the species may be supported.
- Survey timing: mid-June to end of September. Surveys could be completed this summer based on this window.
- Don recommends that surveys areas extend an additional 150-feet beyond the cleared ROW.
- The small whorled pogonia is found in forested locations so it would not be found in already cleared ROW.

MNAP: Don Cameron

- Don suggested that existing rare plant sites identified/surveyed through MPRP should be revisited.
- If completed revisits, all rare plant work could be considered acceptable with some new guidance regarding newly cleared areas. The northern portion of the project is not an area that has a high occurrence of documented rare plant species.
- Areas that are determined to have a higher potential for rare plants should be surveyed.
- The project intersects with one natural community: Upper Floodplain Hardwood Forest in Anson. Gerry noted that this community is rated CD. Don indicated that impact to this natural community is not a deal breaker, however it needs to be clarified as an impact. Don stated that ranking would influence MNAPs interest.
- Art Gilman and TRC (for MPRP) came up with a protocol for landscape analysis to identify potential hotspots for rare species or unmapped natural communities.
- In determining which areas to look at or which to consider hotspots, work with MNAP.

MDIFW: John Perry, Bob Stratton, John McLaine

John Perry noted to make sure we are including the regional biologists in all correspondence as well as the biological specialists identified in the Information Request response letter dated June 5, 2017.

Bats

- Additional details regarding bats were discussed prior and discussions apply to the state listed species.
- Three additional bats are protected under the Maine Endangered Species Act (MESA) and four are listed as Special Concern.
-

North Bog Lemming

- Occurrences of the North Bog Lemming did not get captured by the GIS shapefile provided by MDIFW.
- Found at elevations above 2700-feet, however new research shows it may be found in areas above 1,000-feet.
- DNA sampling can be used to verify presence/absence.
- Cory Mosby (MDIFW) should be consulted.

Rare mussels

- Setbacks are a standard recommendation. Look to avoid impacts by spanning streams and protection of riparian habitat.
- Consult with Beth Swartz (MDIFW). Beth has documentation of known occurrences.

Roaring Brook Mayfly

- Can occur in any of our streams in the northern portion of the project.
- Occurs in elevations of 1,000-feet or higher.
- Similar habitat to the Northern Spring Salamander. Beth Swartz is the contact for both species.

Northern Spring Salamander

- Discussed in tandem with the Roaring Brook Mayfly.

Bicknell's Thrush

- Found in subalpine spruce forest.
- MNAP indicated they have mapped locations of subalpine spruce forest habitat.
- This species is very habitat dependent and is tied to the 2700-foot elevation, however have been found as low as 2400-feet.
- USFWS is in process of determining potential listing under the ESA.
- Bob Cordos (MDIFW Region D) and Adrienne Leppold (MDIFW Bird Group) should be contacted.

Rusty blackbird

- Similar habitat requirements to the Bicknell's Thrush.

Great Blue Heron

- Consider marker balls at line crossing near feeding areas.
- MDIFW may request aerial surveys for unmapped colonies.
- Timing for surveys does not align with bald eagle survey timing.
- Contact Danielle D’Auria (MDIFW) for consultation.

Wood Turtle

- Derek Yorks (MDIFW) will have up to date information.
- Minimal concern but dependent on known hotspots a survey may be recommended.
- Surveys may be warranted prior to or during construction phase.

Other rare invertebrates

- The list provided by MDIFW may not capture all recent occurrence.
- It is advised that we contact Phillip deMaynadier for up to date information.

Eel

- The concern is in-stream work. Any measures to protect streams will protect the eel.

Deer wintering area (DWA)

- In the northern portion of the project, DWAs are very important.
- We should rely on the regional biologist in the northern section for consultation regarding mapped DWAs.
- The project should seek to avoid if it’s a particularly critical DWA.
- Spanning the DWA or feathering of trees have been used as mitigation measures.
- In higher elevations, clearing of trees could become a barrier for deer.
- Project alignment should attempt to avoid bisecting DWA where practicable.

Inland waterfowl and wading bird habitat (IWWH)

- Setbacks in riparian areas have increased to 250-feet for some IWWH.
- IWWH mapped on aerial imagery may not be field verified.
- High value IWWH should be avoided if possible.
- Marker balls are likely to be recommended near the IWWH.

Significant Vernal Pools (SVP)

- Start sending data sheets to Beth Swartz.
- Making determinations on new pools will be the biggest time issue.
- BMCD to contact Beth Swartz to talk about the best way to get them to her and coordination with Boyle.

Fisheries

- Stream crossings are still being determined by CMP.
- Likely no permanent stream crossings.
- MDIFW to provide brook trout GIS layer.
- Most streams in the northern section have native brook trout.
- MDIFW has concerns regarding riparian buffer clearing and leaving vegetation intact (except for capable species).
- Temperature change (insolation) and wood debris input should be considered as well as erosion control.

General Discussion

- MDIFW asked if there was a Bureau of Public Lands (BPL) intersect? BMCD to follow-up.
- MDIFW asked if there was an intersect with the Coldwater parcel. The route may run along the border of this parcel. MDIFW will provide map. BMCD to follow-up.
- Invasive species list for MPRP was reviewed by Don Cameron (MNAP). Jay Clement suggested that BMCD look at the invasive species list on the ACOE website.
- Mark McCollough brought up staging areas and whether the siting of those areas required any additional clearing. MPRP utilized already improved areas for laydown yards so no clearing was needed. We will need to evaluate this for QMI.
- John Perry (MDIFW) mentioned the Bigelow route alternative. This alternative has some issues because it goes through an old growth forest and intersect with BPL.
- MDIFW noted that site visits are encouraged with regional staff. The earlier we reach out the better will result in minimal surprises after the application is submitted.
- USFWS requested that as soon as we have contact with DOE, the lead for Section 7 should be determined.
- DOE may have specifics regarding what they require for BAs. USFWS has a protocol they worked out with Jay Clement but DOE may differ.

Action Items:

BMCD follow up items:

- Provide agencies a copy of 2017 Resource Delineation Protocol (including previously mapped resources)
- Submit vernal pool data sheets to MDIFW as they are submitted by Boyle Associates.
- Obtain shapefile for Lynx Section 7 review area from USFWS.
- Contact USFWS for BA outline.
- Contact Jen Vashon (MDIFW) regarding Canada Lynx occurrences near the project area.
- Create stream crossings in a table identify: Atlantic Salmon GOF DPS, CH (USFWS) or coldwater fisheries (MDIFW).
- BMCD to reach out to MDIFW for brook trout GIS layer.
- Is there a BPL intersect?
- Is there an intersect with the Coldwater parcel?

- Review invasive species plan and current invasive species list on USACE website.
- Evaluate the need for laydown areas and additional clearing needs.

From: Johnston, Lauren A
To: "Stratton, Robert D"; Goodwin, Mark; "gerry.mirabile@cmpco.com" (gerry.mirabile@cmpco.com); Marquis, Adam
Cc: Perry, John; Maclaine, John; Mark McCollough (Mark_McCollough@fws.gov) (Mark_McCollough@fws.gov); Mahaney, Wende; Clement, Jay L NAE; Cameron, Don S.
Subject: RE: QMI and Cold Stream
Date: Tuesday, June 13, 2017 12:57:00 PM
Attachments: [QMI-Cold Stream AOI- Map 1- markup laj 6.13.17.pdf](#)
[image002.png](#)
[image004.png](#)
[image006.png](#)
[image008.png](#)
[image010.jpg](#)
[image012.png](#)

Bob,

Thank you for forwarding the maps for the Cold Stream parcel. Based on the maps provided and our survey information, the corridor does not cross the Cold Stream parcel, however it does run immediately adjacent to it near the intersection of Mountain Brook Road and Capitol Road and also further south near Wilson Hill Road. When Plum Creek Timber, the then owner sold to this parcel to the state, excluded from the sale was an approximately 600-foot wide area to accommodate their major haul road (Capitol Road). CMP subsequently purchased an easement at this location, therefore avoiding intersection with the Cold Stream parcel.

Map 3 shows the transmission line crossing, north to south, two ME BPL parcels: Johnson Mountain and West Forks NE. I've attached a map mark-up with parcels identified.

So based on your statement below, the line does not cross state land horizontally (E to W), however it does cross the Johnson Mountain and West Forks NE parcels vertically (N to S) and then runs adjacent to the Cold Stream parcel on the eastern side of Wilson Hill Road.

Please let me know if you have any questions or disagree with my interpretation.

Thanks!

Lauren Johnston, CPESC \ Burns & McDonnell

Senior Environmental Scientist

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From: Stratton, Robert D [mailto:Robert.D.Stratton@maine.gov]

Sent: Wednesday, June 07, 2017 4:58 PM

To: Goodwin, Mark <magoodwin@burnsmcd.com>; Johnston, Lauren A <lajohnston@burnsmcd.com>; 'gerry.mirabile@cmpco.com' (gerry.mirabile@cmpco.com) <gerry.mirabile@cmpco.com>; Marquis, Adam <adam.marquis@cmpco.com>
Cc: Perry, John <John.Perry@maine.gov>; Maclaine, John <John.Maclaine@maine.gov>; Mark McCollough (Mark_McCollough@fws.gov) (Mark_McCollough@fws.gov) <Mark_McCollough@fws.gov>; Mahaney, Wende <wende_mahaney@fws.gov>; Clement, Jay L NAE <Jay.l.clement@usace.army.mil>; Cameron, Don S. <Don.S.Cameron@maine.gov>
Subject: QMI and Cold Stream

Good afternoon Mark, Lauren, Gerry, and Adam,

It was good to meet with you today. As requested following our meeting, attached are maps depicting state conservation lands in the vicinity of Cold Stream (1,2) and an overlay of the proposed QMI route through the area (3). IFW staff had more updated Cold Stream maps than the one I referenced earlier, so I've included:

1. The Cold Stream Forest deer wintering area (DWA) habitat management area (HMA);
2. The Cold Stream Forest Fisheries HMA;
3. The proposed QMI route through the area. Please note, this map shows the proposed ROW corridor as an orange double line and the adjacent search area as a larger, pink dashed area.

From map 3, it appears that the proposed route crosses once horizontally, once vertically, then runs immediately adjacent to state conservation land. Please verify if this interpretation is correct.

Thank you very much,

Bob

Bob Stratton
Supervisor, Fisheries and Wildlife Program Support

Maine Department of Inland Fisheries & Wildlife

Bureau of Resource Management

284 State Street, 41 State House Station

Augusta, Maine 04333-0041

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-

From: Johnston, Lauren A
To: john.perry@maine.gov
Cc: "beth.swartz@maine.gov"; "Jason.Czapiga@maine.gov"
Subject: FW: SPAM-LOW: QMI Vernal Pool IF&W Submission Status
Date: Monday, June 12, 2017 11:21:00 AM
Attachments: [image001.jpg](#)
[image002.jpg](#)
[image003.jpg](#)
[image004.jpg](#)
[image005.jpg](#)
[image007.png](#)
[image009.png](#)
[image011.png](#)
[image013.png](#)
[image015.jpg](#)
[image017.png](#)

Good morning John,

I wanted to keep you in the loop regarding vernal pool consultation for QMI. As detailed below, Boyle Associates dropped off the vernal pool forms and maps to Jason Czapiga and Beth Swartz today.

Thanks,

Lauren Johnston, CPESC \ Burns & McDonnell

Senior Environmental Scientist

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From: Jared Boyle [<mailto:jared@boyleassociates.net>]

Sent: Monday, June 12, 2017 10:48 AM

To: Goodwin, Mark <magoodwin@burnsmcd.com>; jboyle@boyleassociates.net

Cc: 'Mirabile, Gerry J.' <Gerry.Mirabile@cmpco.com>; 'Marquis, Adam' <adam.marquis@cmpco.com>; 'Emery, Scott' <Scott.Emery@cmpco.com>; Freye, Kenneth <khfrey@burnsmcd.com>; Johnston, Lauren A <lajohnston@burnsmcd.com>

Subject: RE: SPAM-LOW: QMI Vernal Pool IF&W Submission Status

Hi Mark,

I wanted to let you know that I handed off the hard copies of VP forms and maps to Jason Czapiga this morning. I talked to Beth Swartz on Friday, and she said getting them to either her or Jason would be fine.

Thank you,

Jared Boyle

Wetland Scientist/Project Manager
(207)274-4222

Boyle Associates

25 Dundee Rd Gorham, ME 04038
www.boyleassociates.net

From: Goodwin, Mark [<mailto:magoodwin@burnsmcd.com>]
Sent: Thursday, June 08, 2017 11:06 AM
To: jared@boyleassociates.net; 'jboyle@boyleassociates.net'
Cc: Mirabile, Gerry J. (Gerry.Mirabile@cmpco.com); Marquis, Adam; Emery, Scott (Scott.Emery@cmpco.com); Freye, Kenneth; Johnston, Lauren A
Subject: SPAM-LOW: QMI Vernal Pool IF&W Submission Status

Jared:

We had a consultation meeting with IF&W and others yesterday for QMI. IF&W indicated that one of their biggest time sinks would be the review of vernal pool forms to determine significance. Can you give us an update on the status of submission of vernal pool forms to IF&W for this purpose? Also, during our meeting, John Perry indicated that the forms should be sent to Beth Swartz in the Bangor office.

The time it takes for IF&W to review could add time to the schedule for submitting our applications.

Thanks,

Mark Goodwin, CPESC \ Burns & McDonnell

Senior Environmental Scientist
207-517-8482 \ **Mobile** 207-416-5707
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From: Johnston, Lauren A
To: [Morin, James](#); [Goodwin, Mark \(magoodwin@burnsmcd.com\)](mailto:Goodwin.Mark@burnsmcd.com)
Subject: MDIFW Regional contacts
Date: Wednesday, June 21, 2017 8:21:00 AM
Attachments: [image007.jpg](#)
[image009.jpg](#)
[image011.jpg](#)
[image013.jpg](#)
[image015.jpg](#)
[image017.jpg](#)
[image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.jpg](#)
[image006.png](#)

In addition to the species specific contacts listed in the Information Request response 6.5.17, we should also include the regional contact. John Perry should be cc'd on all correspondence. See below how it's split up.

Lauren Johnston, CPESC \ Burns & McDonnell

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From: Perry, John [mailto:John.Perry@maine.gov]
Sent: Tuesday, June 20, 2017 4:29 PM
To: Johnston, Lauren A <lajohnston@burnsmcd.com>
Subject: RE: Regional contacts

Hi Lauren,

The regional biologists are as follows:

[Beattie Twp. to Johnson Mountain Twp.:](#) MDIFW Region E

Wildlife: Doug Kane Douglas.Kane@maine.gov

Fisheries: Tim Obrey Tim.Obrey@maine.gov

[Chase Stream Twp. to Jay:](#) MDIFW Region D

Wildlife: Bob Cordes Robert.Cordes@maine.gov

Fisheries: Bob VanRiper Robert.VanRiper@maine.gov (soon to be retired); his assistants are Dave Howatt (David.Howatt@maine.gov) and Liz Thorndike (Elizabeth.Thorndike@maine.gov)

Livermore Falls and Leeds and Coopers Mills to Maine Yankee : MDIFW Region B

Wildlife: Keel Kemper Keel.Kemper@maine.gov
Fisheries: Jason Seiders Dwayne.J.Seiders@maine.gov

Greene on south: MDIFW Region A

Wildlife: Brad Zitske Brad.Zitske@maine.gov
Fisheries: Jim Pellerin James.Pellerin@maine.gov

Please keep me cc'd on any correspondence—thanks!

John

From: Johnston, Lauren A [<mailto:lajohnston@burnsmcd.com>]
Sent: Thursday, June 15, 2017 10:43 AM
To: Perry, John
Subject: QMI: Regional contacts

Hi John,
I am putting together a contact list for consultation and want to include the regional biologist contacts as well as the species specific biologist identified in the Information Request letter sent on 6.5.17. How are the regions split up throughout the QMI project? Could you provide a list or a range for each region so I can determine who the proper contact is in a specific area of the project?

Thanks,

Lauren Johnston, CPESC \ Burns & McDonnell

Senior Environmental Scientist

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Johnston, Lauren A

From: Johnston, Lauren A
Sent: Wednesday, July 12, 2017 2:18 PM
To: 'Perry, John'
Cc: Goodwin, Mark (magoodwin@burnsmcd.com)
Subject: RE: GIS Trout Layer

John, I received the trout layer in the mail yesterday.
Thank you for providing!

Lauren Johnston, CPESC \ Burns & McDonnell

Senior Environmental Scientist

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From: Johnston, Lauren A
Sent: Monday, June 19, 2017 12:47 PM
To: Perry, John <John.Perry@maine.gov>
Cc: Goodwin, Mark (magoodwin@burnsmcd.com) <magoodwin@burnsmcd.com>
Subject: GIS Trout Layer

Good afternoon John,

It was mentioned in the consultation meeting on 6/7 that MDIFW has a Brook Trout GIS layer. Are you able to help me obtain that information for the QMI project?

Thank you.

Lauren Johnston, CPESC \ Burns & McDonnell

Senior Environmental Scientist

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Johnston, Lauren A

From: Perry, John <John.Perry@maine.gov>
Sent: Tuesday, June 20, 2017 4:58 PM
To: Johnston, Lauren A
Cc: Goodwin, Mark
Subject: RE: QMI DWA Table.xlsx

Hi Lauren—these all appear to be indeterminate. In fact, most (the vast majority!) of our DWA's are mapped as "indeterminate".

John

From: Johnston, Lauren A [mailto:lajohnston@burnsmcd.com]
Sent: Tuesday, June 20, 2017 10:13 AM
To: Perry, John
Cc: Goodwin, Mark
Subject: QMI DWA Table.xlsx

Good Morning John,

I am looking at the GIS information for the DWA's located in or near the QMI project area. The GIS data didn't include value or ranking (ie. High, Moderate or Indeterminate) for each. Could you assist me in determining this? If I should contact the regional biologists for each area, please let me know.

Thanks, Lauren

Lauren Johnston, CPESC \ Burns & McDonnell

Senior Environmental Scientist

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From: Johnston, Lauren A
To: "Perry, John"
Cc: Goodwin, Mark; Czapiga, Jason; Swartz, Beth; "gerry.mirabile@cmpco.com" (gerry.mirabile@cmpco.com)
Subject: RE: QMI: ETS occurrences and SVPs
Date: Tuesday, July 18, 2017 11:42:00 AM
Attachments: [image001.png](#)
[image012.png](#)
[image013.png](#)
[image014.png](#)
[image015.jpg](#)
[image016.png](#)
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[image024.jpg](#)
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[image026.jpg](#)
[image027.jpg](#)
[image028.jpg](#)

John,

Thank you very much for your response and the update.

The project will make the assumption that the roaring brook mayfly and northern spring salamander are present in coldwater streams within the project area and will include provisions to avoid impacts in our permit applications. If occurrence data regarding the rare mussels species is available, we'd like to include this in the permit applications. Let us know what we can do to facilitate the retrieval of that information.

Our intent is to submit the permit applications on September 15th to the agencies. Please let us know if you anticipate that the vernal pool form review will not be complete by the end of August.

Thanks again for your assistance!

Lauren Johnston, CPESC \ Burns & McDonnell

Senior Environmental Scientist

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From: Perry, John [mailto:John.Perry@maine.gov]

Sent: Tuesday, July 18, 2017 8:18 AM

To: Johnston, Lauren A <lajohnston@burnsmcd.com>

Cc: Goodwin, Mark <magoodwin@burnsmcd.com>; Czapiga, Jason <Jason.Czapiga@maine.gov>; Swartz, Beth <Beth.Swartz@maine.gov>

Subject: RE: QMI: ETS occurrences and SVPs

Importance: High

Good morning Lauren,

I spoke with staff recently—given their current, non-project workload combined with the number of pool forms that need to be vetted, it will likely be at least several weeks before the NECEC project pools can be reviewed in their entirety.

Beth will be better suited to address the species occurrence question, but as for roaring brook mayflies and northern spring salamanders: in many cases we tend to accumulate occurrence data on these rare species as streams get surveyed during project studies. As there have been extremely few projects in this region of the state, our data on species occurrence in this area is sparse. That said, given the geographic range of these species, as well as the elevation of the project and presumed cold water/excellent water quality of most of the streams, the assumption is that these species are present in the project search area.

John

John Perry

Environmental Review Coordinator

Maine Department of Inland Fisheries and Wildlife

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Tel (207) 287-5254; Cell (207) 446-5145

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From: Johnston, Lauren A [<mailto:lajohnston@burnsmcd.com>]

Sent: Wednesday, July 12, 2017 2:18 PM

To: Swartz, Beth

Cc: Perry, John; Goodwin, Mark; Czapiga, Jason

Subject: RE: QMI: ETS occurrences and SVPs

Good afternoon Beth,

I am following up on the email I sent on June 21st and was wondering if you have had a chance to address my requests.

Thank you and I look forward to hearing from you!

Lauren Johnston, CPESC \ Burns & McDonnell

Senior Environmental Scientist

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From: Johnston, Lauren A

Sent: Wednesday, June 21, 2017 11:00 AM

To: 'beth.swartz@maine.gov' <beth.swartz@maine.gov>

Cc: Perry, John <John.Perry@maine.gov>; Goodwin, Mark (magoodwin@burnsmcd.com) <magoodwin@burnsmcd.com>; 'jason.czapiga@maine.gov' <jason.czapiga@maine.gov>

Subject: QMI: ETS occurrences and SVPs

Good morning Beth,

According to the Information Request letter provided for the QMI Project (6/5/2017), MDIFW has identified you as the contact for various aquatic related species. Rather than send you a separate email for each species, I've included the list below. Do you have occurrence data for these species or any known locations within or near the project area? A shapefile was provided to MDIFW previously, but I can resend it to you if it would assist you in your review.

- Rare Mussels
 - Brook floater (State threatened)
 - Yellow lampmussel (State threatened)
 - Tidewater mucket (State threatened)
 - Creeper (State Special Concern)
- Roaring brook mayfly
- Northern spring salamander

Additionally, I will be the contact for the significant vernal pool assessment for QMI. Boyle Associates indicated they dropped off VP forms with you and Jason Czapiga on 6/12. I realize depending on how many additional vernal pools Boyle identified during their field effort, it may take a while to review and determine significance. Do you have an estimate on the period of time we are looking at?

Please feel free to give me a phone call if you'd like to discuss any of the above.
Thank you and I look forward to hearing from you!

Lauren Johnston, CPESC \ Burns & McDonnell

Senior Environmental Scientist

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Johnston, Lauren A

From: Morin, James
Sent: Tuesday, September 12, 2017 11:35 AM
To: Johnston, Lauren A
Subject: FW: Canada Lynx habitat

From: Morin, James
Sent: Wednesday, July 19, 2017 4:34 PM
To: 'Vashon, Jennifer' <Jennifer.Vashon@maine.gov>
Cc: Goodwin, Mark <magoodwin@burnsmcd.com>; Johnston, Lauren A <lajohnston@burnsmcd.com>; gerry.mirabile@cmpco.com; Perry, John <John.Perry@maine.gov>; 'Robert.D.Stratton@maine.gov' <Robert.D.Stratton@maine.gov>
Subject: RE: Canada Lynx habitat

Hi Jen,

I may try to give you a call tomorrow to discuss our project and its impact on lynx habitat. A key question I have is in regards habitat conversion of 150' ROW from managed forest to dense scrub/shrub and its potential effect on snowshoe hare and lynx (positive, negative or no effect).

Thanks,

James P. Morin, LF*, CPESC \ Burns & McDonnell

Sr. Environmental Scientist \ Forester
Office 207-808-4924 \ Mobile 207-229-6752
jmorin@burnsmcd.com \ burnsmcd.com
27 Pearl Street \ Portland, Maine 04101

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From: Morin, James
Sent: Monday, July 10, 2017 7:58 AM
To: 'Vashon, Jennifer' <Jennifer.Vashon@maine.gov>
Cc: Goodwin, Mark <magoodwin@burnsmcd.com>; Johnston, Lauren A <lajohnston@burnsmcd.com>; gerry.mirabile@cmpco.com; adam.marquis@cmpco.com; Kane, Douglas <Douglas.Kane@maine.gov>; Cordes, Robert <Robert.Cordes@maine.gov>; Perry, John <John.Perry@maine.gov>; wende_mahaney@fws.gov; Mark_McCollough@fws.gov
Subject: RE: Canada Lynx habitat

Hi Jennifer,

Please let me know if there is any additional project related information that I can provide you that would be helpful in my request.

Also, do you feel that a project such as this (150' wide transmission line corridor) would have a significant impact to the lynx, snowshoe hare or their habitat?

Thanks,

James P. Morin, LF*, CPESC \ Burns & McDonnell

Sr. Environmental Scientist \ Forester
Office 207-808-4924 \ Mobile 207-229-6752
jmorin@burnsmcd.com \ burnsmcd.com
27 Pearl Street \ Portland, Maine 04101

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From: Vashon, Jennifer [<mailto:Jennifer.Vashon@maine.gov>]

Sent: Thursday, June 29, 2017 2:33 PM

To: Morin, James <jmorin@burnsmcd.com>

Cc: Goodwin, Mark <magoodwin@burnsmcd.com>; Johnston, Lauren A <lajohnston@burnsmcd.com>; gerry.mirabile@cmpco.com; adam.marquis@cmpco.com; Kane, Douglas <Douglas.Kane@maine.gov>; Cordes, Robert <Robert.Cordes@maine.gov>; Perry, John <John.Perry@maine.gov>; wende_mahaney@fws.gov; Mark_McCollough@fws.gov

Subject: RE: Canada Lynx habitat

Hi James,

Yes, we have a database with records of lynx observations from a variety of sources. I would be happy to work with you on getting the information you need. I'll work with John and Amy Meehan (a gis analyst) to send you the information asap. I believe a shape file would be helpful, however Amy is in the field today. I'll check with her tomorrow on which file type she would prefer.

Thanks!

Jennifer Vashon

Black Bear and Canada Lynx Biologist

Maine Dept of Inland Fisheries & Wildlife Division

Wildlife Division

650 State St.

Bangor, ME 04401

(207) 941-4238

mefishwildlife.com | [facebook](https://www.facebook.com/mefishwildlife) | [twitter](https://twitter.com/mefishwildlife)

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From: Morin, James [<mailto:jmorin@burnsmcd.com>]

Sent: Tuesday, June 27, 2017 11:49 AM

To: Vashon, Jennifer

Cc: Goodwin, Mark; Johnston, Lauren A; gerry.mirabile@cmpco.com; adam.marquis@cmpco.com; Kane, Douglas; Cordes, Robert; Perry, John; wende_mahaney@fws.gov; Mark_McCollough@fws.gov

Subject: Canada Lynx habitat

Hi Jennifer,

I am in the process of compiling information on the Canada Lynx associated with the permitting of the proposed Central Maine Power Company (CMP) Quebec-Maine Interconnect Transmission Line project (QMI). The QMI project includes a high-voltage direct current (HVDC) transmission line that would go from Beattie Twp. to The Forks Plt., down to Wyman Dam, and eventually to Larrabee Substation in Lewiston (see attached map). The section of right of way (ROW) between Beattie Twp. and The Forks Plt. would be new corridor. The section from The Forks south to Lewiston would be within existing corridor, however additional widening would be necessary. We are aware that the Canada Lynx Critical Habitat in the project area is generally located between Beattie Twp and the southern border of Johnson Mountain Twp. Additionally, we have been provided with the Section 7 review area shapefile by USFWS and are aware that the review area extends further south to a point near Embden.

John Perry indicated that you maintain an occurrence database that would help us better understand the distribution of Lynx in the project area. He requested that we reach out to you for any potential survey data or known occurrences within the lynx critical habitat of the project ROW, as well as any information that would help us better understand how a newly cleared, 150' wide transmission corridor from Beattie Twp to The Forks Plt. may impact the lynx, its habitat, and snowshoe hare.

My objective is to obtain enough information about the Canada Lynx to be able to address the potential impacts caused by the proposed project, as well as the assessment of any mitigation measures that can be taken during the clearing and construction phases.

I can provide a shapefile or kmz file if that would assist you in your review. I welcome the opportunity to further discuss my request with you if needed at your earliest convenience.

Thanks,

James P. Morin, LF*, CPESC \ Burns & McDonnell

Sr. Environmental Scientist \ Forester

Office 207-808-4924 \ Mobile 207-229-6752

jmorin@burnsmcd.com \ burnsmcd.com

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Johnston, Lauren A

From: Johnston, Lauren A
Sent: Friday, July 21, 2017 7:43 AM
To: 'McCollough, Mark'
Subject: RE: QMI Project: Bald Eagle and Golden Eagle Consultation

Oh no problem Mark, I figured that was the case!
Thanks again for your response.

Lauren Johnston, CPESC \ Burns & McDonnell

Senior Environmental Scientist

Mobile 207-272-7294 Office 207-517-8483

lajohnston@burnsmcd.com \ burnsmcd.com

27 Pearl Street \ Portland, ME 04101



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From: McCollough, Mark [mailto:mark_mccollough@fws.gov]
Sent: Thursday, July 20, 2017 1:15 PM
To: Johnston, Lauren A <lajohnston@burnsmcd.com>
Subject: Re: QMI Project: Bald Eagle and Golden Eagle Consultation

Sorry Lauren. We have been getting similar requests from both parties in the last week! The golden eagle advise stays the same...My apologies!!! Mark

On Thu, Jul 20, 2017 at 12:29 PM, Johnston, Lauren A <lajohnston@burnsmcd.com> wrote:

Mark,

Thank you for the valuable information. We will include a discussion regarding the historical significance of the golden eagle in our permit applications.

In your correspondence below, you refer to the Number 9 wind project and the project we are consulting for is CMP's New England Clean Energy Connect (NECEC) formerly the Quebec-Maine Interconnect (QMI) project. I just wanted to point that out in case there was any confusion.

Thanks again!

Lauren Johnston, CPESC \ Burns & McDonnell

Senior Environmental Scientist

Mobile 207-272-7294 Office 207-517-8483

lajohnston@burnsmcd.com \ burnsmcd.com

27 Pearl Street \ Portland, ME 04101



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From: McCollough, Mark [mailto:mark_mccollough@fws.gov]

Sent: Thursday, July 20, 2017 12:22 PM

To: Johnston, Lauren A <lajohnston@burnsmcd.com>

Cc: Call, Erynn <Erynn.Call@maine.gov>; Charlie.todd@maine.gov; douglas.kane@maine.gov; Cordes, Robert <Robert.Cordes@maine.gov>; Perry, John <John.Perry@maine.gov>; Mahaney, Wende <wende_mahaney@fws.gov>; Goodwin, Mark <magoodwin@burnsmcd.com>; 'gerry.mirabile@cmpco.com' (gerry.mirabile@cmpco.com) <gerry.mirabile@cmpco.com>

Subject: Re: QMI Project: Bald Eagle and Golden Eagle Consultation

Lauren: As golden eagles nested historically in the mountainous regions of Maine, I do not believe they nested in the vicinity of the proposed Number 9 wind project. The closest nest (which was the last nest in ME) that I am aware of was in the Baxter Park region. On the other had, the Number Nine location may be on a migratory route for golden eagles migrating from Quebec and Labrador (especially the goldens nesting on the Gaspé Peninsula). Goldens throughout this region have been radio-tagged and their movements in Maine documented. One named "Virgil Cane" spent the better part of 4 years in Maine. These data are accessible from public sources (William and Mary and West Virginia University). I don't have web links readily available, but if you cannot find them let me know and we can do some additional digging.

I would encourage you to do bald eagle nesting surveys as you indicate in your email.

Mark McCollough

On Tue, Jul 11, 2017 at 8:55 AM, Johnston, Lauren A <lajohnston@burnsmcd.com> wrote:

Good morning all,

USFWS (Wende Mahaney) provided a GIS shapefile of known bald eagle nest locations from the last survey effort in 2013. There is one nest, 562A, located adjacent to the Androscoggin River in Lewiston and within 660-feet of the proposed QMI transmission line corridor.

Do you have any other known bald eagle nest sites that we should consider prior to the permit application submittal? We intend on conducting survey efforts prior to construction to identify any new or unmapped eagle nest sites.

Additionally, the northern portion of the project is within the mapped golden eagle range in Maine. Based on some initial research, there are no nesting pairs in Maine, however, this species should be included as part of our assessment. Do you have any known historical locations that we should consider in our application discussion? We would welcome recommendations regarding survey efforts for this species.

Thank you and please contact me directly if you would like to discuss further.

Lauren Johnston, CPESC \ Burns & McDonnell

Senior Environmental Scientist

Mobile 207-272-7294 **Office** 207-517-8483

lajohnston@burnsmcd.com \ burnsmcd.com

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--

PLEASE NOTE THAT OUR OFFICE ADDRESS AND PHONE HAVE CHANGED

Mark McCollough, Ph.D.

Endangered Species Specialist

US Fish and Wildlife Service

Maine Fish and Wildlife Service Complex

Ecological Services

Maine Field Office

P.O. Box A (mailing address)

306 Hatchery Road (physical address)

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Fax: (207) 902-1588

Cell Phone: 207 944-5709

mark_mccollough@fws.gov

--
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**Mark McCollough, Ph.D.
Endangered Species Specialist
US Fish and Wildlife Service
Maine Fish and Wildlife Service Complex**

**Ecological Services
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East Orland, Maine 04431
Telephone: (207) 902-1570
Fax: (207) 902-1588
Cell Phone: 207 944-5709
mark_mccollough@fws.gov**

From: [Call, Erynn](#)
To: [Johnston, Lauren A](#); [Todd, Charlie](#); [Kane, Douglas](#); [Cordes, Robert](#); [Perry, John](#); [Stratton, Robert D](#)
Cc: [Mahaney, Wende](#); [Mark McCollough \(Mark_McCollough@fws.gov\)](#) ([Mark_McCollough@fws.gov](#)); [Goodwin, Mark](#); ["gerry.mirabile@cmpco.com"](#) ([gerry.mirabile@cmpco.com](#))
Subject: RE: QMI Project: Bald Eagle and Golden Eagle Consultation
Date: Tuesday, July 18, 2017 11:36:56 AM
Attachments: [image002.jpg](#)
[image004.jpg](#)
[image006.jpg](#)
[image008.jpg](#)
[image010.jpg](#)
[image012.jpg](#)

Hello Lauren,

Thanks for the inquiry. We have not maintained a database of eagle nests since the 2013 survey. As you mentioned, the best course of action is to conduct surveys and identify new nest locations in the project vicinity.

Regarding Golden Eagle historical nest locations, I don't have any additional information to include but Charlie Todd may have comments on that topic.

Please let me know if you have any other questions.

Kind Regards,
Erynn

Erynn Call, Ph.D.
Raptor Specialist, Bird Group
Maine Dept. Inland Fisheries & Wildlife
650 State St., Bangor, ME 04401
Office: (207) 941-4481
Cell: (906) 630-0266
Fax: (207) 941-4450
Email: erynn.call@maine.gov
Website: <http://www.maine.gov/ifw/>

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www.mefishwildlife.com

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From: Johnston, Lauren A [<mailto:lajohnston@burnsmcd.com>]
Sent: Tuesday, July 11, 2017 8:56 AM
To: Call, Erynn; Todd, Charlie; Kane, Douglas; Cordes, Robert; Perry, John
Cc: Mahaney, Wende; Mark McCollough (Mark_McCollough@fws.gov) (Mark_McCollough@fws.gov); Goodwin, Mark; 'gerry.mirabile@cmpco.com' (gerry.mirabile@cmpco.com)
Subject: QMI Project: Bald Eagle and Golden Eagle Consultation

Good morning all,

USFWS (Wende Mahaney) provided a GIS shapefile of known bald eagle nest locations from the last survey effort in 2013. There is one nest, 562A, located adjacent to the Androscoggin River in

Lewiston and within 660-feet of the proposed QMI transmission line corridor.

Do you have any other known bald eagle nest sites that we should consider prior to the permit application submittal? We intend on conducting survey efforts prior to construction to identify any new or unmapped eagle nest sites.

Additionally, the northern portion of the project is within the mapped golden eagle range in Maine. Based on some initial research, there are no nesting pairs in Maine, however, this species should be included as part of our assessment. Do you have any known historical locations that we should consider in our application discussion? We would welcome recommendations regarding survey efforts for this species.

Thank you and please contact me directly if you would like to discuss further.

Lauren Johnston, CPESC \ Burns & McDonnell

Senior Environmental Scientist

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Johnston, Lauren A

From: Mahaney, Wende <wende_mahaney@fws.gov>
Sent: Monday, August 14, 2017 3:35 PM
To: Johnston, Lauren A
Cc: Mosby, Cory E; Perry, John; Stratton, Robert D; Marquis, Adam; 'gerry.mirabile@cmpco.com' (gerry.mirabile@cmpco.com); Goodwin, Mark; McCollough, Mark; Clement, Jay L NAE; Mills, Brian
Subject: Re: FW: Northern Long Eared Bat Hibernacula

Lauren - This conversation is one we will need to have with the federal action agencies, DOE and ACOE. Ultimately through the ESA section 7 consultation process, the federal action agencies will decide what, if any, restrictions they want to place on the project to protect federally listed species including the northern long-eared bat. This may or may not include a restriction on when tree clearing can be done.

In Maine we consider the "active" bat season throughout the state to be April 20 through October 15 (based on review of acoustic bat survey data from a variety of projects in Maine). I am not aware of any information that would support tweaking these dates for particular regions of the state. Given that there is not much bat research going on in Maine, that might be difficult to do. So, I can't offer a different recommendation for more northern parts of the project versus other locations. But if someone has information to bring to the table for consideration, we can certainly do that as part of the consultation process with DOE and ACOE.

Wende

Wende S. Mahaney, C.W.B.
U.S. Fish and Wildlife Service
Maine Field Office
P.O. Box A (mailing address)
306 Hatchery Road (physical address)
East Orland, Maine 04431
Telephone: (207) 902-1569 (direct line)
Fax: (207) 902-1588
Cellular Phone: 207-944-2991

On Fri, Aug 11, 2017 at 12:58 PM, Johnston, Lauren A <lajohnston@burnsmcd.com> wrote:

Wende,

Please find the correspondence below with the MDIFW regarding our inquiry into the northern long eared bat behavior and the length of the "active season" in the northern sections of the NECEC project. We initially contacted Cory since he has intimate knowledge of federal and state protected bats and their behavior within Maine, however, it may have been appropriate to start with the USFWS biologist opinion for the NLEB since the recommended conservation measures are issued federally. Could you review the following inquiry and kindly respond, as we are assessing our management options to properly protect this species.

In evaluating the time of year recommendations for tree removal activities, necessitated by the new transmission line, the Corps has been referencing the broader “active season” (April 1 through October 31) on certain projects. This is an additional voluntary conservation measure recommended by USFWS to the Federal action agency in the Biological Opinion on the Final 4(d) Rule . This time of year recommendation is more restrictive than the NLEB “pup-season” (June 1 to July 31), proposed by the streamlined section 7 consultation implemented by the USFWS.

CMP is inquiring if there could be flexibility in the “active season” time of year recommendation, based on higher elevation and latitude; and, the longer winter and snow cover season in the northern portions of the project area. The active season includes the “pup season” and from a climate perspective, is there a difference in when NLEB becomes active in the northern reaches of the NECEC Project? If so, would it be appropriate for a shortened active season to be applied from, the town of Moscow north to the Canadian border? This request is also based on the significant logistical/construction impact challenges of a 7-month no-cut period.

If you’d like to talk more in length regarding this, I’d be happy to schedule a call.

Thanks for in advance for your opinion.

Lauren Johnston, CPESC \ Burns & McDonnell

Senior Environmental Scientist

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From: Mosby, Cory E [<mailto:Cory.E.Mosby@maine.gov>]

Sent: Thursday, August 10, 2017 2:49 PM

To: Johnston, Lauren A <lajohnston@burnsmcd.com>

Cc: Goodwin, Mark <magoodwin@burnsmcd.com>; Perry, John <John.Perry@maine.gov>; 'gerry.mirabile@cmpco.com' (gerry.mirabile@cmpco.com) <gerry.mirabile@cmpco.com>; Stratton, Robert D <Robert.D.Stratton@maine.gov>; Marquis, Adam <adam.marquis@cmpco.com>

Subject: RE: Northern Long Eared Bat Hibernacula

Lauren,

I can only weigh in from a state government perspective, and it sounds like the recommended voluntary conservation measure is a US Corps/USFWS recommendation, not IFW. The active season they refer to is determined by USFWS biologist, not IFW.

Sorry that's not much help. Let me know if there's anything else I can do.

Cheers,

Cory Mosby

Furbearer and Small Mammal Biologist

Maine Department of Inland Fisheries and Wildlife

650 State St.

Bangor, ME 04401

207-941-4473 office

From: Johnston, Lauren A [<mailto:lajohnston@burnsmcd.com>]
Sent: Thursday, August 10, 2017 1:08 PM
To: Mosby, Cory E
Cc: Goodwin, Mark; Perry, John; 'gerry.mirabile@cmpco.com' (gerry.mirabile@cmpco.com); Stratton, Robert D; Marquis, Adam
Subject: RE: Northern Long Eared Bat Hibernacula

Hi Corey,

We are looking at NECEC projects' management strategies for protection of the NLEB. In evaluating the time of year recommendations for tree removal activities, necessitated by the new transmission line, the Corps has been referencing the broader "active season" (April 1 through October 31) on certain projects. This is an additional voluntary conservation measure recommended by USFWS to the Federal action agency in the Biological Opinion on the Final 4(d) Rule . This time of year recommendation is more restrictive than the NLEB "pup-season" (June 1 to July 31), proposed by the streamlined section 7 consultation implemented by the USFWS.

CMP is inquiring if there could be flexibility in the "active season" time of year recommendation, based on higher elevation and latitude; and, the longer winter and snow cover season in the northern portions of the project area. The active season includes the "pup season" and from a climate perspective, is there a difference in when NLEB becomes active in the northern reaches of the NECEC Project? If so, would it be appropriate for a shortened active season to be applied from, the town of Moscow north to the Canadian border? This request is also based on the significant logistical/construction impact challenges of a 7-month no-cut period.

If you'd like to talk more in length regarding this, I'd be happy to schedule a call.

Thanks for in advance for your opinion.

Lauren Johnston, CPESC \ Burns & McDonnell

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From: Mosby, Cory E [<mailto:Cory.E.Mosby@maine.gov>]
Sent: Tuesday, July 18, 2017 10:06 AM
To: Johnston, Lauren A <lajohnston@burnsmcd.com>
Cc: Goodwin, Mark <magoodwin@burnsmcd.com>; Perry, John <John.Perry@maine.gov>; 'gerry.mirabile@cmpco.com' (<gerry.mirabile@cmpco.com>)
Subject: RE: Northern Long Eared Bat Hibernacula

Lauren,

Not a problem. Thanks for reaching out.

Known location of maternity roost trees for NLEB: The only known maternity roost trees for NLEB in ME are on Mount Desert Island in hancock county within Acadia National Park.

Of those seven additional bat species you mentioned one is state endangered, the little brown, and the eastern small-footed bat is state threatened. Our known hibernacula for those two species coincide with the hibernacula for NLEB. Additionally we know of no maternity sites for those species in forested settings outside of Acadia National Park on Mount Desert Island.

As far as avoidance recommendations regarding all of these species the list is pretty simple and short. Although not required, attempt to minimize tree removal during the maternity season when the pups are not able to fly and escape a falling tree. This is generally considered the months of June and July. Other than that our known hibernacula are protected and the overarching threat to our listed species of Myotis bat are an invasive fungus that is the causal agent for White-Nose Syndrome.

As for occurrence data, with the exception of eastern small-footed bats these species are widely distributed throughout the state. The current distribution of eastern small footed bats is roughly the southern ½ of the state. Even in a post White-nose environment, both little brown and northern long-eared bats could pop up most any place.

Feel free to contact me if you have any more questions or would like to just talk about bats in greater detail.

Cheers,

Cory

From: Johnston, Lauren A [<mailto:lajohnston@burnsmcd.com>]
Sent: Monday, July 17, 2017 4:28 PM
To: Mosby, Cory E
Cc: Goodwin, Mark; Perry, John; 'gerry.mirabile@cmpco.com' (gerry.mirabile@cmpco.com)
Subject: RE: Northern Long Eared Bat Hibernacula

Cory,

Thank you for confirming the location of the NLEB hibernacula in Maine. Are you able to provide known locations of maternity roost trees for the NELB? Do you have any documented occurrences near the CMP transmission line project formerly referred to as the Quebec Maine Interconnect (QMI) and now being called **New England Clean Energy Connect Project or "NECEC."** I can provide a map, kmz or shapefile if needed.

Additionally, the information request letter provided by MDIFW on 6/5/2017, identified seven other bat species which were state protected: little brown bat, eastern small-footed bat, big brown bat, red bat, hoary bat, silver-haired bat and tri-colored bat. Do you have occurrence data or avoidance recommendations regarding these species generally?

Thank you for your time and I look forward to hearing from you.

Lauren Johnston, CPESC \ Burns & McDonnell

Senior Environmental Scientist

Mobile 207-272-7294 Office 207-517-8483

lajohnston@burnsmcd.com \ burnsmcd.com

27 Pearl Street \ Portland, ME 04101



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From: Mosby, Cory E [<mailto:Cory.E.Mosby@maine.gov>]

Sent: Friday, June 09, 2017 2:58 PM

To: Goodwin, Mark <magoodwin@burnsmcd.com>

Cc: Johnston, Lauren A <lajohnston@burnsmcd.com>

Subject: RE: Northern Long Eared Bat Hibernacula

Mark,

This email is to confirm that the information I provided you regarding the location of known NLEB hibernacula have not changed from the information provided to you as of 3/2/2017.

Thanks and have a good day.

Cory Mosby

Furbearer and Small Mammal Biologist

Maine Department of Inland Fisheries and Wildlife

650 State St.

Bangor, ME 04401

207-941-4473 office

From: Goodwin, Mark [<mailto:magoodwin@burnsmcd.com>]

Sent: Friday, June 09, 2017 1:21 PM

To: Mosby, Cory E

Cc: Johnston, Lauren A

Subject: RE: Northern Long Eared Bat Hibernacula

Cory:

Can you confirm that the information you provided below is still current as of today's date?

Thank you,

Mark Goodwin, CPESC \ Burns & McDonnell

Senior Environmental Scientist

207-517-8482 \ **Mobile** 207-416-5707

magoodwin@burnsmcd.com \ burnsmcd.com

27 Pearl Street \ Portland, ME 04101



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From: Mosby, Cory E [<mailto:Cory.E.Mosby@maine.gov>]
Sent: Thursday, March 02, 2017 8:35 AM
To: Goodwin, Mark <magoodwin@burnsmcd.com>
Subject: RE: Northern Long Eared Bat Hibernacula

Hello Mark,

Our northern Long-eared Bat hibernacula are located in Oxford (two hibernacula) and Piscataquis (one hibernacula) counties.

Please feel free to contact me if any other questions arise.

Cheers,

Cory Mosby

Furbearer and Small Mammal Biologist

Maine Department of Inland Fisheries and Wildlife

650 State St.

Bangor, ME 04401

207-941-4473

From: Goodwin, Mark [<mailto:magoodwin@burnsmcd.com>]
Sent: Monday, February 27, 2017 11:50 AM
To: Mosby, Cory E
Subject: Northern Long Eared Bat Hibernacula

Hi Cory:

Please disregard my earlier voicemail. For consultation purposes (documentation) can you please confirm the county locations of known hibernacula of the Northern Long Eared Bat in the state of Maine as of February 27, 2017.

Thank you,

Mark Goodwin, CPESC \ Burns & McDonnell

Senior Environmental Scientist

207-517-8482 \ **Mobile** 207-416-5707

magoodwin@burnsmcd.com \ burnsmcd.com

27 Pearl Street \ Portland, ME 04101



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Johnston, Lauren A

From: Johnston, Lauren A
Sent: Thursday, August 24, 2017 1:52 PM
To: 'Perry, John'; 'Mosby, Cory E'
Cc: 'Stratton, Robert D'; Goodwin, Mark; 'Cordes, Robert'; 'Kane, Douglas'; 'Mosby, Cory E'; 'gerry.mirabile@cmpco.com' (gerry.mirabile@cmpco.com); 'Marquis, Adam'
Subject: RE: NECEC Northern Bog Lemming

Cory and John,

I am following up on the request for more information regarding the northern bog lemming. CMP would like to understand the protective measures which can be implemented in areas which may provide suitable habitat for this species. With better knowledge of management standards, we hope to formulate a plan to potentially avoid or mitigate impacts to the lemming for inclusion into our permit application, which is anticipated to be submitted on 9/22.

Could we schedule a call to discuss further?

Lauren Johnston, CPESC \ Burns & McDonnell

Senior Environmental Scientist

Mobile 207-272-7294 Office 207-517-8483

lajohnston@burnsmcd.com \ burnsmcd.com

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From: Johnston, Lauren A

Sent: Thursday, August 10, 2017 10:51 AM

To: 'Perry, John' <John.Perry@maine.gov>; 'Mosby, Cory E' <Cory.E.Mosby@maine.gov>

Cc: Stratton, Robert D <Robert.D.Stratton@maine.gov>; Goodwin, Mark <magoodwin@burnsmcd.com>; Cordes, Robert <Robert.Cordes@maine.gov>; Kane, Douglas <Douglas.Kane@maine.gov>; Mosby, Cory E <Cory.E.Mosby@maine.gov>; 'gerry.mirabile@cmpco.com' (gerry.mirabile@cmpco.com) <gerry.mirabile@cmpco.com>; 'Marquis, Adam' <adam.marquis@cmpco.com>

Subject: RE: NECEC Northern Bog Lemming

Cory and John,

Thank you for the information provided regarding the northern bog lemming.

CMP would like a better understanding of how the lemming's presence or absence would potentially affect management standards for this species. There is a reference to buffers in the correspondence below, and provided that we have an understanding of their activity and behavior, what type (width, area) of buffers, and what restrictions, or additional or different construction standards may be recommended if a survey indicates presence and if avoidance is not possible? Do we have a known geographic range for this species or do we consider its possible presence for all segments of the project route above 1,000 feet elevation and predominantly sphagnum moss?

Additionally, to further define potential survey areas, would it be appropriate to survey only wetlands designated as WOSS based on the presence of peatland?

Thank you for your time in looking into this!

Lauren Johnston, CPESC \ Burns & McDonnell

Senior Environmental Scientist

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From: Perry, John [<mailto:John.Perry@maine.gov>]

Sent: Thursday, July 27, 2017 3:41 PM

To: Johnston, Lauren A <lajohnston@burnsmcd.com>

Cc: Stratton, Robert D <Robert.D.Stratton@maine.gov>; Goodwin, Mark <magoodwin@burnsmcd.com>; Cordes, Robert <Robert.Cordes@maine.gov>; Kane, Douglas <Douglas.Kane@maine.gov>; Mosby, Cory E <Cory.E.Mosby@maine.gov>

Subject: RE: NECEC Northern Bog Lemming

Importance: High

Hi Lauren,

Cory, Bob, and I conferred this morning. Similar to Roaring Brook mayflies and northern spring salamander occurrence data, we have limited occurrence data for northern bog lemming (NBL) throughout the state, and the data we do accumulate tends to be driven by projects being developed in areas of suitable habitat within the geographic range of the species. So, as there have been extremely few projects in this region of the state, our data on species occurrence in this area is also sparse.

We are primarily concerned with any proposed development (clearing, blasting, installation of poles, etc.) in areas at elevations of approximately 1,000 feet or higher which also contain sphagnum—presumably these features were captured during the wetland delineations. While the preexisting protections afforded to streams through buffers could be valuable in protecting NBL populations, known occurrences of the species in the state are all within habitats containing a high percentage of sphagnum in the understory. Therefore, protection of stream buffers is not sufficient as a standalone option. As NBL is a State Threatened species (it has also been recently petitioned for Federal listing under the Endangered Species Act), our recommendations for this species are that the applicant note any potential habitat supporting NBL, and that they perform surveys to document presence/probable absence. Surveys can be conducted in one of two ways: 1) Transects can be walked through NBL habitat and document any presence of run-ways, latrines, and green scat, or 2) if a more definitive method of NBL survey is desired on the part of the applicant, scats can be collected and genetically analyzed to identify if they are NBL, or other species of rodents. Given their secretive nature and rareness, our recommendation is for qualified surveyors with experience searching for evidence of NBL in Maine. Our staff (Cory and our regional wildlife biologists (cc'd), pending their respective schedules) can assist them in expected survey methodology as well as possibly assist them in the field.

For a full description of the methods to conduct the level of genetic work please have surveyors contact Cory (207-941-4473). If evidence of lemmings is present either in the form of green scats, latrines, runways, and/or genetic confirmation, MDIFW will consider the area as occupied and recommend buffers accordingly. Consistent with other projects, MDIFW recommendations will be to avoid these wetlands, or to prove that bog lemmings are not present.

John

John Perry

Environmental Review Coordinator
Maine Department of Inland Fisheries and Wildlife
284 State Street, 41 SHS
Augusta, Maine 04333-0041
Tel (207) 287-5254; Cell (207) 446-5145
Fax (207) 287-6395
www.mefishwildlife.com



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From: Mosby, Cory E
Sent: Wednesday, July 26, 2017 3:09 PM
To: Johnston, Lauren A
Cc: Stratton, Robert D; Perry, John; Goodwin, Mark
Subject: RE: NECEC Northern Bog Lemming

Hi Lauren,

I just saw your message. Let me talk about this with some staff and I will get to you ASAP!

Cory

From: Johnston, Lauren A [<mailto:lajohnston@burnsmcd.com>]
Sent: Tuesday, July 25, 2017 1:45 PM
To: Mosby, Cory E
Cc: Stratton, Robert D; Perry, John; Goodwin, Mark
Subject: RE: NECEC Northern Bog Lemming

Hi again Cory,

After reading a bit more on the northern bog lemming, would protection of riparian areas be sufficient to protect this species? Consistent with CMP's vegetation maintenance program, CMP protects areas within 25 feet of top of bank of all streams and rivers crossed by limiting clearing to capable species with removal done by hand. Herbicide application is not permitted within the 25 foot buffer when surface water is present, and no accumulation of slash will be allowed within 25 feet of the resource. Within 100 feet of the top of bank of all streams and river crossed, no equipment refueling or maintenance will occur, and no herbicides will be stored, mixed or transferred, unless these activities take place on a public road.

Let me know if you think this species warrants additional protective measures.

Lauren Johnston, CPESC \ Burns & McDonnell

Senior Environmental Scientist

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From: Johnston, Lauren A

Sent: Tuesday, July 25, 2017 1:27 PM

To: 'Mosby, Cory E' <Cory.E.Mosby@maine.gov>

Cc: 'Stratton, Robert D' <Robert.D.Stratton@maine.gov>; Perry, John <John.Perry@maine.gov>; Goodwin, Mark (<magoodwin@burnsmcd.com>) <magoodwin@burnsmcd.com>

Subject: NECEC Northern Bog Lemming

Good Afternoon Cory,

I am taking a look at the northern bog lemming which is listed as state threatened in Maine. The northern section of the NECEC project may have suitable habitat for this species, however we have no occurrence data associated with the project area. Do you have any recommendations for avoidance of this elusive species?

Thanks very much!

Lauren Johnston, CPESC \ Burns & McDonnell

Senior Environmental Scientist

Mobile 207-272-7294 Office 207-517-8483

lajohnston@burnsmcd.com \ burnsmcd.com

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Johnston, Lauren A

From: Swartz, Beth <Beth.Swartz@maine.gov>
Sent: Thursday, July 27, 2017 12:55 PM
To: Perry, John; Johnston, Lauren A
Cc: Stratton, Robert D; Kemper, Keel; Goodwin, Mark
Subject: RE: NECEC GIS data question

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Lauren,

Yes, Keel and John are correct – the Rare Animal records are wood turtles (Special Concern). I also wanted to let you know that I am about three quarters of the way through reviewing the project footprint not only for intersections with listed species under the Reptile, Amphibian, and Invertebrate Group's jurisdiction, but also for potential concerns based on other species records in the vicinity of the project. I hope to have all this information summarized and to John Perry sometime next week. I have also started on the vernal pool reviews. It's going slowly because of other time conflicts, but I still hope to have them done by the end of August per your request. However, we should touch base again in a few weeks to confirm status of that review and how realistic the end of August completion date is at that point. I'll do my best.

beth

~~~~~  
**Beth I. Swartz**  
**Wildlife Biologist**  
Reptile, Amphibian, and Invertebrate Group  
Maine Department of Inland Fisheries and Wildlife  
650 State Street  
Bangor, ME 04401  
(207) 941-4476  
[mefishwildlife.com](http://mefishwildlife.com) | [facebook](#) | [twitter](#)

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**From:** Perry, John  
**Sent:** Thursday, July 27, 2017 12:41 PM  
**To:** Johnston, Lauren A (lajohnston@burnsmcd.com)  
**Cc:** Stratton, Robert D; Kemper, Keel; Swartz, Beth; Goodwin, Mark  
**Subject:** RE: NECEC GIS data question

Hi Lauren,

The rare animal polygons are wood turtle observations, which are a Species of Special Concern, although one of the polygons also slightly overlaps brook floater (State Threatened).

John

**John Perry**

Environmental Review Coordinator  
Maine Department of Inland Fisheries and Wildlife  
284 State Street, 41 SHS  
Augusta, Maine 04333-0041  
Tel (207) 287-5254; Cell (207) 446-5145  
Fax (207) 287-6395  
[www.mefishwildlife.com](http://www.mefishwildlife.com)



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**From:** Stratton, Robert D  
**Sent:** Thursday, July 27, 2017 10:44 AM  
**To:** Perry, John  
**Subject:** FW: NECEC GIS data question

---

**From:** Johnston, Lauren A [<mailto:lajohnston@burnsmcd.com>]  
**Sent:** Wednesday, July 26, 2017 12:40 PM  
**To:** Kemper, Keel  
**Cc:** Goodwin, Mark; Stratton, Robert D; Swartz, Beth  
**Subject:** RE: NECEC GIS data question

Good afternoon Keel,  
I should have included you on this email as it is within Region B. Perhaps you could assist in providing the information requested below.  
Thank you.

## Lauren Johnston, CPESC \ Burns & McDonnell

Senior Environmental Scientist

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**From:** Johnston, Lauren A  
**Sent:** Wednesday, July 26, 2017 12:34 PM  
**To:** 'Stratton, Robert D' <[Robert.D.Stratton@maine.gov](mailto:Robert.D.Stratton@maine.gov)>; Swartz, Beth <[Beth.Swartz@maine.gov](mailto:Beth.Swartz@maine.gov)>  
**Cc:** Goodwin, Mark ([magoodwin@burnsmcd.com](mailto:magoodwin@burnsmcd.com)) <[magoodwin@burnsmcd.com](mailto:magoodwin@burnsmcd.com)>  
**Subject:** NECEC GIS data question

Hi Bob and Beth,

We received GIS information of all known ETS occurrences that intersect with the NECEC project route. There are two features which are identified as "RARE ANIMAL"s and have survey sites for the Sheepscot River in Alna. I suspect they may be a mussel species. Do know which species we are looking at here?

|      |             |             |    |    |                 |      |
|------|-------------|-------------|----|----|-----------------|------|
| 679  | Rare Animal | RARE ANIMAL | G4 | S4 | Special Concern | Shee |
| 2697 | Rare Animal | RARE ANIMAL | G4 | S4 | Special Concern | Shee |

**Lauren Johnston, CPESC** \ Burns & McDonnell

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## Johnston, Lauren A

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**From:** Johnston, Lauren A  
**Sent:** Monday, July 31, 2017 10:29 AM  
**To:** 'Perry, John'  
**Cc:** Goodwin, Mark (magoodwin@burnsmcd.com); 'gerry.mirabile@cmpco.com' (gerry.mirabile@cmpco.com); 'Stratton, Robert D'  
**Subject:** NECEC Waterbody Crossing Table  
**Attachments:** Avangrid\_NECEC\_Project\_Overview Map.pdf

John:

We are developing a waterbody crossing table for the New England Clean Energy Connect Project (formerly known as QMI) Site Law Application. Can you provide some guidance on a couple of issues?

- 1) We have existing data on all stream crossings that were included in the application for the Maine Power Reliability Program. This would include the area between Surowiec Substation in Pownal north through Lewiston and to where the transmission line corridor enters the town of Jay (see attached map). The data was collected in 2007, 2008, and 2009 includes state water quality classifications and fishery types that were in part the result of consultations at that time. Can we make the assumption that these classifications and fishery types are still valid?
- 2) We currently do not have state water quality classifications or fishery types on the waterbodies in the project corridor from Coopers Mills in Windsor to Maine Yankee in Wiscasset and from the Jay town line north to the Canadian border. We need assistance with making these determinations. I found some state water quality classification information on line at the following link:

<http://www.arcgis.com/home/webmap/viewer.html?webmap=778125aba0294e60a8e125d9be4140aa&extent=-74.6491,41.8122,-63.8824,48.2027>

The ARCGIS data on this website does not include many of the smaller streams. In these instances, are the classifications and fishery types of the larger waterbodies extended to their tributaries? We are trying to develop as much data on the waterbodies crossed by the project corridors before we begin sending requests to the regional fisheries biologists asking for help in identifying missing classifications and fishery types.

Thanks,

### Lauren Johnston, CPESC \ Burns & McDonnell

Senior Environmental Scientist

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## Johnston, Lauren A

---

**From:** Leppold, Adrienne J <Adrienne.J.Leppold@maine.gov>  
**Sent:** Friday, August 04, 2017 3:10 PM  
**To:** Johnston, Lauren A  
**Subject:** RE: NECEC Rusty Blackbird Occurrence

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Hi Lauren,  
Let me look into this a little further. I'll get back to you next week.  
Best,  
Adrienne

---

**From:** Johnston, Lauren A [mailto:lajohnston@burnsmcd.com]  
**Sent:** Friday, August 04, 2017 1:10 PM  
**To:** Leppold, Adrienne J  
**Cc:** Stratton, Robert D; Perry, John; Goodwin, Mark  
**Subject:** RE: NECEC Rusty Blackbird Occurrence

Good morning Adrienne,

Very close to the Rusty blackbird location, we have Bicknell's thrush habitat that appears to coincide with Coburn Mountain. Please find the attached map. Based our research of this species, it appears to be advantageous to avoid clearing within the habitat between June 1 and August 15 (the nesting/fledgling season). Do you concur?

Thank you.

### Lauren Johnston, CPESC \ Burns & McDonnell

Senior Environmental Scientist

Mobile 207-272-7294 Office 207-517-8483

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**From:** Leppold, Adrienne J [mailto:Adrienne.J.Leppold@maine.gov]  
**Sent:** Thursday, August 03, 2017 4:38 PM  
**To:** Johnston, Lauren A <lajohnston@burnsmcd.com>  
**Cc:** Stratton, Robert D <Robert.D.Stratton@maine.gov>; Perry, John <John.Perry@maine.gov>; Goodwin, Mark <magoodwin@burnsmcd.com>  
**Subject:** RE: NECEC Rusty Blackbird Occurrence

Hi Lauren,

Thanks for the revised image. That helps a lot. I don't have any concerns with the activities occurring since they appear to be completely out of any likely RUBL habitat, however, it would be good if you could avoid cutting this plot from April 30-June 30 (essentially, avoid the months of May and June). They can nest in the same place each year provided habitat is available and it appears to be from google earth (they like dense, early successional coniferous growth). They are just easily disturbed so noise and commotion nearby could push them out of this area. They are the most neophobic species I have ever worked with. Once cut, though, they shouldn't be affected.

Thanks for checking!  
Adrienne

---

**From:** Johnston, Lauren A [<mailto:lajohnston@burnsmcd.com>]  
**Sent:** Thursday, August 03, 2017 1:56 PM  
**To:** Leppold, Adrienne J  
**Cc:** Stratton, Robert D; Perry, John; Goodwin, Mark  
**Subject:** RE: NECEC Rusty Blackbird Occurrence

Adrienne,

Thanks for your quick response. I marked up the attachment I included in the last email with some additional information. I also turned on the wetland layer. Please note that the wetlands shown on the map are delineated only within our corridor and 100-feet on either side. Based on aerial photography, the center point of the polygon appears to have a stream and associated wetlands throughout. Clearing will occur within the light pink shaded areas for a width of 150-feet.

Please let me know if you need additional information, thanks again!

**Lauren Johnston, CPESC** \ Burns & McDonnell

Senior Environmental Scientist

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**From:** Leppold, Adrienne J [<mailto:Adrienne.J.Leppold@maine.gov>]  
**Sent:** Thursday, August 03, 2017 1:25 PM  
**To:** Johnston, Lauren A <[lajohnston@burnsmcd.com](mailto:lajohnston@burnsmcd.com)>  
**Cc:** Stratton, Robert D <[Robert.D.Stratton@maine.gov](mailto:Robert.D.Stratton@maine.gov)>; Perry, John <[John.Perry@maine.gov](mailto:John.Perry@maine.gov)>; Goodwin, Mark <[magoodwin@burnsmcd.com](mailto:magoodwin@burnsmcd.com)>  
**Subject:** RE: NECEC Rusty Blackbird Occurrence

Lauren,

It appears that this is a single documented occurrence of a breeding pair in 2007, however, after reviewing the google earth imagery, the habitat looks like it would still support birds. Just because I am unfamiliar with this specific area, could you clarify for me, where exactly the transmission line is in relation to the RUBL record and swampy habitat adjacent to the roads. That will help me in answering the rest of your questions.

Best,  
Adrienne

---

**From:** Johnston, Lauren A [<mailto:lajohnston@burnsmcd.com>]  
**Sent:** Thursday, August 03, 2017 11:27 AM  
**To:** Leppold, Adrienne J  
**Cc:** Stratton, Robert D; Perry, John; Goodwin, Mark  
**Subject:** NECEC Rusty Blackbird Occurrence

Hi Adrienne,

Can you tell me a little bit more about this (attached) documented occurrence of the Rusty blackbird? Is this considered habitat or is it an individual occurrence? It appears to be already bisected by two roads, Hardscrabble and Grace Pond Road. The transmission line corridor will be cleared to a width of 150-feet at this location and after construction the corridor will be managed as shrub/scrub early successional habitat. Clearing activities seem to be the potential concern here, could you tell me if this species is fairly adaptable to human activity? Do they nest in the same location each year? Is there a time of year in which activity should be avoided for this species?

Please let me know if you need further information.  
Thank you for your assistance.

**Lauren Johnston, CPESC** \ Burns & McDonnell

Senior Environmental Scientist

Mobile 207-272-7294 Office 207-517-8483

[lajohnston@burnsmcd.com](mailto:lajohnston@burnsmcd.com) \ burnsmcd.com

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**From:** Johnston, Lauren A  
**To:** "Swartz, Beth"  
**Cc:** Czapiga, Jason; Perry, John; deMaynadier, Phillip; "gerry.mirabile@cmpco.com" (gerry.mirabile@cmpco.com); "Marquis, Adam"; Goodwin, Mark (magoodwin@burnsmcd.com)  
**Subject:** RE: Part 2: NECEC vernal pool questions  
**Date:** Thursday, August 17, 2017 2:59:00 PM  
**Attachments:** [NECEC Vernal Pool List\\_8.17.17.xlsx](#)  
[image001.png](#)  
[image002.png](#)  
[image003.png](#)  
[image004.png](#)  
[image005.jpg](#)  
[image006.png](#)

---

Beth,

Thank you for the quick turnaround on this review. I have forwarded the missing information request to Boyle to provide to you directly. I have attached a spreadsheet of all vernal pools within the NECEC corridor to assist you with data entry.

Please contact me with any additional questions as they arise.

Thank you.

## Lauren Johnston, CPESC \ Burns & McDonnell

Senior Environmental Scientist

Mobile 207-272-7294 Office 207-517-8483

[lajohnston@burnsmcd.com](mailto:lajohnston@burnsmcd.com) \ [burnsmcd.com](http://burnsmcd.com)

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---

**From:** Swartz, Beth [mailto:[Beth.Swartz@maine.gov](mailto:Beth.Swartz@maine.gov)]

**Sent:** Wednesday, August 16, 2017 4:33 PM

**To:** Johnston, Lauren A <[lajohnston@burnsmcd.com](mailto:lajohnston@burnsmcd.com)>

**Cc:** Czapiga, Jason <[Jason.Czapiga@maine.gov](mailto:Jason.Czapiga@maine.gov)>; Perry, John <[John.Perry@maine.gov](mailto:John.Perry@maine.gov)>; deMaynadier, Phillip <[Phillip.deMaynadier@maine.gov](mailto:Phillip.deMaynadier@maine.gov)>

**Subject:** Part 2: NECEC vernal pool questions

Lauren,

See below for a list of specific questions and missing data on the remainder of the vernal pool assessment forms for NECEC. Once this information is received, MDIFW should be able to complete its review of the entire set of forms that were submitted. Please coordinate and provide MDIFW with a response to these questions as soon as possible.

Be aware that there may be additional questions and requests for missing data during MDIFW's data entry and vernal pool mapping process, which will originate from Jason Czapiga of this office. These steps, as well as formal notification of pool status to both DEP

and the applicant, will not likely be completed prior to your application deadline at the end of August. However, MDIFW will provide both parties with a list of our status determinations by project vernal pool ID. **This process could be greatly expedited if the applicant has and could provide us with a spreadsheet listing all of the project pools by their ID number.**

**Specific Items Needing Attention:**

1. VP-111-01 (Farmington): missing straddle pool information and % pool surveyed
2. VP-111-02 (Farmington): please confirm the number of wood frog egg masses observed on the first visit (form illegible)
3. VP-111-03 (Farmington): please send photos of pool if available
4. VP-111-04 and VP-111-05 (Farmington): please resend photos of both pools if available; currently the same photo is attached to the forms for both pools (photo does not fit description for VP-111-04)
5. VP-114-02: missing township, straddle pool information and % pool surveyed
6. VP-116-04: missing township; please confirm the number of spotted salamander egg masses observed (form illegible) – may imply only spermatophores observed?
7. VP-118-02: missing all but first page of MPRP VP Documentation Form; no data form for 2017 visit
8. VP-118-03 (unknown township): please confirm if this pool is a straddle pool and if the 50+ WF egg masses observed were in a portion of the pool that applicant had permission to survey (comments suggest either these or an additional raft of 50+ masses may have been “outside the project area”)
9. VP-118-04 (unknown township): please confirm if this pool is a straddle pool
10. VP-119-03: missing all but first page of MPRP VP Documentation Form; no data form for 2017 visit
11. VP-127-04: missing township and second survey date
12. VP-128-07: missing second and third survey dates
13. VP-130-12: missing second survey date; please confirm wood frog egg mass number on second survey (67?)
14. VP-135-03: missing all but first page of MPRP VP Documentation Form; first page is barely legible (too light); no data form for 2017 visit
15. VP-135-05: missing all but first page of MPRP VP Documentation Form; first page is barely legible (too light); no data form for 2017 visit
16. VP-136-01: missing all but first page of MPRP VP Documentation Form; no data form for 2017 visit
17. VP-136-04: missing all but first page of MPRP VP Documentation Form; no data form for 2017 visit
18. VP-136-08: missing all but first page of MPRP VP Documentation Form; no data form for 2017 visit
19. VP-140-01: missing township
20. VP-140-02: missing all but first page of MPRP VP Documentation Form; no data form for 2017 visit
21. VP-140-11: missing township and survey date for second visit
22. SVP-143-03: form gives two survey dates but data for only one visit is recorded;

please confirm which date the data corresponds to (appears to be 5/2) and provide missing data for first visit if available

23. SVP-169-01: missing survey date
24. VP-173-02: missing second survey date
25. VP-182-02 (Wiscasset): please confirm if this is a straddle pool and if 100% of the applicant's ownership or control was surveyed; missing data for second survey
26. VP- Perron-2 (Lewiston): missing page 3

Please contact me if you have any questions,  
beth

~~~~~

Beth I. Swartz
Wildlife Biologist

Reptile, Amphibian, and Invertebrate Group
Maine Department of Inland Fisheries and Wildlife
650 State Street
Bangor, ME 04401
(207) 941-4476

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From: [Heather Storlazzi Ward](#)
To: "Swartz, Beth"
Cc: jared@boyleassociates.net; "Chad Flinkstrom"; dprice@boyleassociates.net; Scott@DirigoPartnersLtd.com; [Johnston, Lauren A](mailto:Johnston,Lauren.A); "Marquis, Adam"; Goodwin, Mark; gerry.mirabile@cmpco.com; jcampisi@cea-inc.com; jboyle@boyleassociates.net
Subject: NECEC VP Information
Date: Wednesday, August 23, 2017 2:04:14 PM
Attachments: [IFW VP Informaiton NECEC Part 1 Final.pdf](#)
[IFW VP Information NECEC Part 2 Final..docx.pdf](#)

Hi Beth,

Attached please find the responses to your list of questions that were emailed in 2 parts. You will see that we answered them in conformance with your emailed lists.

As noted in our phone conversation earlier today, you have received the hardcopies of the photos. We will look into the photos for: Items #2 (VP-66-38), #5 (VP-74-3), and #17 (VP-80-6) and get them to you.

The final item you await are the complete data forms for eleven VPs. Please expect these via email very soon!

Please do not hesitate to contact me if I can be of assistance. Thanks.

Heather Storlazzi Ward, NHCWS, CPESC

Boyle Associates

Senior Wetland Scientist/Project Manager

Cell # 207-317-6630

www.boyleassociates.net

Johnston, Lauren A

From: Jared Boyle <jared@boyleassociates.net>
Sent: Thursday, August 24, 2017 6:31 AM
To: beth.swartz@maine.gov
Cc: 'Heather Storlazzi Ward'; Johnston, Lauren A; 'Marquis, Adam'; gerry.mirabile@cmpco.com; 'Joe Campisi'; ken@dirigopartnersltd.com; 'Scott Emery'; 'Czapiga, Jason'; phillip.demaynadier@maine.gov
Subject: FW: forms for 2nd round of IF&W questions PART 1
Attachments: SVP-111-04.pdf; SVP-118-02.pdf; SVP-119-03.pdf; SVP-135-03.pdf; SVP-136-01.pdf

Hi Beth,

Here is the final email of data forms.

Please let me know if there is anything else we can provide to you.

Thank you,

Jared Boyle

Wetland Scientist/Project Manager
(207)274-4222

Boyle Associates a subsidiary of **CEA Inc.**

11 Main Street, Ste 7 PMB #185

Westbrook, ME 04092-4786

www.boyleassociates.net

Johnston, Lauren A

From: Jared Boyle <jared@boyleassociates.net>
Sent: Thursday, August 24, 2017 6:30 AM
To: beth.swartz@maine.gov
Cc: 'Heather Storlazzi Ward'; Johnston, Lauren A; 'Marquis, Adam'; gerry.mirabile@cmpco.com; 'Joe Campisi'; ken@dirigopartnersltd.com; 'Scott Emery'; 'Czapiga, Jason'; phillip.demaynadier@maine.gov
Subject: FW: forms for 2nd round of IF&W questions PART 2
Attachments: SVP-136-04.pdf; SVP-140-02.pdf; SVP-Perron-02.pdf; VP-111-03.pdf; VP-111-05.pdf; VP-135-05.pdf

Hi Beth,

Here is the second of three emails with data forms included.

Thanks,

Jared Boyle

Wetland Scientist/Project Manager
(207)274-4222

Boyle Associates a subsidiary of **CEA Inc.**

11 Main Street, Ste 7 PMB #185

Westbrook, ME 04092-4786

www.boyleassociates.net

From: [Jared Boyle](#)
To: beth.swartz@maine.gov
Cc: "[Heather Storlazzi Ward](#)"; [Johnston, Lauren A](#); "[Marquis, Adam](#)"; gerry.mirabile@cmpco.com; "[Joe Campisi](#)"; ken@dirigopartnersltd.com; "[Scott Emery](#)"; "[Czapiga, Jason](#)"; phillip.demaynadier@maine.gov
Subject: FW: forms for 1st round of IF&W questions
Date: Thursday, August 24, 2017 6:30:38 AM
Attachments: [SVP-PERRON-2.pdf](#)
[VP-66-101_Full_form.pdf](#)
[VP-86-13-HSW-Updated.pdf](#)

Hi Beth,

This is the first batch of three emails I will send along with the requested data forms attached.

Please let me know if there is anything else that you need from us. Thank you,

Jared Boyle

Wetland Scientist/Project Manager
(207)274-4222

Boyle Associates a subsidiary of **CEA Inc.**

11 Main Street, Ste 7 PMB #185

Westbrook, ME 04092-4786

www.boyleassociates.net

MEMORANDUM OF CONVERSATION New England Clean Energy Connect (NECEC)

Contact: John Perry, Cory Mosby, and Charlie Todd
Title: Biologists
Affiliation: MDIFW
Date: September 1, 2017

Attendees: Gerry Mirabile, CMP
Lauren Johnston, BMCD
Mark Goodwin, BMCD
John Perry, MDIFW
Cory Mosby, MDIFW
Charlie Todd, MDIFW

Discussion:

In summary, the teleconference was held to discuss email consultation between Burns & McDonnell (BMCD) and Maine Department of Inland Fisheries and Wildlife (MDIFW) and discuss the agency's recommendations regarding the Northern Bog Lemming (NBL) in the areas of the New England Clean Energy Connect (NECEC) Project.

Lauren Johnston started off stating that CMP would like to know more about management strategies for the NBL, and to learn more about habitat requirements and buffers. Previous recommendations from MDIFW, were to consider all wetlands over 1,000 feet in elevation with a high percentage of sphagnum moss, as potential NBL habitat. Lauren stated there are over 1,200 wetlands which meet the 1,000-foot elevation criteria and the wetland data sheets indicate sphagnum may be listed as a vegetation component, however, it does not give a percentage to determine that sphagnum is the dominant cover type. The data sheets are not digitized, so a hand review of the sheets would be required to narrow the potential habitat areas within the NECEC project area.

Cory Mosby discussed habitat requirements of the NBL: the area immediately surrounding sphagnum bogs with floating vegetation and near areas of spruce forest with a high degree of moss and sedge.

Charlie Todd indicated there are only 5 documented sites in Maine. The NBL was listed under the MESA as a threatened species in 1987, and currently under review federally under ESA. Review of this species could take 5 years for a decision under ESA.

Charlie Todd stated that the NBL range is from southern Somerset County to Piscataquis County and that the project is in the middle of the NBL's apparent range in Maine and that they are typically found at higher elevations in sphagnum rich habitat under conifer cover in cool moist sites. Charlie Todd stated there is little likelihood it would be found in existing corridors and that it is really the portion of the project that is in new corridor.

The MDIFW group indicated they had looked at aerial imagery and the terrain along the new corridor and there are areas of potential habitat with strong conifer components is isolated to higher elevations and that much of the lower elevation habitat consisted primarily of hardwoods. Cory Mosby stated that

there is not a single known NBL occurrence associated with hardwood forests in the state of Maine and that transmission line construction through areas that are primarily hardwood forest is not a larger concern for IF&W.

Mark Goodwin asked if there was a certain aerial cover or depth of sphagnum that may be required for the NBL. MDIFW responded that it varies across the known 5 sites, however at high elevations there is 20-30% sphagnum cover with a high percentage of sedge and krummholz and at lower elevations there is an over-story of spruce with a strong component sphagnum.

Lauren Johnston inquired about the reference to buffers in previous email correspondence. Charlie Todd indicated there is “no inflexible standard” and the only precedent project was a wind power development in which they had a ¼ mile setback. Charlie Todd indicated that there is flexibility based on the project, however they would likely require more extensive buffers than CMP’s typical riparian setbacks. Charlie Todd then asked for a topo image showing streams and contours or a digital file that they could import into google earth or their own GIS and stated that they could refine their screening and provide better detail and narrow down the locations they suspect would contain potential habitat. Lauren Johnston indicated that a .kmz file would be provided (note: IF&W has been previously provided digital route data). Charlie Todd indicated that the higher elevation areas near Parlin Pond, Johnston Mountain, and Coburn Mountain are areas they would focus on.

Gerry Mirabile stated that given that the route is well established and there is limited flexibility of the corridor itself but that the pole locations can be sited in a manner to minimize and avoid impacts with limits (e.g., topography, etc.) and asked, if we knew of NBL occurrence in a particular area, what would IF&W ask CMP to do to minimize impact? Charlie Todd responded that the approach would be to avoid, minimize, and mitigate in that sequence. Generally, MDIFW did not have specific construction standards, however they did indicate that a discovery would “not be a project stopper.”

Mark Goodwin stated that spans between structures are approximately 900-feet for the HVDC line, in which MDIFW indicated that would be a big help in reducing potential impact to the species. If there is an occurrence, Charlie Todd stated that IF&W would want to maintain the habitat to the greatest extent practicable but that they would have to develop mitigative strategies upon identification of an occurrence because there is currently no precedence for mitigation. Off-site mitigation would be possible but not likely due to the limited number of known occurrences. Charlie Todd intimated that a research study of the species may be a form of potential mitigation.

Gerry Mirabile asked if there was a distinction between direct and indirect (ie. permanent fill from structures vs. temporary fill from access) impacts. Charlie Todd stated that he wasn’t sure that he could answer that and that it might not make sense to make that assessment until IF&W had looked at the project route more closely and that if habitat was identified fine tuning of access and pole placement could possibly occur at that time. Gerry also stated that indirect impact through the placement of crane mats would be the more likely impact as opposed to structure installation.

Charlie Todd asked if the new corridor was parallel to existing roads. Lauren Johnston responded that the areas in the greenfield portions of the corridor are intensively managed for timber and that there were logging roads throughout the area.

At the close of the conversation, MDIFW stated they will review the .kmz file to target areas in which further analysis should be conducted for potential habitat. BMCD will review the wetland data sheets for those areas to try to determine wetland types and the presence of sphagnum and the possible NBL habitat.

MDFIW stated they will provide quick feedback regarding the aerial review and the group will continue to work with CMP and the project.

From: Johnston, Lauren A
To: "Swartz, Beth"
Cc: [Czapiga, Jason](#); [Perry, John](#); [deMaynadier, Phillip](#); "gerry.mirabile@cmpco.com" (gerry.mirabile@cmpco.com); [Marquis, Adam](#); [Goodwin, Mark](#)
Subject: RE: NECAC vernal pool status determinations
Date: Friday, September 08, 2017 3:24:00 PM
Attachments: [image019.jpg](#)
[image020.jpg](#)
[image021.jpg](#)
[image022.jpg](#)
[image023.jpg](#)
[image024.jpg](#)
[image003.png](#)
[image007.png](#)
[image011.png](#)
[image014.png](#)
[image016.jpg](#)
[image018.png](#)

Thank you Beth. Your efforts to help us meet our application submission deadline are very much appreciated.

We will incorporate the determinations into our GIS data and utilize this initial information to help us accurately assess impacts and mitigation.

As you noted below, the spreadsheet which we previously provided included all pools within the project corridors. For the purposes of MDIFW's review, the forms provided by Boyle Associates included natural pools which met the egg mass criteria and excluded corps jurisdictional pools. When we pulled the spreadsheet from our GIS database, there was not an easy way to differentiate so we included all types. In our review of the project, we will include and evaluate pools that have been previously designated SVP's and PSVP's.

Thanks again for your assistance and we will look forward to the notification letters.

Lauren Johnston, CPESC \ Burns & McDonnell

Senior Environmental Scientist

Mobile 207-272-7294 Office 207-517-8483

lajohnston@burnsmcd.com \ burnsmcd.com

27 Pearl Street \ Portland, ME 04101



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From: Swartz, Beth [mailto:Beth.Swartz@maine.gov]

Sent: Wednesday, September 06, 2017 11:27 AM

To: Johnston, Lauren A <lajohnston@burnsmcd.com>

Cc: Czapiga, Jason <Jason.Czapiga@maine.gov>; Perry, John <John.Perry@maine.gov>; deMaynadier, Phillip <Phillip.deMaynadier@maine.gov>; 'gerry.mirabile@cmpco.com'

(gerry.mirabile@cmpco.com) <gerry.mirabile@cmpco.com>; Marquis, Adam <adam.marquis@cmpco.com>; Goodwin, Mark <magoodwin@burnsmcd.com>

Subject: NECAC vernal pool status determinations

Lauren,

Attached is a spreadsheet listing MDIFW's determinations for the ~160 vernal pool assessment forms submitted on behalf of the NECEC project. While I was careful to avoid transcription errors, please be aware that the official status of these pools is still to be documented by DEP in notifications to the applicant. This likely will not occur for several weeks or more, as all of the data must now be mapped and entered into the vernal pool database, and notification letters prepared.

We are assuming that the significant number of pools listed on the spreadsheet you provided for which assessment forms were NOT submitted are either not part of the project or perhaps are confirmed man-made pools that did not meet egg mass criteria – and thus were not included in the package. If this is not the case and there are pools missing from our review, you will need to provide the missing forms to MDIFW.

Please also be aware that there are a number of vernal pools previously designated as Significant or Potentially Significant by other initiatives that fall within the NECAC project area boundaries – some of which may overlap with NECAC pools. MDIFW will include these existing SVPs/PSVPs in our review of the project, in addition to the pools submitted by NECAC.

Feel free to contact me if you have any questions,
beth swartz

~~~~~  
**Beth I. Swartz**  
**Wildlife Biologist**  
Reptile, Amphibian, and Invertebrate Group  
Maine Department of Inland Fisheries and Wildlife  
650 State Street  
Bangor, ME 04401  
(207) 941-4476  
[mefishwildlife.com](http://mefishwildlife.com) | [facebook](https://www.facebook.com) | [twitter](https://twitter.com)

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---

**From:** Johnston, Lauren A [<mailto:lajohnston@burnsmcd.com>]  
**Sent:** Tuesday, September 05, 2017 11:36 AM  
**To:** Swartz, Beth  
**Cc:** Czapiga, Jason; Perry, John; deMaynadier, Phillip; 'gerry.mirabile@cmpco.com' ([gerry.mirabile@cmpco.com](mailto:gerry.mirabile@cmpco.com)); Marquis, Adam; Goodwin, Mark  
**Subject:** RE: Part 2: NECEC vernal pool questions

Good Morning Beth,  
Could you please provide a status update on the NECEC vernal pool determinations?  
Thank you for your help on this effort.

**Lauren Johnston, CPESC \ Burns & McDonnell**

Senior Environmental Scientist

Mobile 207-272-7294 Office 207-517-8483

[lajohnston@burnsmcd.com](mailto:lajohnston@burnsmcd.com) \ [burnsmcd.com](http://burnsmcd.com)

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From: [Lauren Johnston](#)  
 To: [Donna Wilbur](#)  
 Cc: [Lauren Johnston](#)  
 Subject: [NECEC Project](#)  
 Date: Wednesday, September 12, 2017 10:38 AM  
 Attachments: [NECEC Project](#)

Hi Lauren,

Following up on our phone conversation, you should use the Water Classification statutory language as the ultimate authority regarding classifications, as it is possible that the online map could have errors. In the case of Gold Brook, my understanding is that it is in the drainage of the Dead River via the North Branch of the Dead River, in which case you would cite Title 38 MS §407.4-021 Dead River, Tributaries - Class A unless otherwise specified (no exception is listed for Gold Brook).

You would use this same approach for all stream crossings. I suggest including the statutory reference in your table.

Hope that helps.

Don

**Don Wilbur**  
 Director, Division of Environmental Assessment  
 Bureau of Water Quality  
 Maine Department of Environmental Protection  
 17 State House Station, Augusta, ME 04333  
 (207) 287-6161  
[don.wilbur@dep.state.me.us](mailto:don.wilbur@dep.state.me.us)

From: Johnston, Lauren A [<mailto:ljohnston@burnmed.com>]  
 Sent: Tuesday, September 12, 2017 8:21 AM

To: Wilbur, Donald T <[DWilbur@maine.gov](mailto:DWilbur@maine.gov)>  
 Cc: Goodwin, Mark <[mgoodwin@burnmed.com](mailto:mgoodwin@burnmed.com)>; Moore, James <[jmoore@burnmed.com](mailto:jmoore@burnmed.com)>  
 Subject: FW: Waterbody classification for NECEC Project

Good Morning Don,  
 John Perry, MDWF, pointed me in your direction to answer some questions regarding state water body classifications. I am compiling waterbody information for a Site Law permit which we plan to submit for Central Maine Power (CMP) New England Clean Energy Connect (NECEC) project.

As explained in previous correspondence, below, we have obtained waterbody classifications from the following source:

<https://www.maine.gov/dep/water/quality/waterbodyclassifications.html> from <http://www.maine.gov/dep/water/quality/waterbodyclassifications.html>

Many of the waterbodies which intersect the project do not have State water classification designations and are tributaries to larger streams. In an effort to fill out the table, can you tell me if it is appropriate to assume that if the main stream has a state classification, that we can assign that same level of classification to any associated tributaries. An example of one scenario:

| Segment | Town         | MDWF Region | FeatureID | Stream Name         | Ave. Stream Width (ft) | State Water Class | Atlantic Salmon DPS (Y/N) | Atlantic Salmon Critical Habitat (Y/N) | Brook Trout (Y/N)          | Distance to Nearest Structure (ft) | Width of Existing Maintained Corridor (ft) | Width of Additional Corridor Clearing (ft) | Temporary Equipment Crossing |
|---------|--------------|-------------|-----------|---------------------|------------------------|-------------------|---------------------------|----------------------------------------|----------------------------|------------------------------------|--------------------------------------------|--------------------------------------------|------------------------------|
| 1       | Appleton Twp | E           | 078-15-07 | Gold Brook          | 15.0                   | A                 | Y                         | N                                      | Libby Brook Trout Habitat* | 248.2                              | 0.0                                        | 150.0                                      | N                            |
| 1       | Appleton Twp | E           | 078-15-09 | Trib. to Gold Brook | 2.0                    | Y                 | N                         | N                                      | Habitat*                   | 223.5                              | 0.0                                        | 150.0                                      | N                            |
| 1       | Appleton Twp | E           | 078-15-20 | Trib. to Gold Brook | 2.0                    | Y                 | N                         | N                                      | N/A                        | 225.9                              | 0.0                                        | 150.0                                      | N                            |
| 1       | Appleton Twp | E           | 078-15-22 | Trib. to Gold Brook | 2.0                    | Y                 | N                         | N                                      | N/A                        | 197.1                              | 0.0                                        | 150.0                                      | N                            |
| 1       | Appleton Twp | E           | 078-15-28 | Trib. to Gold Brook | 2.0                    | N                 | N                         | N                                      | N/A                        | 382.3                              | 0.0                                        | 150.0                                      | N                            |
| 1       | Appleton Twp | E           | 078-15-29 | Gold Brook          | 0.0                    | A                 | Y                         | N                                      | Libby Brook Trout Habitat* | 185.5                              | 0.0                                        | 150.0                                      | N                            |
| 1       | Appleton Twp | E           | 078-16-01 | Gold Brook          | 25.0                   | A                 | Y                         | N                                      | Libby Brook Trout Habitat* | 32.1                               | 0.0                                        | 150.0                                      | N                            |
| 1       | Appleton Twp | E           | 078-16-07 | Trib. to Gold Brook | 10.0                   | A                 | Y                         | N                                      | Libby Brook Trout Habitat* | 178.0                              | 0.0                                        | 150.0                                      | N                            |
| 1       | Appleton Twp | E           | 078-16-20 | Trib. to Gold Brook | 2.0                    | A                 | Y                         | N                                      | Libby Brook Trout Habitat* | 313.1                              | 0.0                                        | 150.0                                      | N                            |
| 1       | Appleton Twp | E           | 078-16-26 | Trib. to Gold Brook | 2.0                    | A                 | Y                         | N                                      | Libby Brook Trout Habitat* | 225.5                              | 0.0                                        | 150.0                                      | N                            |
| 1       | Appleton Twp | E           | 078-16-24 | Trib. to Gold Brook | 4.0                    | A                 | Y                         | N                                      | Libby Brook Trout Habitat* | 175.6                              | 0.0                                        | 150.0                                      | N                            |

Please give me a call if you'd like to discuss further.  
 Thanks!

**Lauren Johnston, CPESC** | Burns & McDonnell  
 Senior Environmental Geologist  
 Mobile 207-272-7234 Office 207-517-6463  
[ljohnston@burnmed.com](mailto:ljohnston@burnmed.com) | [burnmed.com](http://burnmed.com)

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From: Perry, John [<mailto:john.perry@maine.gov>]  
 Sent: Monday, September 11, 2017 5:53 PM

To: Johnston, Lauren A <[ljohnston@burnmed.com](mailto:ljohnston@burnmed.com)>  
 Cc: Moore, James <[jmoore@burnmed.com](mailto:jmoore@burnmed.com)>; Goodwin, Mark <[mgoodwin@burnmed.com](mailto:mgoodwin@burnmed.com)>  
 Subject: RE: Waterbody classification for NECEC Project

Hi Lauren,

Regarding the waterbody classification, I suggest you contact Don Wilbur, Director, Division of Environmental Assessment at DEP. I believe someone in his group will be able to assist you as it falls under their purview. His contact is [Donald.T.Wilbur@maine.gov](mailto:Donald.T.Wilbur@maine.gov)

As far as brook trout: yes, assume if brook trout have been mapped in the larger waterbodies that they will also be in the smaller tributaries.

John

From: Johnston, Lauren A [<mailto:ljohnston@burnmed.com>]  
 Sent: Friday, September 08, 2017 1:56 PM

To: Perry, John <[john.perry@maine.gov](mailto:john.perry@maine.gov)>  
 Cc: Wilbur, Donald T <[DWilbur@maine.gov](mailto:DWilbur@maine.gov)>  
 Subject: Waterbody classification for NECEC Project

Hi John,

We are creating a waterbody table for the NECEC Site Law application. We have identified all the waterbodies (perennial/intermittent streams, rivers, and open waters) within the project area and provided names, widths, types, identification of Atlantic salmon and brook trout habitat (where available), clearing widths within the associated corridor, and proposed temporary equipment crossings (bridge spans).

Additionally, we have obtained waterbody classifications from the following source:

<https://www.maine.gov/dep/water/quality/waterbodyclassifications.html> from <http://www.maine.gov/dep/water/quality/waterbodyclassifications.html>

Many of the waterbodies which intersect the project do not have State water classification designations and are tributaries to larger streams. In an effort to fill out the table, can you tell me if it is appropriate to assume that if the main stream has a state classification that we can assign that same level of classification to any associated tributaries.

Can we also use this logic with the Brook Trout designation? This layer was provided by MDWF and again, identifies only the larger waterbodies.

| Segment | Town         | MDWF Region | FeatureID | Stream Name         | Ave. Stream Width (ft) | State Water Class | Atlantic Salmon DPS (Y/N) | Atlantic Salmon Critical Habitat (Y/N) | Brook Trout (Y/N)          | Distance to Nearest Structure (ft) | Width of Existing Maintained Corridor (ft) | Width of Additional Corridor Clearing (ft) | Temporary Equipment Crossing |
|---------|--------------|-------------|-----------|---------------------|------------------------|-------------------|---------------------------|----------------------------------------|----------------------------|------------------------------------|--------------------------------------------|--------------------------------------------|------------------------------|
| 1       | Appleton Twp | E           | 078-15-07 | Gold Brook          | 15.0                   | A                 | Y                         | N                                      | Libby Brook Trout Habitat* | 248.2                              | 0.0                                        | 150.0                                      | N                            |
| 1       | Appleton Twp | E           | 078-15-09 | Trib. to Gold Brook | 2.0                    | Y                 | N                         | N                                      | Habitat*                   | 223.5                              | 0.0                                        | 150.0                                      | N                            |
| 1       | Appleton Twp | E           | 078-15-20 | Trib. to Gold Brook | 2.0                    | Y                 | N                         | N                                      | N/A                        | 225.9                              | 0.0                                        | 150.0                                      | N                            |
| 1       | Appleton Twp | E           | 078-15-22 | Trib. to Gold Brook | 2.0                    | Y                 | N                         | N                                      | N/A                        | 197.1                              | 0.0                                        | 150.0                                      | N                            |
| 1       | Appleton Twp | E           | 078-15-28 | Trib. to Gold Brook | 2.0                    | N                 | N                         | N                                      | N/A                        | 382.3                              | 0.0                                        | 150.0                                      | N                            |
| 1       | Appleton Twp | E           | 078-15-29 | Gold Brook          | 0.0                    | A                 | Y                         | N                                      | Libby Brook Trout Habitat* | 185.5                              | 0.0                                        | 150.0                                      | N                            |
| 1       | Appleton Twp | E           | 078-16-01 | Gold Brook          | 25.0                   | A                 | Y                         | N                                      | Libby Brook Trout Habitat* | 32.1                               | 0.0                                        | 150.0                                      | N                            |
| 1       | Appleton Twp | E           | 078-16-07 | Trib. to Gold Brook | 10.0                   | A                 | Y                         | N                                      | Libby Brook Trout Habitat* | 178.0                              | 0.0                                        | 150.0                                      | N                            |
| 1       | Appleton Twp | E           | 078-16-20 | Trib. to Gold Brook | 2.0                    | A                 | Y                         | N                                      | Libby Brook Trout Habitat* | 313.1                              | 0.0                                        | 150.0                                      | N                            |
| 1       | Appleton Twp | E           | 078-16-26 | Trib. to Gold Brook | 2.0                    | A                 | Y                         | N                                      | Libby Brook Trout Habitat* | 225.5                              | 0.0                                        | 150.0                                      | N                            |
| 1       | Appleton Twp | E           | 078-16-24 | Trib. to Gold Brook | 4.0                    | A                 | Y                         | N                                      | Libby Brook Trout Habitat* | 175.6                              | 0.0                                        | 150.0                                      | N                            |

Thank you,

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## **Exhibit 7-2: Deer Wintering Areas within NECEC Project**

**Table 7-2: DWA's Intersected by the NECEC Project Corridor<sup>1</sup>**

| Segment | CMP Line Section | Town            | MDIFW ID | Value/Status  | Total DWA Acreage | Acreage in the NECEC Corridor <sup>2</sup> | Acreage of Habitat Conversion in DWA | Associated Wetland(s)                                                                                                                                               | Map ID                  |
|---------|------------------|-----------------|----------|---------------|-------------------|--------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| 2       | 3006             | Moscow          | 060134   | Indeterminate | 147.5             | 12.3                                       | 8.3                                  | WET-74-102, WET-74-103                                                                                                                                              | 163, 164, 165           |
| 3       | 3006             | Embden          | 060143   | Indeterminate | 275.8             | 56.4                                       | 3.2                                  | WET-82-04, WET-82-04, WET-82-01, WET-82-02, WET-82-03, WET-82-10, WET-82-10, WET-82-07, WET-82-06, WET-82-08, WET-82-09, WET-83-21, WET-83-22, WET-82-05, WET-82-08 | 180, 181, 182, 183      |
| 3       | 3006             | Starks (E)      | 060068   | Indeterminate | 971.5             | 25.7                                       | 6.6                                  | WET-96-05, WET-96-07, WET-96-09, WET-96-10, WET-97-01, WET-97-02, WET-97-03                                                                                         | 213, 214, 215           |
| 3       | 3006             | Starks (W)      | 060068   | Indeterminate | 799.2             | 23.6                                       | 4.7                                  | WET-99-05, WET-99-04, WET-99-02, WET-99-01, WET-100-01                                                                                                              | 219, 220, 221           |
| 3       | 3006             | Farmington      | 060058   | Indeterminate | 480.0             | 26.7                                       | 5.5                                  | WET-103-11, WET-104-01, WET-104-02, WET-104-03, WET-104-05, WET-104-01                                                                                              | 229, 230, 231           |
| 3       | 3006             | Livermore Falls | 020521   | Indeterminate | 325.3             | 0.1                                        | 0                                    |                                                                                                                                                                     | 281, 282, 283, 284, 285 |
| 3       | 3006             | Leeds           | 020002   | Indeterminate | 325.4             | 8.6                                        | 3.1                                  | WET-133-02, WET-133-03, WET-133-04, WET-133-05                                                                                                                      | 294, 295                |



| Segment | CMP Line Section | Town       | MDIFW ID | Value/Status  | Total DWA Acreage | Acreage in the NECEC Corridor <sup>2</sup> | Acreage of Habitat Conversion in DWA | Associated Wetland(s)                                                                                                                                                                                                                                      | Map ID             |
|---------|------------------|------------|----------|---------------|-------------------|--------------------------------------------|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| 3       | 3006             | Leeds      | 020984   | Indeterminate | 322.7             | 30.1                                       | 5.6                                  | WET-135-05, WET-135-05, WET-135-07, WET-135-06, WET-135-08, WET-135-09, WET-135-06, WET-135-07, WET-135-07, WET-136-01                                                                                                                                     | 299, 300, 301      |
| 3       | 3006             | Leeds      | 020983   | Indeterminate | 657.2             | 41.1                                       | 7.3                                  | WET-136-07, WET-136-08, WET-136-10, WET-136-09, WET-136-11, WET-136-11, WET-136-11, WET-136-09, WET-136-09, WET-137-01, WET-137-03, WET-137-04, WET-137-02, WET-137-07, WET-137-05, WET-137-10, WET-137-10, WET-137-05, WET-137-06, WET-137-06, WET-137-02 | 302, 303, 304      |
| 4       | 62/64            | Lewiston   | 000255   | Indeterminate | 11.7              | 5.1                                        | 0                                    | WET-150-11                                                                                                                                                                                                                                                 | 333, 334           |
| 4       | 62/64            | Lewiston   | 000247   | Indeterminate | 66.9              | 4.0                                        | 0                                    | WET-151-09, WET-152-01, WET-152-01                                                                                                                                                                                                                         | 336, 337           |
| 4       | 62/64            | Durham     | 000101   | Indeterminate | 50.4              | 4.8                                        | 0                                    | WET-156-09, WET-156-07, WET-156-08                                                                                                                                                                                                                         | 346, 347           |
| 4       | 62/64            | Durham     | 000094   | Indeterminate | 196.7             | 1.2                                        | 0                                    | WET-158-03                                                                                                                                                                                                                                                 | 350, 351           |
| 5       | 3027             | Windsor    | 020865   | Indeterminate | 212.3             | 16.5                                       | 0                                    | WET-165-03, WET-165-03, WET-165-02, WET-165-01                                                                                                                                                                                                             | 409, 410, 411, 412 |
| 5       | 3027             | Whitefield | 020080   | Indeterminate | 345.1             | 31.2                                       | 0                                    | WET-168-05, WET-168-05, WET-169-01, WET-169-01, WET-169-02, WET-169-02                                                                                                                                                                                     | 401, 402, 403, 404 |

| Segment | CMP Line Section | Town          | MDIFW ID | Value/Status  | Total DWA Acreage | Acreage in the NECEC Corridor <sup>2</sup> | Acreage of Habitat Conversion in DWA | Associated Wetland(s)                                                                                                  | Map ID                                 |
|---------|------------------|---------------|----------|---------------|-------------------|--------------------------------------------|--------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| 5       | 3027             | Alna (N)      | 020050   | Indeterminate | 1,395.3           | 102.8                                      | 0                                    | WET-178-06, WET-178-06, WET-179-03, WET-179-03, WET-179-02, WET-179-01, WET-180-02, WET-180-01, WET-180-03, WET-180-04 | 375, 376, 377, 378, 379, 380, 381, 382 |
| 5       | 3027             | Alna (S)      | 020050   | Indeterminate | 523.3             | 11.1                                       | 0                                    | WET-181-01, WET-181-03, WET-181-02                                                                                     | 375, 376                               |
| 5       | 3027             | Wiscasset     | 020176   | Indeterminate | 235.2             | 27.0                                       | 0                                    | WET-183-06, WET-183-06, WET-183-05, WET-183-04, WET-183-03                                                             | 370, 371, 372                          |
| 5       | 3027             | Wiscasset (N) | 020626   | Indeterminate | 55.0              | 2.3                                        | 0                                    | WET-184-07, WET-184-07                                                                                                 | 365, 366, 367, 368                     |
| 5       | 3027             | Wiscasset (S) | 020626   | Indeterminate | 37.4              | 2.0                                        | 0                                    | WET-184-07, WET-184-07                                                                                                 | 365, 366, 367, 368                     |
| 5       | 3027             | Wiscasset     | 020583   | Indeterminate | 163.8             | 23.8                                       | 0                                    | WET-187-01, WET-187-02, WET-187-02, WET-187-09, WET-187-04, WET-187-04                                                 | 362, 363                               |

1. There are no DWA's in the vicinity of the Merrill Road Converter Station or the Fickett Road Substation.
2. Clearing is defined as converting forest to maintained early successional habitat.

## **Exhibit 7-3: IWWH within NECEC Project**

**Exhibit 7-3: IWWH's Intersected by the NECEC Project Corridor <sup>1</sup>**

| Segment | CMP Line Section | Town                                        | MDIFW ID  | Value/ Status | Total IWWH Acreage | Acreage in the NECEC Corridor | Acreage of Habitat Conversion in IWWH <sup>2</sup> | Associated Wetland(s)                                                       | Map ID        |
|---------|------------------|---------------------------------------------|-----------|---------------|--------------------|-------------------------------|----------------------------------------------------|-----------------------------------------------------------------------------|---------------|
| 1       | 3006             | T5 R7 BKP WKR                               | UMO-6578  | Moderate      | 63.4               | 0.3                           | 0                                                  | WET-20-05, WET-20-5-RR2, WET-20-05, WET-20-5-RR2                            | 46            |
| 1       | 3006             | T5 R7 BKP WKR                               | UMO-6585  | Moderate      | 25.9               | 2.4                           | 0.7                                                | WET-21-11, WET-21-09, WET-21-12, WET-21-09                                  | 47, 48        |
| 1       | 3006             | T5 R7 BKP WKR / Bradstreet Twp / Attean Twp | UMO-7060  | Moderate      | 3023.2             | 7.0                           | 3.6                                                | WET-24-10, WET-24-10, WET-24-10                                             | 54, 55, 56    |
| 1       | 3006             | Bradstreet Twp                              | UMO-7358  | Moderate      | 49.5               | 1.3                           | 0                                                  | WET-SR-EXT-30-05                                                            | 68, 69        |
| 1       | 3006             | Bradstreet Twp                              | UMO-7541  | Moderate      | 111.9              | 6.7                           | 3.7                                                | WET-26-01, WET-26-02, WET-26-08, WET-26-08, WET-26-01, WET-26-02, WET-26-02 | 58, 59        |
| 1       | 3006             | Bradstreet Twp / Upper Enchanted Twp        | UMO-7591  | Moderate      | 55.0               | 5.9                           | 3.1                                                | WET-25-02, WET-25-03, WET-25-02, WET-25-03                                  | 58            |
| 2       | 3006             | Bald Mountain Twp T2R3                      | UMO-9415  | Moderate      | 143.4              | 10.7                          | 2.7                                                | WET-63-07, WET-64-03, WET-64-05, WET-64-04                                  | 141, 142, 143 |
| 2       | 3006             | Bald Mountain Twp T2R3                      | UMO-11612 | High          | 121.6              | 2.9                           | 0                                                  | WET-79-03                                                                   | 176, 177      |

| Segment | CMP Line Section | Town       | MDIFW ID   | Value/ Status | Total IWWH Acreage | Acreage in the NECEC Corridor | Acreage of Habitat Conversion in IWWH <sup>2</sup> | Associated Wetland(s)              | Map ID        |
|---------|------------------|------------|------------|---------------|--------------------|-------------------------------|----------------------------------------------------|------------------------------------|---------------|
| 3       | 3006             | Embden     | Iwwh070754 | Moderate      | 66.8               | 10.0                          | 1.4                                                | WET-85-01, WET-85-03               | 187, 188      |
| 3       | 3006             | Jay        | Iwwh070612 | High          | 65.3               | 6.3                           | 1.8                                                | WET-118-03                         | 261, 262      |
| 3       | 3006             | Starks     | Iwwh070546 | Moderate      | 72.4               | 1.8                           | 0.6                                                | WET-97-07                          | 216           |
| 3       | 3006             | Starks     | Iwwh201128 | Moderate      | 83.1               | 6.8                           | 1.3                                                | WET-97-01, WET-97-02               | 214, 215      |
| 3       | 3006             | Starks     | Iwwh070536 | Moderate      | 62.3               | 0.5                           | 0                                                  | WET-100-04, WET-100-05             | 220, 221, 222 |
| 3       | 3006             | Industry   | Iwwh070294 | Moderate      | 107.8              | 10.5                          | 0.7                                                | WET-101-04, WET-102-03             | 224, 225, 226 |
| 3       | 3007             | Lewiston   | Iwwh202389 | Moderate      | 22.6               | 11.1                          | 2.2                                                | WET-145-06, WET-145-05, WET-145-05 | 321, 322      |
| 3       | 3006             | Greene     | Iwwh202778 | Moderate      | 30.5               | 6.1                           | 1.1                                                | WET-140-06                         | 310           |
| 5       | 3027             | Whitefield | Iwwh204792 | Moderate      | 34.0               | 12.0                          | 0                                                  | WET-167-01, WET-167-01             | 406, 407      |
| 5       | 3027             | Wiscasset  | TWWH ID 0  | Not reported  | 302                | 0.2                           | 0                                                  | WET-188-17, WET-188-17             | 359           |

1. There are no IWWH's in the vicinity of the Merrill Road Converter Station or the Fickett Road Substation.
2. Clearing is defined as converting forest to maintained early successional habitat.

## **Exhibit 7-4: Sampling Protocol for Vernal Pools**

## 2017 Resource Delineation Protocol (including previously mapped resources)

Jim Boyle Telephone Conversations with Jay Clement, Mike Mullen and Philip De Maynardier  
April 2017

For new project areas not previously mapped, complete paired-plot (one wetland, one upland) data forms when you encounter meaningful changes in vegetative cover types or meaningful changes in soil, e.g., red maple swamp (and associated lower vegetative strata) with mineral soil shifting to black spruce swamp with organic soil, or similar changes. This method should normally result in a data forms for every running mile or so of transmission line, on average. The burden is on the wetland scientist to insure data forms are representative of the types of wetlands delineated across the entire project. In the project narrative describing the field delineation, the wetland scientist should group the wetland types, describe how the work was done, document that data forms were completed for each wetland type. For example, "Of thirty wetlands, ten were red maple swamps, three were black spruce swamps, ten were alder shrub wetlands, etc." Data forms and representative photographs should be submitted with project applications.

For portions of the project where wetlands and vernal pools were previously mapped, we will obtain data sheets and shapefiles of those mapped resources. We will install the shapefiles in GPS units, and verify five wetlands per mile, and verify one full Corps data form per mile. If we find a discrepancy, we will document our new resource delineation with a data forms, and flag the resource boundary as we see it now. We might find areas that we delineate now that were not previously delineated, or we might find the reverse. In either case, we will document our work. We will hang a flag at each verified resource with the resource number written on the flag, GPS-locate the flag and take a photograph. The wetland scientist will note his or her name on the data sheet and the date of the field visit. We will not flag or GPS-locate resource boundaries if we agree with them.

### Vernal Pools

- If a VP was uploaded to IF&W GIS data layer, and if natural, no need to check.
- If a VP was uploaded to IF&W GIS data layer, but not natural, need to verify that the VP is not natural, and provide this documentation to IF&W and request removal, including a letter documenting removal, if approved.
- If a VP is observed but was not previously mapped, we will survey the VP following our normal full survey protocol.
- If a VP was previously mapped/surveyed (whether SVP or not) but not uploaded to IF&W data layer, we will field verify (spot check) the VP, including egg mass counts.
  - Maine SVP = meets state definition, has "significant" egg masses, etc.
  - Maine Non-SVP = meets state definition, doesn't have "significant" egg masses, etc.
  - Corps Priority Pool = In a wetland, not natural, has "significant" egg masses, etc.
  - Corps Pool = In a wetland, not natural, doesn't have "significant" egg masses, etc.
  - Spawning Area = Not in a wetland, not natural.

## **Exhibit 7-5: Significant Vernal Pool Habitat**



## Footnotes and Definitions for Vernal Pool Tables (Exhibit 7-5 and Exhibit 7-6)

### Footnotes

1. **NVP** Natural Vernal Pool
- ABA** Amphibian Breeding Area
- SVP** Significant Vernal Pool
- PSVP** Potentially Significant Vernal Pool
2. **NSP** Non-Significant Vernal Pool- Formal determination by MDIFW
- ND** No Determination- No formal determination by MDIFW
3. Tree clearing within 250-feet (Y/N) indicates forest conversion will occur within the vernal pool critical terrestrial habitat.
4. “Pool Area” is defined as the pool depression and does not include the vernal pool habitat.

### Definitions

**ACOE Maine Programmatic General Permit - Vernal Pools** - *Temporary to permanent bodies of water occurring in shallow depressions that fill during the spring and fall and may dry during the summer. Vernal pools have no permanent or viable populations of predatory fish. Vernal pools provide the primary breeding habitat for wood frogs, spotted salamanders, blue spotted salamanders, and fairy shrimp, and provide habitat for other wildlife including several endangered and threatened species.*

**Maine NRPA Chapter 335** - *A vernal pool, also referred to as a seasonal forest pool, is a natural, temporary to semi-permanent body of water occurring in a shallow depression that typically fills during the spring or fall and may dry during the summer. Vernal pools have no permanent inlet or outlet and no viable populations of predatory fish. A vernal pool may provide the primary breeding habitat for wood frogs (*Rana sylvatica*), spotted salamanders (*Ambystoma maculatum*), blue-spotted salamanders (*Ambystoma laterale*), and fairy shrimp (*Eubrachyptus sp.*), as well as valuable habitat for other plants and wildlife, including several rare, threatened, and endangered species. A vernal pool intentionally created for the purposes of compensatory mitigation is included in this definition. (Excerpt from Maine NRPA Chapter 335. For the full significant vernal pool habitat definition, please refer to the law.)*

**Maine NRPA Chapter 335 Significant vernal pool habitat** identification criteria:

1.) Abundance. Any one of or combination of the following species abundance levels, documented in any given year, determine the significance of a vernal pool habitat.

Fairy shrimp - presence in any life stage

Blue-spotted salamanders - presence of 10 or more egg masses

Spotted salamanders - presence of 20 or more egg masses

Wood frogs - presence of 40 or more egg masses

2.) Rarity. A pool that has documented use in any given year by a rare species, or state-listed endangered or threatened species that commonly requires a vernal pool to complete a critical portion of its life history is part of a significant vernal pool habitat.

**"Significant vernal pools"** or "SVPs" included only pools of natural origin that met any of the above listed Significant Vernal Pool identification criteria.

**"Potentially significant vernal pools"** or "PSVPs" included pools of natural origin which may meet the Significant Vernal Pool identification criteria but which were not surveyed during the appropriate time of year or that "straddle" property boundaries and permission was not obtained to survey the entire pool. These pools may be surveyed in the next available survey season and until such time that they are surveyed, will be treated as significant. These pools are included on **Exhibit 7-5**.

**"Natural vernal pools"** or "NVPs" included only pools of natural origin that did not meet the criteria required to meet the NRPA definition of a significant vernal pool (i.e., egg mass numbers, fairy shrimp, rare species).

**"Amphibian breeding areas"** or "ABAs" are man-made pools. Some of these pools would meet the NRPA definition of "significance" if they were natural in origin.

**Exhibit 7-5 Significant Vernal Pools and Potentially Significant Vernal Pools**

| <b>Segment</b> | <b>Town</b>          | <b>Pool_ID</b> | <b>Type<sup>1</sup><br/>(SVP, PSVP,<br/>NVP)</b> | <b>MDIFW<br/>Determination<sup>2</sup></b> | <b>Clearing<br/>w/in 250<br/>feet<sup>3</sup></b> | <b>Pool Area<br/>(sq. ft.)<sup>4</sup></b> | <b>NRM Sheet</b> |
|----------------|----------------------|----------------|--------------------------------------------------|--------------------------------------------|---------------------------------------------------|--------------------------------------------|------------------|
| 1              | Appleton Twp         | PSVP-11-1      | PSVP                                             | ND                                         | N                                                 | 24                                         | 27               |
| 1              | Johnson Mountain Twp | PSVP-40-6      | PSVP                                             | PSVP                                       | Y                                                 | 4137                                       | 91               |
| 1              | Appleton Twp         | PSVP-15-1      | PSVP                                             | ND                                         | Y                                                 | 676                                        | 35               |
| 1              | T5 R7 BKP WKR        | PSVP-20-3      | PSVP                                             | ND                                         | N                                                 | 18363                                      | 46, 47           |
| 1              | Johnson Mountain Twp | PSVP-39-3      | PSVP                                             | ND                                         | Y                                                 | 1090                                       | 89               |
| 1              | Johnson Mountain Twp | PSVP-40-5      | PSVP                                             | ND                                         | Y                                                 | 5552                                       | 91               |
| 1              | Johnson Mountain Twp | PSVP-41-2      | PSVP                                             | ND                                         | Y                                                 | 2587                                       | 92               |
| 1              | West Forks Plt       | PSVP-43-2      | PSVP                                             | ND                                         | Y                                                 | 1956                                       | 98               |
| 1              | West Forks Plt       | PSVP-46-2      | PSVP                                             | ND                                         | N                                                 | 13880                                      | 101              |
| 1              | West Forks Plt       | PSVP-48-4      | PSVP                                             | ND                                         | Y                                                 | 454                                        | 105              |
| 1              | West Forks Plt       | PSVP-49-10     | PSVP                                             | ND                                         | Y                                                 | 798                                        | 107              |
| 1              | West Forks Plt       | PSVP-49-12     | PSVP                                             | ND                                         | Y                                                 | 5162                                       | 107              |
| 1              | Skinner Twp          | PSVP-LT-3      | PSVP                                             | ND                                         | Y                                                 | 2925                                       | 11, 12           |
| 2              | Moscow               | PSVP-72-102    | PSVP                                             | SVP                                        | Y                                                 | 141                                        | 159              |
| 2              | Moscow               | PSVP-222-09    | PSVP                                             | ND                                         | Y                                                 | 4239                                       | 152              |
| 3              | Jay                  | PSVP-117-02    | PSVP                                             | PSVP                                       | Y                                                 | 10517                                      | 258              |
| 3              | Leeds                | PSVP-136-04    | PSVP                                             | PSVP                                       | Y                                                 | 4345                                       | 302              |
| 3              | Farmington           | VP-111-03      | NVP                                              | PSVP                                       | Y                                                 | 2381                                       | 245, 246         |
| 3              | Concord Twp          | VP-81-05       | NVP                                              | PSVP                                       | Y                                                 | 1079                                       | 180              |
| 3              | Industry             | PSVP-101-02    | PSVP                                             | SVP                                        | Y                                                 | 309                                        | 225              |
| 3              | Industry             | PSVP-101-03    | PSVP                                             | SVP                                        | Y                                                 | 22982                                      | 225              |
| 3              | Industry             | PSVP-102-02    | PSVP                                             | SVP                                        | Y                                                 | 649                                        | 226              |
| 3              | Industry             | PSVP-102-03    | PSVP                                             | SVP                                        | Y                                                 | 4370                                       | 226              |
| 3              | Industry             | PSVP-104-02    | PSVP                                             | SVP                                        | Y                                                 | 4173                                       | 230              |
| 3              | Farmington           | PSVP-111-04    | PSVP                                             | SVP                                        | Y                                                 | 3388                                       | 246              |
| 3              | Jay                  | PSVP-116-04    | PSVP                                             | SVP                                        | Y                                                 | 15369                                      | 257              |
| 3              | Jay                  | PSVP-118-02    | PSVP                                             | SVP                                        | Y                                                 | 1791                                       | 261              |
| 3              | Jay                  | PSVP-119-03    | PSVP                                             | SVP                                        | Y                                                 | 1803                                       | 264              |
| 3              | Livermore Falls      | PSVP-125-01    | PSVP                                             | SVP                                        | Y                                                 | 2038                                       | 276              |
| 3              | Leeds                | PSVP-130-08    | PSVP                                             | SVP                                        | Y                                                 | 18626                                      | 288              |

**Exhibit 7-5 Significant Vernal Pools and Potentially Significant Vernal Pools**

| <b>Segment</b> | <b>Town</b> | <b>Pool_ID</b> | <b>Type<sup>1</sup><br/>(SVP, PSVP,<br/>NVP)</b> | <b>MDIFW<br/>Determination<sup>2</sup></b> | <b>Clearing<br/>w/in 250<br/>feet<sup>3</sup></b> | <b>Pool Area<br/>(sq. ft.)<sup>4</sup></b> | <b>NRM Sheet</b> |
|----------------|-------------|----------------|--------------------------------------------------|--------------------------------------------|---------------------------------------------------|--------------------------------------------|------------------|
| 3              | Leeds       | PSVP-136-01    | PSVP                                             | SVP                                        | Y                                                 | 35243                                      | 301              |
| 3              | Leeds       | PSVP-136-02    | PSVP                                             | SVP                                        | Y                                                 | 3957                                       | 301, 302         |
| 3              | Leeds       | PSVP-137-06    | PSVP                                             | SVP                                        | Y                                                 | 1554                                       | 304              |
| 3              | Greene      | PSVP-140-02    | PSVP                                             | SVP                                        | Y                                                 | 1026                                       | 309, 310         |
| 3              | Greene      | PSVP-140-04    | PSVP                                             | SVP                                        | Y                                                 | 16947                                      | 311              |
| 3              | Greene      | PSVP-143-03    | PSVP                                             | SVP                                        | Y                                                 | 1657                                       | 317              |
| 3              | Concord Twp | PSVP-75-101    | PSVP                                             | SVP                                        | Y                                                 | 188                                        | 167              |
| 3              | Concord Twp | PSVP-75-102    | PSVP                                             | SVP                                        | Y                                                 | 448                                        | 167              |
| 3              | Concord Twp | PSVP-80-03     | PSVP                                             | SVP                                        | Y                                                 | 4547                                       | 177              |
| 3              | Embden      | PSVP-83-02     | PSVP                                             | SVP                                        | Y                                                 | 14556                                      | 183              |
| 3              | Embden      | PSVP-83-03     | PSVP                                             | SVP                                        | Y                                                 | 561                                        | 183              |
| 3              | Embden      | PSVP-83-04     | PSVP                                             | SVP                                        | Y                                                 | 6104                                       | 183              |
| 3              | Embden      | PSVP-85-01     | PSVP                                             | SVP                                        | Y                                                 | 2989                                       | 189              |
| 3              | Embden      | PSVP-86-04     | PSVP                                             | SVP                                        | Y                                                 | 16971                                      | 191              |
| 3              | Embden      | PSVP-86-05     | PSVP                                             | SVP                                        | Y                                                 | 7062                                       | 191              |
| 3              | Embden      | PSVP-86-09     | PSVP                                             | SVP                                        | Y                                                 | 6618                                       | 190              |
| 3              | Anson       | PSVP-92-01     | PSVP                                             | SVP                                        | Y                                                 | 2341                                       | 203              |
| 3              | Lewiston    | PSVP-PERRON-2  | PSVP                                             | SVP                                        | N                                                 | 9460                                       | 320              |
| 3              | Leeds       | VP-135-03      | NVP                                              | SVP                                        | Y                                                 | 13353                                      | 298, 299         |
| 3              | Leeds       | VP-135-05      | NVP                                              | SVP                                        | Y                                                 | 1519                                       | 299              |
| 3              | Jay         | PSVP-118-03    | PSVP                                             | ND                                         | Y                                                 | 2072                                       | 262              |
| 3              | Greene      | PSVP-144-02    | PSVP                                             | ND                                         | Y                                                 | 28                                         | 320              |
| 3              | Concord Twp | PSVP-80-01     | PSVP                                             | ND                                         | Y                                                 | 1810                                       | 178              |
| 4              | Lewiston    | SVP-147-08     | SVP                                              | ND                                         | N                                                 | 3363                                       | 326              |
| 4              | Lewiston    | SVP-148-06     | SVP                                              | ND                                         | N                                                 | 7831                                       | 328              |
| 4              | Pownal      | SVP-161-12     | SVP                                              | ND                                         | N                                                 | 28                                         | 356, 357         |
| 4              | Durham      | PSVP-158-01    | PSVP                                             | ND                                         | N                                                 | 7414                                       | 349, 350         |

**Exhibit 7-5 Significant Vernal Pools and Potentially Significant Vernal Pools**

| <b>Segment</b> | <b>Town</b> | <b>Pool_ID</b> | <b>Type<sup>1</sup><br/>(SVP, PSVP,<br/>NVP)</b> | <b>MDIFW<br/>Determination<sup>2</sup></b> | <b>Clearing<br/>w/in 250<br/>feet<sup>3</sup></b> | <b>Pool Area<br/>(sq. ft.)<sup>4</sup></b> | <b>NRM Sheet</b> |
|----------------|-------------|----------------|--------------------------------------------------|--------------------------------------------|---------------------------------------------------|--------------------------------------------|------------------|
| 5              | Windsor     | PSVP-162-01    | PSVP                                             | SVP                                        | N                                                 | 6050                                       | -                |
| 5              | Whitefield  | PSVP-169-01    | PSVP                                             | SVP                                        | N                                                 | 1560                                       | 401              |
| 5              | Wiscasset   | PSVP-188-03    | PSVP                                             | SVP                                        | N                                                 | 5730                                       | 359, 360         |
| 5              | Whitefield  | PSVP-174-06    | PSVP                                             | ND                                         | N                                                 | 6302                                       | 390              |

## **Exhibit 7-6: State and/or Federally Jurisdictional Vernal Pool Habitat Table**

**Exhibit 7-6: Non-Significant Federal and State Jurisdictional Vernal Pools**

| Segment | Town                         | Pool ID | Vernal Pool Type (NVP, ABA, SVP) <sup>1</sup> | MDIFW Determination <sup>2</sup> | Clearing within 250 feet <sup>3</sup> (Y/N) | Pool Area (sq. ft.) <sup>4</sup> | NRM Sheet(s) |
|---------|------------------------------|---------|-----------------------------------------------|----------------------------------|---------------------------------------------|----------------------------------|--------------|
| 1       | Beattie Twp                  | VP-0-1  | NVP                                           | ND                               | Y                                           | 8                                | 1            |
| 1       | Beattie Twp                  | VP-0-2  | NVP                                           | ND                               | Y                                           | 136                              | 1            |
| 1       | Beattie Twp                  | VP-0-3  | NVP                                           | ND                               | Y                                           | 8                                | 1            |
| 1       | Beattie Twp                  | VP-0-4  | NVP                                           | ND                               | Y                                           | 126                              | 1            |
| 1       | Beattie Twp                  | VP-1-1  | NVP                                           | ND                               | Y                                           | 8                                | 3            |
| 1       | Skinner Twp                  | VP-10-1 | NVP                                           | ND                               | Y                                           | 118                              | 25           |
| 1       | Skinner Twp                  | VP-10-2 | NVP                                           | ND                               | Y                                           | 311                              | 25           |
| 1       | Skinner Twp                  | VP-10-3 | NVP                                           | ND                               | Y                                           | 186                              | 25           |
| 1       | Skinner Twp                  | VP-10-4 | NVP                                           | ND                               | Y                                           | 2                                | 24           |
| 1       | Skinner Twp                  | VP-10-5 | NVP                                           | ND                               | Y                                           | 479                              | 23, 24       |
| 1       | Appleton Twp                 | VP-11-2 | NVP                                           | ND                               | N                                           | 89                               | 27           |
| 1       | Skinner Twp                  | VP-11-3 | NVP                                           | ND                               | Y                                           | 187                              | 25, 26       |
| 1       | Appleton Twp                 | VP-12-1 | NVP                                           | ND                               | Y                                           | 434                              | 30           |
| 1       | Appleton Twp                 | VP-12-2 | NVP                                           | ND                               | Y                                           | 341                              | 29           |
| 1       | Appleton Twp                 | VP-12-3 | NVP                                           | ND                               | Y                                           | 8                                | 30           |
| 1       | Appleton Twp                 | VP-12-4 | NVP                                           | ND                               | Y                                           | 8                                | 29, 30       |
| 1       | Appleton Twp                 | VP-13-1 | NVP                                           | ND                               | Y                                           | 441                              | 30           |
| 1       | Appleton Twp                 | VP-13-2 | NVP                                           | ND                               | Y                                           | 1,385                            | 30           |
| 1       | Appleton Twp                 | VP-16-1 | NVP                                           | ND                               | Y                                           | 255                              | 37           |
| 1       | Appleton Twp                 | VP-16-2 | NVP                                           | ND                               | Y                                           | 8                                | 37           |
| 1       | Appleton Twp                 | VP-16-3 | NVP                                           | ND                               | Y                                           | 248                              | 37           |
| 1       | Appleton Twp                 | VP-17-1 | NVP                                           | ND                               | Y                                           | 368                              | 40, 41       |
| 1       | Appleton Twp                 | VP-17-2 | NVP                                           | ND                               | Y                                           | 8                                | 39           |
| 1       | Appleton Twp                 | VP-17-3 | NVP                                           | ND                               | Y                                           | 8                                | 39           |
| 1       | Appleton Twp                 | VP-17-4 | NVP                                           | ND                               | Y                                           | 8                                | 39           |
| 1       | Appleton Twp                 | VP-17-5 | NVP                                           | ND                               | Y                                           | 1,796                            | 39           |
| 1       | Appleton Twp                 | VP-17-6 | NVP                                           | ND                               | Y                                           | 559                              | 39           |
| 1       | Appleton Twp                 | VP-17-7 | NVP                                           | ND                               | Y                                           | 462                              | 39           |
| 1       | Appleton Twp                 | VP-17-8 | NVP                                           | ND                               | Y                                           | 1,433                            | 39           |
| 1       | T5 R7 BKP WKR, Hobbstown Twp | VP-18-1 | ABA                                           | ND                               | Y                                           | 427                              | 42           |

**Exhibit 7-6: Non-Significant Federal and State Jurisdictional Vernal Pools**

| Segment | Town                                  | Pool ID | Vernal Pool Type (NVP, ABA, SVP) <sup>1</sup> | MDIFW Determination <sup>2</sup> | Clearing within 250 feet <sup>3</sup> (Y/N) | Pool Area (sq. ft.) <sup>4</sup> | NRM Sheet(s) |
|---------|---------------------------------------|---------|-----------------------------------------------|----------------------------------|---------------------------------------------|----------------------------------|--------------|
| 1       | T5 R7 BKP WKR                         | VP-20-1 | NVP                                           | ND                               | N                                           | 8                                | 46           |
| 1       | T5 R7 BKP WKR                         | VP-20-2 | NVP                                           | ND                               | N                                           | 8                                | 46           |
| 1       | T5 R7 BKP WKR                         | VP-20-4 | NVP                                           | ND                               | N                                           | 900                              | 47           |
| 1       | Bradstreet Twp                        | VP-24-1 | NVP                                           | ND                               | Y                                           | 513                              | 55           |
| 1       | Bradstreet Twp                        | VP-25-1 | NVP                                           | ND                               | Y                                           | 880                              | 57           |
| 1       | Bradstreet Twp                        | VP-26-1 | NVP                                           | ND                               | Y                                           | 124                              | 59           |
| 1       | Bradstreet Twp                        | VP-29-1 | NVP                                           | ND                               | Y                                           | 44                               | 64           |
| 1       | Bradstreet Twp                        | VP-29-2 | NVP                                           | ND                               | Y                                           | 3,383                            | 63           |
| 1       | Bradstreet Twp                        | VP-29-4 | NVP                                           | ND                               | Y                                           | 3,656                            | 63           |
| 1       | Parlin Pond Twp, Johnson Mountain Twp | VP-31-1 | NVP                                           | ND                               | N                                           | 3,259                            | 70, 71       |
| 1       | Parlin Pond Twp                       | VP-31-2 | NVP                                           | ND                               | Y                                           | 469                              | 70           |
| 1       | Johnson Mountain Twp                  | VP-32-1 | NVP                                           | ND                               | Y                                           | 522                              | 73           |
| 1       | Johnson Mountain Twp                  | VP-33-1 | NVP                                           | ND                               | Y                                           | 346                              | 76           |
| 1       | Johnson Mountain Twp                  | VP-33-2 | NVP                                           | ND                               | Y                                           | 135                              | 76           |
| 1       | Johnson Mountain Twp                  | VP-33-3 | NVP                                           | ND                               | Y                                           | 38                               | 76           |
| 1       | Johnson Mountain Twp                  | VP-33-4 | NVP                                           | ND                               | Y                                           | 56                               | 75           |
| 1       | Johnson Mountain Twp                  | VP-33-5 | ABA                                           | ND                               | Y                                           | 258                              | 74, 75       |
| 1       | Johnson Mountain Twp                  | VP-33-6 | NVP                                           | ND                               | Y                                           | 203                              | 74           |
| 1       | Johnson Mountain Twp                  | VP-33-7 | NVP                                           | ND                               | Y                                           | 142                              | 74           |
| 1       | Johnson Mountain Twp                  | VP-35-1 | NVP                                           | ND                               | Y                                           | 730                              | 80, 81       |
| 1       | Johnson Mountain Twp                  | VP-35-2 | ABA                                           | ND                               | Y                                           | 36                               | 80           |
| 1       | Johnson Mountain Twp                  | VP-36-1 | NVP                                           | ND                               | N                                           | 199                              | 83           |
| 1       | Johnson Mountain Twp                  | VP-36-2 | NVP                                           | ND                               | Y                                           | 117                              | 81           |
| 1       | Johnson Mountain Twp                  | VP-37-1 | NVP                                           | ND                               | Y                                           | 142                              | 84           |
| 1       | Johnson Mountain Twp                  | VP-39-1 | NVP                                           | ND                               | Y                                           | 310                              | 89           |
| 1       | Johnson Mountain Twp                  | VP-39-2 | NVP                                           | ND                               | Y                                           | 40                               | 89           |
| 1       | Johnson Mountain Twp                  | VP-40-1 | NVP                                           | ND                               | Y                                           | 30                               | 91, 92       |
| 1       | Johnson Mountain Twp                  | VP-40-2 | NVP                                           | ND                               | Y                                           | 55                               | 91, 92       |
| 1       | Johnson Mountain Twp                  | VP-40-3 | NVP                                           | ND                               | Y                                           | 13                               | 91, 92       |
| 1       | Johnson Mountain Twp                  | VP-40-4 | NVP                                           | ND                               | Y                                           | 51                               | 92           |



**Exhibit 7-6: Non-Significant Federal and State Jurisdictional Vernal Pools**

| <b>Segment</b> | <b>Town</b>          | <b>Pool ID</b> | <b>Vernal Pool Type (NVP, ABA, SVP)<sup>1</sup></b> | <b>MDIFW Determination<sup>2</sup></b> | <b>Clearing within 250 feet<sup>3</sup> (Y/N)</b> | <b>Pool Area (sq. ft.)<sup>4</sup></b> | <b>NRM Sheet(s)</b> |
|----------------|----------------------|----------------|-----------------------------------------------------|----------------------------------------|---------------------------------------------------|----------------------------------------|---------------------|
| 1              | Johnson Mountain Twp | VP-41-1        | NVP                                                 | ND                                     | Y                                                 | 582                                    | 93                  |
| 1              | Johnson Mountain Twp | VP-42-1        | ABA                                                 | ND                                     | Y                                                 | 90                                     | 95, 96              |
| 1              | Johnson Mountain Twp | VP-42-2        | NVP                                                 | ND                                     | Y                                                 | 34                                     | 95                  |
| 1              | West Forks Plt       | VP-43-1        | NVP                                                 | ND                                     | Y                                                 | 845                                    | 97                  |
| 1              | West Forks Plt       | VP-45-2        | NVP                                                 | ND                                     | Y                                                 | 425                                    | 100                 |
| 1              | West Forks Plt       | VP-46-1        | NVP                                                 | ND                                     | N                                                 | 2,582                                  | 101                 |
| 1              | West Forks Plt       | VP-48-1        | NVP                                                 | ND                                     | Y                                                 | 110                                    | 106                 |
| 1              | West Forks Plt       | VP-48-2        | NVP                                                 | ND                                     | Y                                                 | 49                                     | 106                 |
| 1              | West Forks Plt       | VP-48-3        | NVP                                                 | ND                                     | Y                                                 | 22                                     | 106                 |
| 1              | West Forks Plt       | VP-48-5        | NVP                                                 | ND                                     | Y                                                 | 8                                      | 106                 |
| 1              | West Forks Plt       | VP-49-1        | NVP                                                 | ND                                     | Y                                                 | 47                                     | 108                 |
| 1              | West Forks Plt       | VP-49-2        | NVP                                                 | ND                                     | Y                                                 | 66                                     | 108                 |
| 1              | West Forks Plt       | VP-49-3        | NVP                                                 | ND                                     | Y                                                 | 8                                      | 108                 |
| 1              | West Forks Plt       | VP-49-4        | NVP                                                 | ND                                     | Y                                                 | 42                                     | 108                 |
| 1              | West Forks Plt       | VP-49-6        | NVP                                                 | ND                                     | Y                                                 | 190                                    | 107                 |
| 1              | West Forks Plt       | VP-49-7        | NVP                                                 | ND                                     | Y                                                 | 32                                     | 107                 |
| 1              | West Forks Plt       | VP-49-8        | NVP                                                 | ND                                     | Y                                                 | 90                                     | 107                 |
| 1              | West Forks Plt       | VP-49-9        | NVP                                                 | ND                                     | Y                                                 | 288                                    | 107                 |
| 1              | Skinner Twp          | VP-5-1         | NVP                                                 | ND                                     | Y                                                 | 137                                    | 13, 14              |
| 1              | Skinner Twp          | VP-5-2         | NVP                                                 | ND                                     | Y                                                 | 8                                      | 13                  |
| 1              | Moxie Gore           | VP-52-2        | NVP                                                 | ND                                     | Y                                                 | 294                                    | 116                 |
| 1              | Moxie Gore           | VP-52-3        | NVP                                                 | ND                                     | Y                                                 | 84                                     | 116                 |
| 1              | Moxie Gore           | VP-52-4        | NVP                                                 | ND                                     | Y                                                 | 84                                     | 116                 |
| 1              | Moxie Gore           | VP-52-5        | NVP                                                 | ND                                     | Y                                                 | 1,159                                  | 116                 |
| 1              | Skinner Twp          | VP-7-1         | NVP                                                 | ND                                     | Y                                                 | 198                                    | 18                  |
| 1              | Skinner Twp          | VP-9-1         | NVP                                                 | ND                                     | Y                                                 | 851                                    | 21                  |
| 1              | Skinner Twp          | VP-LT-1        | NVP                                                 | ND                                     | Y                                                 | 847                                    | 12                  |
| 1              | Skinner Twp          | VP-LT-2        | NVP                                                 | ND                                     | Y                                                 | 743                                    | 12                  |
| 1              | Skinner Twp          | VP-LT-4        | NVP                                                 | ND                                     | Y                                                 | 388                                    | 11                  |
| 1              | Beattie Twp          | VP-LT-5        | NVP                                                 | ND                                     | Y                                                 | 8                                      | 10, 11              |
| 1              | Merrill Strip Twp    | VP-LT-6        | NVP                                                 | ND                                     | Y                                                 | 125                                    | 10                  |

**Exhibit 7-6: Non-Significant Federal and State Jurisdictional Vernal Pools**

| Segment | Town                    | Pool ID    | Vernal Pool Type (NVP, ABA, SVP) <sup>1</sup> | MDIFW Determination <sup>2</sup> | Clearing within 250 feet <sup>3</sup> (Y/N) | Pool Area (sq. ft.) <sup>4</sup> | NRM Sheet(s) |
|---------|-------------------------|------------|-----------------------------------------------|----------------------------------|---------------------------------------------|----------------------------------|--------------|
| 1       | Beattie Twp             | VP-LT-7    | NVP                                           | ND                               | Y                                           | 8                                | 9            |
| 1       | Bradstreet Twp          | VP-SR-30-1 | NVP                                           | ND                               | Y                                           | 143                              | 67           |
| 1       | Bradstreet Twp          | VP-SR-30-2 | NVP                                           | ND                               | Y                                           | 887                              | 67           |
| 1       | Bradstreet Twp          | VP-SR-30-3 | NVP                                           | ND                               | Y                                           | 391                              | 67           |
| 2       | Bald Mountain Twp T2 R3 | VP-222-01  | NVP                                           | ND                               | Y                                           | 1,058                            | 135          |
| 2       | The Forks Plt           | VP-222-02  | NVP                                           | ND                               | Y                                           | 69                               | 127          |
| 2       | The Forks Plt           | VP-222-03  | NVP                                           | ND                               | Y                                           | 11                               | 127          |
| 2       | The Forks Plt           | VP-222-04  | NVP                                           | ND                               | Y                                           | 102                              | 127          |
| 2       | The Forks Plt           | VP-222-05  | NVP                                           | ND                               | Y                                           | 322                              | 125, 126     |
| 2       | The Forks Plt           | VP-222-06  | NVP                                           | ND                               | Y                                           | 164                              | 125, 126     |
| 2       | The Forks Plt           | VP-222-07  | NVP                                           | ND                               | Y                                           | 2                                | 123          |
| 2       | The Forks Plt           | VP-222-08  | NVP                                           | ND                               | Y                                           | 25                               | 118          |
| 2       | Bald Mountain Twp T2 R3 | VP-222-10  | ABA                                           | ND                               | Y                                           | 127                              | 135          |
| 2       | Bald Mountain Twp T2 R3 | VP-222-11  | NVP                                           | ND                               | Y                                           | 390                              | 135          |
| 2       | The Forks Plt           | VP-222-12  | NVP                                           | ND                               | Y                                           | 18                               | 127          |
| 2       | Moscow                  | VP-68-01   | NVP                                           | ND                               | Y                                           | 78                               | 151          |
| 2       | Moscow                  | VP-68-02   | NVP                                           | ND                               | Y                                           | 78                               | 150, 151     |
| 2       | Moscow                  | VP-68-03   | NVP                                           | ND                               | Y                                           | 78                               | 150          |
| 2       | Moscow                  | VP-72-101  | NVP                                           | ND                               | Y                                           | 28                               | 159          |
| 3       | Embden                  | NVP-83-05  | NVP                                           | ND                               | Y                                           | 228                              | 183, 184     |
| 3       | Embden                  | NVP-86-07  | NVP                                           | ND                               | Y                                           | 28,378                           | 191          |
| 3       | Embden                  | NVP-86-10  | NVP                                           | ND                               | Y                                           | 2,007                            | 190          |
| 3       | Anson                   | NVP-90-01  | NVP                                           | ND                               | Y                                           | 8,319                            | 200          |
| 3       | Starks                  | VP-100-01  | NVP                                           | ND                               | Y                                           | 28                               | 220          |
| 3       | Starks                  | VP-100-02  | NVP                                           | ND                               | Y                                           | 28                               | 220          |
| 3       | Starks                  | VP-100-03  | NVP                                           | ND                               | Y                                           | 78                               | 220          |
| 3       | Industry                | VP-101-01  | NVP                                           | ND                               | Y                                           | 2,583                            | 224          |
| 3       | Industry                | VP-102-01  | NVP                                           | ND                               | Y                                           | 28                               | 226          |
| 3       | Industry                | VP-102-04  | NVP                                           | ND                               | Y                                           | 86                               | 226          |
| 3       | Industry                | VP-102-05  | NVP                                           | ND                               | Y                                           | 28                               | 226          |
| 3       | Industry                | VP-102-06  | NVP                                           | ND                               | Y                                           | 130                              | 226          |

**Exhibit 7-6: Non-Significant Federal and State Jurisdictional Vernal Pools**

| <b>Segment</b> | <b>Town</b> | <b>Pool ID</b> | <b>Vernal Pool Type (NVP, ABA, SVP)<sup>1</sup></b> | <b>MDIFW Determination<sup>2</sup></b> | <b>Clearing within 250 feet<sup>3</sup> (Y/N)</b> | <b>Pool Area (sq. ft.)<sup>4</sup></b> | <b>NRM Sheet(s)</b> |
|----------------|-------------|----------------|-----------------------------------------------------|----------------------------------------|---------------------------------------------------|----------------------------------------|---------------------|
| 3              | Industry    | VP-102-07      | NVP                                                 | ND                                     | Y                                                 | 24                                     | 226                 |
| 3              | Industry    | VP-102-08      | NVP                                                 | ND                                     | Y                                                 | 102                                    | 226                 |
| 3              | Industry    | VP-102-09      | NVP                                                 | ND                                     | Y                                                 | 129                                    | 226                 |
| 3              | Industry    | VP-103-01      | NVP                                                 | ND                                     | Y                                                 | 176                                    | 227                 |
| 3              | Industry    | VP-103-02      | NVP                                                 | ND                                     | Y                                                 | 959                                    | 227, 228            |
| 3              | Industry    | VP-103-03      | NVP                                                 | ND                                     | Y                                                 | 356                                    | 228                 |
| 3              | Industry    | VP-104-01      | NVP                                                 | ND                                     | Y                                                 | 28                                     | 229                 |
| 3              | Industry    | VP-104-03      | NVP                                                 | ND                                     | Y                                                 | 607                                    | 231                 |
| 3              | Industry    | VP-104-04      | NVP                                                 | ND                                     | Y                                                 | 78                                     | 231                 |
| 3              | New Sharon  | VP-104-05      | NVP                                                 | ND                                     | Y                                                 | 532                                    | 231                 |
| 3              | New Sharon  | VP-104-06      | NVP                                                 | ND                                     | Y                                                 | 28                                     | 231                 |
| 3              | New Sharon  | VP-104-07      | NVP                                                 | ND                                     | Y                                                 | 78                                     | 231                 |
| 3              | New Sharon  | VP-104-08      | NVP                                                 | ND                                     | Y                                                 | 352                                    | 231                 |
| 3              | New Sharon  | VP-105-01      | NVP                                                 | ND                                     | Y                                                 | 3,036                                  | 232                 |
| 3              | New Sharon  | VP-105-02      | NVP                                                 | ND                                     | Y                                                 | 265                                    | 231                 |
| 3              | New Sharon  | VP-105-03      | NVP                                                 | ND                                     | Y                                                 | 28                                     | 232                 |
| 3              | Farmington  | VP-106-01      | NVP                                                 | ND                                     | Y                                                 | 28                                     | 234                 |
| 3              | Farmington  | VP-106-02      | NVP                                                 | ND                                     | Y                                                 | 263                                    | 235                 |
| 3              | Farmington  | VP-107-01      | NVP                                                 | ND                                     | Y                                                 | 176                                    | 236                 |
| 3              | Farmington  | VP-107-02      | NVP                                                 | ND                                     | Y                                                 | 187                                    | 237                 |
| 3              | Farmington  | VP-107-03      | ABA                                                 | ND                                     | Y                                                 | 28                                     | 238                 |
| 3              | Farmington  | VP-107-04      | ABA                                                 | ND                                     | Y                                                 | 312                                    | 237                 |
| 3              | Farmington  | VP-109-01      | NVP                                                 | ND                                     | Y                                                 | 1,232                                  | 240, 241            |
| 3              | Farmington  | VP-109-02      | NVP                                                 | ND                                     | Y                                                 | 176                                    | 240, 241            |
| 3              | Farmington  | VP-109-03      | ABA                                                 | ND                                     | Y                                                 | 858                                    | 241                 |
| 3              | Farmington  | VP-111-01      | NVP                                                 | ND                                     | Y                                                 | 3,724                                  | 245                 |
| 3              | Farmington  | VP-111-02      | NVP                                                 | ND                                     | Y                                                 | 1,631                                  | 245                 |
| 3              | Farmington  | VP-111-05      | NVP                                                 | ND                                     | Y                                                 | 2,738                                  | 246                 |
| 3              | Farmington  | VP-111-06      | NVP                                                 | ND                                     | Y                                                 | 146                                    | 246                 |
| 3              | Farmington  | VP-112-02      | NVP                                                 | ND                                     | Y                                                 | 28                                     | 248                 |
| 3              | Wilton      | VP-113-01      | NVP                                                 | ND                                     | Y                                                 | 2,955                                  | 250, 251            |

**Exhibit 7-6: Non-Significant Federal and State Jurisdictional Vernal Pools**

| <b>Segment</b> | <b>Town</b>     | <b>Pool ID</b> | <b>Vernal Pool Type (NVP, ABA, SVP)<sup>1</sup></b> | <b>MDIFW Determination<sup>2</sup></b> | <b>Clearing within 250 feet<sup>3</sup> (Y/N)</b> | <b>Pool Area (sq. ft.)<sup>4</sup></b> | <b>NRM Sheet(s)</b> |
|----------------|-----------------|----------------|-----------------------------------------------------|----------------------------------------|---------------------------------------------------|----------------------------------------|---------------------|
| 3              | Chesterville    | VP-114-01      | NVP                                                 | ND                                     | Y                                                 | 3,803                                  | 252                 |
| 3              | Chesterville    | VP-114-03      | ABA                                                 | ND                                     | Y                                                 | 78                                     | 252                 |
| 3              | Jay             | VP-116-01      | NVP                                                 | ND                                     | Y                                                 | 78                                     | 257                 |
| 3              | Jay             | VP-116-02      | NVP                                                 | ND                                     | Y                                                 | 78                                     | 257                 |
| 3              | Jay             | VP-116-03      | NVP                                                 | ND                                     | Y                                                 | 1,002                                  | 257                 |
| 3              | Jay             | VP-116-05      | NVP                                                 | ND                                     | Y                                                 | 312                                    | 258                 |
| 3              | Jay             | VP-116-06      | NVP                                                 | ND                                     | Y                                                 | 130                                    | 258                 |
| 3              | Jay             | VP-117-01      | NVP                                                 | ND                                     | Y                                                 | 28                                     | 258                 |
| 3              | Jay             | VP-117-03      | NVP                                                 | ND                                     | Y                                                 | 1,704                                  | 258, 259            |
| 3              | Jay             | VP-117-04      | ABA                                                 | ND                                     | Y                                                 | 317                                    | 259                 |
| 3              | Jay             | VP-117-05      | NVP                                                 | ND                                     | Y                                                 | 2,750                                  | 260                 |
| 3              | Jay             | VP-117-06      | ABA                                                 | ND                                     | Y                                                 | 28                                     | 260                 |
| 3              | Jay             | VP-118-01      | NVP                                                 | ND                                     | Y                                                 | 28                                     | 261                 |
| 3              | Chesterville    | VP-114-02      | NVP                                                 | NSP                                    | Y                                                 | 1,372                                  | 252                 |
| 3              | Jay             | VP-117-07      | NVP                                                 | NSP                                    | Y                                                 | 996                                    | 260                 |
| 3              | Jay             | VP-118-04      | NVP                                                 | NSP                                    | Y                                                 | 2,557                                  | 262                 |
| 3              | Livermore Falls | VP-126-01      | NVP                                                 | NSP                                    | Y                                                 | 5,074                                  | 279                 |
| 3              | Livermore Falls | VP-128-07      | NVP                                                 | NSP                                    | Y                                                 | 862                                    | 284, 285            |
| 3              | Leeds           | VP-136-08      | ABA                                                 | NSP                                    | Y                                                 | 462                                    | 302, 303            |
| 3              | Greene          | VP-140-01      | NVP                                                 | NSP                                    | Y                                                 | 28                                     | 309, 310            |
| 3              | Greene          | VP-140-06      | NVP                                                 | NSP                                    | Y                                                 | 2,061                                  | 311                 |
| 3              | Greene          | VP-140-11      | NVP                                                 | NSP                                    | Y                                                 | 3,486                                  | 311                 |
| 3              | Lewiston        | VP-145-01      | NVP                                                 | NSP                                    | Y                                                 | 1,704                                  | 320                 |
| 3              | Lewiston        | VP-145-03      | NVP                                                 | NSP                                    | Y                                                 | 2,805                                  | 321                 |
| 3              | Lewiston        | VP-145-05      | NVP                                                 | NSP                                    | Y                                                 | 614                                    | 321                 |
| 3              | Lewiston        | VP-145-06      | NVP                                                 | NSP                                    | Y                                                 | 3,658                                  | 321                 |
| 3              | Concord Twp     | VP-75-104      | NVP                                                 | NSP                                    | Y                                                 | 7,238                                  | 166, 167            |
| 3              | Concord Twp     | VP-77-01       | NVP                                                 | NSP                                    | Y                                                 | 16,759                                 | 171                 |
| 3              | Concord Twp     | VP-77-02       | NVP                                                 | NSP                                    | Y                                                 | 44,627                                 | 170, 171            |
| 3              | Concord Twp     | VP-80-04       | NVP                                                 | NSP                                    | Y                                                 | 316                                    | 177                 |
| 3              | Concord Twp     | VP-80-06       | NVP                                                 | NSP                                    | Y                                                 | 2,690                                  | 177                 |

**Exhibit 7-6: Non-Significant Federal and State Jurisdictional Vernal Pools**

| <b>Segment</b> | <b>Town</b> | <b>Pool ID</b> | <b>Vernal Pool Type (NVP, ABA, SVP)<sup>1</sup></b> | <b>MDIFW Determination<sup>2</sup></b> | <b>Clearing within 250 feet<sup>3</sup> (Y/N)</b> | <b>Pool Area (sq. ft.)<sup>4</sup></b> | <b>NRM Sheet(s)</b> |
|----------------|-------------|----------------|-----------------------------------------------------|----------------------------------------|---------------------------------------------------|----------------------------------------|---------------------|
| 3              | Concord Twp | VP-81-01       | NVP                                                 | NSP                                    | Y                                                 | 7,549                                  | 180                 |
| 3              | Concord Twp | VP-81-02       | NVP                                                 | NSP                                    | Y                                                 | 3,484                                  | 180                 |
| 3              | Concord Twp | VP-81-03       | NVP                                                 | NSP                                    | Y                                                 | 4,960                                  | 179, 180            |
| 3              | Concord Twp | VP-81-04       | NVP                                                 | NSP                                    | Y                                                 | 1,564                                  | 179                 |
| 3              | Embden      | VP-82-07       | NVP                                                 | NSP                                    | Y                                                 | 1,712                                  | 180                 |
| 3              | Embden      | VP-83-06       | NVP                                                 | NSP                                    | Y                                                 | 459                                    | 184                 |
| 3              | Embden      | VP-83-07       | NVP                                                 | NSP                                    | Y                                                 | 955                                    | 184                 |
| 3              | Embden      | VP-83-08       | NVP                                                 | NSP                                    | Y                                                 | 3,193                                  | 184                 |
| 3              | Embden      | VP-83-09       | NVP                                                 | NSP                                    | Y                                                 | 752                                    | 184                 |
| 3              | Embden      | VP-83-10       | NVP                                                 | NSP                                    | Y                                                 | 76                                     | 183                 |
| 3              | Embden      | VP-83-11       | NVP                                                 | NSP                                    | Y                                                 | 962                                    | 184                 |
| 3              | Embden      | VP-83-12       | NVP                                                 | NSP                                    | Y                                                 | 28                                     | 184                 |
| 3              | Embden      | VP-86-01       | NVP                                                 | NSP                                    | Y                                                 | 1,112                                  | 189, 190            |
| 3              | Embden      | VP-86-13       | NVP                                                 | NSP                                    | Y                                                 | 415                                    | 189, 190            |
| 3              | Embden      | VP-87-07       | NVP                                                 | NSP                                    | Y                                                 | 661                                    | 193, 194            |
| 3              | Anson       | VP-92-02       | NVP                                                 | NSP                                    | Y                                                 | 997                                    | 204                 |
| 3              | Anson       | VP-94-03       | NVP                                                 | NSP                                    | Y                                                 | 1,292                                  | 208                 |
| 3              | Anson       | VP-95-01       | NVP                                                 | NSP                                    | Y                                                 | 391                                    | 209, 210            |
| 3              | Anson       | VP-95-02       | NVP                                                 | NSP                                    | Y                                                 | 68                                     | 210                 |
| 3              | Starks      | VP-97-05       | NVP                                                 | NSP                                    | Y                                                 | 3,466                                  | 215                 |
| 3              | Starks      | VP-97-07       | NVP                                                 | NSP                                    | Y                                                 | 1,270                                  | 215, 216            |
| 3              | Lewiston    | VP-PERRON-1    | NVP                                                 | NSP                                    | N                                                 | 3,248                                  | 320                 |
| 3              | Jay         | VP-119-01      | ABA                                                 | ND                                     | Y                                                 | 28                                     | 263                 |
| 3              | Jay         | VP-119-02      | NVP                                                 | ND                                     | Y                                                 | 1,459                                  | 264                 |
| 3              | Jay         | VP-119-04      | NVP                                                 | ND                                     | Y                                                 | 1,124                                  | 264                 |
| 3              | Jay         | VP-119-05      | NVP                                                 | ND                                     | Y                                                 | 37                                     | 264                 |
| 3              | Jay         | VP-119-06      | NVP                                                 | ND                                     | Y                                                 | 28                                     | 264, 265            |
| 3              | Jay         | VP-119-07      | NVP                                                 | ND                                     | Y                                                 | 874                                    | 264, 265            |
| 3              | Jay         | VP-119-08      | NVP                                                 | ND                                     | Y                                                 | 312                                    | 265                 |
| 3              | Jay         | VP-120-01      | NVP                                                 | ND                                     | Y                                                 | 28                                     | 266                 |
| 3              | Jay         | VP-120-02      | NVP                                                 | ND                                     | Y                                                 | 28                                     | 266                 |

**Exhibit 7-6: Non-Significant Federal and State Jurisdictional Vernal Pools**

| <b>Segment</b> | <b>Town</b>     | <b>Pool ID</b> | <b>Vernal Pool Type (NVP, ABA, SVP)<sup>1</sup></b> | <b>MDIFW Determination<sup>2</sup></b> | <b>Clearing within 250 feet<sup>3</sup> (Y/N)</b> | <b>Pool Area (sq. ft.)<sup>4</sup></b> | <b>NRM Sheet(s)</b> |
|----------------|-----------------|----------------|-----------------------------------------------------|----------------------------------------|---------------------------------------------------|----------------------------------------|---------------------|
| 3              | Jay             | VP-120-03      | NVP                                                 | ND                                     | Y                                                 | 28                                     | 266                 |
| 3              | Jay             | VP-121-01      | NVP                                                 | ND                                     | N                                                 | 78                                     | 267                 |
| 3              | Jay             | VP-121-02      | NVP                                                 | ND                                     | N                                                 | 368                                    | 268                 |
| 3              | Livermore Falls | VP-123-01      | NVP                                                 | ND                                     | Y                                                 | 28                                     | 271                 |
| 3              | Livermore Falls | VP-123-02      | NVP                                                 | ND                                     | Y                                                 | 78                                     | 272, 273            |
| 3              | Livermore Falls | VP-123-03      | NVP                                                 | ND                                     | Y                                                 | 1,975                                  | 273                 |
| 3              | Livermore Falls | VP-123-04      | NVP                                                 | ND                                     | Y                                                 | 312                                    | 273                 |
| 3              | Livermore Falls | VP-123-05      | NVP                                                 | ND                                     | Y                                                 | 28                                     | 273                 |
| 3              | Livermore Falls | VP-124-01      | NVP                                                 | ND                                     | Y                                                 | 28                                     | 274                 |
| 3              | Livermore Falls | VP-124-02      | NVP                                                 | ND                                     | Y                                                 | 28                                     | 275                 |
| 3              | Livermore Falls | VP-124-03      | NVP                                                 | ND                                     | Y                                                 | 28                                     | 275                 |
| 3              | Livermore Falls | VP-124-04      | NVP                                                 | ND                                     | Y                                                 | 78                                     | 275                 |
| 3              | Livermore Falls | VP-124-05      | NVP                                                 | ND                                     | Y                                                 | 891                                    | 275                 |
| 3              | Livermore Falls | VP-124-06      | NVP                                                 | ND                                     | Y                                                 | 10,286                                 | 275, 276            |
| 3              | Livermore Falls | VP-124-07      | NVP                                                 | ND                                     | Y                                                 | 538                                    | 276                 |
| 3              | Livermore Falls | VP-125-02      | NVP                                                 | ND                                     | Y                                                 | 78                                     | 276                 |
| 3              | Livermore Falls | VP-125-03      | NVP                                                 | ND                                     | Y                                                 | 176                                    | 276                 |
| 3              | Livermore Falls | VP-125-04      | NVP                                                 | ND                                     | Y                                                 | 1,177                                  | 276, 277            |
| 3              | Livermore Falls | VP-126-02      | NVP                                                 | ND                                     | Y                                                 | 28,222                                 | 279, 280            |
| 3              | Livermore Falls | VP-126-03      | NVP                                                 | ND                                     | Y                                                 | 28                                     | 279, 280            |
| 3              | Livermore Falls | VP-126-04      | NVP                                                 | ND                                     | Y                                                 | 411                                    | 280                 |
| 3              | Livermore Falls | VP-127-01      | ABA                                                 | ND                                     | Y                                                 | 2,047                                  | 280                 |
| 3              | Livermore Falls | VP-127-02      | ABA                                                 | ND                                     | Y                                                 | 78                                     | 281                 |
| 3              | Livermore Falls | VP-127-03      | NVP                                                 | ND                                     | Y                                                 | 28                                     | 282                 |
| 3              | Livermore Falls | VP-127-04      | NVP                                                 | ND                                     | N                                                 | 41                                     | 282, 283            |
| 3              | Livermore Falls | VP-128-01      | NVP                                                 | ND                                     | Y                                                 | 78                                     | 283                 |
| 3              | Livermore Falls | VP-128-02      | NVP                                                 | ND                                     | Y                                                 | 312                                    | 283                 |
| 3              | Livermore Falls | VP-128-03      | NVP                                                 | ND                                     | Y                                                 | 9,484                                  | 283                 |
| 3              | Livermore Falls | VP-128-04      | NVP                                                 | ND                                     | Y                                                 | 78                                     | 284                 |
| 3              | Livermore Falls | VP-128-05      | NVP                                                 | ND                                     | Y                                                 | 78                                     | 284                 |
| 3              | Livermore Falls | VP-128-06      | NVP                                                 | ND                                     | Y                                                 | 382                                    | 284                 |

**Exhibit 7-6: Non-Significant Federal and State Jurisdictional Vernal Pools**

| <b>Segment</b> | <b>Town</b>     | <b>Pool ID</b> | <b>Vernal Pool Type (NVP, ABA, SVP)<sup>1</sup></b> | <b>MDIFW Determination<sup>2</sup></b> | <b>Clearing within 250 feet<sup>3</sup> (Y/N)</b> | <b>Pool Area (sq. ft.)<sup>4</sup></b> | <b>NRM Sheet(s)</b> |
|----------------|-----------------|----------------|-----------------------------------------------------|----------------------------------------|---------------------------------------------------|----------------------------------------|---------------------|
| 3              | Livermore Falls | VP-128-08      | NVP                                                 | ND                                     | Y                                                 | 312                                    | 285                 |
| 3              | Livermore Falls | VP-128-10      | NVP                                                 | ND                                     | Y                                                 | 78                                     | 285                 |
| 3              | Livermore Falls | VP-129-01      | NVP                                                 | ND                                     | Y                                                 | 78                                     | 285                 |
| 3              | Livermore Falls | VP-129-02      | NVP                                                 | ND                                     | Y                                                 | 3,830                                  | 285                 |
| 3              | Livermore Falls | VP-129-03      | NVP                                                 | ND                                     | Y                                                 | 312                                    | 285                 |
| 3              | Livermore Falls | VP-129-04      | NVP                                                 | ND                                     | Y                                                 | 1,064                                  | 286                 |
| 3              | Livermore Falls | VP-129-05      | NVP                                                 | ND                                     | Y                                                 | 1,459                                  | 286                 |
| 3              | Livermore Falls | VP-129-06      | NVP                                                 | ND                                     | Y                                                 | 2,767                                  | 286                 |
| 3              | Leeds           | VP-129-07      | NVP                                                 | ND                                     | Y                                                 | 112                                    | 287                 |
| 3              | Leeds           | VP-129-08      | NVP                                                 | ND                                     | Y                                                 | 78                                     | 287                 |
| 3              | Leeds           | VP-129-09      | NVP                                                 | ND                                     | Y                                                 | 28                                     | 287                 |
| 3              | Leeds           | VP-130-01      | NVP                                                 | ND                                     | Y                                                 | 732                                    | 287                 |
| 3              | Leeds           | VP-130-02      | NVP                                                 | ND                                     | Y                                                 | 312                                    | 287, 288            |
| 3              | Leeds           | VP-130-03      | NVP                                                 | ND                                     | Y                                                 | 78                                     | 287, 288            |
| 3              | Leeds           | VP-130-04      | NVP                                                 | ND                                     | Y                                                 | 78                                     | 288                 |
| 3              | Leeds           | VP-130-05      | NVP                                                 | ND                                     | Y                                                 | 107                                    | 288                 |
| 3              | Leeds           | VP-130-06      | NVP                                                 | ND                                     | Y                                                 | 78                                     | 288                 |
| 3              | Leeds           | VP-130-07      | NVP                                                 | ND                                     | Y                                                 | 28                                     | 288                 |
| 3              | Leeds           | VP-130-09      | NVP                                                 | ND                                     | Y                                                 | 78                                     | 288                 |
| 3              | Leeds           | VP-130-10      | NVP                                                 | ND                                     | Y                                                 | 28                                     | 288                 |
| 3              | Leeds           | VP-130-11      | NVP                                                 | ND                                     | Y                                                 | 455                                    | 288                 |
| 3              | Leeds           | VP-130-12      | NVP                                                 | ND                                     | Y                                                 | 1,032                                  | 288                 |
| 3              | Leeds           | VP-130-13      | NVP                                                 | ND                                     | Y                                                 | 2,793                                  | 289                 |
| 3              | Leeds           | VP-131-01      | ABA                                                 | ND                                     | Y                                                 | 50                                     | 290                 |
| 3              | Leeds           | VP-131-02      | ABA                                                 | ND                                     | Y                                                 | 4,332                                  | 290                 |
| 3              | Leeds           | VP-131-03      | NVP                                                 | ND                                     | Y                                                 | 1,399                                  | 290                 |
| 3              | Leeds           | VP-131-04      | NVP                                                 | ND                                     | Y                                                 | 3,670                                  | 290                 |
| 3              | Leeds           | VP-131-05      | NVP                                                 | ND                                     | Y                                                 | 312                                    | 291                 |
| 3              | Leeds           | VP-132-01      | NVP                                                 | ND                                     | Y                                                 | 28                                     | 292                 |
| 3              | Leeds           | VP-132-02      | NVP                                                 | ND                                     | Y                                                 | 282                                    | 293                 |
| 3              | Leeds           | VP-132-03      | NVP                                                 | ND                                     | Y                                                 | 28                                     | 293                 |

**Exhibit 7-6: Non-Significant Federal and State Jurisdictional Vernal Pools**

| <b>Segment</b> | <b>Town</b> | <b>Pool ID</b> | <b>Vernal Pool Type (NVP, ABA, SVP)<sup>1</sup></b> | <b>MDIFW Determination<sup>2</sup></b> | <b>Clearing within 250 feet<sup>3</sup> (Y/N)</b> | <b>Pool Area (sq. ft.)<sup>4</sup></b> | <b>NRM Sheet(s)</b> |
|----------------|-------------|----------------|-----------------------------------------------------|----------------------------------------|---------------------------------------------------|----------------------------------------|---------------------|
| 3              | Leeds       | VP-133-01      | NVP                                                 | ND                                     | Y                                                 | 185                                    | 294                 |
| 3              | Leeds       | VP-133-02      | NVP                                                 | ND                                     | Y                                                 | 1,751                                  | 294                 |
| 3              | Leeds       | VP-133-03      | NVP                                                 | ND                                     | Y                                                 | 1,603                                  | 295                 |
| 3              | Leeds       | VP-133-04      | NVP                                                 | ND                                     | Y                                                 | 4,993                                  | 295                 |
| 3              | Leeds       | VP-134-01      | NVP                                                 | ND                                     | Y                                                 | 2,883                                  | 297                 |
| 3              | Leeds       | VP-134-02      | NVP                                                 | ND                                     | Y                                                 | 245                                    | 297                 |
| 3              | Leeds       | VP-134-03      | NVP                                                 | ND                                     | Y                                                 | 176                                    | 297                 |
| 3              | Leeds       | VP-134-04      | NVP                                                 | ND                                     | Y                                                 | 330                                    | 297                 |
| 3              | Leeds       | VP-135-01      | NVP                                                 | ND                                     | Y                                                 | 5,371                                  | 298                 |
| 3              | Leeds       | VP-135-02      | NVP                                                 | ND                                     | Y                                                 | 1,908                                  | 298                 |
| 3              | Leeds       | VP-135-04      | NVP                                                 | ND                                     | Y                                                 | 762                                    | 299                 |
| 3              | Leeds       | VP-136-03      | ABA                                                 | ND                                     | Y                                                 | 1,203                                  | 302                 |
| 3              | Leeds       | VP-136-05      | NVP                                                 | ND                                     | Y                                                 | 802                                    | 302                 |
| 3              | Leeds       | VP-136-06      | ABA                                                 | ND                                     | Y                                                 | 1,578                                  | 302                 |
| 3              | Leeds       | VP-136-07      | NVP                                                 | ND                                     | Y                                                 | 482                                    | 302                 |
| 3              | Leeds       | VP-137-01      | NVP                                                 | ND                                     | Y                                                 | 421                                    | 302, 303            |
| 3              | Leeds       | VP-137-02      | NVP                                                 | ND                                     | Y                                                 | 28                                     | 303                 |
| 3              | Leeds       | VP-137-03      | NVP                                                 | ND                                     | Y                                                 | 43                                     | 303                 |
| 3              | Leeds       | VP-137-04      | NVP                                                 | ND                                     | Y                                                 | 67                                     | 303                 |
| 3              | Leeds       | VP-137-05      | NVP                                                 | ND                                     | Y                                                 | 284                                    | 304                 |
| 3              | Leeds       | VP-137-07      | NVP                                                 | ND                                     | Y                                                 | 1,036                                  | 303                 |
| 3              | Leeds       | VP-138-01      | NVP                                                 | ND                                     | Y                                                 | 603                                    | 305                 |
| 3              | Greene      | VP-138-02      | NVP                                                 | ND                                     | Y                                                 | 393                                    | 306, 307            |
| 3              | Greene      | VP-139-01      | NVP                                                 | ND                                     | Y                                                 | 205                                    | 307                 |
| 3              | Greene      | VP-139-02      | NVP                                                 | ND                                     | Y                                                 | 78                                     | 307                 |
| 3              | Greene      | VP-139-03      | NVP                                                 | ND                                     | Y                                                 | 195                                    | 307                 |
| 3              | Greene      | VP-139-04      | NVP                                                 | ND                                     | Y                                                 | 312                                    | 307                 |
| 3              | Greene      | VP-139-05      | ABA                                                 | ND                                     | Y                                                 | 447                                    | 307, 308            |
| 3              | Greene      | VP-139-06      | NVP                                                 | ND                                     | Y                                                 | 1,243                                  | 307, 308            |
| 3              | Greene      | VP-139-07      | NVP                                                 | ND                                     | Y                                                 | 2,977                                  | 308                 |
| 3              | Greene      | VP-139-08      | NVP                                                 | ND                                     | Y                                                 | 886                                    | 308                 |



**Exhibit 7-6: Non-Significant Federal and State Jurisdictional Vernal Pools**

| Segment | Town     | Pool ID   | Vernal Pool Type (NVP, ABA, SVP) <sup>1</sup> | MDIFW Determination <sup>2</sup> | Clearing within 250 feet <sup>3</sup> (Y/N) | Pool Area (sq. ft.) <sup>4</sup> | NRM Sheet(s) |
|---------|----------|-----------|-----------------------------------------------|----------------------------------|---------------------------------------------|----------------------------------|--------------|
| 3       | Greene   | VP-139-09 | NVP                                           | ND                               | Y                                           | 13,623                           | 308          |
| 3       | Greene   | VP-140-03 | NVP                                           | ND                               | Y                                           | 312                              | 310          |
| 3       | Greene   | VP-140-05 | NVP                                           | ND                               | Y                                           | 4,932                            | 311          |
| 3       | Greene   | VP-140-07 | NVP                                           | ND                               | Y                                           | 78                               | 311          |
| 3       | Greene   | VP-140-08 | NVP                                           | ND                               | Y                                           | 78                               | 311          |
| 3       | Greene   | VP-140-09 | NVP                                           | ND                               | Y                                           | 78                               | 311          |
| 3       | Greene   | VP-140-10 | NVP                                           | ND                               | Y                                           | 28                               | 311          |
| 3       | Greene   | VP-140-12 | NVP                                           | ND                               | Y                                           | 1,554                            | 311          |
| 3       | Greene   | VP-140-13 | NVP                                           | ND                               | Y                                           | 28                               | 311          |
| 3       | Greene   | VP-141-01 | NVP                                           | ND                               | Y                                           | 20                               | 311          |
| 3       | Greene   | VP-141-02 | NVP                                           | ND                               | Y                                           | 176                              | 311, 312     |
| 3       | Greene   | VP-141-03 | NVP                                           | ND                               | Y                                           | 703                              | 311, 312     |
| 3       | Greene   | VP-141-04 | NVP                                           | ND                               | Y                                           | 20                               | 312          |
| 3       | Greene   | VP-141-05 | NVP                                           | ND                               | Y                                           | 28                               | 312          |
| 3       | Greene   | VP-141-06 | NVP                                           | ND                               | Y                                           | 28                               | 312          |
| 3       | Greene   | VP-141-07 | NVP                                           | ND                               | Y                                           | 20                               | 312          |
| 3       | Greene   | VP-142-01 | NVP                                           | ND                               | Y                                           | 28                               | 315          |
| 3       | Greene   | VP-142-02 | NVP                                           | ND                               | Y                                           | 28                               | 315          |
| 3       | Greene   | VP-142-03 | NVP                                           | ND                               | Y                                           | 28                               | 315          |
| 3       | Greene   | VP-142-04 | NVP                                           | ND                               | Y                                           | 28                               | 315, 316     |
| 3       | Greene   | VP-142-05 | NVP                                           | ND                               | Y                                           | 28                               | 315, 316     |
| 3       | Greene   | VP-143-01 | NVP                                           | ND                               | Y                                           | 28                               | 316          |
| 3       | Greene   | VP-143-02 | NVP                                           | ND                               | Y                                           | 28                               | 316, 317     |
| 3       | Greene   | VP-143-04 | NVP                                           | ND                               | Y                                           | 28                               | 317          |
| 3       | Greene   | VP-143-05 | NVP                                           | ND                               | Y                                           | 28                               | 317          |
| 3       | Greene   | VP-143-06 | NVP                                           | ND                               | Y                                           | 28                               | 317          |
| 3       | Lewiston | VP-145-02 | NVP                                           | ND                               | N                                           | 28                               | 321          |
| 3       | Lewiston | VP-145-04 | NVP                                           | ND                               | N                                           | 4,345                            | 321          |
| 3       | Lewiston | VP-145-07 | NVP                                           | ND                               | Y                                           | 28                               | 321          |
| 3       | Lewiston | VP-146-03 | ABA                                           | ND                               | N                                           | 1,140                            | 323          |
| 3       | Lewiston | VP-146-05 | ABA                                           | ND                               | N                                           | 655                              | 323          |

**Exhibit 7-6: Non-Significant Federal and State Jurisdictional Vernal Pools**

| <b>Segment</b> | <b>Town</b> | <b>Pool ID</b> | <b>Vernal Pool Type (NVP, ABA, SVP)<sup>1</sup></b> | <b>MDIFW Determination<sup>2</sup></b> | <b>Clearing within 250 feet<sup>3</sup> (Y/N)</b> | <b>Pool Area (sq. ft.)<sup>4</sup></b> | <b>NRM Sheet(s)</b> |
|----------------|-------------|----------------|-----------------------------------------------------|----------------------------------------|---------------------------------------------------|----------------------------------------|---------------------|
| 3              | Lewiston    | VP-146-06      | ABA                                                 | ND                                     | N                                                 | 78                                     | 323                 |
| 3              | Concord Twp | VP-75-103      | NVP                                                 | ND                                     | Y                                                 | 1,987                                  | 167                 |
| 3              | Concord Twp | VP-77-03       | NVP                                                 | ND                                     | Y                                                 | 7,450                                  | 170                 |
| 3              | Concord Twp | VP-79-01       | NVP                                                 | ND                                     | Y                                                 | 741                                    | 175                 |
| 3              | Concord Twp | VP-79-02       | NVP                                                 | ND                                     | Y                                                 | 28                                     | 174                 |
| 3              | Concord Twp | VP-79-03       | NVP                                                 | ND                                     | Y                                                 | 1,334                                  | 174                 |
| 3              | Concord Twp | VP-79-04       | NVP                                                 | ND                                     | Y                                                 | 38                                     | 174                 |
| 3              | Concord Twp | VP-79-05       | NVP                                                 | ND                                     | Y                                                 | 78                                     | 174                 |
| 3              | Concord Twp | VP-79-06       | NVP                                                 | ND                                     | Y                                                 | 28                                     | 174                 |
| 3              | Concord Twp | VP-80-02       | NVP                                                 | ND                                     | Y                                                 | 28                                     | 177, 178            |
| 3              | Concord Twp | VP-80-05       | NVP                                                 | ND                                     | Y                                                 | 78                                     | 176                 |
| 3              | Embden      | VP-82-01       | NVP                                                 | ND                                     | Y                                                 | 28                                     | 181                 |
| 3              | Embden      | VP-82-02       | NVP                                                 | ND                                     | Y                                                 | 28                                     | 181                 |
| 3              | Embden      | VP-82-03       | NVP                                                 | ND                                     | Y                                                 | 312                                    | 181                 |
| 3              | Embden      | VP-82-04       | NVP                                                 | ND                                     | Y                                                 | 1,927                                  | 181                 |
| 3              | Embden      | VP-82-05       | NVP                                                 | ND                                     | Y                                                 | 28                                     | 182, 183            |
| 3              | Embden      | VP-82-06       | NVP                                                 | ND                                     | Y                                                 | 914                                    | 182, 183            |
| 3              | Embden      | VP-83-01       | NVP                                                 | ND                                     | Y                                                 | 662                                    | 183                 |
| 3              | Embden      | VP-86-02       | NVP                                                 | ND                                     | Y                                                 | 234                                    | 191                 |
| 3              | Embden      | VP-86-03       | NVP                                                 | ND                                     | Y                                                 | 210                                    | 191                 |
| 3              | Embden      | VP-86-06       | NVP                                                 | ND                                     | Y                                                 | 28                                     | 191                 |
| 3              | Embden      | VP-86-08       | NVP                                                 | ND                                     | Y                                                 | 28                                     | 190                 |
| 3              | Embden      | VP-86-11       | NVP                                                 | ND                                     | Y                                                 | 78                                     | 191                 |
| 3              | Embden      | VP-86-12       | NVP                                                 | ND                                     | Y                                                 | 264                                    | 191                 |
| 3              | Embden      | VP-87-01       | NVP                                                 | ND                                     | Y                                                 | 145                                    | 191, 192            |
| 3              | Embden      | VP-87-02       | NVP                                                 | ND                                     | Y                                                 | 255                                    | 191, 192            |
| 3              | Embden      | VP-87-03       | NVP                                                 | ND                                     | Y                                                 | 28                                     | 192                 |
| 3              | Embden      | VP-87-04       | NVP                                                 | ND                                     | Y                                                 | 2,692                                  | 192                 |
| 3              | Embden      | VP-87-05       | ABA                                                 | ND                                     | Y                                                 | 262                                    | 193                 |
| 3              | Embden      | VP-87-06       | NVP                                                 | ND                                     | Y                                                 | 28                                     | 193                 |
| 3              | Embden      | VP-87-08       | NVP                                                 | ND                                     | Y                                                 | 28                                     | 193                 |

**Exhibit 7-6: Non-Significant Federal and State Jurisdictional Vernal Pools**

| <b>Segment</b> | <b>Town</b>   | <b>Pool ID</b> | <b>Vernal Pool Type (NVP, ABA, SVP)<sup>1</sup></b> | <b>MDIFW Determination<sup>2</sup></b> | <b>Clearing within 250 feet<sup>3</sup> (Y/N)</b> | <b>Pool Area (sq. ft.)<sup>4</sup></b> | <b>NRM Sheet(s)</b> |
|----------------|---------------|----------------|-----------------------------------------------------|----------------------------------------|---------------------------------------------------|----------------------------------------|---------------------|
| 3              | Embden        | VP-87-09       | NVP                                                 | ND                                     | Y                                                 | 185                                    | 193, 194            |
| 3              | Embden        | VP-87-10       | NVP                                                 | ND                                     | Y                                                 | 1,094                                  | 194                 |
| 3              | Embden        | VP-88-01       | NVP                                                 | ND                                     | Y                                                 | 28                                     | 194                 |
| 3              | Embden        | VP-88-02       | NVP                                                 | ND                                     | Y                                                 | 2,808                                  | 194                 |
| 3              | Embden        | VP-88-03       | ABA                                                 | ND                                     | Y                                                 | 28                                     | 194                 |
| 3              | Embden        | VP-88-04       | ABA                                                 | ND                                     | Y                                                 | 28                                     | 194                 |
| 3              | Embden        | VP-88-06       | NVP                                                 | ND                                     | Y                                                 | 190                                    | 194                 |
| 3              | Embden        | VP-88-07       | NVP                                                 | ND                                     | Y                                                 | 28                                     | 194, 195            |
| 3              | Anson, Embden | VP-88-08       | NVP                                                 | ND                                     | Y                                                 | 102                                    | 194, 195            |
| 3              | Anson         | VP-88-09       | ABA                                                 | ND                                     | Y                                                 | 78                                     | 195                 |
| 3              | Anson         | VP-88-10       | NVP                                                 | ND                                     | Y                                                 | 28                                     | 195                 |
| 3              | Anson         | VP-89-01       | NVP                                                 | ND                                     | Y                                                 | 239                                    | 196                 |
| 3              | Anson         | VP-91-01       | ABA                                                 | ND                                     | Y                                                 | 165                                    | 202                 |
| 3              | Anson         | VP-91-02       | NVP                                                 | ND                                     | Y                                                 | 2,031                                  | 202                 |
| 3              | Anson         | VP-91-03       | NVP                                                 | ND                                     | Y                                                 | 261                                    | 202, 203            |
| 3              | Anson         | VP-92-03       | NVP                                                 | ND                                     | Y                                                 | 367                                    | 204                 |
| 3              | Anson         | VP-93-01       | NVP                                                 | ND                                     | Y                                                 | 298                                    | 205                 |
| 3              | Anson         | VP-93-02       | ABA                                                 | ND                                     | Y                                                 | 1,401                                  | 206                 |
| 3              | Anson         | VP-94-01       | ABA                                                 | ND                                     | Y                                                 | 94                                     | 208                 |
| 3              | Anson         | VP-94-02       | NVP                                                 | ND                                     | Y                                                 | 28                                     | 208                 |
| 3              | Anson         | VP-94-04       | ABA                                                 | ND                                     | Y                                                 | 28                                     | 208                 |
| 3              | Starks        | VP-95-03       | NVP                                                 | ND                                     | N                                                 | 1,357                                  | 211                 |
| 3              | Starks        | VP-95-04       | NVP                                                 | ND                                     | Y                                                 | 78                                     | 211                 |
| 3              | Starks        | VP-96-01       | NVP                                                 | ND                                     | Y                                                 | 506                                    | 212                 |
| 3              | Starks        | VP-96-02       | NVP                                                 | ND                                     | Y                                                 | 149                                    | 212                 |
| 3              | Starks        | VP-96-03       | NVP                                                 | ND                                     | Y                                                 | 78                                     | 213                 |
| 3              | Starks        | VP-96-04       | NVP                                                 | ND                                     | Y                                                 | 28                                     | 213                 |
| 3              | Starks        | VP-96-05       | NVP                                                 | ND                                     | Y                                                 | 176                                    | 213                 |
| 3              | Starks        | VP-97-01       | NVP                                                 | ND                                     | Y                                                 | 536                                    | 215                 |
| 3              | Starks        | VP-97-02       | NVP                                                 | ND                                     | Y                                                 | 223                                    | 215                 |
| 3              | Starks        | VP-97-03       | NVP                                                 | ND                                     | Y                                                 | 28                                     | 215                 |

**Exhibit 7-6: Non-Significant Federal and State Jurisdictional Vernal Pools**

| <b>Segment</b> | <b>Town</b>     | <b>Pool ID</b> | <b>Vernal Pool Type (NVP, ABA, SVP)<sup>1</sup></b> | <b>MDIFW Determination<sup>2</sup></b> | <b>Clearing within 250 feet<sup>3</sup> (Y/N)</b> | <b>Pool Area (sq. ft.)<sup>4</sup></b> | <b>NRM Sheet(s)</b> |
|----------------|-----------------|----------------|-----------------------------------------------------|----------------------------------------|---------------------------------------------------|----------------------------------------|---------------------|
| 3              | Starks          | VP-97-04       | NVP                                                 | ND                                     | Y                                                 | 225                                    | 215                 |
| 3              | Starks          | VP-97-08       | NVP                                                 | ND                                     | Y                                                 | 50                                     | 215, 216            |
| 3              | Starks          | VP-97-09       | NVP                                                 | ND                                     | Y                                                 | 78                                     | 216                 |
| 3              | Starks          | VP-97-10       | ABA                                                 | ND                                     | Y                                                 | 112                                    | 215                 |
| 3              | Starks          | VP-98-01       | ABA                                                 | ND                                     | Y                                                 | 28                                     | 216                 |
| 3              | Starks          | VP-98-02       | NVP                                                 | ND                                     | Y                                                 | 176                                    | 216                 |
| 3              | Starks          | VP-98-03       | NVP                                                 | ND                                     | Y                                                 | 28                                     | 216                 |
| 3              | Starks          | VP-98-04       | NVP                                                 | ND                                     | Y                                                 | 28                                     | 216                 |
| 3              | Starks          | VP-98-05       | ABA                                                 | ND                                     | Y                                                 | 136                                    | 217                 |
| 3              | Starks          | VP-98-06       | NVP                                                 | ND                                     | Y                                                 | 1,126                                  | 217, 218            |
| 3              | Starks          | VP-98-07       | NVP                                                 | ND                                     | Y                                                 | 28                                     | 216                 |
| 3              | Starks          | VP-98-08       | ABA                                                 | ND                                     | Y                                                 | 28                                     | 217                 |
| 3              | Starks          | VP-99-01       | NVP                                                 | ND                                     | Y                                                 | 28                                     | 218                 |
| 3              | Starks          | VP-99-02       | ABA                                                 | ND                                     | Y                                                 | 307                                    | 218                 |
| 3              | Starks          | VP-99-03       | NVP                                                 | ND                                     | Y                                                 | 785                                    | 219                 |
| 3              | Starks          | VP-99-04       | NVP                                                 | ND                                     | Y                                                 | 186                                    | 219                 |
| 3              | Starks          | VP-99-05       | NVP                                                 | ND                                     | Y                                                 | 28                                     | 219                 |
| 3              | Starks          | VP-99-06       | NVP                                                 | ND                                     | Y                                                 | 28                                     | 219                 |
| 3              | Starks          | VP-99-07       | NVP                                                 | ND                                     | Y                                                 | 28                                     | 219                 |
| 3              | Starks          | VP-99-08       | NVP                                                 | ND                                     | Y                                                 | 1,470                                  | 219, 220            |
| 3              | Livermore Falls | VP-BOWMAN-1    | NVP                                                 | ND                                     | N                                                 | 337                                    | 280                 |
| 4              | Lewiston        | VP-146-01      | ABA                                                 | ND                                     | N                                                 | 934                                    | 324                 |
| 4              | Lewiston        | VP-146-02      | ABA                                                 | ND                                     | N                                                 | 90                                     | 324                 |
| 4              | Lewiston        | VP-146-04      | ABA                                                 | ND                                     | N                                                 | 8,971                                  | 323, 324            |
| 4              | Lewiston        | VP-147-01      | ABA                                                 | ND                                     | N                                                 | 1,043                                  | 325                 |
| 4              | Lewiston        | VP-147-02      | ABA                                                 | ND                                     | N                                                 | 4,778                                  | 325                 |
| 4              | Lewiston        | VP-147-03      | ABA                                                 | ND                                     | N                                                 | 6,522                                  | 325                 |
| 4              | Lewiston        | VP-147-04      | ABA                                                 | ND                                     | N                                                 | 151                                    | 327                 |
| 4              | Lewiston        | VP-147-05      | ABA                                                 | ND                                     | N                                                 | 754                                    | 327                 |
| 4              | Lewiston        | VP-147-06      | ABA                                                 | ND                                     | N                                                 | 74                                     | 327                 |
| 4              | Lewiston        | VP-147-07      | ABA                                                 | ND                                     | N                                                 | 894                                    | 325                 |

**Exhibit 7-6: Non-Significant Federal and State Jurisdictional Vernal Pools**

| Segment | Town     | Pool ID   | Vernal Pool Type (NVP, ABA, SVP) <sup>1</sup> | MDIFW Determination <sup>2</sup> | Clearing within 250 feet <sup>3</sup> (Y/N) | Pool Area (sq. ft.) <sup>4</sup> | NRM Sheet(s) |
|---------|----------|-----------|-----------------------------------------------|----------------------------------|---------------------------------------------|----------------------------------|--------------|
| 4       | Lewiston | VP-147-09 | ABA                                           | ND                               | N                                           | 11,829                           | 327          |
| 4       | Lewiston | VP-148-01 | ABA                                           | ND                               | N                                           | 1,112                            | 328          |
| 4       | Lewiston | VP-148-02 | ABA                                           | ND                               | N                                           | 1,519                            | 328, 329     |
| 4       | Lewiston | VP-148-03 | ABA                                           | ND                               | N                                           | 1,519                            | 328, 329     |
| 4       | Lewiston | VP-148-04 | ABA                                           | ND                               | N                                           | 595                              | 328, 329     |
| 4       | Lewiston | VP-148-05 | ABA                                           | ND                               | N                                           | 2,052                            | 328, 329     |
| 4       | Lewiston | VP-148-07 | NVP                                           | ND                               | N                                           | 1,254                            | 329          |
| 4       | Lewiston | VP-149-01 | ABA                                           | ND                               | N                                           | 4,186                            | 331          |
| 4       | Lewiston | VP-149-02 | ABA                                           | ND                               | N                                           | 87                               | 330          |
| 4       | Lewiston | VP-149-03 | ABA                                           | ND                               | N                                           | 532                              | 330          |
| 4       | Lewiston | VP-149-04 | NVP                                           | ND                               | N                                           | 9,899                            | 330          |
| 4       | Lewiston | VP-150-01 | ABA                                           | ND                               | N                                           | 1,220                            | 332          |
| 4       | Lewiston | VP-150-02 | ABA                                           | ND                               | N                                           | 133                              | 332          |
| 4       | Lewiston | VP-150-03 | ABA                                           | ND                               | N                                           | 1,312                            | 332          |
| 4       | Lewiston | VP-150-04 | ABA                                           | ND                               | N                                           | 297                              | 332          |
| 4       | Lewiston | VP-150-05 | ABA                                           | ND                               | N                                           | 362                              | 332          |
| 4       | Lewiston | VP-151-01 | NVP                                           | ND                               | N                                           | 863                              | 335          |
| 4       | Lewiston | VP-151-02 | NVP                                           | ND                               | N                                           | 132                              | 335          |
| 4       | Lewiston | VP-151-03 | ABA                                           | ND                               | N                                           | 859                              | 335          |
| 4       | Lewiston | VP-151-04 | NVP                                           | ND                               | N                                           | 1,036                            | 334          |
| 4       | Lewiston | VP-152-01 | ABA                                           | ND                               | N                                           | 4,812                            | 338          |
| 4       | Lewiston | VP-153-01 | ABA                                           | ND                               | N                                           | 242                              | 339          |
| 4       | Lewiston | VP-155-01 | ABA                                           | ND                               | N                                           | 903                              | 343          |
| 4       | Auburn   | VP-155-02 | ABA                                           | ND                               | N                                           | 337                              | 344, 345     |
| 4       | Auburn   | VP-155-03 | ABA                                           | ND                               | N                                           | 2,458                            | 344, 345     |
| 4       | Auburn   | VP-155-04 | ABA                                           | ND                               | N                                           | 856                              | 344          |
| 4       | Auburn   | VP-155-05 | ABA                                           | ND                               | N                                           | 4,614                            | 344          |
| 4       | Lewiston | VP-155-06 | ABA                                           | ND                               | N                                           | 9,855                            | 343          |
| 4       | Durham   | VP-156-01 | ABA                                           | ND                               | N                                           | 172                              | 346          |
| 4       | Durham   | VP-156-02 | ABA                                           | ND                               | N                                           | 223                              | 346          |
| 4       | Durham   | VP-156-03 | ABA                                           | ND                               | N                                           | 1,590                            | 346          |

**Exhibit 7-6: Non-Significant Federal and State Jurisdictional Vernal Pools**

| Segment | Town       | Pool ID   | Vernal Pool Type (NVP, ABA, SVP) <sup>1</sup> | MDIFW Determination <sup>2</sup> | Clearing within 250 feet <sup>3</sup> (Y/N) | Pool Area (sq. ft.) <sup>4</sup> | NRM Sheet(s) |
|---------|------------|-----------|-----------------------------------------------|----------------------------------|---------------------------------------------|----------------------------------|--------------|
| 4       | Durham     | VP-156-04 | ABA                                           | ND                               | N                                           | 2,073                            | 347          |
| 4       | Durham     | VP-157-01 | ABA                                           | ND                               | N                                           | 324                              | 348          |
| 4       | Durham     | VP-157-02 | ABA                                           | ND                               | N                                           | 851                              | 348, 349     |
| 4       | Durham     | VP-157-03 | ABA                                           | ND                               | N                                           | 1,730                            | 348, 349     |
| 4       | Durham     | VP-157-04 | ABA                                           | ND                               | N                                           | 5,376                            | 348          |
| 4       | Durham     | VP-157-05 | ABA                                           | ND                               | N                                           | 12,978                           | 348, 349     |
| 4       | Durham     | VP-158-02 | NVP                                           | ND                               | N                                           | 568                              | 349          |
| 4       | Durham     | VP-159-01 | ABA                                           | ND                               | N                                           | 8,609                            | 353, 354     |
| 4       | Durham     | VP-159-02 | ABA                                           | ND                               | N                                           | 2,978                            | 353, 354     |
| 4       | Durham     | VP-159-03 | ABA                                           | ND                               | N                                           | 3,494                            | 354          |
| 4       | Durham     | VP-159-04 | ABA                                           | ND                               | N                                           | 251                              | 352          |
| 4       | Durham     | VP-159-05 | ABA                                           | ND                               | N                                           | 812                              | 353          |
| 4       | Durham     | VP-160-01 | ABA                                           | ND                               | N                                           | 2,579                            | 354          |
| 4       | Durham     | VP-160-02 | ABA                                           | ND                               | N                                           | 28                               | 354          |
| 4       | Durham     | VP-160-03 | ABA                                           | ND                               | N                                           | 28                               | 354          |
| 4       | Pownal     | VP-161-01 | ABA                                           | ND                               | N                                           | 28                               | 358          |
| 4       | Pownal     | VP-161-02 | ABA                                           | ND                               | N                                           | 28                               | 358          |
| 4       | Pownal     | VP-161-03 | ABA                                           | ND                               | N                                           | 28                               | 358          |
| 4       | Pownal     | VP-161-04 | ABA                                           | ND                               | N                                           | 28                               | 356          |
| 4       | Pownal     | VP-161-05 | ABA                                           | ND                               | N                                           | 28                               | 356          |
| 4       | Pownal     | VP-161-06 | NVP                                           | ND                               | N                                           | 360                              | 357          |
| 4       | Pownal     | VP-161-07 | ABA                                           | ND                               | N                                           | 28                               | 357          |
| 4       | Pownal     | VP-161-08 | ABA                                           | ND                               | N                                           | 28                               | 357, 358     |
| 4       | Pownal     | VP-161-09 | ABA                                           | ND                               | N                                           | 28                               | 358          |
| 4       | Pownal     | VP-161-11 | ABA                                           | ND                               | N                                           | 403                              | 356          |
| 4       | Pownal     | VP-161-13 | ABA                                           | ND                               | N                                           | 28                               | 357          |
| 4       | Pownal     | VP-161-14 | NVP                                           | ND                               | N                                           | 95                               | 357          |
| 4       | Pownal     | VP-161-15 | ABA                                           | ND                               | N                                           | 28                               | 357          |
| 4       | Pownal     | VP-161-16 | ABA                                           | ND                               | N                                           | 28                               | 358          |
| 4       | Pownal     | VP-161-17 | ABA                                           | ND                               | N                                           | 28                               | 358          |
| 5       | Whitefield | VP-173-02 | NVP                                           | NSP                              | N                                           | 3,558                            | 393          |

**Exhibit 7-6: Non-Significant Federal and State Jurisdictional Vernal Pools**

| <b>Segment</b> | <b>Town</b> | <b>Pool ID</b> | <b>Vernal Pool Type (NVP, ABA, SVP)<sup>1</sup></b> | <b>MDIFW Determination<sup>2</sup></b> | <b>Clearing within 250 feet<sup>3</sup> (Y/N)</b> | <b>Pool Area (sq. ft.)<sup>4</sup></b> | <b>NRM Sheet(s)</b> |
|----------------|-------------|----------------|-----------------------------------------------------|----------------------------------------|---------------------------------------------------|----------------------------------------|---------------------|
| 5              | Wiscasset   | VP-182-02      | NVP                                                 | NSP                                    | N                                                 | 969                                    | 372                 |
| 5              | Wiscasset   | VP-183-05      | NVP                                                 | NSP                                    | N                                                 | 6,236                                  | 370, 371            |
| 5              | Windsor     | VP-162-02      | NVP                                                 | ND                                     | N                                                 | 91                                     | 417                 |
| 5              | Windsor     | VP-163-01      | NVP                                                 | ND                                     | N                                                 | 163                                    | 416                 |
| 5              | Windsor     | VP-163-02      | ABA                                                 | ND                                     | N                                                 | 684                                    | 414, 415            |
| 5              | Windsor     | VP-163-03      | NVP                                                 | ND                                     | N                                                 | 109                                    | 414                 |
| 5              | Windsor     | VP-164-01      | NVP                                                 | ND                                     | N                                                 | 121                                    | 414                 |
| 5              | Windsor     | VP-164-02      | NVP                                                 | ND                                     | N                                                 | 3,980                                  | 412                 |
| 5              | Windsor     | VP-164-03      | NVP                                                 | ND                                     | N                                                 | 649                                    | 412                 |
| 5              | Whitefield  | VP-164-04      | NVP                                                 | ND                                     | N                                                 | 1,999                                  | 411, 412            |
| 5              | Whitefield  | VP-164-05      | NVP                                                 | ND                                     | N                                                 | 218                                    | 411, 412            |
| 5              | Whitefield  | VP-165-01      | NVP                                                 | ND                                     | N                                                 | 5,358                                  | 410, 411            |
| 5              | Whitefield  | VP-165-02      | NVP                                                 | ND                                     | N                                                 | 258                                    | 409                 |
| 5              | Whitefield  | VP-166-01      | NVP                                                 | ND                                     | N                                                 | 1,020                                  | 408                 |
| 5              | Whitefield  | VP-166-02      | ABA                                                 | ND                                     | N                                                 | 28                                     | 408                 |
| 5              | Whitefield  | VP-166-03      | NVP                                                 | ND                                     | N                                                 | 959                                    | 407                 |
| 5              | Whitefield  | VP-166-04      | NVP                                                 | ND                                     | N                                                 | 766                                    | 407                 |
| 5              | Whitefield  | VP-167-01      | NVP                                                 | ND                                     | N                                                 | 28                                     | 407                 |
| 5              | Whitefield  | VP-167-02      | NVP                                                 | ND                                     | N                                                 | 219                                    | 407                 |
| 5              | Whitefield  | VP-167-03      | NVP                                                 | ND                                     | N                                                 | 28                                     | 405                 |
| 5              | Whitefield  | VP-168-01      | NVP                                                 | ND                                     | N                                                 | 1,521                                  | 404                 |
| 5              | Whitefield  | VP-168-02      | NVP                                                 | ND                                     | N                                                 | 28                                     | 404                 |
| 5              | Whitefield  | VP-169-02      | ABA                                                 | ND                                     | N                                                 | 270                                    | 400, 401            |
| 5              | Whitefield  | VP-169-03      | NVP                                                 | ND                                     | N                                                 | 312                                    | 400                 |
| 5              | Whitefield  | VP-170-01      | ABA                                                 | ND                                     | N                                                 | 78                                     | 400                 |
| 5              | Whitefield  | VP-170-02      | NVP                                                 | ND                                     | N                                                 | 28                                     | 399                 |
| 5              | Whitefield  | VP-170-03      | NVP                                                 | ND                                     | N                                                 | 1,196                                  | 399                 |
| 5              | Whitefield  | VP-170-04      | NVP                                                 | ND                                     | N                                                 | 505                                    | 399                 |
| 5              | Whitefield  | VP-170-05      | NVP                                                 | ND                                     | N                                                 | 698                                    | 398, 399            |
| 5              | Whitefield  | VP-171-01      | NVP                                                 | ND                                     | N                                                 | 28                                     | 398                 |
| 5              | Whitefield  | VP-171-02      | NVP                                                 | ND                                     | N                                                 | 312                                    | 398                 |

**Exhibit 7-6: Non-Significant Federal and State Jurisdictional Vernal Pools**

| <b>Segment</b> | <b>Town</b> | <b>Pool ID</b> | <b>Vernal Pool Type (NVP, ABA, SVP)<sup>1</sup></b> | <b>MDIFW Determination<sup>2</sup></b> | <b>Clearing within 250 feet<sup>3</sup> (Y/N)</b> | <b>Pool Area (sq. ft.)<sup>4</sup></b> | <b>NRM Sheet(s)</b> |
|----------------|-------------|----------------|-----------------------------------------------------|----------------------------------------|---------------------------------------------------|----------------------------------------|---------------------|
| 5              | Whitefield  | VP-171-03      | NVP                                                 | ND                                     | N                                                 | 28                                     | 398                 |
| 5              | Whitefield  | VP-171-04      | ABA                                                 | ND                                     | N                                                 | 176                                    | 397                 |
| 5              | Whitefield  | VP-171-05      | ABA                                                 | ND                                     | N                                                 | 28                                     | 398                 |
| 5              | Whitefield  | VP-173-01      | ABA                                                 | ND                                     | N                                                 | 427                                    | 393                 |
| 5              | Whitefield  | VP-173-03      | ABA                                                 | ND                                     | N                                                 | 78                                     | 393                 |
| 5              | Whitefield  | VP-173-04      | ABA                                                 | ND                                     | N                                                 | 3,574                                  | 392                 |
| 5              | Whitefield  | VP-173-05      | NVP                                                 | ND                                     | N                                                 | 50                                     | 392                 |
| 5              | Whitefield  | VP-173-06      | NVP                                                 | ND                                     | N                                                 | 703                                    | 392                 |
| 5              | Whitefield  | VP-174-02      | ABA                                                 | ND                                     | N                                                 | 28                                     | 391                 |
| 5              | Whitefield  | VP-174-03      | NVP                                                 | ND                                     | N                                                 | 591                                    | 390, 391            |
| 5              | Whitefield  | VP-174-04      | NVP                                                 | ND                                     | N                                                 | 2,645                                  | 390                 |
| 5              | Whitefield  | VP-174-05      | NVP                                                 | ND                                     | N                                                 | 28                                     | 390                 |
| 5              | Whitefield  | VP-174-07      | ABA                                                 | ND                                     | N                                                 | 28                                     | 390                 |
| 5              | Whitefield  | VP-174-08      | NVP                                                 | ND                                     | N                                                 | 649                                    | 390                 |
| 5              | Whitefield  | VP-174-09      | NVP                                                 | ND                                     | N                                                 | 2,327                                  | 390                 |
| 5              | Whitefield  | VP-174-10      | NVP                                                 | ND                                     | N                                                 | 761                                    | 390                 |
| 5              | Whitefield  | VP-174-11      | ABA                                                 | ND                                     | N                                                 | 28                                     | 391                 |
| 5              | Whitefield  | VP-175-01      | ABA                                                 | ND                                     | N                                                 | 28                                     | 389                 |
| 5              | Whitefield  | VP-175-02      | ABA                                                 | ND                                     | N                                                 | 28                                     | 388                 |
| 5              | Alna        | VP-176-01      | ABA                                                 | ND                                     | N                                                 | 804                                    | 385                 |
| 5              | Alna        | VP-177-01      | NVP                                                 | ND                                     | N                                                 | 735                                    | 385                 |
| 5              | Alna        | VP-177-02      | NVP                                                 | ND                                     | N                                                 | 28                                     | 385                 |
| 5              | Alna        | VP-177-03      | NVP                                                 | ND                                     | N                                                 | 2,974                                  | 384, 385            |
| 5              | Alna        | VP-177-04      | NVP                                                 | ND                                     | N                                                 | 3,984                                  | 385                 |
| 5              | Alna        | VP-177-05      | NVP                                                 | ND                                     | N                                                 | 28                                     | 384, 385            |
| 5              | Alna        | VP-177-06      | ABA                                                 | ND                                     | N                                                 | 28                                     | 383                 |
| 5              | Alna        | VP-177-07      | NVP                                                 | ND                                     | N                                                 | 3,479                                  | 383                 |
| 5              | Alna        | VP-177-08      | NVP                                                 | ND                                     | N                                                 | 1,387                                  | 383                 |
| 5              | Alna        | VP-177-09      | NVP                                                 | ND                                     | N                                                 | 28                                     | 383                 |
| 5              | Alna        | VP-177-10      | NVP                                                 | ND                                     | N                                                 | 28                                     | 383                 |
| 5              | Alna        | VP-177-11      | NVP                                                 | ND                                     | N                                                 | 28                                     | 383                 |



**Exhibit 7-6: Non-Significant Federal and State Jurisdictional Vernal Pools**

| Segment | Town      | Pool ID   | Vernal Pool Type (NVP, ABA, SVP) <sup>1</sup> | MDIFW Determination <sup>2</sup> | Clearing within 250 feet <sup>3</sup> (Y/N) | Pool Area (sq. ft.) <sup>4</sup> | NRM Sheet(s) |
|---------|-----------|-----------|-----------------------------------------------|----------------------------------|---------------------------------------------|----------------------------------|--------------|
| 5       | Alna      | VP-177-12 | NVP                                           | ND                               | N                                           | 414                              | 383          |
| 5       | Alna      | VP-177-13 | NVP                                           | ND                               | N                                           | 28                               | 383          |
| 5       | Alna      | VP-177-14 | ABA                                           | ND                               | N                                           | 28                               | 383          |
| 5       | Alna      | VP-177-15 | NVP                                           | ND                               | N                                           | 1,578                            | 383          |
| 5       | Alna      | VP-178-01 | ABA                                           | ND                               | N                                           | 28                               | 382          |
| 5       | Alna      | VP-178-02 | ABA                                           | ND                               | N                                           | 28                               | 382          |
| 5       | Alna      | VP-178-03 | ABA                                           | ND                               | N                                           | 28                               | 382          |
| 5       | Alna      | VP-178-04 | ABA                                           | ND                               | N                                           | 28                               | 382          |
| 5       | Alna      | VP-178-05 | ABA                                           | ND                               | N                                           | 28                               | 381          |
| 5       | Alna      | VP-179-01 | ABA                                           | ND                               | N                                           | 28                               | 380          |
| 5       | Alna      | VP-179-02 | ABA                                           | ND                               | N                                           | 899                              | 380          |
| 5       | Alna      | VP-180-01 | ABA                                           | ND                               | N                                           | 28                               | 378          |
| 5       | Alna      | VP-180-02 | ABA                                           | ND                               | N                                           | 28                               | 378          |
| 5       | Alna      | VP-180-03 | ABA                                           | ND                               | N                                           | 28                               | 377, 378     |
| 5       | Alna      | VP-180-04 | ABA                                           | ND                               | N                                           | 808                              | 377          |
| 5       | Alna      | VP-180-05 | ABA                                           | ND                               | N                                           | 28                               | 377          |
| 5       | Alna      | VP-180-06 | NVP                                           | ND                               | N                                           | 7,839                            | 377          |
| 5       | Alna      | VP-180-07 | NVP                                           | ND                               | N                                           | 28                               | 376, 377     |
| 5       | Alna      | VP-180-08 | NVP                                           | ND                               | N                                           | 1,199                            | 376, 377     |
| 5       | Alna      | VP-180-09 | NVP                                           | ND                               | N                                           | 3,675                            | 376          |
| 5       | Alna      | VP-180-10 | NVP                                           | ND                               | N                                           | 5,987                            | 376          |
| 5       | Alna      | VP-180-11 | NVP                                           | ND                               | N                                           | 28                               | 376          |
| 5       | Wiscasset | VP-181-01 | ABA                                           | ND                               | N                                           | 28                               | 375          |
| 5       | Wiscasset | VP-181-02 | ABA                                           | ND                               | N                                           | 28                               | 375          |
| 5       | Wiscasset | VP-182-01 | NVP                                           | ND                               | N                                           | 28                               | 373          |
| 5       | Wiscasset | VP-182-03 | ABA                                           | ND                               | N                                           | 28                               | 372          |
| 5       | Wiscasset | VP-182-04 | NVP                                           | ND                               | N                                           | 1,949                            | 372          |
| 5       | Wiscasset | VP-182-05 | NVP                                           | ND                               | N                                           | 28                               | 372          |
| 5       | Wiscasset | VP-182-06 | NVP                                           | ND                               | N                                           | 1,445                            | 372          |
| 5       | Wiscasset | VP-182-07 | NVP                                           | ND                               | N                                           | 1,498                            | 372          |
| 5       | Wiscasset | VP-182-08 | NVP                                           | ND                               | N                                           | 28                               | 371, 372     |

**Exhibit 7-6: Non-Significant Federal and State Jurisdictional Vernal Pools**

| <b>Segment</b> | <b>Town</b> | <b>Pool ID</b> | <b>Vernal Pool Type (NVP, ABA, SVP)<sup>1</sup></b> | <b>MDIFW Determination<sup>2</sup></b> | <b>Clearing within 250 feet<sup>3</sup> (Y/N)</b> | <b>Pool Area (sq. ft.)<sup>4</sup></b> | <b>NRM Sheet(s)</b> |
|----------------|-------------|----------------|-----------------------------------------------------|----------------------------------------|---------------------------------------------------|----------------------------------------|---------------------|
| 5              | Wiscasset   | VP-183-01      | NVP                                                 | ND                                     | N                                                 | 28                                     | 371                 |
| 5              | Wiscasset   | VP-183-02      | NVP                                                 | ND                                     | N                                                 | 1,076                                  | 371                 |
| 5              | Wiscasset   | VP-183-03      | ABA                                                 | ND                                     | N                                                 | 28                                     | 371                 |
| 5              | Wiscasset   | VP-183-04      | NVP                                                 | ND                                     | N                                                 | 6,505                                  | 371                 |
| 5              | Wiscasset   | VP-183-06      | NVP                                                 | ND                                     | N                                                 | 28                                     | 370                 |
| 5              | Wiscasset   | VP-183-07      | ABA                                                 | ND                                     | N                                                 | 28                                     | 370                 |
| 5              | Wiscasset   | VP-183-08      | ABA                                                 | ND                                     | N                                                 | 791                                    | 370                 |
| 5              | Wiscasset   | VP-183-09      | NVP                                                 | ND                                     | N                                                 | 28                                     | 370                 |
| 5              | Wiscasset   | VP-183-10      | NVP                                                 | ND                                     | N                                                 | 28                                     | 370                 |
| 5              | Wiscasset   | VP-183-11      | NVP                                                 | ND                                     | N                                                 | 28                                     | 370                 |
| 5              | Wiscasset   | VP-183-12      | ABA                                                 | ND                                     | N                                                 | 477                                    | 370                 |
| 5              | Wiscasset   | VP-183-13      | ABA                                                 | ND                                     | N                                                 | 28                                     | 370                 |
| 5              | Wiscasset   | VP-183-14      | NVP                                                 | ND                                     | N                                                 | 1,578                                  | 369                 |
| 5              | Wiscasset   | VP-183-15      | ABA                                                 | ND                                     | N                                                 | 135                                    | 369                 |
| 5              | Wiscasset   | VP-183-16      | NVP                                                 | ND                                     | N                                                 | 28                                     | 369                 |
| 5              | Wiscasset   | VP-183-17      | ABA                                                 | ND                                     | N                                                 | 28                                     | 370                 |
| 5              | Wiscasset   | VP-184-01      | NVP                                                 | ND                                     | N                                                 | 1,189                                  | 369                 |
| 5              | Woolwich    | VP-184-02      | NVP                                                 | ND                                     | N                                                 | 8                                      | 367                 |
| 5              | Woolwich    | VP-185-01      | ABA                                                 | ND                                     | N                                                 | 28                                     | 366                 |
| 5              | Woolwich    | VP-185-02      | NVP                                                 | ND                                     | N                                                 | 28                                     | 366                 |
| 5              | Woolwich    | VP-185-03      | NVP                                                 | ND                                     | N                                                 | 2,224                                  | 366                 |
| 5              | Woolwich    | VP-185-04      | NVP                                                 | ND                                     | N                                                 | 28                                     | 366                 |
| 5              | Woolwich    | VP-185-05      | NVP                                                 | ND                                     | N                                                 | 28                                     | 366                 |
| 5              | Woolwich    | VP-185-06      | NVP                                                 | ND                                     | N                                                 | 28                                     | 366                 |
| 5              | Woolwich    | VP-185-07      | NVP                                                 | ND                                     | N                                                 | 28                                     | 366                 |
| 5              | Woolwich    | VP-185-08      | ABA                                                 | ND                                     | N                                                 | 28                                     | 366                 |
| 5              | Wiscasset   | VP-186-01      | NVP                                                 | ND                                     | N                                                 | 1,672                                  | 365                 |
| 5              | Wiscasset   | VP-186-02      | NVP                                                 | ND                                     | N                                                 | 496                                    | 365                 |
| 5              | Wiscasset   | VP-186-03      | NVP                                                 | ND                                     | N                                                 | 1,201                                  | 365                 |
| 5              | Wiscasset   | VP-186-04      | NVP                                                 | ND                                     | N                                                 | 28                                     | 364, 365            |
| 5              | Wiscasset   | VP-186-05      | NVP                                                 | ND                                     | N                                                 | 3,313                                  | 364                 |

**Exhibit 7-6: Non-Significant Federal and State Jurisdictional Vernal Pools**

| <b>Segment</b> | <b>Town</b> | <b>Pool ID</b> | <b>Vernal Pool Type (NVP, ABA, SVP)<sup>1</sup></b> | <b>MDIFW Determination<sup>2</sup></b> | <b>Clearing within 250 feet<sup>3</sup> (Y/N)</b> | <b>Pool Area (sq. ft.)<sup>4</sup></b> | <b>NRM Sheet(s)</b> |
|----------------|-------------|----------------|-----------------------------------------------------|----------------------------------------|---------------------------------------------------|----------------------------------------|---------------------|
| 5              | Wiscasset   | VP-186-06      | ABA                                                 | ND                                     | N                                                 | 28                                     | 364                 |
| 5              | Wiscasset   | VP-186-07      | ABA                                                 | ND                                     | N                                                 | 28                                     | 364                 |
| 5              | Wiscasset   | VP-186-08      | NVP                                                 | ND                                     | N                                                 | 8                                      | 364                 |
| 5              | Wiscasset   | VP-186-09      | NVP                                                 | ND                                     | N                                                 | 1,807                                  | 364                 |
| 5              | Wiscasset   | VP-186-10      | NVP                                                 | ND                                     | N                                                 | 28                                     | 364                 |
| 5              | Wiscasset   | VP-186-11      | NVP                                                 | ND                                     | N                                                 | 28                                     | 364                 |
| 5              | Wiscasset   | VP-186-12      | NVP                                                 | ND                                     | N                                                 | 28                                     | 364                 |
| 5              | Wiscasset   | VP-186-13      | ABA                                                 | ND                                     | N                                                 | 28                                     | 363, 364            |
| 5              | Wiscasset   | VP-186-14      | NVP                                                 | ND                                     | N                                                 | 1,046                                  | 363, 364            |
| 5              | Wiscasset   | VP-186-15      | NVP                                                 | ND                                     | N                                                 | 3,724                                  | 363, 364            |
| 5              | Wiscasset   | VP-186-16      | NVP                                                 | ND                                     | N                                                 | 28                                     | 363                 |
| 5              | Wiscasset   | VP-186-17      | NVP                                                 | ND                                     | N                                                 | 2,060                                  | 363                 |
| 5              | Wiscasset   | VP-186-18      | NVP                                                 | ND                                     | N                                                 | 256                                    | 363                 |
| 5              | Wiscasset   | VP-186-19      | NVP                                                 | ND                                     | N                                                 | 969                                    | 364                 |
| 5              | Wiscasset   | VP-187-01      | NVP                                                 | ND                                     | N                                                 | 1,234                                  | 362                 |
| 5              | Wiscasset   | VP-187-02      | NVP                                                 | ND                                     | N                                                 | 614                                    | 362                 |
| 5              | Wiscasset   | VP-188-01      | ABA                                                 | ND                                     | N                                                 | 28                                     | 360                 |
| 5              | Wiscasset   | VP-188-02      | NVP                                                 | ND                                     | N                                                 | 28                                     | 359, 360            |
| 5              | Wiscasset   | VP-NP-1        | ABA                                                 | ND                                     | N                                                 | 7                                      | 361                 |
| Fickett        | Pownal      | VP-161-10      | ABA                                                 | ND                                     | N                                                 | 28                                     | 358                 |
| Merrill        | Lewiston    | VP-144-01      | NVP                                                 | ND                                     | N                                                 | 28                                     | 320                 |

## **Exhibit 7-7: NECEC Water Body Crossing Table**

### Footnotes for the NECEC Waterbody Crossing Table (Exhibit 7-7)

**General Notes:** The waterbody crossing table is based on data collected in the field, input from agency representatives during consultation, USGS National Hydrography dataset and ESRI ArcGIS mapping services.

1. Stream names are based on the USGS National Hydrography dataset. Tributary names were assigned based on review of watershed areas and drainage patterns.
2. Waterbody crossings widths were based on field data collected in 2015, 2016 and 2017.
3. Stream types: Perennial (PER) or Intermittent (INT). Open Water (Open Water). Stream types were based on field data collected in 2015, 2016 and 2017.
4. State of Maine Water Quality Classifications

Source: The Bureau of Land Resources and Water Quality- Waterbody Statutory Classification dataset

<http://www.maine.gov/dep/gis/datamaps/>

#### **Class**

**AA** Class AA shall be the highest classification and shall be applied to waters which are outstanding natural resources and which should be preserved because of their ecological, social, scenic, or recreational importance. Class AA waters shall be of such quality that they are suitable for the designated uses of drinking water after disinfection, fishing, recreation in and on the water and navigation and as habitat for fish and other aquatic life. The habitat shall be characterized as free flowing and natural.

**A** Class A waters shall be of such quality that they are suitable for the designated uses of drinking water after disinfection; fishing; recreation in or on the water; industrial power generation, except as prohibited under Title 12, section 403; and navigation; and as habitat for fish and other aquatic life. The habitat shall be characterized as natural.

**B** Class B waters shall be of such quality that they are suitable for the designated uses of drinking water supply after treatment; fishing; recreation in and on the water; industrial processes and cooling water supply; 403; and navigation; and as habitat for fish and other aquatic life. The habitat shall be characterized as unimpaired.

**C** Class C waters shall be of such quality that they are suitable for the designated uses of drinking water supply after treatment; fishing; recreation in and on the water; industrial process and cooling water supply; hydroelectric power generation, except as prohibited under Title 12, section 403; and navigation; and as a habitat for fish and other aquatic life.

**GPA** Class GPA shall be the sole classification of great ponds and natural ponds and lakes less than 10 acres in size. Class GPA waters shall be of such quality that they are suitable for the designated uses of drinking water after disinfection, recreation in and on the water, fishing, industrial process and cooling water supply, hydroelectric power generation and navigation, and as habitat for fish and other aquatic life. The habitat shall be characterized as natural.

N/A or “Not Available” indicates that a classification for this waterbody was not available from the referenced source.

5. Source: Cushing, E. Atlantic Salmon: Critical Habitat dataset. 1994. National Oceanic Atmospheric Administration (NOAA) National Marine Fisheries Service (NMFS). <http://www.nmfs.noaa.gov/gis/data/critical.htm#ne>. Accessed May 16, 2017.
  - a. This dataset represents critical habitat for the Gulf of Maine distinct population segment of Atlantic salmon as designated by *Federal Register* Vol. 74, page 29300, June 19, 2009.
6. Source: Bruchs, C. Atlantic salmon habitat. GISVIEW.MEGIS.Ashab3\_new. 2016. Maine Office of GIS Data Catalog. Edition 2016-03-31. <http://www.maine.gov/megis/catalog/>. Accessed May 16, 2017.
  - a. This dataset is meant to be used in tracking general Atlantic salmon habitat survey work on selected Maine streams by staff of the Maine Dept. of Marine Resources - Division of Sea Run Fisheries and Habitat as well as others involved in Atlantic Salmon research, management and conservation. This dataset is designed to be used in a variety of management and planning activities including habitat protection efforts.
7. The Brook Trout classifications were provided as a GIS shapefile by MDIFW. “Y” or “YES” = “Likely Brook Trout Habitat” which identifies waterbodies which have been surveyed and mapped by the MDIFW. “N/A” or “Not Available” identifies waterbodies that have not been surveyed or mapped by the resource agency.
8. The width of the additional corridor clearing required is the average width of tree clearing required for that associated Segment.
9. Where temporary equipment crossings are proposed, no in-stream work will take place. The bridges will be designed to span the entire width to avoid in-stream work.

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town                 | MDIFW Region | Feature ID    | Stream Name <sup>1</sup>                   | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|----------------------|--------------|---------------|--------------------------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 1       | Beattie Twp          | E            | ISTR-01-02    | Trib. to West Branch Mill Brook            | 2                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 439                                 | 150                                                     | Y                                        | 3                                 |
| 1       | Skinner Twp          | E            | ISTR-08-01    | Trib. to West Branch Moose River           | 4                                   | INT                                | A                                               | N                                                           | N                                          | N/A                            | 382                                 | 150                                                     | Y                                        | 20, 21                            |
| 1       | Appleton Twp         | E            | WB-16-101     | Water body assoc. with trib. to Gold Brook | 30                                  | Open Water                         | N/A                                             | N                                                           | N                                          | N/A                            | 131                                 | 150                                                     | N                                        | 37                                |
| 1       | Bradstreet Twp       | E            | ISTR-24-01    | Trib. to Bitter Brook                      | 2                                   | INT                                | A                                               | N                                                           | N                                          | N/A                            | 435                                 | 150                                                     | Y                                        | 56                                |
| 1       | Johnson Mountain Twp | E            | ISTR-39-01    | Trib. to Cold Stream                       | 4                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 220                                 | 150                                                     | N                                        | 89                                |
| 1       | Johnson Mountain Twp | E            | ISTR-39-03    | Trib. to East Branch Salmon Stream         | 4                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 274                                 | 150                                                     | N                                        | 88                                |
| 1       | Johnson Mountain Twp | E            | ISTR-42-09    | Trib. to Tomhegan Stream                   | 5                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 133                                 | 150                                                     | N                                        | 94                                |
| 1       | West Forks Plt       | D            | ISTR-45-02-02 | Trib. to Tomhegan Stream                   | 3                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 317                                 | 150                                                     | N                                        | 100                               |
| 1       | West Forks Plt       | D            | ISTR-46-05    | Trib. to Cold Stream                       | 4                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 43                                  | 150                                                     | N                                        | 103                               |
| 1       | West Forks Plt       | D            | ISTR-48-02    | Trib. To Kennebec River                    | 3                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 89                                  | 150                                                     | N                                        | 108, 109                          |
| 1       | Moxie Gore           | D            | ISTR-49-01    | Trib. to Moxie Stream                      | 5                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 375                                 | 150                                                     | N                                        | 111                               |
| 1       | Moxie Gore           | D            | ISTR-51-07    | Trib. to Moxie Stream                      | 2                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 269                                 | 150                                                     | N                                        | 114                               |
| 1       | Moxie Gore           | D            | ISTR-51-15    | Trib. to Moxie Stream                      | 1.5                                 | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 353                                 | 150                                                     | N                                        | 115                               |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town                     | MDIFW Region | Feature ID       | Stream Name <sup>1</sup>        | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|--------------------------|--------------|------------------|---------------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 1       | Moxie Gore               | D            | ISTR-51-16       | Trib. to Moxie Stream           | 3                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 320                                 | 150                                                     | N                                        | 115                               |
| 1       | The Forks Plt            | D            | ISTR-52-07       | Trib. to Moxie Stream           | 3                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 394                                 | 150                                                     | N                                        | 116                               |
| 1       | Moxie Gore/The Forks Plt | D            | ISTR-52-08       | Trib. to Moxie Stream           | 1                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 227                                 | 150                                                     | N                                        | 116                               |
| 1       | The Forks Plt            | D            | ISTR-52-12       | Trib. to Moxie Stream           | 2                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 258                                 | 150                                                     | N                                        | 116, 117                          |
| 1       | Appleton Twp             | E            | ISTR-RR-11-01    | Trib. to Bog Brook              | 5                                   | INT                                | A                                               | N                                                           | N                                          | N/A                            | 517                                 | 150                                                     | N                                        | 27                                |
| 1       | Appleton Twp/Skinner Twp | E            | ISTR-RR-11-3-RR1 | Trib. to Bog Brook              | 3                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 328                                 | 150                                                     | N                                        | 27                                |
| 1       | Appleton Twp/Skinner Twp | E            | ISTR-RR1-1       | Trib. to Bog Brook              | 5                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 348                                 | 150                                                     | N                                        | 27                                |
| 1       | Appleton Twp             | E            | ISTR-RR1-2       | Trib. to Bog Brook              | 2                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 230                                 | 150                                                     | N                                        | 27                                |
| 1       | Beattie Twp              | E            | PSTR-00-10       | Trib. to West Branch Mill Brook | 3                                   | PER                                | A                                               | N                                                           | N                                          | N/A                            | 21                                  | 150                                                     | N                                        | 3                                 |
| 1       | Skinner Twp              | E            | PSTR-09-11       | South Branch Moose River        | 46                                  | PER                                | A                                               | N                                                           | N                                          | N/A                            | 524                                 | 150                                                     | N                                        | 21                                |
| 1       | Appleton Twp             | E            | PSTR-11-07-RR1   | Trib. to Bog Brook              | 6                                   | PER                                | A                                               | N                                                           | N                                          | N/A                            | 378                                 | 150                                                     | N                                        | 27                                |
| 1       | Appleton Twp             | E            | PSTR-11-08-RR1   | Trib. to Bog Brook              | 4                                   | PER                                | A                                               | N                                                           | N                                          | N/A                            | 353                                 | 150                                                     | N                                        | 27                                |
| 1       | Appleton Twp             | E            | PSTR-15-06       | Gold Brook                      | 25                                  | PER                                | A                                               | Y                                                           | N                                          | Y                              | 187                                 | 150                                                     | N                                        | 36                                |
| 1       | Appleton Twp             | E            | PSTR-17R-03      | Baker Stream                    | 12                                  | PER                                | A                                               | Y                                                           | N                                          | Y                              | 159                                 | 150                                                     | N                                        | 39                                |
| 1       | T5 R7 BKP WKR            | E            | PSTR-23-02       | Whipple Brook                   | 60                                  | PER                                | A                                               | Y                                                           | N                                          | Y                              | 128                                 | 150                                                     | N                                        | 52                                |
| 1       | Bradstreet Twp           | E            | PSTR-24-03       | Bitter Brook                    | 45                                  | PER                                | A                                               | N                                                           | N                                          | N/A                            | 462                                 | 150                                                     | N                                        | 55                                |



**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town                      | MDIFW Region | Feature ID | Stream Name <sup>1</sup> | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|---------------------------|--------------|------------|--------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 1       | Johnson Mountain Twp      | E            | PSTR-39-02 | Trib. to Cold Stream     | 2                                   | PER                                | N/A                                             | Y                                                           | N                                          | Y                              | 128                                 | 150                                                     | N                                        | 88, 89                            |
| 1       | Appleton Twp              | E            | PSTR-RR1-3 | Trib. to Bog Brook       | 4                                   | PER                                | A                                               | N                                                           | N                                          | N/A                            | 389                                 | 150                                                     | Y                                        | 27                                |
| 1       | West Forks Plt/Moxie Gore | D            | PSTR-48-03 | Kennebec River           | 300                                 | PER                                | AA                                              | Y                                                           | N                                          | Y                              | 399                                 | 150                                                     | N                                        | 109                               |
| 1       | Moxie Gore                | D            | STRM-50-01 | Moxie Stream             | 80                                  | PER                                | AA                                              | Y                                                           | N                                          | Y                              | 401                                 | 150                                                     | N                                        | 113                               |
| 1       | Moxie Gore                | D            | ISTR-50-02 | Trib. to Moxie Stream    | 1.5                                 | INT                                | N/A                                             | Y                                                           | N                                          | Y                              | 37                                  | 150                                                     | N                                        | 113                               |
| 1       | Moxie Gore                | D            | ISTR-51-01 | Trib. to Moxie Stream    | 80                                  | INT                                | N/A                                             | Y                                                           | N                                          | Y                              | 331                                 | 150                                                     | N                                        | 113                               |
| 1       | Moxie Gore                | D            | ISTR-51-02 | Trib. to Moxie Stream    | 5                                   | INT                                | N/A                                             | Y                                                           | N                                          | Y                              | 279                                 | 150                                                     | N                                        | 113                               |
| 1       | Moxie Gore                | D            | ISTR-51-03 | Trib. to Moxie Stream    | 4                                   | INT                                | N/A                                             | Y                                                           | N                                          | Y                              | 292                                 | 150                                                     | N                                        | 113                               |
| 1       | Moxie Gore                | D            | ISTR-51-04 | Trib. to Moxie Stream    | 2                                   | INT                                | N/A                                             | Y                                                           | N                                          | Y                              | 325                                 | 150                                                     | N                                        | 113                               |
| 1       | Moxie Gore                | D            | ISTR-51-05 | Trib. to Moxie Stream    | 8                                   | INT                                | N/A                                             | Y                                                           | N                                          | Y                              | 361                                 | 150                                                     | N                                        | 113                               |
| 1       | Moxie Gore                | D            | ISTR-51-06 | Trib. to Moxie Stream    | 3                                   | INT                                | N/A                                             | Y                                                           | N                                          | Y                              | 383                                 | 150                                                     | N                                        | 113, 114                          |
| 1       | Moxie Gore                | D            | ISTR-51-08 | Trib. to Moxie Stream    | 1.5                                 | INT                                | N/A                                             | Y                                                           | N                                          | Y                              | 244                                 | 150                                                     | N                                        | 114, 115                          |
| 1       | Moxie Gore                | D            | ISTR-51-09 | Trib. to Moxie Stream    | 3                                   | INT                                | N/A                                             | Y                                                           | N                                          | Y                              | 267                                 | 150                                                     | N                                        | 114, 115                          |
| 1       | Moxie Gore                | D            | ISTR-51-10 | Trib. to Moxie Stream    | 6                                   | INT                                | N/A                                             | Y                                                           | N                                          | Y                              | 312                                 | 150                                                     | N                                        | 114, 115                          |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town       | MDIFW Region | Feature ID | Stream Name <sup>1</sup> | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|------------|--------------|------------|--------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 1       | Moxie Gore | D            | ISTR-51-11 | Trib. to Moxie Stream    | 4                                   | INT                                | N/A                                             | Y                                                           | N                                          | Y                              | 307                                 | 150                                                     | N                                        | 114, 115                          |
| 1       | Moxie Gore | D            | ISTR-51-12 | Trib. to Moxie Stream    | 3                                   | INT                                | N/A                                             | Y                                                           | N                                          | Y                              | 522                                 | 150                                                     | N                                        | 114, 115                          |
| 1       | Moxie Gore | D            | ISTR-51-13 | Trib. to Moxie Stream    | 6                                   | INT                                | N/A                                             | Y                                                           | N                                          | Y                              | 333                                 | 150                                                     | N                                        | 115                               |
| 1       | Moxie Gore | D            | ISTR-51-14 | Trib. to Moxie Stream    | 5                                   | INT                                | N/A                                             | Y                                                           | N                                          | Y                              | 3                                   | 150                                                     | N                                        | 115                               |
| 1       | Moxie Gore | D            | ISTR-51-17 | Trib. to Moxie Stream    | 2                                   | INT                                | N/A                                             | Y                                                           | N                                          | Y                              | 235                                 | 150                                                     | N                                        | 115                               |
| 1       | Moxie Gore | D            | ISTR-51-18 | Trib. to Moxie Stream    | 2                                   | INT                                | N/A                                             | Y                                                           | N                                          | Y                              | 226                                 | 150                                                     | N                                        | 115                               |
| 1       | Moxie Gore | D            | ISTR-51-19 | Trib. to Moxie Stream    | 2                                   | INT                                | N/A                                             | Y                                                           | N                                          | Y                              | 251                                 | 150                                                     | N                                        | 115                               |
| 1       | Moxie Gore | D            | ISTR-51-20 | Trib. to Moxie Stream    | 1.5                                 | INT                                | N/A                                             | Y                                                           | N                                          | Y                              | 215                                 | 150                                                     | N                                        | 115                               |
| 1       | Moxie Gore | D            | ISTR-51-21 | Trib. to Moxie Stream    | 3                                   | INT                                | N/A                                             | Y                                                           | N                                          | Y                              | 416                                 | 150                                                     | N                                        | 115                               |
| 1       | Moxie Gore | D            | ISTR-52-01 | Trib. to Moxie Stream    | 5                                   | INT                                | N/A                                             | Y                                                           | N                                          | Y                              | 337                                 | 150                                                     | N                                        | 115, 116                          |
| 1       | Moxie Gore | D            | ISTR-52-02 | Trib. to Moxie Stream    | 3                                   | INT                                | N/A                                             | Y                                                           | N                                          | Y                              | 317                                 | 150                                                     | N                                        | 115, 116                          |
| 1       | Moxie Gore | D            | ISTR-52-03 | Trib. to Moxie Stream    | 3                                   | INT                                | N/A                                             | Y                                                           | N                                          | Y                              | 295                                 | 150                                                     | N                                        | 115, 116                          |
| 1       | Moxie Gore | D            | ISTR-52-04 | Trib. to Moxie Stream    | 5                                   | INT                                | N/A                                             | Y                                                           | N                                          | Y                              | 304                                 | 150                                                     | N                                        | 116                               |
| 1       | Moxie Gore | D            | ISTR-52-05 | Trib. to Moxie Stream    | 5                                   | INT                                | N/A                                             | Y                                                           | N                                          | Y                              | 299                                 | 150                                                     | N                                        | 116                               |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town          | MDIFW Region | Feature ID | Stream Name <sup>1</sup>        | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|---------------|--------------|------------|---------------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 1       | Moxie Gore    | D            | ISTR-52-06 | Trib. to Moxie Stream           | 2                                   | INT                                | N/A                                             | Y                                                           | N                                          | Y                              | 379                                 | 150                                                     | N                                        | 116                               |
| 1       | The Forks Plt | D            | ISTR-52-09 | Trib. to Moxie Stream           | 2                                   | INT                                | N/A                                             | Y                                                           | N                                          | Y                              | 192                                 | 150                                                     | N                                        | 116                               |
| 1       | The Forks Plt | D            | ISTR-52-10 | Trib. to Moxie Stream           | 3                                   | INT                                | N/A                                             | Y                                                           | N                                          | Y                              | 62                                  | 150                                                     | N                                        | 116, 117                          |
| 1       | The Forks Plt | D            | ISTR-52-11 | Trib. to Moxie Stream           | 4                                   | INT                                | N/A                                             | Y                                                           | N                                          | Y                              | 195                                 | 150                                                     | N                                        | 116, 117                          |
| 1       | The Forks Plt | D            | ISTR-52-13 | Trib. to Moxie Stream           | 8                                   | INT                                | N/A                                             | Y                                                           | N                                          | Y                              | 518                                 | 150                                                     | N                                        | 117                               |
| 1       | The Forks Plt | D            | ISTR-52-14 | Trib. to Moxie Stream           | 6                                   | INT                                | N/A                                             | Y                                                           | N                                          | Y                              | 419                                 | 150                                                     | N                                        | 117                               |
| 1       | The Forks Plt | D            | ISTR-52-15 | Trib. to Moxie Stream           | 5                                   | INT                                | N/A                                             | Y                                                           | N                                          | Y                              | 486                                 | 150                                                     | N                                        | 117                               |
| 1       | The Forks Plt | D            | ISTR-52-16 | Trib. to Moxie Stream           | 2                                   | INT                                | N/A                                             | Y                                                           | N                                          | Y                              | 288                                 | 150                                                     | N                                        | 117                               |
| 1       | The Forks Plt | D            | ISTR-52-17 | Trib. to Moxie Stream           | 2                                   | INT                                | N/A                                             | Y                                                           | N                                          | Y                              | 399                                 | 150                                                     | N                                        | 117                               |
| 1       | Beattie Twp   | E            | ISTR-00-07 | Trib. to West Branch Mill Brook | 1                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 408                                 | 150                                                     | N                                        | 1                                 |
| 1       | Beattie Twp   | E            | ISTR-01-11 | Trib. to Mill Brook             | 1                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 644                                 | 150                                                     | N                                        | 5                                 |
| 1       | Skinner Twp   | E            | ISTR-05-05 | Trib. to Smart Brook            | 1                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 103                                 | 150                                                     | N                                        | 13                                |
| 1       | Skinner Twp   | E            | ISTR-10-04 | Trib. to Bog Brook              | 1                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 108                                 | 150                                                     | N                                        | 25                                |
| 1       | Appleton Twp  | E            | ISTR-12-02 | Trib. to Bog Brook              | 1                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 510                                 | 150                                                     | N                                        | 29                                |
| 1       | Appleton Twp  | E            | ISTR-12-12 | Trib. to Bog Brook              | 1                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 348                                 | 150                                                     | N                                        | 30                                |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town                 | MDIFW Region | Feature ID | Stream Name <sup>1</sup>           | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|----------------------|--------------|------------|------------------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 1       | Appleton Twp         | E            | ISTR-14-11 | Trib. to Gold Brook                | 1                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 293                                 | 150                                                     | N                                        | 34                                |
| 1       | Johnson Mountain Twp | E            | ISTR-41-02 | Trib. to Tomhegan Stream           | 1                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 484                                 | 150                                                     | Y                                        | 94                                |
| 1       | Johnson Mountain Twp | E            | ISTR-41-04 | Trib. to Cold Stream               | 2                                   | PER                                | N/A                                             | Y                                                           | N                                          | Y                              | 342                                 | 150                                                     | N                                        | 92, 93                            |
| 1       | Beattie Twp          | E            | ISTR-01-12 | Trib. to Mill Brook                | 1.5                                 | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 668                                 | 150                                                     | N                                        | 5                                 |
| 1       | Beattie Twp          | E            | ISTR-02-09 | Trib. to Number One Brook          | 1.5                                 | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 464                                 | 150                                                     | N                                        | 7                                 |
| 1       | Skinner Twp          | E            | ISTR-05-09 | Trib. to Smart Brook               | 1.5                                 | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 99                                  | 150                                                     | N                                        | 12                                |
| 1       | Skinner Twp          | E            | ISTR-06-04 | Trib. to Smart Brook               | 1.5                                 | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 52                                  | 150                                                     | N                                        | 16                                |
| 1       | Appleton Twp         | E            | ISTR-12-09 | Trib. to Bog Brook                 | 1.5                                 | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 368                                 | 150                                                     | N                                        | 28                                |
| 1       | Appleton Twp         | E            | ISTR-12-11 | Trib. to Bog Brook                 | 1.5                                 | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 321                                 | 150                                                     | N                                        | 30                                |
| 1       | Appleton Twp         | E            | ISTR-14-37 | Trib. to Barrett Brook             | 1.5                                 | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 416                                 | 150                                                     | N                                        | 33                                |
| 1       | Johnson Mountain Twp | E            | ISTR-33-02 | Trib. to Mountain Brook            | 1.5                                 | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 214                                 | 150                                                     | N                                        | 76                                |
| 1       | Johnson Mountain Twp | E            | ISTR-36-05 | Trib. to Salmon Stream             | 1.5                                 | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 393                                 | 150                                                     | N                                        | 83                                |
| 1       | Johnson Mountain Twp | E            | ISTR-38-11 | Trib. to East Branch Salmon Stream | 1.5                                 | INT                                | A                                               | Y                                                           | N                                          | N/A                            | 144                                 | 150                                                     | N                                        | 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                            | 206                                 | 150                                                     | N                                        | 85, 86                            |
| 1       | Johnson Mountain Twp | E            | ISTR-38-14 | Trib. to East Branch Salmon Stream | 1.5                                 | INT                                | A                                               | Y                                                           | N                                          | N/A                            | 82                                  | 150                                                     | N                                        | 85, 86                            |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town        | MDIFW Region | Feature ID | Stream Name <sup>1</sup>          | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|-------------|--------------|------------|-----------------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 1       | Beattie Twp | E            | ISTR-02-13 | Trib. to Number One Brook         | 2                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 115                                 | 150                                                     | N                                        | 7                                 |
| 1       | Skinner Twp | E            | ISTR-05-03 | Trib. to Smart Brook              | 2                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 40                                  | 150                                                     | Y                                        | 13                                |
| 1       | Skinner Twp | E            | ISTR-05-04 | Trib. to Smart Brook              | 2                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 58                                  | 150                                                     | N                                        | 13                                |
| 1       | Skinner Twp | E            | ISTR-05-10 | Trib. to Smart Brook              | 2                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 336                                 | 150                                                     | N                                        | 12                                |
| 1       | Skinner Twp | E            | ISTR-06-01 | Trib. to Smart Brook              | 2                                   | INT                                | A                                               | N                                                           | N                                          | N/A                            | 331                                 | 150                                                     | N                                        | 16                                |
| 1       | Skinner Twp | E            | ISTR-06-02 | Trib. to Smart Brook              | 2                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 361                                 | 150                                                     | N                                        | 16                                |
| 1       | Skinner Twp | E            | ISTR-06-03 | Trib. to Smart Brook              | 2                                   | INT                                | A                                               | N                                                           | N                                          | N/A                            | 249                                 | 150                                                     | N                                        | 16                                |
| 1       | Skinner Twp | E            | ISTR-06-07 | Trib. to Smart Brook              | 2                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 277                                 | 150                                                     | Y                                        | 15, 16                            |
| 1       | Skinner Twp | E            | ISTR-07-03 | Trib. to West Branch Moose River  | 2                                   | INT                                | A                                               | N                                                           | N                                          | N/A                            | 133                                 | 150                                                     | N                                        | 18                                |
| 1       | Skinner Twp | E            | ISTR-07-04 | Trib. to West Branch Moose River  | 2                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 365                                 | 150                                                     | N                                        | 18                                |
| 1       | Skinner Twp | E            | ISTR-07-08 | Trib. to Hay Bog Brook            | 2                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 169                                 | 150                                                     | N                                        | 17                                |
| 1       | Skinner Twp | E            | ISTR-09-03 | Trib. to South Branch Moose River | 2                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 549                                 | 150                                                     | N                                        | 22                                |
| 1       | Skinner Twp | E            | ISTR-09-04 | Trib. to South Branch Moose River | 2                                   | INT                                | A                                               | N                                                           | N                                          | N/A                            | 267                                 | 150                                                     | N                                        | 22                                |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town         | MDIFW Region | Feature ID | Stream Name <sup>1</sup>          | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|--------------|--------------|------------|-----------------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 1       | Skinner Twp  | E            | ISTR-09-07 | Trib. to South Branch Moose River | 2                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 271                                 | 150                                                     | N                                        | 22, 23                            |
| 1       | Skinner Twp  | E            | ISTR-09-08 | Trib. to South Branch Moose River | 2                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 235                                 | 150                                                     | N                                        | 23                                |
| 1       | Skinner Twp  | E            | ISTR-09-09 | Trib. to South Branch Moose River | 2                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 183                                 | 150                                                     | N                                        | 22                                |
| 1       | Skinner Twp  | E            | ISTR-10-09 | Trib. to Bog Brook                | 2                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 60                                  | 150                                                     | N                                        | 25                                |
| 1       | Appleton Twp | E            | ISTR-12-01 | Trib. to Bog Brook                | 2                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 451                                 | 150                                                     | N                                        | 29                                |
| 1       | Appleton Twp | E            | ISTR-12-05 | Trib. to Bog Brook                | 2                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 380                                 | 150                                                     | N                                        | 29, 30                            |
| 1       | Appleton Twp | E            | ISTR-13-01 | Trib. to Barrett Brook            | 2                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 166                                 | 150                                                     | N                                        | 32                                |
| 1       | Appleton Twp | E            | ISTR-13-02 | Trib. to Barrett Brook            | 2                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 149                                 | 150                                                     | N                                        | 32                                |
| 1       | Appleton Twp | E            | ISTR-13-08 | Trib. to Barrett Brook            | 2                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 485                                 | 150                                                     | N                                        | 31                                |
| 1       | Appleton Twp | E            | ISTR-13-10 | Trib. to Barrett Brook            | 2                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 90                                  | 150                                                     | N                                        | 31                                |
| 1       | Appleton Twp | E            | ISTR-13-15 | Trib. to Bog Brook                | 2                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 242                                 | 150                                                     | Y                                        | 30, 31                            |
| 1       | Appleton Twp | E            | ISTR-13-16 | Trib. to Bog Brook                | 2                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 257                                 | 150                                                     | N                                        | 30, 31                            |
| 1       | Appleton Twp | E            | ISTR-14-03 | Trib. to Gold Brook               | 2                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 205                                 | 150                                                     | N                                        | 34                                |
| 1       | Appleton Twp | E            | ISTR-14-04 | Trib. to Gold Brook               | 2                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 170                                 | 150                                                     | N                                        | 34                                |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town         | MDIFW Region | Feature ID | Stream Name <sup>1</sup> | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|--------------|--------------|------------|--------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 1       | Appleton Twp | E            | ISTR-14-05 | Trib. to Gold Brook      | 2                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 284                                 | 150                                                     | N                                        | 34                                |
| 1       | Appleton Twp | E            | ISTR-14-08 | Trib. to Gold Brook      | 2                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 194                                 | 150                                                     | N                                        | 34                                |
| 1       | Appleton Twp | E            | ISTR-14-09 | Trib. to Gold Brook      | 2                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 173                                 | 150                                                     | N                                        | 34                                |
| 1       | Appleton Twp | E            | ISTR-14-10 | Trib. to Gold Brook      | 2                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 120                                 | 150                                                     | N                                        | 34                                |
| 1       | Appleton Twp | E            | ISTR-14-23 | Trib. to Barrett Brook   | 2                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 443                                 | 150                                                     | N                                        | 33                                |
| 1       | Appleton Twp | E            | ISTR-14-27 | Trib. to Barrett Brook   | 2                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 339                                 | 150                                                     | N                                        | 33                                |
| 1       | Appleton Twp | E            | ISTR-14-45 | Trib. to Barrett Brook   | 2                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 512                                 | 150                                                     | N                                        | 33                                |
| 1       | Appleton Twp | E            | ISTR-14-46 | Trib. to Barrett Brook   | 2                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 639                                 | 150                                                     | N                                        | 33                                |
| 1       | Appleton Twp | E            | ISTR-14-51 | Trib. to Barrett Brook   | 2                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 114                                 | 150                                                     | N                                        | 33                                |
| 1       | Appleton Twp | E            | ISTR-14-62 | Trib. to Barrett Brook   | 2                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 206                                 | 150                                                     | Y                                        | 32                                |
| 1       | Appleton Twp | E            | ISTR-14-66 | Trib. to Barrett Brook   | 2                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 512                                 | 150                                                     | N                                        | 32                                |
| 1       | Appleton Twp | E            | ISTR-15-02 | Trib. to Gold Brook      | 2                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 178                                 | 150                                                     | Y                                        | 35                                |
| 1       | Appleton Twp | E            | ISTR-15-05 | Trib. to Gold Brook      | 2                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 12                                  | 150                                                     | N                                        | 35                                |
| 1       | Appleton Twp | E            | ISTR-15-09 | Trib. to Gold Brook      | 2                                   | INT                                | A                                               | Y                                                           | N                                          | Y                              | 223                                 | 150                                                     | N                                        | 36                                |
| 1       | Appleton Twp | E            | ISTR-15-12 | Trib. to Gold Brook      | 2                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 297                                 | 150                                                     | N                                        | 36                                |
| 1       | Appleton Twp | E            | ISTR-15-18 | Trib. to Gold Brook      | 2                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 382                                 | 150                                                     | N                                        | 34                                |
| 1       | Appleton Twp | E            | ISTR-16-16 | Trib. to Gold Brook      | 2                                   | INT                                | A                                               | Y                                                           | N                                          | Y                              | 52                                  | 150                                                     | N                                        | 37                                |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town                 | MDIFW Region | Feature ID    | Stream Name <sup>1</sup>           | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|----------------------|--------------|---------------|------------------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 1       | Appleton Twp         | E            | ISTR-17-04    | Trib. To Rock Pond                 | 2                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 424                                 | 150                                                     | N                                        | 40                                |
| 1       | Appleton Twp         | E            | ISTR-17R-05   | Trib. To Rock Pond                 | 2                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 554                                 | 150                                                     | N                                        | 40                                |
| 1       | Parlin Pond Twp      | E            | ISTR-30-02    | Trib. to Piel Brook                | 2                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 227                                 | 150                                                     | N                                        | 69                                |
| 1       | Johnson Mountain Twp | E            | ISTR-35-02    | Trib. to Salmon Stream             | 2                                   | INT                                | A                                               | Y                                                           | N                                          | N/A                            | 423                                 | 150                                                     | N                                        | 80                                |
| 1       | Johnson Mountain Twp | E            | ISTR-36-01    | Trib. to Salmon Stream             | 2                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 379                                 | 150                                                     | N                                        | 83                                |
| 1       | Johnson Mountain Twp | E            | ISTR-36-04    | Trib. to Salmon Stream             | 2                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 440                                 | 150                                                     | N                                        | 83                                |
| 1       | Johnson Mountain Twp | E            | ISTR-38-01    | Trib. to East Branch Salmon Stream | 2                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 213                                 | 150                                                     | N                                        | 87                                |
| 1       | Johnson Mountain Twp | E            | ISTR-38-08    | Trib. to East Branch Salmon Stream | 2                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 131                                 | 150                                                     | N                                        | 86                                |
| 1       | Johnson Mountain Twp | E            | ISTR-38-12    | Trib. to East Branch Salmon Stream | 2                                   | INT                                | A                                               | Y                                                           | N                                          | N/A                            | 99                                  | 150                                                     | N                                        | 85, 86                            |
| 1       | Johnson Mountain Twp | E            | ISTR-41-04    | Trib. to Cold Stream               | 2                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 140                                 | 150                                                     | N                                        | 92, 93                            |
| 1       | Johnson Mountain Twp | E            | ISTR-42-10    | Trib. to Tomhegan Stream           | 2                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 124                                 | 150                                                     | N                                        | 94                                |
| 1       | Appleton Twp         | E            | ISTR-RR-11-03 | Trib. to Bog Brook                 | 2                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 343                                 | 150                                                     | N                                        | 27                                |
| 1       | Appleton Twp         | E            | ISTR-RR-12-01 | Trib. to Bog Brook                 | 2                                   | INT                                | A                                               | N                                                           | N                                          | N/A                            | 174                                 | 150                                                     | N                                        | 27, 28                            |
| 1       | Bradstreet Twp       | E            | ISTR-SR-29-03 | Trib. To Fourmile Brook            | 2                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 174                                 | 150                                                     | N                                        | 66                                |



**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town                 | MDIFW Region | Feature ID    | Stream Name <sup>1</sup>           | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|----------------------|--------------|---------------|------------------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 1       | Appleton Twp         | E            | PSTR-14-28    | Trib. to Barrett Brook             | 2                                   | PER                                | N/A                                             | N                                                           | N                                          | N/A                            | 142                                 | 150                                                     | Y                                        | 33                                |
| 1       | Appleton Twp         | E            | PSTR-14-34    | Trib. to Barrett Brook             | 2                                   | PER                                | N/A                                             | N                                                           | N                                          | N/A                            | 257                                 | 150                                                     | N                                        | 33                                |
| 1       | Johnson Mountain Twp | E            | PSTR-40-08    | Trib. to Cold Stream               | 2                                   | PER                                | N/A                                             | Y                                                           | N                                          | Y                              | 353                                 | 150                                                     | N                                        | 91                                |
| 1       | Johnson Mountain Twp | E            | PSTR-40-09    | Trib. to Cold Stream               | 2                                   | PER                                | N/A                                             | Y                                                           | N                                          | Y                              | 300                                 | 150                                                     | N                                        | 91                                |
| 1       | Beattie Twp          | E            | ISTR-01-10    | Trib. to Mill Brook                | 2.5                                 | INT                                | A                                               | N                                                           | N                                          | N/A                            | 663                                 | 150                                                     | N                                        | 5                                 |
| 1       | Skinner Twp          | E            | ISTR-05-08    | Trib. to Smart Brook               | 2.5                                 | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 163                                 | 150                                                     | N                                        | 12                                |
| 1       | Johnson Mountain Twp | E            | ISTR-36-02    | Trib. to Salmon Stream             | 2.5                                 | INT                                | A                                               | Y                                                           | N                                          | N/A                            | 254                                 | 150                                                     | Y                                        | 82, 83                            |
| 1       | Johnson Mountain Twp | E            | ISTR-37-01    | Trib. to East Branch Salmon Stream | 2.5                                 | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 223                                 | 150                                                     | N                                        | 84                                |
| 1       | Beattie Twp          | E            | ISTR-MS-02-10 | Trib. to Number One Brook          | 2.5                                 | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 272                                 | 150                                                     | N                                        | 7                                 |
| 1       | Beattie Twp          | E            | PSTR-01-09    | Trib. To Mill Brook                | 2.5                                 | PER                                | A                                               | N                                                           | N                                          | N/A                            | 726                                 | 150                                                     | N                                        | 5                                 |
| 1       | Beattie Twp          | E            | ISTR-00-01    | Trib. to West Branch Mill Brook    | 3                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 402                                 | 150                                                     | N                                        | 1                                 |
| 1       | Beattie Twp          | E            | ISTR-00-08    | Trib. to West Branch Mill Brook    | 3                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 176                                 | 150                                                     | N                                        | 1                                 |
| 1       | Beattie Twp          | E            | ISTR-02-04    | Trib. to Number One Brook          | 3                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 310                                 | 150                                                     | N                                        | 7                                 |
| 1       | Beattie Twp          | E            | ISTR-02-08    | Trib. to Number One Brook          | 3                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 429                                 | 150                                                     | N                                        | 7                                 |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town                         | MDIFW Region | Feature ID | Stream Name <sup>1</sup>          | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|------------------------------|--------------|------------|-----------------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 1       | Skinner Twp                  | E            | ISTR-05-06 | Trib. to Smart Brook              | 3                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 328                                 | 150                                                     | N                                        | 12, 13                            |
| 1       | Skinner Twp                  | E            | ISTR-05-07 | Trib. to Smart Brook              | 3                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 454                                 | 150                                                     | N                                        | 12, 13                            |
| 1       | Skinner Twp                  | E            | ISTR-06-05 | Trib. to Smart Brook              | 3                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 152                                 | 150                                                     | Y                                        | 16                                |
| 1       | Skinner Twp                  | E            | ISTR-06-08 | Trib. to Smart Brook              | 3                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 65                                  | 150                                                     | N                                        | 15                                |
| 1       | Skinner Twp                  | E            | ISTR-07-01 | Trib. to West Branch Moose River  | 3                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 73                                  | 150                                                     | N                                        | 18, 19                            |
| 1       | Skinner Twp                  | E            | ISTR-07-07 | Trib. to Hay Bog Brook            | 3                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 417                                 | 150                                                     | N                                        | 17                                |
| 1       | Skinner Twp                  | E            | ISTR-09-10 | Trib. to South Branch Moose River | 3                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 376                                 | 150                                                     | N                                        | 21, 22                            |
| 1       | Skinner Twp                  | E            | ISTR-10-10 | Trib. to Bog Brook                | 3                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 190                                 | 150                                                     | N                                        | 25                                |
| 1       | Appleton Twp                 | E            | ISTR-12-04 | Trib. to Bog Brook                | 3                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 408                                 | 150                                                     | N                                        | 29, 30                            |
| 1       | Appleton Twp                 | E            | ISTR-14-06 | Trib. to Gold Brook               | 3                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 287                                 | 150                                                     | N                                        | 34                                |
| 1       | Appleton Twp                 | E            | ISTR-14-67 | Trib. to Barrett Brook            | 3                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 361                                 | 150                                                     | Y                                        | 32                                |
| 1       | Appleton Twp                 | E            | ISTR-15-10 | Trib. to Gold Brook               | 3                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 257                                 | 150                                                     | N                                        | 36                                |
| 1       | Appleton Twp                 | E            | PSTR-16-01 | Trib. to Baker Stream             | 25                                  | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 285                                 | 150                                                     | N                                        | 37                                |
| 1       | Appleton Twp                 | E            | ISTR-17-02 | Trib. to Baker Stream             | 3                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 20                                  | 150                                                     | Y                                        | 39                                |
| 1       | T5 R7 BKP WKR                | E            | ISTR-18-08 | Trib. to Fish Pond                | 3                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 429                                 | 150                                                     | N                                        | 41, 42                            |
| 1       | T5 R7 BKP WKR/Hobbs town Twp | E            | ISTR-18-11 | Trib. to Fish Pond                | 3                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 405                                 | 150                                                     | N                                        | 42                                |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town                 | MDIFW Region | Feature ID    | Stream Name <sup>1</sup>           | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|----------------------|--------------|---------------|------------------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 1       | Bradstreet Twp       | E            | ISTR-26-03    | Trib. to Horse Brook               | 3                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 60                                  | 150                                                     | N                                        | 60                                |
| 1       | Bradstreet Twp       | E            | ISTR-26-04    | Trib. to Horse Brook               | 3                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 45                                  | 150                                                     | N                                        | 60                                |
| 1       | Johnson Mountain Twp | E            | ISTR-38-03    | Trib. to East Branch Salmon Stream | 3                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 528                                 | 150                                                     | N                                        | 87                                |
| 1       | Johnson Mountain Twp | E            | ISTR-38-07    | East Branch Salmon Stream          | 3                                   | INT                                | A                                               | Y                                                           | N                                          | N/A                            | 115                                 | 150                                                     | N                                        | 86, 87                            |
| 1       | Johnson Mountain Twp | E            | ISTR-42-08    | Trib. to Tomhegan Stream           | 3                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 221                                 | 150                                                     | N                                        | 94                                |
| 1       | West Forks Plt       | D            | ISTR-44-08    | Tomhegan Stream                    | 3                                   | INT                                | A                                               | Y                                                           | N                                          | N/A                            | 231                                 | 150                                                     | N                                        | 100                               |
| 1       | West Forks Plt       | D            | ISTR-45-04    | Trib. to Tomhegan Stream           | 3                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 311                                 | 150                                                     | N                                        | 100, 101                          |
| 1       | Beattie Twp          | E            | ISTR-MS-02-08 | Trib. to Number One Brook          | 3                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 359                                 | 150                                                     | N                                        | 7                                 |
| 1       | Beattie Twp          | E            | ISTR-MS-02-09 | Trib. to Number One Brook          | 3                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 359                                 | 150                                                     | N                                        | 7                                 |
| 1       | Skinner Twp          | E            | ISTR-RR-11-04 | Trib. to Bog Brook                 | 3                                   | INT                                | A                                               | N                                                           | N                                          | N/A                            | 8                                   | 150                                                     | N                                        | 26                                |
| 1       | Beattie Twp          | E            | PSTR-00-06    | Trib. to West Branch Mill Brook    | 3                                   | PER                                | A                                               | N                                                           | N                                          | N/A                            | 398                                 | 150                                                     | N                                        | 1                                 |
| 1       | Appleton Twp         | E            | PSTR-16-10    | Trib. to Gold Brook                | 3                                   | PER                                | A                                               | Y                                                           | N                                          | Y                              | 313                                 | 150                                                     | N                                        | 37                                |
| 1       | Appleton Twp         | E            | PSTR-16-101   | Trib. to Gold Brook                | 3                                   | PER                                | A                                               | Y                                                           | N                                          | Y                              | 226                                 | 150                                                     | N                                        | 37                                |
| 1       | T5 R7 BKP WKR        | E            | PSTR-18-15    | Trib. to Fish Pond                 | 3                                   | PER                                | A                                               | Y                                                           | N                                          | Y                              | 198                                 | 150                                                     | N                                        | 41                                |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town                 | MDIFW Region | Feature ID    | Stream Name <sup>1</sup>          | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|----------------------|--------------|---------------|-----------------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 1       | Hobbsstown Twp       | E            | PSTR-20-01    | Trib. to Little Spencer Stream    | 3                                   | PER                                | A                                               | Y                                                           | N                                          | Y                              | 443                                 | 150                                                     | N                                        | 46                                |
| 1       | T5 R7 BKP WKR        | E            | PSTR-23-01    | Trib. to Whipple Brook            | 3                                   | PER                                | N/A                                             | Y                                                           | N                                          | Y                              | 258                                 | 150                                                     | N                                        | 52                                |
| 1       | Bradstreet Twp       | E            | PSTR-26-05    | Trib. to Horse Brook              | 3                                   | PER                                |                                                 | N                                                           | N                                          | N/A                            | 298                                 | 150                                                     | N                                        | 60                                |
| 1       | West Forks Plt       | D            | PSTR-44-07    | Tomhegan Stream                   | 3                                   | PER                                | N/A                                             | Y                                                           | N                                          | N/A                            | 37                                  | 150                                                     | N                                        | 100                               |
| 1       | Beattie Twp          | E            | ISTR-MS-02-11 | Trib. to Number One Brook         | 3.5                                 | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 512                                 | 150                                                     | N                                        | 7                                 |
| 1       | Beattie Twp          | E            | ISTR-02-01    | Trib. to Number One Brook         | 4                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 505                                 | 150                                                     | N                                        | 7                                 |
| 1       | Skinner Twp          | E            | ISTR-08-02    | Trib. to West Branch Moose River  | 4                                   | INT                                | A                                               | N                                                           | N                                          | N/A                            | 421                                 | 150                                                     | N                                        | 20, 21                            |
| 1       | Skinner Twp          | E            | ISTR-09-05    | Trib. to South Branch Moose River | 4                                   | INT                                | A                                               | N                                                           | N                                          | N/A                            | 199                                 | 150                                                     | N                                        | 22, 23                            |
| 1       | Appleton Twp         | E            | ISTR-12-06    | Trib. to Bog Brook                | 4                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 409                                 | 150                                                     | N                                        | 29, 30                            |
| 1       | Appleton Twp         | E            | ISTR-14-01    | Trib. to Gold Brook               | 4                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 328                                 | 150                                                     | N                                        | 34                                |
| 1       | Appleton Twp         | E            | ISTR-16-04    | Trib. to Gold Brook               | 4                                   | INT                                | A                                               | Y                                                           | N                                          | Y                              | 465                                 | 150                                                     | N                                        | 37                                |
| 1       | Appleton Twp         | E            | ISTR-16-05    | Trib. to Gold Brook               | 4                                   | INT                                | A                                               | Y                                                           | N                                          | Y                              | 182                                 | 150                                                     | N                                        | 37                                |
| 1       | T5 R7 BKP WKR        | E            | ISTR-18-16    | Trib. to Fish Pond                | 4                                   | INT                                | A                                               | Y                                                           | N                                          | Y                              | 48                                  | 150                                                     | N                                        | 41                                |
| 1       | Johnson Mountain Twp | E            | PSTR-31-02    | Trib. to Piel Brook               | 3                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 214                                 | 150                                                     | N                                        | 68, 69                            |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town                        | MDIFW Region | Feature ID      | Stream Name <sup>1</sup>           | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|-----------------------------|--------------|-----------------|------------------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 1       | Johnson Mountain Twp        | E            | ISTR-38-05      | Trib. to East Branch Salmon Stream | 4                                   | INT                                | A                                               | Y                                                           | N                                          | N/A                            | 72                                  | 150                                                     | Y                                        | 86, 87                            |
| 1       | Johnson Mountain Twp        | E            | ISTR-41-05      | Trib. to Cold Stream               | 4                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 466                                 | 150                                                     | N                                        | 93                                |
| 1       | Johnson Mountain Twp        | E            | ISTR-42-02      | Trib. to Tomhegan Stream           | 4                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 279                                 | 150                                                     | N                                        | 96                                |
| 1       | Johnson Mountain Twp        | E            | ISTR-42-13      | Trib. To Little Wilson Hill Pond   | 4                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 329                                 | 150                                                     | Y                                        | 94                                |
| 1       | West Forks Plt              | D            | ISTR-45-02      | Trib. to Tomhegan Stream           | 4                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 281                                 | 150                                                     | N                                        | 100                               |
| 1       | Bradstreet Twp              | E            | ISTR-SRD1-28-03 | Fourmile Brook                     | 4                                   | INT                                | A                                               | N                                                           | N                                          | N/A                            | 5                                   | 150                                                     | Y                                        | 63                                |
| 1       | Skinner Twp                 | E            | PSTR-05-02      | Smart Brook                        | 4                                   | PER                                | A                                               | N                                                           | N                                          | N/A                            | 8                                   | 150                                                     | N                                        | 13                                |
| 1       | Skinner Twp                 | E            | PSTR-09-06      | Trib. to South Branch Moose River  | 4                                   | PER                                | A                                               | N                                                           | N                                          | N/A                            | 100                                 | 150                                                     | N                                        | 22, 23                            |
| 1       | Appleton Twp                | E            | PSTR-14-30      | Trib. to Barrett Brook             | 4                                   | PER                                | N/A                                             | N                                                           | N                                          | N/A                            | 185                                 | 150                                                     | N                                        | 33                                |
| 1       | Appleton Twp                | E            | PSTR-14-36      | Trib. to Barrett Brook             | 4                                   | PER                                | N/A                                             | N                                                           | N                                          | N/A                            | 329                                 | 150                                                     | N                                        | 33                                |
| 1       | Appleton Twp                | E            | PSTR-14-68      | Trib. to Barrett Brook             | 4                                   | PER                                | N/A                                             | N                                                           | N                                          | N/A                            | 109                                 | 150                                                     | Y                                        | 32                                |
| 1       | Appleton Twp                | E            | PSTR-15-04      | Trib. to Gold Brook                | 4                                   | PER                                | N/A                                             | Y                                                           | N                                          | Y                              | 93                                  | 150                                                     | N                                        | 35, 36                            |
| 1       | Appleton Twp                | E            | PSTR-16-14      | Trib. to Gold Brook                | 4                                   | PER                                | A                                               | Y                                                           | N                                          | Y                              | 176                                 | 150                                                     | N                                        | 37                                |
| 1       | T5 R7 BKP WKR/Hobbstown Twp | E            | PSTR-18-06      | Trib. to Fish Pond                 | 4                                   | PER                                | A                                               | Y                                                           | N                                          | Y                              | 527                                 | 150                                                     | N                                        | 42                                |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town                        | MDIFW Region | Feature ID    | Stream Name <sup>1</sup>           | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|-----------------------------|--------------|---------------|------------------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 1       | Johnson Mountain Twp        | E            | PSTR-38-02    | Trib. to East Branch Salmon Stream | 4                                   | PER                                | A                                               | Y                                                           | N                                          | N/A                            | 441                                 | 150                                                     | N                                        | 87                                |
| 1       | Johnson Mountain Twp        | E            | PSTR-38-15    | Trib. to East Branch Salmon Stream | 4                                   | PER                                | A                                               | Y                                                           | N                                          | N/A                            | 146                                 | 150                                                     | N                                        | 85                                |
| 1       | West Forks PIt              | D            | PSTR-44-09    | Tomhegan Stream                    | 4                                   | PER                                | A                                               | Y                                                           | N                                          | N/A                            | 440                                 | 150                                                     | N                                        | 100                               |
| 1       | Bradstreet Twp              | E            | PSTR-SR-29-05 | Trib. to Piel Brook                | 4                                   | PER                                | N/A                                             | N                                                           | N                                          | N/A                            | 213                                 | 150                                                     | N                                        | 66, 67                            |
| 1       | Johnson Mountain Twp        | E            | ISTR-31-01    | Trib. to Piel Brook                | 5                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 388                                 | 150                                                     | N                                        | 68                                |
| 1       | Johnson Mountain Twp        | E            | ISTR-32-01    | Trib. to Piel Brook                | 5                                   | INT                                | A                                               | N                                                           | N                                          | N/A                            | 198                                 | 150                                                     | N                                        | 74                                |
| 1       | Johnson Mountain Twp        | E            | ISTR-32-02    | Trib. to Piel Brook                | 5                                   | INT                                | A                                               | N                                                           | N                                          | N/A                            | 163                                 | 150                                                     | N                                        | 74                                |
| 1       | Johnson Mountain Twp        | E            | ISTR-42-07    | Trib. to Tomhegan Stream           | 5                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 177                                 | 150                                                     | N                                        | 94                                |
| 1       | Johnson Mountain Twp        | E            | ISTR-EM-33-01 | Trib. To Twomile Brook             | 5                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 170                                 | 150                                                     | N                                        | 75                                |
| 1       | Johnson Mountain Twp        | E            | ISTR-EM-34-03 | Trib. To Mountain                  | 5                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 58                                  | 150                                                     | N                                        | 77                                |
| 1       | Johnson Mountain Twp        | E            | ISTR-EM-34-05 | Trib. To Mountain                  | 5                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 142                                 | 150                                                     | N                                        | 77                                |
| 1       | Appleton Twp                | E            | PSTR-14-24    | Trib. to Barrett Brook             | 5                                   | PER                                | N/A                                             | N                                                           | N                                          | N/A                            | 255                                 | 150                                                     | Y                                        | 33                                |
| 1       | Appleton Twp                | E            | PSTR-14-47    | Trib. to Barrett Brook             | 5                                   | PER                                | N/A                                             | N                                                           | N                                          | N/A                            | 509                                 | 150                                                     | N                                        | 33                                |
| 1       | T5 R7 BKP WKR/Hobbstown Twp | E            | PSTR-18-05    | Trib. to Fish Pond                 | 5                                   | PER                                | A                                               | Y                                                           | N                                          | Y                              | 421                                 | 150                                                     | Y                                        | 42                                |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town                 | MDIFW Region | Feature ID   | Stream Name <sup>1</sup>           | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|----------------------|--------------|--------------|------------------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 1       | T5 R7 BKP WKR        | E            | PSTR-21-02   | Trib. to Little Spencer Stream     | 5                                   | PER                                | A                                               | Y                                                           | N                                          | Y                              | 454                                 | 150                                                     | N                                        | 48, 49                            |
| 1       | T5 R7 BKP WKR        | E            | PSTR-21-2A   | Trib. to Little Spencer Stream     | 5                                   | PER                                | A                                               | Y                                                           | N                                          | Y                              | 544                                 | 150                                                     | N                                        | 48, 49                            |
| 1       | Johnson Mountain Twp | E            | PSTR-40-07   | Trib. to Cold Stream               | 5                                   | PER                                | N/A                                             | Y                                                           | N                                          | Y                              | 268                                 | 150                                                     | N                                        | 91, 92                            |
| 1       | West Forks Plt       | D            | PSTR-44-05   | Tomhegan Stream                    | 5                                   | PER                                | A                                               | Y                                                           | N                                          | N/A                            | 278                                 | 150                                                     | N                                        | 100                               |
| 1       | West Forks Plt       | D            | PSTR-44-06   | Tomhegan Stream                    | 5                                   | PER                                | A                                               | Y                                                           | N                                          | N/A                            | 167                                 | 150                                                     | N                                        | 100                               |
| 1       | West Forks Plt       | D            | PSTR-45-03   | Trib. to Tomhegan Stream           | 5                                   | PER                                | N/A                                             | Y                                                           | N                                          | N/A                            | 7                                   | 150                                                     | Y                                        | 100                               |
| 1       | Bradstreet Twp       | E            | PSTR-SRD1-02 | Trib. to Piel Brook                | 5                                   | PER                                | N/A                                             | N                                                           | N                                          | N/A                            | 274                                 | 150                                                     | N                                        | 66                                |
| 1       | West Forks Plt       | D            | PSTR-45-3    | Tomhegan Stream                    | 6                                   | PER                                | A                                               | Y                                                           | N                                          | N/A                            | 249                                 | 150                                                     | N                                        | 100                               |
| 1       | Skinner Twp          | E            | PSTR-05-01   | Smart Brook                        | 6                                   | PER                                | A                                               | N                                                           | N                                          | N/A                            | 80                                  | 150                                                     | N                                        | 13                                |
| 1       | Skinner Twp          | E            | PSTR-07-02   | Trib. to West Branch Moose River   | 6                                   | PER                                | A                                               | N                                                           | N                                          | N/A                            | 54                                  | 150                                                     | N                                        | 18                                |
| 1       | Skinner Twp          | E            | PSTR-08-04   | Trib. to West Branch Moose River   | 6                                   | PER                                | A                                               | N                                                           | N                                          | N/A                            | 27                                  | 150                                                     | Y                                        | 20                                |
| 1       | Appleton Twp         | E            | PSTR-11-07   | Trib. to Bog Brook                 | 6                                   | PER                                | A                                               | N                                                           | N                                          | N/A                            | 583                                 | 150                                                     | N                                        | 27                                |
| 1       | Appleton Twp         | E            | PSTR-14-49   | Trib. to Barrett Brook             | 6                                   | PER                                | N/A                                             | N                                                           | N                                          | N/A                            | 458                                 | 150                                                     | N                                        | 33                                |
| 1       | Johnson Mountain Twp | E            | PSTR-38-06   | Trib. to East Branch Salmon Stream | 6                                   | PER                                | A                                               | Y                                                           | N                                          | N/A                            | 8                                   | 150                                                     | Y                                        | 86, 87                            |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town                          | MDIFW Region | Feature ID      | Stream Name <sup>1</sup>           | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|-------------------------------|--------------|-----------------|------------------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 1       | Johnson Mountain Twp          | E            | PSTR-38-10      | Trib. to East Branch Salmon Stream | 6                                   | PER                                | A                                               | Y                                                           | N                                          | N/A                            | 41                                  | 150                                                     | N                                        | 86                                |
| 1       | Merrill Strip Twp/Beattie Twp | E            | PSTR-LT-1       | Trib. to Number One Brook          | 6                                   | PER                                | A                                               | N                                                           | N                                          | N/A                            | 190                                 | 150                                                     | Y                                        | 10                                |
| 1       | Appleton Twp                  | E            | PSTR-14-33      | Trib. to Barrett Brook             | 7                                   | PER                                | N/A                                             | N                                                           | N                                          | N/A                            | 298                                 | 150                                                     | N                                        | 33                                |
| 1       | Bradstreet Twp                | E            | ISTR-27-02      | Trib. To Fourmile Brook            | 8                                   | INT                                | N/A                                             | N                                                           | N                                          | N/A                            | 233                                 | 150                                                     | N                                        | 61, 62                            |
| 1       | T5 R7 BKP WKR                 | E            | PSTR-18-14      | Trib. to Fish Pond                 | 8                                   | PER                                | A                                               | Y                                                           | N                                          | Y                              | 123                                 | 150                                                     | N                                        | 41                                |
| 1       | Johnson Mountain Twp          | E            | PSTR-31-06      | Trib. to Piel Brook                | 8                                   | PER                                | A                                               | N                                                           | N                                          | N/A                            | 100                                 | 150                                                     | Y                                        | 71                                |
| 1       | Bradstreet Twp                | E            | PSTR-SRD1-28-04 | Fourmile Brook                     | 8                                   | PER                                | A                                               | N                                                           | N                                          | N/A                            | 17                                  | 150                                                     | N                                        | 63                                |
| 1       | Johnson Mountain Twp          | E            | PSTR-EM-34-01   | Mountain Brook                     | 9                                   | PER                                | A                                               | Y                                                           | N                                          | N/A                            | 31                                  | 150                                                     | N                                        | 76                                |
| 1       | Appleton Twp                  | E            | PSTR-12-07      | Trib. to Bog Brook                 | 10                                  | PER                                | A                                               | N                                                           | N                                          | N/A                            | 264                                 | 150                                                     | N                                        | 28                                |
| 1       | Appleton Twp                  | E            | PSTR-16-07      | Trib. to Gold Brook                | 10                                  | PER                                | A                                               | Y                                                           | N                                          | Y                              | 178                                 | 150                                                     | N                                        | 37                                |
| 1       | Bradstreet Twp                | E            | PSTR-26-01      | Trib. to Moose River               | 10                                  | PER                                | A                                               | N                                                           | N                                          | N/A                            | 326                                 | 150                                                     | N                                        | 59                                |
| 1       | Johnson Mountain Twp          | E            | PSTR-31-SRD2-01 | Piel Brook                         | 0                                   | PER                                | A                                               | N                                                           | N                                          | N/A                            | 239                                 | 150                                                     | N                                        | 70                                |
| 1       | West Forks Plt                | D            | PSTR-45-01      | Trib. to Cold stream               | 10                                  | PER                                | N/A                                             | Y                                                           | N                                          | Y                              | 150                                 | 150                                                     | N                                        | 102                               |
| 1       | West Forks Plt                | D            | PSTR-46-04      | Trib. To Kennebec River            | 10                                  | PER                                | N/A                                             | Y                                                           | N                                          | Y                              | 201                                 | 150                                                     | N                                        | 104                               |
| 1       | Appleton Twp                  | E            | PSTR-11-07-RR1  | Trib. to Bog Brook                 | 6                                   | PER                                | A                                               | N                                                           | N                                          | N/A                            | 583                                 | 150                                                     | N                                        | 27                                |



**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town                        | MDIFW Region | Feature ID       | Stream Name <sup>1</sup>       | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|-----------------------------|--------------|------------------|--------------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 1       | Johnson Mountain Twp        | E            | PSTR-SR-31-01    | Piel Brook                     | 10                                  | PER                                | A                                               | N                                                           | N                                          | N/A                            | 219                                 | 150                                                     | N                                        | 70                                |
| 1       | Bradstreet Twp              | E            | PSTR-SRD1-28-01  | Fourmile Brook                 | 10                                  | PER                                | A                                               | N                                                           | N                                          | N/A                            | 6                                   | 150                                                     | N                                        | 63                                |
| 1       | T5 R7 BKP WKR/Hobbstown Twp | E            | PSTR-21-03       | Trib. to Little Spencer Stream | 12                                  | PER                                | AA                                              | Y                                                           | N                                          | Y                              | 221                                 | 150                                                     | N                                        | 48                                |
| 1       | Bradstreet Twp              | E            | ISTR-30-01       | Piel Brook                     | 1                                   | PER                                | A                                               | N                                                           | N                                          | N/A                            | 261                                 | 150                                                     | N                                        |                                   |
| 1       | Johnson Mountain Twp        | E            | ISTR-35-02       | Trib. to Salmon Stream         | 2                                   | PER                                | A                                               | Y                                                           | N                                          | N/A                            | 524                                 | 150                                                     | N                                        | 80                                |
| 1       | Appleton Twp                | E            | ISTR-15-07       | Gold Brook                     | 15                                  | INT                                | A                                               | Y                                                           | N                                          | Y                              | 248                                 | 150                                                     | N                                        | 36                                |
| 1       | Beattie Twp                 | E            | PSTR-01-05       | Mill Brook                     | 15                                  | PER                                | A                                               | N                                                           | N                                          | N/A                            | 612                                 | 150                                                     | N                                        | 4                                 |
| 1       | Skinner Twp                 | E            | PSTR-11-01       | Trib. to Bog Brook             | 15                                  | PER                                | A                                               | N                                                           | N                                          | N/A                            | 125                                 | 150                                                     | N                                        | 26                                |
| 1       | Appleton Twp                | E            | PSTR-17R-04      | Baker Stream                   | 15                                  | PER                                | A                                               | Y                                                           | N                                          | Y                              | 390                                 | 150                                                     | N                                        | 39                                |
| 1       | West Forks Plt              | D            | PSTR-44-01 (TOB) | Tomhegan Stream                | 15                                  | PER                                | A                                               | Y                                                           | N                                          | N/A                            | 414                                 | 150                                                     | N                                        | 100                               |
| 1       | West Forks Plt              | D            | PSTR-44-01 EAST  | Tomhegan Stream                | 15                                  | PER                                | A                                               | Y                                                           | N                                          | N/A                            | 290                                 | 150                                                     | N                                        | 100                               |
| 1       | West Forks Plt              | D            | PSTR-44-01 WEST  | Tomhegan Stream                | 15                                  | PER                                | A                                               | Y                                                           | N                                          | N/A                            | 301                                 | 150                                                     | N                                        | 99, 100                           |
| 1       | West Forks Plt              | D            | PSTR-44-02       | Tomhegan Stream                | 15                                  | PER                                | N/A                                             | Y                                                           | N                                          | N/A                            | 355                                 | 150                                                     | N                                        | 100                               |
| 1       | West Forks Plt              | D            | PSTR-44-04       | Tomhegan Stream                | 15                                  | PER                                | A                                               | Y                                                           | N                                          | N/A                            | 228                                 | 150                                                     | N                                        | 100                               |
| 1       | Johnson Mountain Twp        | E            | PSTR-33-01       | Mountain Brook                 | 18                                  | PER                                | A                                               | Y                                                           | N                                          | N/A                            | 33                                  | 150                                                     | N                                        | 76                                |
| 1       | Appleton Twp                | E            | PSTR-17-07       | Baker Stream                   | 20                                  | PER                                | A                                               | Y                                                           | N                                          | Y                              | 354                                 | 150                                                     | N                                        | 39                                |
| 1       | Appleton Twp                | E            | PSTR-16-01       | Gold Brook                     | 25                                  | PER                                | A                                               | Y                                                           | N                                          | Y                              | 32                                  | 150                                                     | N                                        | 37                                |
| 1       | T5 R7 BKP WKR/Hobbstown Twp | E            | PSTR-21-04       | Little Spencer Stream          | 25                                  | PER                                | AA                                              | Y                                                           | N                                          | Y                              | 358                                 | 150                                                     | N                                        | 48                                |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town                    | MDIFW Region | Feature ID       | Stream Name <sup>1</sup> | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|-------------------------|--------------|------------------|--------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 1       | Johnson Mountain Twp    | E            | PSTR-40-06       | Cold Stream              | 25                                  | PER                                | AA                                              | Y                                                           | N                                          | Y                              | 391                                 | 150                                                     | N                                        | 91                                |
| 1       | Bradstreet Twp          | E            | PSTR-25-01       | Horse Brook              | 30                                  | PER                                | A                                               | N                                                           | N                                          | N/A                            | 119                                 | 150                                                     | Y                                        | 58                                |
| 1       | Johnson Mountain Twp    | E            | PSTR-42-03 (TOB) | Trib. to Tomhegan Stream | 40                                  | PER                                | A                                               | Y                                                           | N                                          | N/A                            | 121                                 | 150                                                     | N                                        | 95                                |
| 2       | Bald Mountain Twp T2 R3 | D            | ISTR-60-08       | Trib. to Joes Hole       | 2                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 212                                 | 75                                                      | N                                        | 133                               |
| 2       | Moscow                  | D            | ISTR-71-101      | Trib. to Austin Stream   | 1                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 120                                 | 75                                                      | N                                        | 158                               |
| 2       | Moscow                  | D            | ISTR-72-101      | Trib. to Chase Stream    | 3                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 228                                 | 75                                                      | N                                        | 159, 160                          |
| 2       | Moscow                  | D            | ISTR-72-102      | Trib. to Chase Stream    | 3                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 405                                 | 75                                                      | N                                        | 159                               |
| 2       | Moscow                  | D            | ISTR-72-106      | Trib. to Chase Stream    | 2                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 209                                 | 75                                                      | N                                        | 160                               |
| 2       | Moscow                  | D            | ISTR-73-02       | Mink Brook               | 1.5                                 | INT                                | A                                               | Y                                                           | N                                          | Y                              | 416                                 | 75                                                      | N                                        | 161                               |
| 2       | Moscow                  | D            | ISTR-73-03       | Mink Brook               | 2                                   | INT                                | A                                               | Y                                                           | N                                          | Y                              | 574                                 | 75                                                      | N                                        |                                   |
| 2       | Moscow                  | D            | ISTR-73-05       | Trib. to Mink Brook      | 2                                   | INT                                | A                                               | Y                                                           | N                                          | Y                              | 15                                  | 75                                                      | Y                                        | 161, 162                          |
| 2       | Moscow                  | D            | ISTR-73-06       | Trib. to Mink Brook      | 3                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 20                                  | 75                                                      | Y                                        | 162                               |
| 2       | Moscow                  | D            | ISTR-73-07       | Mink Brook               | 3                                   | INT                                | A                                               | Y                                                           | N                                          | Y                              | 341                                 | 75                                                      | N                                        |                                   |
| 2       | Moscow                  | D            | ISTR-73-08       | Trib. to Austin Stream   | 2                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 461                                 | 75                                                      | N                                        | 163                               |
| 2       | Bald Mountain Twp T2 R3 | D            | POND-59-05       | Joes Hole                | 100                                 | Open Water                         | N/A                                             | Y                                                           | N                                          | N/A                            | 118                                 | 75                                                      | N                                        | 131, 132                          |
| 2       | Bald Mountain Twp T2 R3 | D            | POND-60-01       | Joes Hole                | 180                                 | Open Water                         | A                                               | Y                                                           | N                                          | Y                              | 109                                 | 75                                                      | N                                        | 133, 134                          |
| 2       | The Forks Plt           | D            | ISTR-54-01       | Trib. to Moxie Pond      | 9                                   | PER                                | A                                               | Y                                                           | N                                          | Y                              | 397                                 | 75                                                      | N                                        | 120                               |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town                    | MDIFW Region | Feature ID  | Stream Name <sup>1</sup> | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|-------------------------|--------------|-------------|--------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 2       | Moscow                  | D            | PSTR-71-102 | Trib. to Austin Stream   | 4                                   | PER                                | N/A                                             | Y                                                           | N                                          | N/A                            | 378                                 | 75                                                      | N                                        | 157                               |
| 2       | Moscow                  | D            | PSTR-72-103 | Chase Stream             | 30                                  | PER                                | A                                               | Y                                                           | N                                          | Y                              | 1                                   | 75                                                      | Y                                        | 159, 160                          |
| 2       | Moscow                  | D            | PSTR-72-104 | Trib. to Chase Stream    | 3.5                                 | PER                                | A                                               | Y                                                           | N                                          | Y                              | 40                                  | 75                                                      | N                                        | 159, 160                          |
| 2       | Moscow                  | D            | PSTR-72-105 | Trib. to Chase Stream    | 2                                   | PER                                | A                                               | Y                                                           | N                                          | Y                              | 124                                 | 75                                                      | N                                        | 159, 160                          |
| 2       | Moscow                  | D            | ISTR-73-01  | Mink Brook               | 2                                   | PER                                | A                                               | Y                                                           | N                                          | Y                              | 139                                 | 75                                                      | N                                        |                                   |
| 2       | Moscow                  | D            | ISTR-73-04  | Trib. to Mink Brook      | 2                                   | PER                                | A                                               | Y                                                           | N                                          | Y                              | 21                                  | 75                                                      | N                                        |                                   |
| 2       | Moscow                  | D            | PSTR-74-01  | Trib. to Kennebec River  | 2                                   | PER                                | B                                               | Y                                                           | N                                          | Y                              | 172                                 | 75                                                      | N                                        | 164, 165                          |
| 2       | Bald Mountain Twp T2 R3 | D            | ISTR-61-05  | Trib. to Wild Brook      | 1                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 295                                 | 75                                                      | N                                        | 136                               |
| 2       | The Forks Plt           | D            | ISTR-55-03  | Trib. to Moxie Pond      | 1.5                                 | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 297                                 | 75                                                      | N                                        | 123                               |
| 2       | Moscow                  | D            | ESTR-66-12  | Trib. to Heald Stream    | 2                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 520                                 | 75                                                      | N                                        | 148, 149                          |
| 2       | The Forks Plt           | D            | ISTR-53-01  | Trib. to Moxie Pond      | 2                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 59                                  | 75                                                      | N                                        | 119                               |
| 2       | The Forks Plt           | D            | ISTR-55-02  | Trib. to Moxie Pond      | 2                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 274                                 | 75                                                      | N                                        | 123                               |
| 2       | The Forks Plt           | D            | ISTR-56-03  | Trib. to Moxie Pond      | 2                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 442                                 | 75                                                      | N                                        | 125                               |
| 2       | Bald Mountain Twp T2 R3 | D            | ISTR-63-07  | Trib. to Wild Brook      | 2                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 467                                 | 75                                                      | N                                        | 141                               |
| 2       | Bald Mountain Twp T2 R3 | D            | PSTR-60-02  | Trib. to Baker Stream    | 2                                   | PER                                | N/A                                             | Y                                                           | N                                          | N/A                            | 124                                 | 75                                                      | Y                                        | 135                               |
| 2       | Bald Mountain Twp T2 R3 | D            | ISTR-60-05  | Trib. to Joes Hole       | 2.5                                 | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 119                                 | 75                                                      | N                                        | 134                               |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town                    | MDIFW Region | Feature ID | Stream Name <sup>1</sup>    | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|-------------------------|--------------|------------|-----------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 2       | Bald Mountain Twp T2 R3 | D            | ISTR-63-05 | Trib. to Wild Brook         | 2.5                                 | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 446                                 | 75                                                      | N                                        | 140                               |
| 2       | Bald Mountain Twp T2 R3 | D            | ISTR-64-03 | Trib. to Wild Brook         | 2.5                                 | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 368                                 | 75                                                      | N                                        | 142, 143                          |
| 2       | Moscow                  | D            | ISTR-65-04 | Trib. to Little Heald Brook | 2.5                                 | INT                                | A                                               | Y                                                           | N                                          | Y                              | 217                                 | 75                                                      | N                                        | 146                               |
| 2       | Bald Mountain Twp T2 R3 | D            | PSTR-60-07 | Trib. to Joes Hole          | 2.5                                 | PER                                | A                                               | Y                                                           | N                                          | Y                              | 314                                 | 75                                                      | N                                        | 133                               |
| 2       | Moscow                  | D            | PSTR-65-03 | Little Heald Stream         | 2.5                                 | PER                                | A                                               | Y                                                           | N                                          | Y                              | 136                                 | 75                                                      | N                                        | 146                               |
| 2       | The Forks Plt           | D            | ISTR-54-02 | Trib. to Moxie Pond         | 3                                   | INT                                | A                                               | Y                                                           | N                                          | Y                              | 322                                 | 75                                                      | N                                        | 120                               |
| 2       | Bald Mountain Twp T2 R3 | D            | ISTR-62-01 | Trib. to Wild Brook         | 3                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 267                                 | 75                                                      | N                                        | 139                               |
| 2       | Bald Mountain Twp T2 R3 | D            | ISTR-62-02 | Trib. to Wild Brook         | 3                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 342                                 | 75                                                      | N                                        | 139                               |
| 2       | Bald Mountain Twp T2 R3 | D            | ISTR-62-03 | Trib. to Wild Brook         | 3                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 330                                 | 75                                                      | N                                        | 140                               |
| 2       | Bald Mountain Twp T2 R3 | D            | ISTR-63-08 | Trib. to Wild Brook         | 3                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 438                                 | 75                                                      | N                                        | 141                               |
| 2       | Bald Mountain Twp T2 R3 | D            | ISTR-63-09 | Trib. to Wild Brook         | 3                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 322                                 | 75                                                      | N                                        | 141                               |
| 2       | Bald Mountain Twp T2 R3 | D            | ISTR-64-05 | Trib. to Wild Brook         | 3                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 288                                 | 75                                                      | N                                        | 142                               |
| 2       | Moscow                  | D            | ISTR-66-05 | Heald Stream                | 3                                   | INT                                | A                                               | Y                                                           | N                                          | Y                              | 454                                 | 75                                                      | N                                        | 147                               |
| 2       | Moscow                  | D            | PSTR-65-01 | Trib. to Little Heald Brook | 3                                   | PER                                | N/A                                             | Y                                                           | N                                          | Y                              | 119                                 | 75                                                      | Y                                        | 145                               |
| 2       | Bald Mountain Twp T2 R3 | D            | PSTR-61-08 | Trib. to Baker Stream       | 3.5                                 | PER                                | N/A                                             | Y                                                           | N                                          | N/A                            | 191                                 | 75                                                      | N                                        | 136                               |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town                    | MDIFW Region | Feature ID | Stream Name <sup>1</sup>     | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|-------------------------|--------------|------------|------------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 2       | Moscow                  | D            | ISTR-66-07 | Trib. to Heald Stream        | 4                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 238                                 | 75                                                      | Y                                        | 147                               |
| 2       | Bald Mountain Twp T2 R3 | D            | PSTR-60-01 | Trib. to Baker Stream        | 4                                   | PER                                | N/A                                             | Y                                                           | N                                          | N/A                            | 161                                 | 75                                                      | N                                        | 135                               |
| 2       | Bald Mountain Twp T2 R3 | D            | PSTR-63-06 | Trib. to Wild Brook          | 4                                   | PER                                | N/A                                             | Y                                                           | N                                          | Y                              | 333                                 | 75                                                      | N                                        | 141                               |
| 2       | Bald Mountain Twp T2 R3 | D            | PSTR-63-11 | Trib. to Wild Brook          | 4                                   | PER                                | N/A                                             | Y                                                           | N                                          | Y                              | 283                                 | 75                                                      | N                                        | 142                               |
| 2       | Bald Mountain Twp T2 R3 | D            | PSTR-64-06 | Trib. to Wild Brook          | 4                                   | PER                                | N/A                                             | Y                                                           | N                                          | Y                              | 118                                 | 75                                                      | Y                                        | 143                               |
| 2       | The Forks Plt           | D            | ISTR-57-02 | Trib. to Mosquito Stream     | 5                                   | INT                                | A                                               | Y                                                           | N                                          | Y                              | 532                                 | 75                                                      | N                                        | 127                               |
| 2       | Moscow                  | D            | ISTR-66-08 | Trib. to Heald Stream        | 5                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 416                                 | 75                                                      | N                                        | 148                               |
| 2       | Moscow                  | D            | ISTR-66-09 | Trib. to Heald Stream        | 5                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 3                                   | 75                                                      | Y                                        | 148                               |
| 2       | Moscow                  | D            | ISTR-66-10 | Trib. to Heald Stream        | 5                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 5                                   | 75                                                      | Y                                        | 148, 149                          |
| 2       | Bald Mountain Twp T2 R3 | D            | PSTR-60-06 | Trib. to Joes Hole           | 5                                   | PER                                | A                                               | Y                                                           | N                                          | Y                              | 316                                 | 75                                                      | N                                        | 133                               |
| 2       | Bald Mountain Twp T2 R3 | D            | PSTR-61-01 | Wild Brook                   | 5                                   | PER                                | A                                               | Y                                                           | N                                          | Y                              | 511                                 | 75                                                      | Y                                        | 137                               |
| 2       | Bald Mountain Twp T2 R3 | D            | PSTR-64-02 | Trib. to Wild Brook          | 5                                   | PER                                | N/A                                             | Y                                                           | N                                          | Y                              | 413                                 | 75                                                      | N                                        | 142, 143                          |
| 2       | The Forks Plt           | D            | ISTR-55-01 | Trib. to Moxie Pond          | 6                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 212                                 | 75                                                      | N                                        | 123                               |
| 2       | Bald Mountain Twp T2 R3 | D            | ISTR-59-02 | Trib. to Little Sandy Stream | 6                                   | INT                                | A                                               | Y                                                           | N                                          | Y                              | 16                                  | 75                                                      | Y                                        | 131                               |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town                    | MDIFW Region | Feature ID  | Stream Name <sup>1</sup> | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|-------------------------|--------------|-------------|--------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 2       | Moscow                  | D            | ISTR-66-06  | Trib. to Heald Stream    | 6                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 258                                 | 75                                                      | Y                                        | 147                               |
| 2       | Moscow                  | D            | ISTR-67-01  | Trib. to Austin Stream   | 6                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 120                                 | 75                                                      | Y                                        | 149                               |
| 2       | Bald Mountain Twp T2 R3 | D            | PSTR-63-10  | Trib. to Wild Brook      | 6                                   | PER                                | N/A                                             | Y                                                           | N                                          | Y                              | 215                                 | 75                                                      | N                                        | 142                               |
| 2       | Moscow                  | D            | ISTR-69-01  | Trib. to Austin Stream   | 7                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 155                                 | 75                                                      | N                                        | 156, 157                          |
| 2       | Bald Mountain Twp T2 R3 | D            | PSTR-63-03  | Wild Brook               | 7                                   | PER                                | A                                               | Y                                                           | N                                          | Y                              | 380                                 | 75                                                      | N                                        | 140                               |
| 2       | Bald Mountain Twp T2 R3 | D            | PSTR-63-04  | Wild Brook               | 7                                   | PER                                | A                                               | Y                                                           | N                                          | Y                              | 284                                 | 75                                                      | N                                        | 140                               |
| 2       | Moscow                  | D            | ISTR-72-107 | Trib. to Chase Stream    | 8                                   | INT                                | A                                               | Y                                                           | N                                          | Y                              | 66                                  | 75                                                      | Y                                        | 160                               |
| 2       | The Forks Plt           | D            | PSTR-57-01  | Mosquito Stream          | 10                                  | PER                                | A                                               | Y                                                           | N                                          | Y                              | 470                                 | 75                                                      | N                                        | 127                               |
| 2       | Bald Mountain Twp T2 R3 | D            | PSTR-59-01  | Little Sandy Stream      | 15                                  | PER                                | A                                               | Y                                                           | N                                          | Y                              | 107                                 | 75                                                      | Y                                        | 131                               |
| 2       | Moscow                  | D            | PSTR-66-02  | Heald Stream             | 15                                  | PER                                | A                                               | Y                                                           | N                                          | Y                              | 459                                 | 75                                                      | N                                        | 146, 147                          |
| 2       | Moscow                  | D            | PSTR-65-02  | Little Heald Brook       | 25                                  | PER                                | A                                               | Y                                                           | N                                          | Y                              | 82                                  | 75                                                      | N                                        | 146                               |
| 3       | Industry                | D            | ISTR-101-01 | Trib. to Josiah Brook    | 5                                   | INT                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 272                                 | 75                                                      | N                                        | 223                               |
| 3       | Industry                | D            | ISTR-101-02 | Trib. to Josiah Brook    | 2                                   | INT                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 219                                 | 75                                                      | N                                        | 223                               |
| 3       | Industry                | D            | ISTR-102-01 | Trib. to Josiah Brook    | 8                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 294                                 | 75                                                      | N                                        | 225                               |
| 3       | Industry                | D            | ISTR-103-01 | Trib. to Goodrich Brook  | 5                                   | INT                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 349                                 | 75                                                      | N                                        | 229                               |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town       | MDIFW Region | Feature ID  | Stream Name <sup>1</sup> | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|------------|--------------|-------------|--------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 3       | Industry   | D            | ISTR-103-02 | Trib. to Goodrich Brook  | 1.5                                 | INT                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 302                                 | 75                                                      | N                                        | 229                               |
| 3       | Industry   | D            | ISTR-103-03 | Trib. to Goodrich Brook  | 3                                   | INT                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 72                                  | 75                                                      | N                                        | 228, 229                          |
| 3       | Industry   | D            | ISTR-103-04 | Trib. to Goodrich Brook  | 3                                   | INT                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 102                                 | 75                                                      | N                                        | 228, 229                          |
| 3       | Industry   | D            | ISTR-103-05 | Trib. to Goodrich Brook  | 3                                   | INT                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 195                                 | 75                                                      | N                                        | 228                               |
| 3       | Industry   | D            | ISTR-103-06 | Trib. to Goodrich Brook  | 1.5                                 | INT                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 375                                 | 75                                                      | N                                        | 228                               |
| 3       | Industry   | D            | ISTR-103-07 | Trib. to Goodrich Brook  | 5                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 330                                 | 75                                                      | N                                        | 228                               |
| 3       | Industry   | D            | ISTR-103-08 | Trib. to Goodrich Brook  | 4                                   | INT                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 209                                 | 75                                                      | N                                        | 227, 228                          |
| 3       | Industry   | D            | ISTR-103-09 | Trib. to Goodrich Brook  | 5                                   | INT                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 274                                 | 75                                                      | N                                        | 227, 228                          |
| 3       | Farmington | D            | ISTR-107-01 | Trib. to Beales Brook    | 1.5                                 | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 299                                 | 75                                                      | N                                        | 238                               |
| 3       | Farmington | D            | ISTR-108-01 | Trib. to Cascade Brook   | 3                                   | INT                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 200                                 | 75                                                      | N                                        | 240                               |
| 3       | Farmington | D            | ISTR-108-02 | Trib. to Cascade Brook   | 2.5                                 | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 246                                 | 75                                                      | N                                        | 240                               |
| 3       | Farmington | D            | ISTR-108-03 | Trib. to Cascade Brook   | 1.5                                 | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 275                                 | 75                                                      | N                                        | 240                               |
| 3       | Farmington | D            | ISTR-108-04 | Trib. to Cascade Brook   | 1                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 196                                 | 75                                                      | N                                        | 239                               |
| 3       | Farmington | D            | ISTR-111-01 | Trib. to Wilson Stream   | 2                                   | INT                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 162                                 | 75                                                      | N                                        | 246                               |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town            | MDIFW Region | Feature ID  | Stream Name <sup>1</sup>    | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|-----------------|--------------|-------------|-----------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 3       | Jay             | D            | ISTR-114-02 | Trib. to Wilson Stream      | 3                                   | INT                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 107                                 | 75                                                      | N                                        | 253                               |
| 3       | Chesterville    | D            | ISTR-114-03 | Trib. to Wilson Stream      | 6                                   | INT                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 349                                 | 75                                                      | Y                                        | 253                               |
| 3       | Jay             | D            | ISTR-116-02 | Trib. To Sugar Brook        | 8                                   | INT                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 140                                 | 75                                                      | Y                                        | 256                               |
| 3       | Jay             | D            | ISTR-117-01 | Trib. to Fuller Brook       | 2                                   | INT                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 86                                  | 75                                                      | Y                                        | 259                               |
| 3       | Livermore Falls | B            | ISTR-127-01 | Trib. to Androscoggin River | 10                                  | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 411                                 | 75                                                      | Y                                        | 280, 281                          |
| 3       | Leeds           | B            | ISTR-132-02 | Trib. To Dead River         | 3                                   | INT                                | B                                               | Y                                                           | N                                          | N/A                            | 277                                 | 75                                                      | N                                        | 292                               |
| 3       | Leeds           | B            | ISTR-135-04 | Trib. to Allen Stream       | 4                                   | INT                                | B                                               | Y                                                           | N                                          | N/A                            | 201                                 | 75                                                      | N                                        | 299                               |
| 3       | Concord Twp     | D            | ISTR-75-03  | Trib. to Kennebec River     | 4                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 287                                 | 75                                                      | Y                                        | 167                               |
| 3       | Concord Twp     | D            | ISTR-76-02  | Trib. to Kennebec River     | 1                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 251                                 | 75                                                      | N                                        |                                   |
| 3       | Concord Twp     | D            | ISTR-76-03  | Trib. to Kennebec River     | 20                                  | INT                                | B                                               | Y                                                           | N                                          | N/A                            | 536                                 | 75                                                      | N                                        |                                   |
| 3       | Concord Twp     | D            | ISTR-76-04  | Trib. to Kennebec River     | 2                                   | INT                                | B                                               | Y                                                           | N                                          | N/A                            | 366                                 | 75                                                      | N                                        |                                   |
| 3       | Concord Twp     | D            | ISTR-76-05  | Trib. to Kennebec River     | 15                                  | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 247                                 | 75                                                      | N                                        |                                   |
| 3       | Concord Twp     | D            | ISTR-76-06  | Trib. to Kennebec River     | 20                                  | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 238                                 | 75                                                      | N                                        |                                   |
| 3       | Concord Twp     | D            | ISTR-77-03  | Trib. to Kennebec River     | 2.5                                 | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 228                                 | 75                                                      | N                                        | 171                               |
| 3       | Concord Twp     | D            | ISTR-78-01  | Trib. To Mill Stream        | 3                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 204                                 | 75                                                      | Y                                        | 173                               |



**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town        | MDIFW Region | Feature ID | Stream Name <sup>1</sup> | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|-------------|--------------|------------|--------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 3       | Concord Twp | D            | ISTR-78-02 | Trib. To Mill Stream     | 3                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 254                                 | 75                                                      | N                                        | 173                               |
| 3       | Concord Twp | D            | ISTR-80-01 | Trib. to Kennebec River  | 2                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 480                                 | 75                                                      | N                                        | 177                               |
| 3       | Concord Twp | D            | ISTR-80-02 | Trib. to Kennebec River  | 3                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 267                                 | 75                                                      | N                                        | 176                               |
| 3       | Concord Twp | D            | ISTR-80-03 | Trib. to Kennebec River  | 2                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 93                                  | 75                                                      | N                                        | 176                               |
| 3       | Concord Twp | D            | ISTR-80-04 | Trib. to Kennebec River  | 1.5                                 | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 468                                 | 75                                                      | N                                        | 177                               |
| 3       | Concord Twp | D            | ISTR-80-05 | Trib. to Kennebec River  | 3                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 247                                 | 75                                                      | N                                        | 177                               |
| 3       | Concord Twp | D            | ISTR-81-01 | Trib. to Kennebec River  | 4                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 256                                 | 75                                                      | N                                        | 178, 179                          |
| 3       | Concord Twp | D            | ISTR-81-02 | Trib. to Kennebec River  | 4                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 243                                 | 75                                                      | N                                        | 178, 179                          |
| 3       | Embden      | D            | ISTR-82-01 | Trib. to Alder Brook     | 5                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 330                                 | 75                                                      | N                                        | 182, 183                          |
| 3       | Embden      | D            | ISTR-83-02 | Trib. to Alder Brook     | 4                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 429                                 | 75                                                      | N                                        | 184                               |
| 3       | Embden      | D            | ISTR-83-05 | Trib. to Alder Brook     | 3                                   | INT                                | B                                               | Y                                                           | N                                          | Y                              | 327                                 | 75                                                      | N                                        | 184                               |
| 3       | Embden      | D            | ISTR-83-06 | Trib. to Alder Brook     | 2                                   | INT                                | B                                               | Y                                                           | N                                          | Y                              | 281                                 | 75                                                      | Y                                        | 183, 184                          |
| 3       | Embden      | D            | ISTR-84-01 | Trib. to Alder Brook     | 4                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 312                                 | 75                                                      | N                                        | 185                               |
| 3       | Embden      | D            | ISTR-85-01 | Jackin Brook             | 2                                   | INT                                | B                                               | Y                                                           | N                                          | Y                              | 232                                 | 75                                                      | N                                        | 187                               |
| 3       | Starks      | D            | ISTR-96-07 | Trib. to Pelton Brook    | 3                                   | INT                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 374                                 | 75                                                      | N                                        | 213                               |
| 3       | Starks      | D            | ISTR-96-08 | Trib. to Pelton Brook    | 4                                   | INT                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 245                                 | 75                                                      | N                                        | 213                               |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town       | MDIFW Region | Feature ID    | Stream Name <sup>1</sup>        | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|------------|--------------|---------------|---------------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 3       | Starks     | D            | ISTR-96-09    | Trib. to Pelton Brook           | 2                                   | INT                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 251                                 | 75                                                      | N                                        | 213                               |
| 3       | Starks     | D            | ISTR-96-10    | Trib. to Pelton Brook           | 5                                   | INT                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 319                                 | 75                                                      | N                                        | 213                               |
| 3       | Starks     | D            | ISTR-96-11    | Trib. to Pelton Brook           | 2                                   | INT                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 335                                 | 75                                                      | N                                        | 213                               |
| 3       | Starks     | D            | ISTR-96-12    | Trib. to Pelton Brook           | 2                                   | INT                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 260                                 | 75                                                      | N                                        | 213                               |
| 3       | Starks     | D            | ISTR-97-02    | Trib. to Pelton Brook           | 100                                 | INT                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 460                                 | 75                                                      | N                                        | 214, 215                          |
| 3       | Starks     | D            | ISTR-97-03    | Trib. to Pelton Brook           | 2.5                                 | INT                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 494                                 | 75                                                      | N                                        | 214, 215                          |
| 3       | Starks     | D            | ISTR-97-04    | Trib. to Pelton Brook           | 3                                   | INT                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 341                                 | 75                                                      | N                                        | 214, 215                          |
| 3       | Starks     | D            | ISTR-97-06    | Trib. to Cold Pond/Hilton Brook | 4                                   | INT                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 533                                 | 75                                                      | N                                        | 216                               |
| 3       | Starks     | D            | ISTR-97-07    | Trib. to Cold Pond/Hilton Brook | 2                                   | INT                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 562                                 | 75                                                      | N                                        | 216                               |
| 3       | Starks     | D            | ISTR-98-01    | Trib. to Lemon Stream           | 2                                   | INT                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 110                                 | 75                                                      | N                                        | 217, 218                          |
| 3       | Starks     | D            | ISTR-99-01    | Trib. to Lemon Stream           | 2                                   | INT                                | B                                               | Y                                                           | Y                                          | Y                              | 193                                 | 75                                                      | N                                        | 219                               |
| 3       | Lewiston   | A            | ISTR-PERRON-1 | Trib. to Stetson Brook          | 0                                   | INT                                | N/A                                             | Y                                                           | N                                          | N/A                            | 353                                 | 75                                                      | N                                        | 320                               |
| 3       | Farmington | D            | PSTR-112-01   | Trib. to Wilson Stream          | 2                                   | PER                                | B                                               | Y                                                           | Y                                          | Y                              | 290                                 | 75                                                      | N                                        | 249                               |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town                   | MDIFW Region | Feature ID  | Stream Name <sup>1</sup> | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|------------------------|--------------|-------------|--------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 3       | Chesterville           | D            | PSTR-114-01 | Trib. to Wilson Stream   | 8                                   | PER                                | N/A                                             | Y                                                           | Y                                          | Y                              | 352                                 | 75                                                      | N                                        | 253                               |
| 3       | Chesterville           | D            | PSTR-114-04 | Trib. to Wilson Stream   | 1                                   | PER                                | N/A                                             | Y                                                           | Y                                          | Y                              | 354                                 | 75                                                      | N                                        | 252                               |
| 3       | Greene                 | A            | PSTR-141-01 | Trib. to Daggett Bog     | 3                                   | PER                                | B                                               | Y                                                           | N                                          | N/A                            | 92                                  | 75                                                      | N                                        | 312                               |
| 3       | Moscow/<br>Concord Twp | D            | ISTR-75-01  | Kennebec River           | 3                                   | PER                                | A                                               | Y                                                           | N                                          | Y                              | 218                                 | 75                                                      | N                                        |                                   |
| 3       | Concord Twp            | D            | ISTR-75-02  | Trib. to Kennebec River  | 2                                   | PER                                | B                                               | Y                                                           | N                                          | Y                              | 206                                 | 75                                                      | N                                        |                                   |
| 3       | Concord Twp            | D            | ISTR-76-01  | Trib. to Kennebec River  | 0                                   | PER                                | B                                               | Y                                                           | N                                          | Y                              | 192                                 | 75                                                      | N                                        |                                   |
| 3       | Concord Twp            | D            | PSTR-77-01  | Trib. to Kennebec River  | 30                                  | PER                                | N/A                                             | Y                                                           | N                                          | Y                              | 209                                 | 75                                                      | N                                        | 171                               |
| 3       | Concord Twp            | D            | PSTR-77-02  | Trib. to Kennebec River  | 2                                   | PER                                | B                                               | Y                                                           | N                                          | Y                              | 293                                 | 75                                                      | N                                        | 171                               |
| 3       | Embden                 | D            | PSTR-83-01  | Trib. to Alder Brook     | 6                                   | PER                                | N/A                                             | Y                                                           | N                                          | Y                              | 364                                 | 75                                                      | Y                                        | 184                               |
| 3       | Embden                 | D            | PSTR-83-03  | Alder Brook              | 35                                  | PER                                | B                                               | Y                                                           | N                                          | Y                              | 81                                  | 75                                                      | Y                                        | 183                               |
| 3       | Embden                 | D            | PSTR-83-04  | Alder Brook              | 8                                   | PER                                | B                                               | Y                                                           | N                                          | Y                              | 615                                 | 75                                                      | N                                        | 184                               |
| 3       | Embden                 | D            | PSTR-83-07  | Trib. to Alder Brook     | 2.5                                 | PER                                | B                                               | Y                                                           | N                                          | Y                              | 93                                  | 75                                                      | N                                        | 183                               |
| 3       | Embden                 | D            | PSTR-83-08  | Trib. to Alder Brook     | 6                                   | PER                                | N/A                                             | Y                                                           | N                                          | Y                              | 107                                 | 75                                                      | N                                        | 182, 183                          |
| 3       | Anson                  | D            | PSTR-89-01  | Jackin Brook             | 4.5                                 | PER                                | N/A                                             | Y                                                           | N                                          | Y                              | 348                                 | 75                                                      | N                                        | 196                               |
| 3       | Anson                  | D            | PSTR-90-02  | Carrabassett River       | 400                                 | PER                                | B                                               | Y                                                           | N                                          | Y                              | 193                                 | 75                                                      | N                                        | 199, 200                          |
| 3       | Anson                  | D            | PSTR-91-01  | Gilbert Brook            | 190                                 | PER                                | B                                               | Y                                                           | Y                                          | N/A                            | 242                                 | 75                                                      | N                                        | 201                               |
| 3       | Starks                 | D            | PSTR-96-01  | Trib. to Pelton Brook    | 20                                  | PER                                | B                                               | Y                                                           | Y                                          | Y                              | 340                                 | 75                                                      | Y                                        | 212                               |
| 3       | Starks                 | D            | PSTR-96-05  | Pelton Brook             | 30                                  | PER                                | B                                               | Y                                                           | Y                                          | Y                              | 300                                 | 75                                                      | N                                        | 213                               |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town     | MDIFW Region | Feature ID  | Stream Name <sup>1</sup>        | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|----------|--------------|-------------|---------------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 3       | Starks   | D            | PSTR-97-01  | Trib. to Pelton Brook           | 85                                  | PER                                | B                                               | Y                                                           | Y                                          | Y                              | 125                                 | 75                                                      | Y                                        | 214                               |
| 3       | Starks   | D            | PSTR-97-05  | Trib. to Cold Pond/Hilton Brook | 20                                  | PER                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 424                                 | 75                                                      | N                                        | 216                               |
| 3       | Starks   | D            | ISTR-100-01 | Trib. To Meadow Brook           | 2                                   | PER                                | B                                               | Y                                                           | Y                                          | N/A                            | 499                                 | 75                                                      | N                                        | 220                               |
| 3       | Starks   | D            | ISTR-100-02 | Trib. To Meadow Brook           | 2                                   | INT                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 454                                 | 75                                                      | N                                        | 221                               |
| 3       | Starks   | D            | ISTR-100-03 | Trib. To Meadow Brook           | 1                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 310                                 | 75                                                      | N                                        | 221                               |
| 3       | Industry | D            | PSTR-101-03 | Trib. to Josiah Brook           | 6                                   | PER                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 312                                 | 75                                                      | N                                        | 223                               |
| 3       | Industry | D            | ISTR-101-04 | Trib. to Josiah Brook           | 4                                   | PER                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 334                                 | 75                                                      | N                                        | 223                               |
| 3       | Industry | D            | PSTR-101-05 | Josiah Brook                    | 3                                   | PER                                | B                                               | Y                                                           | Y                                          | N/A                            | 208                                 | 75                                                      | Y                                        | 224                               |
| 3       | Industry | D            | ISTR-101-06 | Trib. to Josiah Brook           | 3                                   | INT                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 469                                 | 75                                                      | Y                                        | 224                               |
| 3       | Industry | D            | ISTR-102-01 | Trib. to Josiah Brook           | 8                                   | PER                                | B                                               | Y                                                           | Y                                          | N/A                            | 216                                 | 75                                                      | N                                        | 225                               |
| 3       | Industry | D            | ISTR-102-02 | Trib. to Josiah Brook           | 5                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 270                                 | 75                                                      | Y                                        | 225                               |
| 3       | Industry | D            | ISTR-102-03 | Trib. to Goodrich Brook         | 3                                   | UNK                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 367                                 | 75                                                      | N                                        | 227                               |
| 3       | Industry | D            | ISTR-103-10 | Trib. to Goodrich Brook         | 4                                   | UNK                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 321                                 | 75                                                      | N                                        | 227                               |
| 3       | Industry | D            | PSTR-103-11 | Trib. to Goodrich Brook         | 7                                   | UNK                                | B                                               | Y                                                           | Y                                          | N/A                            | 349                                 | 75                                                      | N                                        | 228                               |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town       | MDIFW Region | Feature ID  | Stream Name <sup>1</sup> | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|------------|--------------|-------------|--------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 3       | Industry   | D            | PSTR-103-12 | Goodrich Brook           | 15                                  | PER                                | B                                               | Y                                                           | Y                                          | N/A                            | 245                                 | 75                                                      | N                                        | 229                               |
| 3       | Industry   | D            | PSTR-103-13 | Trib. to Goodrich Brook  | 7                                   | UNK                                | B                                               | Y                                                           | Y                                          | N/A                            | 104                                 | 75                                                      | N                                        | 229                               |
| 3       | Industry   | D            | PSTR-103-14 | Trib. to Goodrich Brook  | 8                                   | UNK                                | B                                               | Y                                                           | Y                                          | N/A                            | 131                                 | 75                                                      | N                                        | 229                               |
| 3       | Industry   | D            | ISTR-103-15 | Trib. to Goodrich Brook  | 3                                   | UNK                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 38                                  | 75                                                      | N                                        | 227                               |
| 3       | Industry   | D            | ISTR-103-16 | Trib. to Goodrich Brook  | 5                                   | UNK                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 362                                 | 75                                                      | N                                        | 227                               |
| 3       | Industry   | D            | ISTR-104-02 | Trib. to Goodrich Brook  | 4                                   | UNK                                | B                                               | Y                                                           | Y                                          | N/A                            | 146                                 | 75                                                      | N                                        | 230                               |
| 3       | Industry   | D            | PSTR-104-04 | Trib. to Goodrich Brook  | 6                                   | UNK                                | B                                               | Y                                                           | Y                                          | N/A                            | 135                                 | 75                                                      | Y                                        | 230                               |
| 3       | New Sharon | D            | PSTR-105-01 | Muddy Brook              | 40                                  | PER                                | B                                               | Y                                                           | Y                                          | N/A                            | 521                                 | 75                                                      | N                                        | 232                               |
| 3       | Farmington | D            | ISTR-107-01 | Trib. to Beales Brook    | 1.5                                 | UNK                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 280                                 | 75                                                      | N                                        | 238                               |
| 3       | Farmington | D            | PSTR-107-02 | Trib. to Beales Brook    | 3.5                                 | UNK                                | B                                               | Y                                                           | Y                                          | N/A                            | 116                                 | 75                                                      | Y                                        | 237                               |
| 3       | Farmington | D            | ISTR-107-03 | Trib. to Beales Brook    | 1                                   | UNK                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 275                                 | 75                                                      | N                                        | 236, 237                          |
| 3       | Farmington | D            | PSTR-107-04 | Beales Brook             | 5                                   | PER                                | B                                               | Y                                                           | Y                                          | N/A                            | 335                                 | 75                                                      | N                                        | 236                               |
| 3       | Farmington | D            | ISTR-108-05 | Trib. to Cascade Brook   | 1.5                                 | UNK                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 29                                  | 75                                                      | N                                        | 239                               |
| 3       | Farmington | D            | ISTR-108-06 | Trib. to Cascade Brook   | 1.5                                 | UNK                                | B                                               | Y                                                           | Y                                          | N/A                            | 317                                 | 75                                                      | N                                        | 239                               |
| 3       | Farmington | D            | ISTR-108-07 | Trib. to Cascade Brook   | 4                                   | UNK                                | B                                               | Y                                                           | Y                                          | N/A                            | 91                                  | 75                                                      | N                                        | 239, 240                          |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town         | MDIFW Region | Feature ID  | Stream Name <sup>1</sup> | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|--------------|--------------|-------------|--------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 3       | Farmington   | D            | ISTR-108-08 | Trib. to Cascade Brook   | 1.5                                 | UNK                                | B                                               | Y                                                           | Y                                          | N/A                            | 62                                  | 75                                                      | N                                        | 239                               |
| 3       | Farmington   | D            | ISTR-108-09 | Trib. to Cascade Brook   | 1                                   | UNK                                | B                                               | Y                                                           | Y                                          | N/A                            | 404                                 | 75                                                      | N                                        | 239                               |
| 3       | Farmington   | D            | ISTR-109-01 | Trib. to Cascade Brook   | 3                                   | UNK                                | B                                               | Y                                                           | Y                                          | N/A                            | 162                                 | 75                                                      | N                                        | 241                               |
| 3       | Farmington   | D            | PSTR-109-02 | Cascade Brook            | 8                                   | PER                                | B                                               | Y                                                           | Y                                          | N/A                            | 113                                 | 75                                                      | N                                        | 242                               |
| 3       | Farmington   | D            | ISTR-109-03 | Trib. to Cascade Brook   | 3                                   | UNK                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 386                                 | 75                                                      | Y                                        | 241                               |
| 3       | Farmington   | D            | PSTR-110-   | Sandy River              | 70                                  | PER                                | B                                               | Y                                                           | Y                                          | N/A                            | 136                                 | 75                                                      | N                                        | 242, 243                          |
| 3       | Farmington   | D            | ISTR-111-02 | Trib. to Wilson Stream   | 3.5                                 | UNK                                | N/A                                             | Y                                                           | Y                                          | Y                              | 240                                 | 75                                                      | N                                        | 246, 247                          |
| 3       | Farmington   | D            | ISTR-111-03 | Trib. to Wilson Stream   | 4                                   | UNK                                | N/A                                             | Y                                                           | Y                                          | Y                              | 51                                  | 75                                                      | N                                        | 246                               |
| 3       | Farmington   | D            | PSTR-112-02 | Trib. to Wilson Stream   | 6                                   | UNK                                | N/A                                             | Y                                                           | Y                                          | Y                              | 77                                  | 75                                                      | N                                        | 247, 248                          |
| 3       | Farmington   | D            | PSTR-112-03 | Wilson Stream            | 40                                  | UNK                                | C                                               | Y                                                           | Y                                          | Y                              | 61                                  | 75                                                      | N                                        | 247                               |
| 3       | Jay          | D            | PSTR-114-01 | Trib. to Wilson Stream   | 8                                   | UNK                                | B                                               | Y                                                           | Y                                          | Y                              | 169                                 | 75                                                      | Y                                        | 253                               |
| 3       | Chesterville | D            | PSTR-114-05 | Trib. to Wilson Stream   | 25                                  | UNK                                | B                                               | Y                                                           | Y                                          | Y                              | 243                                 | 75                                                      | Y                                        | 252                               |
| 3       | Chesterville | D            | ISTR-114-06 | Trib. to Wilson Stream   | 5                                   | UNK                                | B                                               | Y                                                           | Y                                          | Y                              | 391                                 | 75                                                      | N                                        | 252                               |
| 3       | Chesterville | D            | PSTR-114-07 | Trib. to Wilson Stream   | 5                                   | PER                                | B                                               | Y                                                           | Y                                          | Y                              | 85                                  | 75                                                      | Y                                        | 252, 253                          |
| 3       | Jay          | D            | ISTR-116-03 | Trib. to Sugar Brook     | 2                                   | UNK                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 35                                  | 75                                                      | Y                                        | 256                               |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town   | MDIFW Region | Feature ID  | Stream Name <sup>1</sup>    | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|--------|--------------|-------------|-----------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 3       | Jay    | D            | PSTR-116-04 | Sugar Brook                 | 3.5                                 | PER                                | B                                               | Y                                                           | Y                                          | N/A                            | 302                                 | 75                                                      | Y                                        | 257                               |
| 3       | Jay    | D            | PSTR-117-02 | Trib. To Fuller Brook       | 5                                   | UNK                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 98                                  | 75                                                      | N                                        | 258, 259                          |
| 3       | Jay    | D            | ISTR-117-03 | Trib. To Fuller Brook       | 4                                   | UNK                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 53                                  | 75                                                      | N                                        | 259                               |
| 3       | Jay    | D            | PSTR-117-   | Fuller Brook                | 3                                   | PER                                | B                                               | Y                                                           | Y                                          | N/A                            | 37                                  | 75                                                      | N                                        | 260                               |
| 3       | Jay    | D            | PSTR-118-   | Fuller Brook                | 15                                  | PER                                | B                                               | Y                                                           | Y                                          | N/A                            | 492                                 | 75                                                      | N                                        | 262                               |
| 3       | Jay    | D            | PSTR-119-01 | James Brook                 | 15                                  | PER                                | B                                               | Y                                                           | Y                                          | N/A                            | 130                                 | 75                                                      | Y                                        | 263                               |
| 3       | Embden | D            | ISTR-85-01  | Trib. to Jackin Brook       | 2                                   | UNK                                | B                                               | Y                                                           | N                                          | Y                              | 175                                 | 75                                                      | N                                        | 187                               |
| 3       | Anson  | D            | ISTR-89-03  | Trib. to Fahi Brook         | 3.5                                 | INT                                | B                                               | Y                                                           | N                                          | N/A                            | 328                                 | 75                                                      | N                                        | 196                               |
| 3       | Anson  | D            | PSTR-90-01  | Trib. to Carrabassett River | 5.5                                 | UNK                                | B                                               | Y                                                           | N                                          | N/A                            | 373                                 | 75                                                      | N                                        | 198                               |
| 3       | Anson  | D            | ISTR-90-04  | Trib. to Carrabassett River | 1.5                                 | UNK                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 165                                 | 75                                                      | N                                        | 200                               |
| 3       | Anson  | D            | ISTR-92-01  | Trib. to Carrabassett River | 2                                   | INT                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 332                                 | 75                                                      | N                                        | 204                               |
| 3       | Anson  | D            | ISTR-92-02  | Trib. to Carrabassett River | 1.5                                 | INT                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 307                                 | 75                                                      | N                                        | 204                               |
| 3       | Anson  | D            | PSTR-92-03  | Gilman Brook                | 20                                  | UNK                                | B                                               | Y                                                           | Y                                          | N/A                            | 305                                 | 75                                                      | N                                        | 205                               |
| 3       | Anson  | D            | ISTR-92-05  | Trib. to Gilman Brook       | 4.5                                 | UNK                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 365                                 | 75                                                      | N                                        | 205                               |
| 3       | Anson  | D            | PSTR-93-01  | Getchell Brook              | 15                                  | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 59                                  | 75                                                      | N                                        | 207, 208                          |
| 3       | Anson  | D            | ISTR-93-02  | Trib. to Getchell Brook     | 4                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 162                                 | 75                                                      | N                                        | 208                               |
| 3       | Anson  | D            | PSTR-93-03  | Trib. to Getchell Brook     | 2                                   | UNK                                | B                                               | Y                                                           | Y                                          | N/A                            | 413                                 | 75                                                      | N                                        | 208                               |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town            | MDIFW Region | Feature ID  | Stream Name <sup>1</sup> | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|-----------------|--------------|-------------|--------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 3       | Anson           | D            | ISTR-95-01  | Trib. to Kennebec River  | 2.5                                 | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 123                                 | 75                                                      | N                                        | 209, 210                          |
| 3       | Anson           | D            | ISTR-95-02  | Trib. to Kennebec River  | 6                                   | INT                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 416                                 | 75                                                      | N                                        | 209, 210                          |
| 3       | Anson           | D            | ISTR-95-03  | Trib. to Kennebec River  | 1                                   | UNK                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 504                                 | 75                                                      | N                                        | 210                               |
| 3       | Anson           | D            | ISTR-95-04  | Trib. to Kennebec River  | 1                                   | UNK                                | B                                               | Y                                                           | Y                                          | N/A                            | 412                                 | 75                                                      | N                                        | 210                               |
| 3       | Starks          | D            | PSTR-95-05  | Trib. to Kennebec River  | 2                                   | UNK                                | B                                               | Y                                                           | Y                                          | N/A                            | 119                                 | 75                                                      | N                                        | 210                               |
| 3       | Starks          | D            | PSTR-99-02  | Trib. to Lemon Stream    | 6                                   | UNK                                | B                                               | Y                                                           | Y                                          | Y                              | 43                                  | 75                                                      | Y                                        | 219                               |
| 3       | Starks          | D            | ISTR-99-03  | Trib. to Lemon Stream    | 1                                   | UNK                                | B                                               | Y                                                           | Y                                          | Y                              | 128                                 | 75                                                      | Y                                        | 219                               |
| 3       | Starks          | D            | ISTR-99-04  | Trib. to Lemon Stream    | 3                                   | UNK                                | B                                               | Y                                                           | Y                                          | Y                              | 125                                 | 75                                                      | N                                        | 219                               |
| 3       | Starks          | D            | PSTR-99-05  | Lemon Stream             | 55                                  | PER                                | B                                               | Y                                                           | Y                                          | Y                              | 116                                 | 75                                                      | N                                        | 219, 220                          |
| 3       | Starks          | D            | PSTR-99-06  | Trib. to Lemon Stream    | 6                                   | UNK                                | B                                               | Y                                                           | Y                                          | Y                              | 406                                 | 75                                                      | N                                        | 219                               |
| 3       | Starks          | D            | ISTR-99-07  | Lemon Stream             | 1                                   | UNK                                | N/A                                             | Y                                                           | Y                                          | Y                              | 206                                 | 75                                                      | N                                        | 220                               |
| 3       | Anson           | D            | WB-94-01    | Trib. to Getchell Brook  | 85                                  | Open Water                         | B                                               | Y                                                           | Y                                          | N/A                            | 299                                 | 75                                                      | N                                        | 208                               |
| 3       | Anson           | D            | ISTR-88-01  | Trib. to Fahie Brook     | 1                                   | INT                                | B                                               | Y                                                           | N                                          | N/A                            | 444                                 | 75                                                      | N                                        | 196                               |
| 3       | Industry        | D            | ISTR-104-01 | Trib. to Goodrich Brook  | 2                                   | INT                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 426                                 | 75                                                      | N                                        | 229                               |
| 3       | Livermore Falls | B            | ISTR-123-03 | Trib. to Clay Brook      | 4                                   | INT                                | B                                               | Y                                                           | N                                          | N/A                            | 150                                 | 75                                                      | N                                        | 272                               |



**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town            | MDIFW Region | Feature ID  | Stream Name <sup>1</sup>    | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|-----------------|--------------|-------------|-----------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 3       | Livermore Falls | B            | ISTR-128-02 | Trib. to Androscoggin River | 2                                   | INT                                | C                                               | Y                                                           | N                                          | N/A                            | 196                                 | 75                                                      | N                                        | 283                               |
| 3       | Livermore Falls | B            | ISTR-128-03 | Trib. to Androscoggin River | 2                                   | INT                                | C                                               | Y                                                           | N                                          | N/A                            | 157                                 | 75                                                      | N                                        | 283                               |
| 3       | Leeds           | B            | ISTR-135-02 | Trib. to Allen Stream       | 2                                   | INT                                | B                                               | Y                                                           | N                                          | N/A                            | 54                                  | 75                                                      | N                                        | 299                               |
| 3       | Leeds           | B            | ISTR-135-03 | Trib. to Allen Stream       | 2                                   | INT                                | B                                               | Y                                                           | N                                          | N/A                            | 153                                 | 75                                                      | N                                        | 299, 300                          |
| 3       | Greene          | A            | ISTR-139-03 | Trib. to Allen Pond         | 2                                   | INT                                | B                                               | Y                                                           | N                                          | N/A                            | 366                                 | 75                                                      | N                                        | 309                               |
| 3       | Greene          | A            | ISTR-140-02 | Trib. to Allen Pond         | 1.5                                 | INT                                | B                                               | Y                                                           | N                                          | N/A                            | 228                                 | 75                                                      | N                                        | 309                               |
| 3       | Greene          | A            | ISTR-140-07 | Trib. to Allen Pond         | 2                                   | INT                                | B                                               | Y                                                           | N                                          | N/A                            | 153                                 | 75                                                      | N                                        | 310, 311                          |
| 3       | Lewiston        | A            | ISTR-145-02 | Trib. to Stetson Brook      | 2                                   | INT                                | C                                               | Y                                                           | N                                          | Y                              | 157                                 | 75                                                      | N                                        | 322                               |
| 3       | Lewiston        | A            | ISTR-145-03 | Trib. to Stetson Brook      | 8                                   | INT                                | C                                               | Y                                                           | N                                          | N/A                            | 170                                 | 75                                                      | N                                        | 321                               |
| 3       | Lewiston        | A            | ISTR-146-04 | Trib. to Stetson Brook      | 2                                   | INT                                | C                                               | Y                                                           | N                                          | Y                              | 482                                 | 75                                                      | N                                        | 323                               |
| 3       | Starks          | D            | ISTR-96-03  | Trib. to Pelton Brook       | 2                                   | INT                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 186                                 | 75                                                      | N                                        | 212                               |
| 3       | Livermore Falls | B            | PSTR-121-03 | Trib. to Clay Brook         | 2                                   | PER                                | B                                               | Y                                                           | N                                          | N/A                            | 318                                 | 0                                                       | N                                        | 269                               |
| 3       | Livermore Falls | B            | PSTR-122-04 | Trib. to Clay Brook         | 2                                   | PER                                | B                                               | Y                                                           | N                                          | N/A                            | 271                                 | 75                                                      | N                                        | 269, 270                          |
| 3       | Livermore Falls | B            | PSTR-122-05 | Trib. to Clay Brook         | 6                                   | PER                                | B                                               | Y                                                           | N                                          | N/A                            | 295                                 | 0                                                       | N                                        | 269                               |
| 3       | Livermore Falls | B            | PSTR-122-06 | Trib. to Clay Brook         | 2                                   | PER                                | B                                               | Y                                                           | N                                          | N/A                            | 250                                 | 0                                                       | N                                        | 269                               |
| 3       | Livermore Falls | B            | PSTR-125-01 | Trib. to Androscoggin River | 2                                   | PER                                | C                                               | Y                                                           | N                                          | N/A                            | 303                                 | 75                                                      | N                                        | 276                               |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town            | MDIFW Region | Feature ID  | Stream Name <sup>1</sup>    | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|-----------------|--------------|-------------|-----------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 3       | Leeds           | B            | PSTR-135-01 | Trib. to Allen Stream       | 2                                   | PER                                | B                                               | Y                                                           | N                                          | N/A                            | 333                                 | 75                                                      | N                                        | 299                               |
| 3       | Greene          | A            | PSTR-144-02 | Trib. to Daggett Bog        | 2                                   | PER                                | B                                               | Y                                                           | N                                          | N/A                            | 76                                  | 75                                                      | N                                        | 319                               |
| 3       | Livermore Falls | B            | ISTR-125-06 | Trib. to Androscoggin River | 2                                   | UNK                                | C                                               | Y                                                           | N                                          | N/A                            | 244                                 | 75                                                      | N                                        | 277                               |
| 3       | Livermore Falls | B            | ISTR-126-06 | Trib. to Androscoggin River | 2                                   | UNK                                | C                                               | Y                                                           | N                                          | N/A                            | 422                                 | 75                                                      | N                                        | 279                               |
| 3       | Leeds           | B            | ISTR-134-01 | Trib. to Allen Stream       | 2                                   | UNK                                | B                                               | Y                                                           | N                                          | N/A                            | 131                                 | 75                                                      | N                                        | 298                               |
| 3       | Leeds           | B            | ISTR-134-02 | Trib. to Allen Stream       | 2.5                                 | INT                                | B                                               | Y                                                           | N                                          | N/A                            | 116                                 | 75                                                      | N                                        | 297                               |
| 3       | Leeds           | B            | ISTR-134-03 | Trib. to Allen Stream       | 2.5                                 | INT                                | B                                               | Y                                                           | N                                          | N/A                            | 51                                  | 75                                                      | N                                        | 297                               |
| 3       | Jay             | D            | ISTR-121-01 | Trib. to Clay Brook         | 3                                   | INT                                | B                                               | Y                                                           | N                                          | N/A                            | 227                                 | 0                                                       | N                                        | 268                               |
| 3       | Livermore Falls | B            | ISTR-123-02 | Trib. to Clay Brook         | 3                                   | INT                                | B                                               | Y                                                           | N                                          | N/A                            | 146                                 | 75                                                      | N                                        | 272                               |
| 3       | Livermore Falls | B            | ISTR-124-01 | Trib. to Androscoggin River | 3                                   | INT                                | C                                               | Y                                                           | N                                          | N/A                            | 279                                 | 75                                                      | N                                        | 274                               |
| 3       | Livermore Falls | B            | ISTR-124-02 | Trib. to Androscoggin River | 3                                   | INT                                | C                                               | Y                                                           | N                                          | N/A                            | 459                                 | 75                                                      | N                                        | 274                               |
| 3       | Livermore Falls | B            | ISTR-126-01 | Trib. to Androscoggin River | 3                                   | INT                                | C                                               | Y                                                           | N                                          | N/A                            | 297                                 | 75                                                      | N                                        | 279                               |
| 3       | Livermore Falls | B            | ISTR-127-03 | Trib. to Hunton Brook       | 30                                  | INT                                | B                                               | Y                                                           | N                                          | N/A                            | 539                                 | 75                                                      | N                                        | 282                               |
| 3       | Leeds           | B            | ISTR-130-02 | Trib. to Androscoggin River | 3                                   | INT                                | C                                               | Y                                                           | N                                          | N/A                            | 58                                  | 75                                                      | N                                        | 287                               |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town                | MDIFW Region | Feature ID  | Stream Name <sup>1</sup>    | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|---------------------|--------------|-------------|-----------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 3       | Leeds               | B            | ISTR-130-03 | Trib. to Androscoggin River | 3                                   | INT                                | C                                               | Y                                                           | N                                          | N/A                            | 330                                 | 75                                                      | Y                                        | 287, 288                          |
| 3       | Leeds               | B            | ISTR-131-02 | Trib. To Dead River         | 3                                   | INT                                | B                                               | Y                                                           | N                                          | N/A                            | 142                                 | 75                                                      | N                                        | 291                               |
| 3       | Leeds               | B            | ISTR-132-01 | Trib. To Dead River         | 3                                   | INT                                | B                                               | Y                                                           | N                                          | N/A                            | 190                                 | 75                                                      | N                                        | 292                               |
| 3       | Greene              | A            | ISTR-138-03 | Trib. to Allen Stream       | 3                                   | INT                                | B                                               | Y                                                           | N                                          | N/A                            | 295                                 | 75                                                      | N                                        | 306                               |
| 3       | Greene              | A            | ISTR-140-04 | Trib. to Allen Pond         | 3                                   | INT                                | B                                               | Y                                                           | N                                          | N/A                            | 215                                 | 75                                                      | N                                        | 309                               |
| 3       | Greene              | A            | ISTR-140-05 | Trib. to Allen Pond         | 3                                   | INT                                | B                                               | Y                                                           | N                                          | N/A                            | 199                                 | 75                                                      | N                                        | 309                               |
| 3       | Starks              | D            | ISTR-96-04  | Trib. to Pelton Brook       | 3                                   | INT                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 524                                 | 75                                                      | N                                        | 212                               |
| 3       | Jay/Livermore Falls | D            | PSTR-121-02 | Trib. to Clay Brook         | 3                                   | PER                                | B                                               | Y                                                           | N                                          | N/A                            | 138                                 | 0                                                       | N                                        | 268, 269                          |
| 3       | Jay                 | D            | PSTR-121-04 | Trib. to Clay Brook         | 3                                   | PER                                | B                                               | Y                                                           | N                                          | N/A                            | 92                                  | 0                                                       | N                                        | 267, 268, 269                     |
| 3       | Livermore Falls     | B            | PSTR-128-01 | Trib. to Androscoggin River | 3                                   | PER                                | C                                               | Y                                                           | N                                          | N/A                            | 108                                 | 75                                                      | Y                                        | 282, 283                          |
| 3       | Leeds               | B            | PSTR-133-01 | Trib. to Allen Stream       | 3                                   | PER                                | B                                               | Y                                                           | N                                          | N/A                            | 113                                 | 75                                                      | Y                                        | 295                               |
| 3       | Starks              | D            | PSTR-96-02  | Trib. to Pelton Brook       | 3                                   | PER                                | B                                               | Y                                                           | Y                                          | Y                              | 334                                 | 75                                                      | N                                        | 212                               |
| 3       | Livermore Falls     | B            | ISTR-123-01 | Trib. to Clay Brook         | 4                                   | INT                                | B                                               | Y                                                           | N                                          | N/A                            | 110                                 | 75                                                      | N                                        | 272                               |
| 3       | Livermore Falls     | B            | PSTR-125-02 | Trib. to Androscoggin River | 2                                   | INT                                | C                                               | Y                                                           | N                                          | N/A                            | 295                                 | 75                                                      | Y                                        | 277                               |
| 3       | Livermore Falls     | B            | ISTR-125-05 | Trib. to Androscoggin River | 4                                   | INT                                | C                                               | Y                                                           | N                                          | N/A                            | 319                                 | 75                                                      | N                                        | 277                               |
| 3       | Leeds               | B            | ISTR-131-01 | Trib. to Dead River         | 4                                   | INT                                | B                                               | Y                                                           | N                                          | N/A                            | 15                                  | 75                                                      | Y                                        | 289                               |
| 3       | Greene              | A            | ISTR-138-01 | Trib. to Allen Pond         | 4                                   | INT                                | B                                               | Y                                                           | N                                          | N/A                            | 24                                  | 75                                                      | N                                        | 307                               |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town            | MDIFW Region | Feature ID  | Stream Name <sup>1</sup>    | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|-----------------|--------------|-------------|-----------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 3       | Greene          | A            | ISTR-138-02 | Trib. to Allen Pond         | 4                                   | INT                                | B                                               | Y                                                           | N                                          | N/A                            | 194                                 | 75                                                      | N                                        | 307                               |
| 3       | Greene          | A            | ISTR-140-03 | Trib. to Allen Pond         | 6                                   | INT                                | B                                               | Y                                                           | N                                          | N/A                            | 174                                 | 75                                                      | Y                                        | 310                               |
| 3       | Greene          | A            | ISTR-141-02 | Trib. to Daggett Bog        | 4                                   | INT                                | B                                               | Y                                                           | N                                          | N/A                            | 200                                 | 75                                                      | N                                        | 312                               |
| 3       | Livermore Falls | B            | PSTR-126-02 | Trib. to Androscoggin River | 4                                   | PER                                | C                                               | Y                                                           | N                                          | N/A                            | 333                                 | 75                                                      | N                                        | 279                               |
| 3       | Livermore Falls | B            | PSTR-126-05 | Trib. to Androscoggin River | 4                                   | PER                                | C                                               | Y                                                           | N                                          | N/A                            | 346                                 | 75                                                      | N                                        | 279                               |
| 3       | Livermore Falls | B            | PSTR-127-02 | Trib. to Hunton Brook       | 30                                  | PER                                | B                                               | Y                                                           | N                                          | N/A                            | 426                                 | 75                                                      | N                                        | 281                               |
| 3       | Greene          | A            | PSTR-139-01 | Trib. to Allen Stream       | 4                                   | PER                                | B                                               | Y                                                           | N                                          | N/A                            | 351                                 | 75                                                      | Y                                        | 307                               |
| 3       | Greene          | A            | PSTR-139-02 | Trib. to Allen Stream       | 4                                   | PER                                | B                                               | Y                                                           | N                                          | N/A                            | 373                                 | 75                                                      | N                                        | 307                               |
| 3       | Greene          | A            | PSTR-140-06 | Trib to Allen Pond          | 4                                   | PER                                | B                                               | Y                                                           | N                                          | N/A                            | 354                                 | 75                                                      | N                                        | 310                               |
| 3       | Greene          | A            | PSTR-140-08 | Trib. to Allen Pond         | 4                                   | PER                                | B                                               | Y                                                           | N                                          | N/A                            | 139                                 | 75                                                      | Y                                        | 309                               |
| 3       | Greene          | A            | PSTR-140-09 | Trib. to Allen Pond         | 4                                   | PER                                | B                                               | Y                                                           | N                                          | N/A                            | 142                                 | 75                                                      | N                                        | 309                               |
| 3       | Lewiston        | A            | PSTR-145-01 | Trib. to Stetson Brook      | 4                                   | PER                                | C                                               | Y                                                           | N                                          | Y                              | 8                                   | 75                                                      | Y                                        | 321, 322                          |
| 3       | Anson           | D            | PSTR-89-02  | Trib. to Fahie Brook        | 5                                   | PER                                | B                                               | Y                                                           | N                                          | N/A                            | 503                                 | 75                                                      | N                                        | 196                               |
| 3       | Livermore Falls | B            | PSTR-122-02 | Trib. to Clay Brook         | 5                                   | PER                                | B                                               | Y                                                           | N                                          | N/A                            | 208                                 | 75                                                      | N                                        | 270                               |
| 3       | Livermore Falls | B            | PSTR-122-03 | Clay Brook/Redwater Brook   | 5                                   | PER                                | B                                               | Y                                                           | N                                          | N/A                            | 60                                  | 75                                                      | N                                        | 270, 271                          |
| 3       | Livermore Falls | B            | PSTR-126-03 | Trib. to Androscoggin River | 5                                   | PER                                | C                                               | Y                                                           | N                                          | N/A                            | 141                                 | 75                                                      | N                                        | 280                               |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town            | MDIFW Region | Feature ID  | Stream Name <sup>1</sup>    | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|-----------------|--------------|-------------|-----------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 3       | Lewiston        | A            | PSTR-146-03 | Trib. to Androscoggin River | 2                                   | PER                                | C                                               | Y                                                           | N                                          | N/A                            | 419                                 | 75                                                      | N                                        | 323                               |
| 3       | Lewiston        | A            | PSTR-146-05 | Trib. to Androscoggin River | 1                                   | PER                                | C                                               | Y                                                           | N                                          | N/A                            | 35                                  | 75                                                      | N                                        | 323                               |
| 3       | Starks          | D            | PSTR-96-06  | Pelton Brook                | 5                                   | PER                                | B                                               | Y                                                           | Y                                          | Y                              | 336                                 | 75                                                      | N                                        | 213                               |
| 3       | Leeds           | B            | PSTR-136-01 | Trib. to Androscoggin River | 6                                   | PER                                | B                                               | Y                                                           | N                                          | N/A                            | 194                                 | 75                                                      | Y                                        | 302                               |
| 3       | Greene          | A            | PSTR-140-01 | Allen Stream                | 6                                   | PER                                | B                                               | Y                                                           | N                                          | N/A                            | 323                                 | 75                                                      | N                                        | 310                               |
| 3       | Greene          | A            | PSTR-143-01 | Stetson Brook               | 6                                   | PER                                | B                                               | Y                                                           | N                                          | N/A                            | 26                                  | 75                                                      | Y                                        | 318                               |
| 3       | Greene          | A            | PSTR-144-01 | Trib. to Stetson Brook      | 6                                   | PER                                | B                                               | Y                                                           | N                                          | Y                              | 32                                  | 75                                                      | Y                                        | 318                               |
| 3       | Livermore Falls | B            | ISTR-126-04 | Trib. to Androscoggin River | 3                                   | INT                                | C                                               | Y                                                           | N                                          | N/A                            | 132                                 | 75                                                      | Y                                        | 280                               |
| 3       | Leeds           | B            | ISTR-130-01 | Trib. to Dead River         | 8                                   | INT                                | B                                               | Y                                                           | N                                          | N/A                            | 296                                 | 75                                                      | N                                        | 289                               |
| 3       | Leeds           | B            | PSTR-130-01 | Dead River                  | 60                                  | INT                                | B                                               | Y                                                           | N                                          | N/A                            | 91                                  | 75                                                      | N                                        | 289                               |
| 3       | Livermore Falls | B            | PSTR-122-01 | Trib. to Clay Brook         | 5                                   | PER                                | B                                               | Y                                                           | N                                          | N/A                            | 466                                 | 0                                                       | N                                        | 269, 270                          |
| 3       | Livermore Falls | B            | PSTR-122-07 | Trib. to Clay Brook         | 5                                   | PER                                | B                                               | Y                                                           | N                                          | N/A                            | 311                                 | 0                                                       | N                                        | 270                               |
| 3       | Greene          | A            | PSTR-143-02 | Stetson Brook               | 10                                  | PER                                | B                                               | Y                                                           | N                                          | N/A                            | 210                                 | 75                                                      | N                                        | 318                               |
| 3       | Livermore Falls | B            | PSTR-125-03 | Trib. to Androscoggin River | 2                                   | PER                                | C                                               | Y                                                           | N                                          | N/A                            | 42                                  | 75                                                      | N                                        | 277, 278                          |
| 3       | Livermore Falls | B            | PSTR-125-04 | Trib. to Androscoggin River | 4                                   | PER                                | C                                               | Y                                                           | N                                          | N/A                            | 191                                 | 75                                                      | N                                        | 277, 278                          |
| 3       | Livermore Falls | B            | PSTR-129-01 | Scott Brook                 | 20                                  | PER                                | B                                               | Y                                                           | N                                          | N/A                            | 166                                 | 75                                                      | N                                        | 285, 286                          |
| 3       | Livermore Falls | B            | PSTR-127-04 | Hunton Brook                | 4                                   | PER                                | B                                               | Y                                                           | N                                          | N/A                            | 106                                 | 75                                                      | N                                        | 281                               |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town     | MDIFW Region | Feature ID  | Stream Name <sup>1</sup>    | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|----------|--------------|-------------|-----------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 4       | Lewiston | A            | ISTR-153-01 | Trib. to Androscoggin River | 3                                   | UNK                                | C                                               | Y                                                           | Y                                          | N/A                            | 120                                 | 0                                                       | N                                        | 340                               |
| 4       | Durham   | A            | ISTR-156-02 | Trib. to Androscoggin River | 1                                   | INT                                | C                                               | Y                                                           | Y                                          | N/A                            | 103                                 | 0                                                       | N                                        | 346                               |
| 4       | Durham   | A            | ISTR-158-01 | Trib. to Libby Brook        | 15                                  | INT                                | B                                               | N                                                           | N                                          | N/A                            | 143                                 | 0                                                       | N                                        | 351                               |
| 4       | Durham   | A            | ISTR-158-02 | Trib. to Libby Brook        | 2                                   | INT                                | B                                               | N                                                           | N                                          | N/A                            | 134                                 | 0                                                       | N                                        | 351                               |
| 4       | Lewiston | A            | ISTR-155-01 | Trib. to Androscoggin River | 2                                   | INT                                | C                                               | Y                                                           | Y                                          | N/A                            | 127                                 | 0                                                       | N                                        | 343                               |
| 4       | Durham   | A            | ISTR-157-01 | Trib. to House Brook        | 1.5                                 | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 116                                 | 0                                                       | Y                                        | 348                               |
| 4       | Pownal   | A            | ISTR-161-04 | Trib. to Runaround Brook    | 6                                   | INT                                | B                                               | N                                                           | N                                          | N/A                            | 66                                  | 0                                                       | N                                        |                                   |
| 4       | Auburn   | A            | PSTR-156-01 | Trib. to Androscoggin River | 2                                   | PER                                | C                                               | Y                                                           | Y                                          | N/A                            | 211                                 | 0                                                       | N                                        | 345                               |
| 4       | Auburn   | A            | PSTR-156-03 | Trib. to Androscoggin River | 1                                   | PER                                | C                                               | Y                                                           | Y                                          | N/A                            | 91                                  | 0                                                       | N                                        | 346                               |
| 4       | Auburn   | A            | PSTR-156-04 | Trib. to Androscoggin River | 2                                   | PER                                | C                                               | Y                                                           | Y                                          | N/A                            | 165                                 | 0                                                       | Y                                        | 345                               |
| 4       | Auburn   | A            | PSTR-156-05 | Trib. to Androscoggin River | 2                                   | PER                                | C                                               | Y                                                           | Y                                          | N/A                            | 90                                  | 0                                                       | N                                        | 346                               |
| 4       | Auburn   | A            | PSTR-156-06 | Trib. to Androscoggin River | 2                                   | PER                                | C                                               | Y                                                           | Y                                          | N/A                            | 178                                 | 0                                                       | N                                        | 345                               |
| 4       | Auburn   | A            | PSTR-156-07 | Trib. to Androscoggin River | 2                                   | PER                                | C                                               | Y                                                           | Y                                          | N/A                            | 85                                  | 0                                                       | N                                        | 346                               |
| 4       | Durham   | A            | PSTR-157-02 | House Brook                 | 2                                   | PER                                | B                                               | Y                                                           | Y                                          | N/A                            | 105                                 | 0                                                       | Y                                        | 348                               |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town                | MDIFW Region | Feature ID  | Stream Name <sup>1</sup> | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|---------------------|--------------|-------------|--------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 4       | Lewiston            | A            | ISTR-150-02 | Trib. to No Name Brook   | 3                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 197                                 | 0                                                       | Y                                        | 333                               |
| 4       | Pownal              | A            | ISTR-161-02 | Trib. to Runaround Brook | 3                                   | INT                                | B                                               | N                                                           | N                                          | N/A                            | 117                                 | 0                                                       | Y                                        | 356                               |
| 4       | Lewiston            | A            | PSTR-146-01 | Trib. to Stetson Brook   | 4                                   | PER                                | B                                               | Y                                                           | N                                          | Y                              | 87                                  | 0                                                       | N                                        | 324                               |
| 4       | Lewiston            | A            | PSTR-146-02 | Trib. to Stetson Brook   | 4                                   | PER                                | B                                               | Y                                                           | N                                          | Y                              | 144                                 | 0                                                       | N                                        | 324                               |
| 4       | Lewiston            | A            | PSTR-152-01 | Trib. to No Name Brook   | 3                                   | PER                                | B                                               | Y                                                           | Y                                          | N/A                            | 58                                  | 0                                                       | N                                        | 337                               |
| 4       | Lewiston            | A            | PSTR-147-01 | Trib. to No Name Brook   | 3.5                                 | PER                                | C                                               | Y                                                           | Y                                          | N/A                            | 80                                  | 0                                                       | Y                                        | 326, 327                          |
| 4       | Lewiston            | A            | PSTR-148-01 | Trib. to No Name Pond    | 3.5                                 | PER                                | B                                               | Y                                                           | Y                                          | N/A                            | 87                                  | 0                                                       | Y                                        | 329                               |
| 4       | Lewiston            | A            | ISTR-150-01 | Trib. to No Name Brook   | 4                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 106                                 | 0                                                       | Y                                        | 332                               |
| 4       | Lewiston            | A            | PSTR-148-02 | Trib. to No Name Pond    | 4.5                                 | PER                                | B                                               | Y                                                           | Y                                          | N/A                            | 81                                  | 0                                                       | Y                                        | 329                               |
| 4       | Pownal              | A            | PSTR-161-01 | Runaround Brook          | 5                                   | PER                                | B                                               | N                                                           | N                                          | N/A                            | 15                                  | 0                                                       | N                                        | 358                               |
| 4       | Pownal              | A            | PSTR-161-03 | Runaround Brook          | 5                                   | PER                                | B                                               | N                                                           | N                                          | N/A                            | 472                                 | 0                                                       | N                                        | 358                               |
| 4       | Auburn              | A            | PSTR-155-02 | House Brook              | 8                                   | PER                                | B                                               | Y                                                           | Y                                          | N/A                            | 160                                 | 0                                                       | N                                        | 345                               |
| 4       | Durham              | A            | PSTR-160-01 | Runaround Brook          | 9                                   | PER                                | B                                               | N                                                           | N                                          | N/A                            | 108                                 | 0                                                       | Y                                        | 355                               |
| 4       | Durham              | A            | PSTR-160-03 | Trib. to Runaround Brook | 12                                  | PER                                | B                                               | N                                                           | N                                          | N/A                            | 105                                 | 0                                                       | N                                        | 355                               |
| 4       | Durham              | A            | PSTR-158-03 | Libby Brook              | 15                                  | PER                                | B                                               | N                                                           | N                                          | N/A                            | 47                                  | 0                                                       | Y                                        | 351, 352                          |
| 4       | Lewiston            | A            | PSTR-151-01 | No Name Brook            | 25                                  | PER                                | B                                               | Y                                                           | Y                                          | N/A                            | 83                                  | 0                                                       | N                                        | 334, 335                          |
| 4       | Lewiston            | A            | PSTR-147-02 | Stetson Brook            | 50                                  | PER                                | B                                               | Y                                                           | N                                          | Y                              | 86                                  | 0                                                       | N                                        | 325                               |
| 4       | Lewiston            | A            | PSTR-149-01 | No Name Brook            | 50                                  | PER                                | B                                               | Y                                                           | Y                                          | N/A                            | 90                                  | 0                                                       | N                                        | 330                               |
| 4       | Auburn/<br>Lewiston | A            | PSTR-155-03 | Androscoggin River       | 645                                 | PER                                | C                                               | Y                                                           | Y                                          | N/A                            | 104                                 | 0                                                       | N                                        | 344                               |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town       | MDIFW Region | Feature ID  | Stream Name <sup>1</sup>           | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|------------|--------------|-------------|------------------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 5       | Wiscasset  | B            | ISTR-183-01 | Trib. to Montsweag Brook           | 2                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 140                                 | 0                                                       | N                                        | 370                               |
| 5       | Wiscasset  | B            | ISTR-188-09 | Trib. to Back River/Montsweag Bay  | 3                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 15,281                              | 0                                                       | N                                        | 359                               |
| 5       | Whitefield | B            | PSTR-171-01 | Trib. to Sheepsfoot River          | 40                                  | PER                                | B                                               | Y                                                           | Y                                          | Y                              | 355                                 | 0                                                       | Y                                        | 397                               |
| 5       | Whitefield | B            | PSTR-172-02 | Trib. to Sheepsfoot River          | 20                                  | PER                                | B                                               | Y                                                           | Y                                          | Y                              | 101                                 | 0                                                       | N                                        | 395                               |
| 5       | Whitefield | B            | ISTR-166-01 | Trib. To Finn Brook                | 2                                   | UNK                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 140                                 | 0                                                       | N                                        | 408                               |
| 5       | Whitefield | B            | PSTR-166-   | Finn Brook                         | 5                                   | PER                                | A                                               | Y                                                           | Y                                          | Y                              | 395                                 | 0                                                       | Y                                        | 408                               |
| 5       | Whitefield | B            | PSTR-168-01 | East Branch Eastern River          | 11                                  | PER                                | B                                               | Y                                                           | Y                                          | N/A                            | 206                                 | 0                                                       | N                                        | 403                               |
| 5       | Whitefield | B            | PSTR-168-02 | East Branch Eastern River          | 3                                   | PER                                | B                                               | Y                                                           | Y                                          | N/A                            | 58                                  | 0                                                       | Y                                        | 403                               |
| 5       | Whitefield | B            | PSTR-169-01 | East Branch Eastern River          | 5                                   | PER                                | B                                               | Y                                                           | Y                                          | N/A                            | 149                                 | 0                                                       | Y                                        | 402                               |
| 5       | Whitefield | B            | ISTR-169-02 | Trib. to East Branch Eastern River | 2                                   | UNK                                | B                                               | Y                                                           | Y                                          | N/A                            | 296                                 | 0                                                       | N                                        | 402                               |
| 5       | Whitefield | B            | ISTR-169-03 | Trib. to East Branch Eastern River | 2                                   | UNK                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 178                                 | 0                                                       | Y                                        | 402                               |
| 5       | Whitefield | B            | ISTR-169-04 | Trib. to East Branch Eastern River | 1                                   | UNK                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 136                                 | 0                                                       | N                                        | 402                               |
| 5       | Whitefield | B            | PSTR-170-01 | East Branch Eastern River          | 9                                   | PER                                | B                                               | Y                                                           | Y                                          | N/A                            | 189                                 | 0                                                       | Y                                        | 399, 400                          |



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|---------|------------|--------------|-------------|------------------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 5       | Whitefield | B            | ISTR-170-02 | Trib. to East Branch Eastern River | 2                                   | INT                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 129                                 | 0                                                       | N                                        | 400                               |
| 5       | Whitefield | B            | PSTR-172-01 | Trib. to Sheepscot River           | 6                                   | PER                                | B                                               | Y                                                           | Y                                          | Y                              | 226                                 | 0                                                       | N                                        | 394                               |
| 5       | Whitefield | B            | PSTR-172-03 | Trib. to Sheepscot River           | 2                                   | UNK                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 320                                 | 0                                                       | N                                        | 396                               |
| 5       | Whitefield | B            | ISTR-173-01 | Trib. to Sheepscot River           | 3                                   | UNK                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 285                                 | 0                                                       | Y                                        | 392                               |
| 5       | Whitefield | B            | PSTR-174-01 | Trib. to Sheepscot River           | 6                                   | PER                                | B                                               | Y                                                           | Y                                          | Y                              | 333                                 | 0                                                       | Y                                        | 391                               |
| 5       | Whitefield | B            | ISTR-174-02 | Trib. to Sheepscot River           | 3                                   | UNK                                | B                                               | Y                                                           | Y                                          | Y                              | 385                                 | 0                                                       | Y                                        | 391                               |
| 5       | Whitefield | B            | PSTR-174-03 | Trib. to Sheepscot River           | 7                                   | PER                                | B                                               | Y                                                           | Y                                          | Y                              | 366                                 | 0                                                       | Y                                        | 389                               |
| 5       | Whitefield | B            | ISTR-174-04 | Trib. to Sheepscot River           | 1                                   | UNK                                | B                                               | Y                                                           | Y                                          | Y                              | 366                                 | 0                                                       | N                                        | 389                               |
| 5       | Whitefield | B            | ISTR-175-01 | Trib. to Sheepscot River           | 1                                   | UNK                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 218                                 | 0                                                       | Y                                        | 388                               |
| 5       | Whitefield | B            | PSTR-175-02 | Trib. to Sheepscot River           | 3                                   | UNK                                | B                                               | Y                                                           | Y                                          | Y                              | 201                                 | 0                                                       | Y                                        | 388                               |
| 5       | Alna       | B            | PSTR-176-01 | Trib. to Sheepscot River           | 5                                   | INT                                | B                                               | Y                                                           | Y                                          | Y                              | 209                                 | 0                                                       | Y                                        | 387                               |
| 5       | Alna       | B            | PSTR-177-01 | Trib. to Trout Brook               | 25                                  | PER                                | B                                               | Y                                                           | Y                                          | Y                              | 107                                 | 0                                                       | N                                        | 383                               |
| 5       | Alna       | B            | PSTR-178-   | Trout Brook                        | 8                                   | PER                                | A                                               | Y                                                           | Y                                          | Y                              | 264                                 | 0                                                       | N                                        | 381, 382                          |
| 5       | Alna       | B            | PSTR-178-   | Trout Brook                        | 15                                  | PER                                | A                                               | Y                                                           | Y                                          | Y                              | 133                                 | 0                                                       | N                                        | 381, 382                          |
| 5       | Alna       | B            | PSTR-179-02 | Trib. to Trout Brook               | 6                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 119                                 | 0                                                       | Y                                        | 379, 380                          |
| 5       | Alna       | B            | PSTR-179-03 | Trib. to Trout Brook               | 6                                   | PER                                | B                                               | Y                                                           | Y                                          | Y                              | 198                                 | 0                                                       | N                                        | 379                               |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town      | MDIFW Region | Feature ID  | Stream Name <sup>1</sup> | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|-----------|--------------|-------------|--------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 5       | Alna      | B            | ISTR-180-01 | Trib. to Trout Brook     | 1                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 112                                 | 0                                                       | N                                        | 377                               |
| 5       | Wiscasset | B            | ISTR-181-01 | Trib. to Ward Brook      | 3                                   | UNK                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 82                                  | 0                                                       | Y                                        | 374                               |
| 5       | Wiscasset | B            | ISTR-181-02 | Ward Brook               | 2                                   | UNK                                | B                                               | Y                                                           | Y                                          | N/A                            | 114                                 | 0                                                       | Y                                        | 374, 375                          |
| 5       | Wiscasset | B            | ISTR-182-01 | Trib. Ward Brook         | 4                                   | UNK                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 247                                 | 0                                                       | N                                        | 373                               |
| 5       | Wiscasset | B            | PSTR-183-02 | Trib. to Montsweag Brook | 0.5                                 | UNK                                | B                                               | Y                                                           | Y                                          | N/A                            | 39                                  | 0                                                       | Y                                        | 370                               |
| 5       | Wiscasset | B            | ISTR-183-03 | Trib. to Montsweag Brook | 2                                   | UNK                                | B                                               | Y                                                           | Y                                          | N/A                            | 94                                  | 0                                                       | N                                        | 370                               |
| 5       | Wiscasset | B            | ISTR-184-01 | Trib. to Montsweag Brook | 1.5                                 | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 140                                 | 0                                                       | N                                        | 369                               |
| 5       | Woolwich  | B            | ISTR-184-02 | Trib. to Montsweag Brook | 2.5                                 | UNK                                | N/A                                             | Y                                                           | Y                                          | N/A                            | 318                                 | 0                                                       | Y                                        | 367                               |
| 5       | Woolwich  | B            | ISTR-184-03 | Trib. To Montsweag Brook | 150                                 | UNK                                | B                                               | Y                                                           | Y                                          | N/A                            | 113                                 | 0                                                       | N                                        | 367, 368                          |
| 5       | Woolwich  | B            | ISTR-184-04 | Trib. to Montsweag Brook | 2.5                                 | UNK                                | B                                               | Y                                                           | Y                                          | N/A                            | 209                                 | 0                                                       | Y                                        | 367, 368                          |
| 5       | Wiscasset | B            | ISTR-184-05 | Trib. to Montsweag Brook | 3                                   | UNK                                | B                                               | Y                                                           | Y                                          | N/A                            | 253                                 | 0                                                       | N                                        | 369                               |
| 5       | Wiscasset | B            | ISTR-184-06 | Trib. to Montsweag Brook | 2                                   | UNK                                | B                                               | Y                                                           | Y                                          | N/A                            | 195                                 | 0                                                       | N                                        | 369                               |
| 5       | Wiscasset | B            | ISTR-184-08 | Montsweag Brook          | 25                                  | UNK                                | B                                               | Y                                                           | Y                                          | N/A                            | 55                                  | 0                                                       | Y                                        | 369                               |
| 5       | Wiscasset | B            | ISTR-184-09 | Montsweag Brook          | 30                                  | PER                                | B                                               | Y                                                           | Y                                          | N/A                            | 45                                  | 0                                                       | N                                        | 368, 369                          |
| 5       | Wiscasset | B            | ISTR-184-10 | Montsweag Brook          | 2.5                                 | PER                                | B                                               | Y                                                           | Y                                          | N/A                            | 66                                  | 0                                                       | N                                        | 368                               |
| 5       | Woolwich  | B            | ISTR-185-02 | Trib. to Montsweag Brook | 2.5                                 | UNK                                | B                                               | Y                                                           | Y                                          | N/A                            | 28                                  | 0                                                       | N                                        | 366                               |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town      | MDIFW Region | Feature ID  | Stream Name <sup>1</sup>           | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|-----------|--------------|-------------|------------------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 5       | Woolwich  | B            | ISTR-185-03 | Trib. to Montsweag Brook           | 1                                   | UNK                                | B                                               | Y                                                           | Y                                          | N/A                            | 23                                  | 0                                                       | N                                        | 366                               |
| 5       | Woolwich  | B            | ISTR-185-04 | Trib. to Montsweag Brook           | 1                                   | UNK                                | B                                               | Y                                                           | Y                                          | N/A                            | 37                                  | 0                                                       | N                                        | 366                               |
| 5       | Woolwich  | B            | ISTR-185-05 | Trib. to Montsweag Brook           | 1                                   | UNK                                | B                                               | Y                                                           | Y                                          | N/A                            | 62                                  | 0                                                       | Y                                        | 366                               |
| 5       | Woolwich  | B            | ISTR-185-06 | Trib. to Montsweag Brook           | 3                                   | UNK                                | B                                               | Y                                                           | Y                                          | N/A                            | 312                                 | 0                                                       | N                                        |                                   |
| 5       | Wiscasset | B            | ISTR-186-02 | Trib. to Chewonki Creek            | 1                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 4,335                               | 0                                                       | N                                        | 364                               |
| 5       | Wiscasset | B            | ISTR-187-01 | Trib. to Chewonki Creek            | 2.5                                 | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 6,250                               | 0                                                       | N                                        | 363                               |
| 5       | Wiscasset | B            | ISTR-187-02 | Trib. to Chewonki Creek            | 1.5                                 | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 6,262                               | 0                                                       | N                                        | 363                               |
| 5       | Wiscasset | B            | ISTR-187-03 | Trib. to Chewonki Creek            | 1.5                                 | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 6,300                               | 0                                                       | N                                        | 363                               |
| 5       | Wiscasset | B            | ISTR-187-05 | Trib. to Chewonki Creek            | 1                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 6,728                               | 0                                                       | N                                        | 362, 363                          |
| 5       | Wiscasset | B            | ISTR-187-07 | Trib. to Chewonki Creek            | 1                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 7,099                               | 0                                                       | N                                        | 362                               |
| 5       | Wiscasset | B            | ISTR-187-15 | Trib. to Back River/ Monstweag Bay | 1                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 10,413                              | 0                                                       | N                                        | 361                               |
| 5       | Wiscasset | B            | ISTR-187-16 | Trib. to Back River/ Monstweag Bay | 1                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 10,248                              | 0                                                       | N                                        | 361                               |
| 5       | Wiscasset | B            | ISTR-187-17 | Trib. to Back River/ Monstweag Bay | 1                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 10,265                              | 0                                                       | N                                        | 361                               |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town               | MDIFW Region | Feature ID  | Stream Name <sup>1</sup>           | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|--------------------|--------------|-------------|------------------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 5       | Wiscasset          | B            | ISTR-187-18 | Trib. to Back River/ Monstswag Bay | 1                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 10,246                              | 0                                                       | N                                        | 361                               |
| 5       | Wiscasset          | B            | ISTR-187-22 | Trib. to Chewonki Creek            | 1                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 7,549                               | 0                                                       | N                                        | 362                               |
| 5       | Wiscasset          | B            | ISTR-187-23 | Trib. to Back River/ Monstswag Bay | 2.5                                 | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 10,710                              | 0                                                       | N                                        | 361                               |
| 5       | Wiscasset          | B            | ISTR-188-05 | Trib. to Back River/ Monstswag Bay | 1                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 11,591                              | 0                                                       | N                                        | 360                               |
| 5       | Wiscasset          | B            | ISTR-188-06 | Trib. to Back River/ Monstswag Bay | 1                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 11,601                              | 0                                                       | N                                        | 360                               |
| 5       | Wiscasset          | B            | ISTR-186-03 | Trib. to Chewonki Creek            | 1.5                                 | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 3,628                               | 0                                                       | Y                                        | 364                               |
| 5       | Wiscasset          | B            | ISTR-186-04 | Trib. to Chewonki Creek            | 1.5                                 | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 3,810                               | 0                                                       | Y                                        | 364                               |
| 5       | Wiscasset/Woolwich | B            | ISTR-186-06 | Trib. to Montswag Brook            | 1.5                                 | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 1,334                               | 0                                                       | N                                        | 365                               |
| 5       | Wiscasset          | B            | ISTR-187-13 | Trib. to Chewonki Creek            | 2                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 7,645                               | 0                                                       | N                                        | 362                               |
| 5       | Wiscasset          | B            | ISTR-187-20 | Trib. to Chewonki Creek            | 1.5                                 | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 9,419                               | 0                                                       | N                                        | 361                               |
| 5       | Wiscasset          | B            | ISTR-187-21 | Trib. to Chewonki Creek            | 1.5                                 | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 9,380                               | 0                                                       | N                                        | 361                               |
| 5       | Wiscasset          | B            | PSTR-187-19 | Trib. to Chewonki Creek            | 1.5                                 | PER                                | B                                               | Y                                                           | Y                                          | N/A                            | 9,386                               | 0                                                       | N                                        | 361                               |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town      | MDIFW Region | Feature ID  | Stream Name <sup>1</sup>             | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|-----------|--------------|-------------|--------------------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 5       | Wiscasset | B            | PSTR-187-24 | Trib. to Chewonki Creek              | 1.5                                 | PER                                | B                                               | Y                                                           | Y                                          | N/A                            | 8,911                               | 0                                                       | N                                        | 361, 362                          |
| 5       | Windsor   | B            | ISTR-162-03 | Trib. to West Branch Sheepscot River | 2                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 339                                 | 0                                                       | N                                        | 417                               |
| 5       | Windsor   | B            | ISTR-162-04 | Trib. to West Branch Sheepscot River | 2                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 566                                 | 0                                                       | N                                        | 417                               |
| 5       | Windsor   | B            | ISTR-162-05 | Trib. to West Branch Sheepscot River | 2                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 628                                 | 0                                                       | N                                        | 417                               |
| 5       | Windsor   | B            | ISTR-162-08 | Trib. to West Branch Sheepscot River | 2                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 1,664                               | 0                                                       | N                                        |                                   |
| 5       | Wiscasset | B            | ISTR-187-06 | Trib. to Chewonki Creek              | 2                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 8,231                               | 0                                                       | N                                        | 362                               |
| 5       | Wiscasset | B            | ISTR-187-08 | Trib. to Chewonki Creek              | 2                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 7,599                               | 0                                                       | N                                        | 362                               |
| 5       | Wiscasset | B            | ISTR-187-09 | Trib. to Chewonki Creek              | 2                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 7,709                               | 0                                                       | N                                        | 362                               |
| 5       | Wiscasset | B            | ISTR-187-10 | Trib. to Chewonki Creek              | 2                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 7,607                               | 0                                                       | N                                        | 362                               |
| 5       | Wiscasset | B            | ISTR-187-11 | Trib. to Chewonki Creek              | 2                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 7,490                               | 0                                                       | N                                        | 362                               |
| 5       | Wiscasset | B            | ISTR-187-12 | Trib. to Chewonki Creek              | 2                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 7,409                               | 0                                                       | N                                        | 362                               |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town      | MDIFW Region | Feature ID  | Stream Name <sup>1</sup>                | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|-----------|--------------|-------------|-----------------------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 5       | Wiscasset | B            | ISTR-187-14 | Trib. to Chewonki Creek                 | 2                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 7,906                               | 0                                                       | N                                        | 362                               |
| 5       | Wiscasset | B            | ISTR-188-02 | Trib. to Back River/ Monstweag Bay      | 2                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 14,492                              | 0                                                       | N                                        | 359                               |
| 5       | Wiscasset | B            | ISTR-188-03 | Trib. to Back River/ Monstweag Bay      | 2                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 13,444                              | 0                                                       | N                                        | 359, 360                          |
| 5       | Wiscasset | B            | ISTR-188-07 | Trib. to Back River/ Monstweag Bay      | 2                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 14,547                              | 0                                                       | N                                        | 359                               |
| 5       | Windsor   | B            | PSTR-162-02 | Trib. to West Branch Sheepscot River    | 2                                   | PER                                | B                                               | Y                                                           | Y                                          | Y                              | 291                                 | 0                                                       | N                                        | 417                               |
| 5       | Windsor   | B            | PSTR-162-06 | Trib. to West Branch of Sheepscot River | 1.5                                 | PER                                | B                                               | Y                                                           | Y                                          | Y                              | 1,595                               | 0                                                       | N                                        |                                   |
| 5       | Wiscasset | B            | ISTR-186-05 | Trib. to Montweag Brook                 | 1.5                                 | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 2,386                               | 0                                                       | N                                        | 364, 365                          |
| 5       | Wiscasset | B            | ISTR-186-07 | Trib. to Montweag Brook                 | 3                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 2,193                               | 0                                                       | N                                        | 365                               |
| 5       | Wiscasset | B            | ISTR-188-01 | Trib. to Back River/ Monstweag Bay      | 3                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 15,388                              | 0                                                       | N                                        | 359                               |
| 5       | Wiscasset | B            | ISTR-188-08 | Trib. to Back River/ Monstweag Bay      | 3                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 12,829                              | 0                                                       | N                                        | 360                               |
| 5       | Wiscasset | B            | ISTR-186-01 | Trib. to Chewonki Creek                 | 4                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 5,614                               | 0                                                       | N                                        | 363                               |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town               | MDIFW Region | Feature ID  | Stream Name <sup>1</sup>             | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|--------------------|--------------|-------------|--------------------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 5       | Wiscasset          | B            | PSTR-188-04 | Trib. to Back River/ Monstsweg Bay   | 1                                   | PER                                | B                                               | Y                                                           | Y                                          | N/A                            | 12,450                              | 0                                                       | Y                                        | 360                               |
| 5       | Wiscasset          | B            | ISTR-187-04 | Trib. to Chewonki Creek              | 5                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 6,112                               | 0                                                       | N                                        | 363                               |
| 5       | Windsor            | B            | PSTR-162-01 | Trib. to West Branch Sheepscot River | 8                                   | PER                                | B                                               | Y                                                           | Y                                          | Y                              | 265                                 | 0                                                       | N                                        | 417                               |
| 5       | Windsor            | B            | PSTR-162-09 | Trib. to West Branch Sheepscot River | 3                                   | PER                                | B                                               | Y                                                           | Y                                          | Y                              | 158                                 | 0                                                       | N                                        | 416, 417                          |
| 5       | Windsor            | B            | PSTR-162-13 | Trib. to West Branch Sheepscot River | 1.5                                 | PER                                | B                                               | Y                                                           | Y                                          | Y                              | 778                                 | 0                                                       | N                                        | 417                               |
| 5       | Windsor            | B            | ISTR-162-07 | Trib. to West Branch Sheepscot River | 8                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 268                                 | 0                                                       | N                                        | 417                               |
| 5       | Windsor            | B            | ISTR-162-14 | Trib. to West Branch Sheepscot River | 8                                   | INT                                | B                                               | Y                                                           | Y                                          | N/A                            | 53                                  | 0                                                       | N                                        | 416                               |
| 5       | Windsor            | B            | PSTR-163-01 | Trib. to West Branch Sheepscot River | 40                                  | PER                                | AA                                              | Y                                                           | Y                                          | Y                              | 319                                 | 0                                                       | N                                        | 415                               |
| 5       | Woolwich           | B            | PSTR-185-01 | Trib. to Montsweg Brook              | 9.5                                 | PER                                | B                                               | Y                                                           | Y                                          | N/A                            | 559                                 | 0                                                       | N                                        | 365                               |
| 5       | Wiscasset/Woolwich | B            | PSTR-186-08 | Montsweg Brook                       | 17.5                                | PER                                | B                                               | Y                                                           | Y                                          | N/A                            | 1,219                               | 0                                                       | N                                        | 365                               |

**Exhibit 7-7: NECEC Waterbody Crossing Table**

| Segment | Town    | MDIFW Region | Feature ID  | Stream Name <sup>1</sup>             | Ave. Stream Width (ft) <sup>2</sup> | Stream Type (PER/INT) <sup>3</sup> | State Water Quality Classification <sup>4</sup> | Atlantic Salmon GOM DPS Critical Habitat (Y/N) <sup>5</sup> | Atlantic Salmon Habitat (Y/N) <sup>6</sup> | Brook Trout <sup>7</sup> (Y/N) | Nearest New Structure Location (ft) | Width of Additional Corridor Clearing <sup>8</sup> (ft) | Temp. Equip. Crossing <sup>9</sup> (Y/N) | Natural Resource Map/Sheet Number |
|---------|---------|--------------|-------------|--------------------------------------|-------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------|-----------------------------------|
| 5       | Windsor | B            | PSTR-162-12 | Trib. to West Branch Sheepscot River | 40                                  | PER                                | B                                               | Y                                                           | Y                                          | Y                              | 362                                 | 0                                                       | N                                        | 416                               |
| 5       | Windsor | B            | PSTR-163-02 | West Branch Sheepscot River          | 40                                  | PER                                | AA                                              | Y                                                           | Y                                          | Y                              | 51                                  | 0                                                       | N                                        | 414, 415, 416                     |