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May 3, 2023

Melanie A. Bachman, Esq.
Executive Director/Staff Attorney
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: Docket No. 508 - The United Illuminating Company Application for a Certificate of Environmental Compatibility and Public Need for the Milvon to West River Railroad Transmission Line 115-kV Rebuild Project

Dear Ms. Bachman:

On April 13, 2023, pursuant to Condition 2 of the Connecticut Siting Council's ("Council") August 18, 2022 Decision and Order regarding the Milvon to West River Railroad Transmission Line 115-kV Rebuild Project ("Project"), The United Illuminating Company ("UI" or the "Company") submitted the Development and Management Plan ("D&M Plan") for Segment 1: Elmwest Substation to West River Substation in the Cities of West Haven and New Haven to the Council. Volume 3 of the D&M Plan included UI's Species Protection Plan ("SPP") and UI's filing included a motion for confidential treatment related to two of the four attachments to the SPP (Volume 3, Attachment I, Attachments 1.1 and 1.2) (the "Motion").

UI now has removed the two potentially confidential attachments from the SPP and accordingly, UI respectfully withdraws the Motion and the version of the SPP that was included in the April 13, 2023 filing. Attached is an original and 15 copies of the SPP for the Council's review. This version of the SPP replaces the previously-filed SPP in its entirety.

Should the Council have any questions regarding this filing, please do not hesitate to contact me.

Very truly yours,

A handwritten signature in blue ink, appearing to read "Bruce L. McDermott".

Bruce L. McDermott

Enclosures

cc: Docket 508 Service List (w/o attachments)

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ATTACHMENT I

SPECIES PROTECTION PLAN
(Per CSC Docket 508, Condition 2(n))

April 2023

REVISED MAY 3, 2023

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- ATTACHMENT I.2 Herpetological Exclusionary Fencing Plans
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- ATTACHMENT I.4 CT DEEP NDDB Special Animal Survey Form

Milvon to West River Railroad Transmission Line 115-kV Rebuild Project

Species Protection Plan (Issued March 2023)

1. EXECUTIVE SUMMARY

The Milvon to West River Railroad Transmission Line 115-kV Rebuild Project (Project) proposed by The United Illuminating Company (UI) features construction along an approximate 9.5-mile stretch along the existing railroad corridor from Milford to New Haven, Connecticut. To ensure the appropriate protection of the surrounding environment, UI has conducted ongoing correspondence with the Connecticut Department of Energy and Environmental Protection (CT DEEP), the United States Army Corps of Engineers (USACE), the Connecticut Siting Council (CSC), and various protected species specialists with the proper credentials familiar with the Project area. With these coordination efforts, UI has received the latest Natural Diversity Database (NDDDB) Determination No. 202209567, previous NDDDB Determination No. 202073487, United States Department of the Interior Fish and Wildlife Service Official Species Lists in coordination with the USACE, and Project approval through CSC Docket No. 508.

The following Species Protection Plan (SPP) lists the sensitive species that exhibit potential to be within the Project location and best management practices (BMPs) and recommendations that were identified by CT DEEP, USACE, and the Project species specialists. The SPP is intended for use by the Project contractor(s), who will be responsible for implementing the BMPs, the Project Environmental Inspector(s), who will inspect and report on the BMPs, and the Project Species Protection Specialist(s) who will oversee the construction. Overall construction schedule restrictions, by species are summarized here:

Species	Construction Time Restriction
Plants	No structure replacements mid-July through October at Indian River or West River
Parker's pipewort Saltmarsh Bulrush	
Reptiles & Amphibians	None, if BMPs are followed (BMPs vary during species active and inactive seasons)
Eastern Box Turtle Northern Leopard Frog Northern Diamondback Terrapin	
Birds	
Seaside Sparrow Saltmarsh Sharp-tailed Sparrow Osprey Bald Eagle	April through August at Indian River if sparrow nest identified. May through July w/in 300' if active Osprey nest is identified unless waiver from DEEP obtained. No activity w/in 660' if active Bald Eagle nest is identified

Species	Construction Time Restriction
Mammals	Limit clearing of trees ≥ 3 " dbh from June - July
Northern Long-eared Bat	

Milvon to West River Railroad Transmission Line 115-kV Rebuild Project

Species Protection Plan

2. INTRODUCTION

This SPP provides the BMPs to be followed during all phases of Project Construction based on UI's CT DEEP NDDDB Determination No. 202209567, received February 8, 2023, and previous NDDDB Determination No. 202073487, received December 27, 2020, and additional ongoing correspondence with CT DEEP, USACE, CSC, and various biologists/experts familiar with the Project area.

Please note that the information included in the CT DEEP NDDDB Determination and this SPP are derived from CT DEEP NDDDB maps that represent approximate locations of endangered, threatened, and special concern species and significant natural communities in Connecticut. The locations of species and natural communities depicted on the NDDDB maps are based on data collected over the years by CT DEEP staff, scientists, conservation groups, and landowners. In some cases, an occurrence represents a location derived from literature, museum records, and specimens.

In addition to NDDDB identified species, UI performed an Osprey Consultation with the CT DEEP Bureau of Natural Resources Wildlife Division, osprey, bald eagle, and sparrow surveys, and botanical surveys. These identification and delineation processes guide the necessary measures that will be taken to protect and avoid adverse impacts to these species and will continue to be conducted as necessary throughout the duration of the Project.


In conjunction with the identified physical BMPs to be implemented, UI has retained various biological professionals during the Project planning phase and will utilize environmental inspectors and the experts onsite as necessary in areas of listed species habitat throughout the Project construction.

The SPP includes sections for Plants, Reptiles & Amphibians, Birds, and Mammals, and describes the species, approximate locations/habitats along the Project corridor, specific timeframes when the species are active or in bloom, BMPs, and photos for field identification. **Attachment I.1** provides a table listing, by species, seasonal construction restrictions in identified species habitats. To ensure the appropriate protection of reptiles and amphibians along the Project, herpetological related plans that identify the location of exclusionary fencing and that were produced by a herpetologist are attached. In the event a listed species is found in the Project area during construction, it will be immediately reported to UI's

representative (typically the Environmental Inspector(s), Species Protection Specialist(s), and/or construction manager) and the applicable CT DEEP NDDB form will be completed and submitted to the agency to supplement its database. Copies of these forms are provided as an attachment.

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PLANTS

 **Parker's Pipewort**

 **Saltmarsh Bulrush**

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State Endangered Parker’s Pipewort

Species	Habitat	Approximate Location on Project Corridor
Parker’s pipewort (<i>Eriocaulon parkeri</i>)	Muddy tidal shores of coastal estuaries	Indian River, Milford & West River, West Haven (not identified during botanical surveys)



Species	Blooming Season	Optimal Construction Season
Parker’s pipewort (<i>Eriocaulon parkeri</i>)	Late July through September	October through June

BMPs

- 🌱 All structure replacements outside of blooming season.
- 🌱 Temporary construction matting to access structure replacements.
- 🌱 No additional gravel or wood chips should be placed within the right-of-way; remove all wood chips and slash created.
- 🌱 Any Parker's pipewort identified must be immediately reported to UI's representative, who will coordinate with the Protected Species Specialist(s) for appropriate response actions, and to submit a Rare Plant Survey Form (see **Attachment I.3**) to CT DEEP as soon as possible.

State Special Concern Saltmarsh Bulrush

Species	Habitat	Approximate Location on Project Corridor
Saltmarsh bulrush (<i>Bolboschoenus novae-angliae</i>)	Brackish tidal marshes	Indian River, Milford & West River, West Haven (not identified during botanical surveys)






Species	Blooming Season	Optimal Construction Season
Saltmarsh bulrush (<i>Bolboschoenus novae-angliae</i>)	Mid July through October	November through June

BMPs

- 🌱 All structure replacements outside of blooming season.
- 🌱 Temporary construction matting to access structure replacements.
- 🌱 No additional gravel or wood chips should be placed within the right-of-way; remove all wood chips and slash created.
- 🌱 Any Saltmarsh bulrush identified must be immediately reported to UI's representative, who will coordinate with the Protected Species Specialist(s) for appropriate response actions, and to submit a Rare Plant Survey Form (see **Attachment I.3**) to CT DEEP as soon as possible.

REPTILES AND AMPHIBIANS

-  **Eastern Box Turtle**
-  **Northern Leopard Frog**
-  **Northern Diamondback Terrapin**

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General Notes

These general notes were provided by a herpetologist to ensure the appropriate protection of the listed reptiles and amphibians that exhibit potential to be within the Project location and include additional detail on isolation measures, contractor education, and reporting methods.

Although no habitat or current records for the northern or Atlantic coast leopard frogs occur within the Project area, protection measures have been included in this SPP and will be implemented in the appropriate locations along the Project corridor. These measures have been included to ensure the outmost confidence in the protection of listed species, and because the measures will provide protection of the various other species that may be encountered in the area.

1. Isolation Measures:

- a. Exclusionary fencing shall be installed prior to any construction activities, including equipment staging, tree-clearing, or ground disturbance, as depicted in the attached herpetological related plans (**Attachment I.2**). As construction progresses, the exclusionary fence may be modified/scaled back to encompass only active work areas thus, optimizing species range. When modifying the exclusionary fencing, UI will coordinate with the Project Protected Species Specialist for appropriate location.
- b. In circumstances where openings in the exclusionary fencing is necessary for accessibility, the fencing shall be closed with temporary silt fencing backed with hay bales or a plywood barrier at the completion of each day.
- c. The fencing must consist of non-reinforced conventional erosion control woven fabric, installed approximately six inches below surface grade and staked at seven to ten-foot intervals using four-foot oak stakes or an approved equivalent. In areas where the silt fence cannot be buried, the fencing should be placed with the buried flap facing the construction area and covered with six inches of crushed stone. The Contractor shall be responsible for daily inspections; a qualified Protected Species Specialist with the proper credentials shall conduct weekly inspections.
- d. No equipment, vehicles, or construction materials shall be stored outside of the exclusionary fencing.
- e. All exclusionary fencing, not being utilized for sediment and erosion control, shall be remove immediately upon the completion of construction.

2. Contractor Education:

- a. Prior to site work, the contractor shall attend a pre-construction meeting with a qualified Protected Species Specialist with the proper credentials consisting of an introductory meeting providing photos of herpetofauna that may be encountered along the site.
 - b. The education session shall also focus on means to discriminate between the species of concern and other native species.
 - c. The Contractor shall be provided with the contact information for the Project Protected Species Specialist, for immediate reporting following listed species encounters.
3. Reporting:
- a. The Project Protected Species Specialist will submit the necessary reports to CT DEEP.

State Special Concern Eastern Box Turtle

Species	Habitat	Approximate Location on Project Corridor
Eastern box turtle (Terrapene carolina carolina)	Well-drained forest bottomlands and open deciduous forests	BMPs to be used as depicted in the attached Exclusionary Fencing Plans



Species	Active Period	Optimal Construction Season
Eastern box turtle (Terrapene carolina carolina)	April through September	October through March

BMPs – (General)

- 🌿 Exclusionary fence to be installed along the perimeter of the work area to provide a barrier to the species (minimum 20” tall; inspected and maintained; no plastic or netted fencing allowed). Openings in the exclusionary fencing used for workday accessibility shall be closed with temporary fencing backed with hay bales or a plywood barrier at the completion of each day. Where the fence cannot be buried, it shall be placed with the buried flap facing the construction area and covered with six inches of crushed stone.
- 🌿 Crushed stone should be avoided as much as possible, with temporary mats utilized instead. No wood chips should be placed within the right-of-way; remove all wood chips and slash created.
- 🌿 All field personnel will receive training prior to construction.
- 🌿 Any Eastern box turtle identified must be removed from the active work site and immediately reported to UI’s representative, who will coordinate with the Protected Species Specialist(s) for appropriate response actions, and to submit a Special Animal Survey Form (see **Attachment I.4**) to CT DEEP as soon as possible.
- 🌿 No heavy equipment outside of exclusionary fencing.
- 🌿 Minimize ground disturbance and hand felling trees along forest edges; felling trees adjacent to watercourses away from the watercourse.

BMPs – (Active Period)

- 🌿 A Protected Species Specialist with the proper credentials must be available to ensure BMPs; Contractor to search work area each morning prior to construction activities.
- 🌿 All staging areas, outside of previously paved locations, regardless of the duration of time they will be utilized, must be reviewed to removed individuals and exclude them from reentry.
- 🌿 Special precautions to avoid degradation of any wetland habitats.

State Special Concern Northern & Atlantic Coast Leopard Frog

Species	Habitat	Approximate Location on Project Corridor
<p>Northern leopard frog <i>(Rana pipiens)</i></p>	<p>Open, grassy habitats along rivers, wetlands, ponds, and lakes</p>	<p>Locally extirpated; utilize below BMPs adjacent to West River</p>



Species	Active Period	Optimal Construction Season
<p>Northern leopard frog <i>(Rana pipiens)</i></p>	<p>Late March through Mid-October</p>	<p>October through February</p>

BMPs

- 🌱 All field personnel will receive training prior to construction.
- 🌱 Exclusionary fence to be installed along the perimeter of the work area to provide a barrier to the species (minimum 20” tall; inspected and maintained; no plastic or netted fencing allowed). Openings in the exclusionary fencing used for workday accessibility shall be closed with temporary fencing backed with hay bales or a plywood barrier at the completion of each day. Where the fence cannot be buried, it shall be placed with the buried flap facing the construction area and covered with six inches of crushed stone.
- 🌱 Temporary construction matting utilized.
- 🌱 No new gravel or hard surface should be placed in any floodplain or alluvial marsh in typical habitat.
- 🌱 Any Northern leopard frog identified must be immediately reported to UI’s representative, who will coordinate with the Protected Species Specialist(s) for appropriate response actions, and to submit a Special Animal Survey Form (see **Attachment I.4**) to CT DEEP as soon as possible.

State Special Concern Northern Diamondback Terrapin

Species	Habitat	Approximate Location on Project Corridor
Northern diamondback terrapin (<i>Malaclemys t. terrpain</i>)	Salt marshes, salt or brackish waters, mud flats, shallow bays, coves, and tidal estuaries	Gulf Pond and Indian River, as depicted in the attached Exclusionary Fencing Plans



Species	Active Period	Optimal Construction Season
Northern diamondback terrapin (<i>Malaclemys t. terrpain</i>)	April through October	November through March





BMPs – (General)

- 🌿 Exclusionary fence to be installed along the perimeter of the work area to provide a barrier to the species (minimum 20” tall; inspected and maintained; no plastic or netted fencing allowed). Openings in the exclusionary fencing used for workday accessibility shall be closed with temporary fencing backed with hay bales or a plywood barrier at the completion of each day. Where the fence cannot be buried, it shall be placed with the buried flap facing the construction area and covered with six inches of crushed stone.
- 🌿 All field personnel will receive training prior to construction.
- 🌿 Any Northern diamondback terrapin identified must be removed from the work site, but not from the immediate area, and immediately reported to UI’s representative, who will coordinate with the Protected Species Specialist(s) for appropriate response actions, and to submit a Special Animal Survey Form (see **Attachment I.4**) to CT DEEP as soon as possible.

BMPs – (Active Period)

- 🌿 A Protected Species Specialist with the proper credentials must be available to ensure BMPs; Contractor to search work area each morning prior to construction activities.
- 🌿 Ground disturbance in the area of Indian River, Milford shall be during the inactive period.
- 🌿 No vehicles or machinery outside of exclusionary fencing.
- 🌿 Special precautions to avoid harm to basking or foraging individuals shall be taken for any work conducted in the early morning and evening hours.

BIRDS

-  **Seaside Sparrow**
-  **Saltmarsh Sharp-tailed Sparrow**
-  **Osprey**
-  **Bald Eagle (not present in Project area at this time)**

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State Threatened Seaside Sparrow

Species	Habitat	Approximate Location on Project Corridor
Seaside sparrow (<i>Ammodramus maritimus</i>)	Salt marsh complexes	Indian River, Milford



Species	Active Period	Optimal Construction Season
Seaside sparrow (<i>Ammodramus maritimus</i>)	May through August	September through April

BMPs – (General)

- 🌿 Any Seaside Sparrow identified must be immediately reported to UI’s representative who will coordinate with the Protected Species Specialist(s) for appropriate response actions.
- 🌿 Schedule work during inactive period in Indian River Project area.

BMPs – (Active Period)

- 🌿 A protected species specialists with the proper credentials is to conduct nest surveys prior to construction activities if work is to occur between May 1st and August 31st; submit report to DEEP NDDB within 14 days of the survey.
- 🌿 No new excessive noise between April 15th and August 15th.
- 🌿 If a nest is identified, work shall halt until after August 31st.

State Special Concern Saltmarsh Sharp-tailed Sparrow

Species	Habitat	Approximate Location on Project Corridor
Saltmarsh sharp-tailed sparrow (<i>Ammodramus caudacutus</i>)	Salt marsh complexes	Indian River, Milford



Species	Active Period	Optimal Construction Season
Saltmarsh sharp-tailed sparrow (<i>Ammodramus caudacutus</i>)	May through August	September through April

BMPs – (General)

- 🌿 Any Saltmarsh Sharp-tailed Sparrow identified must be immediately reported to UI's representative who will coordinate with the Protected Species Specialist(s) for appropriate response actions.
- 🌿 Schedule work during inactive period in Indian River Project area.

BMPs – (Active Period)

- 🌿 A Protected Species Specialist to conduct nest surveys prior to construction activities if work is to occur between May 1st and August 31st; submit report to CT DEEP NDDB within fourteen days of the survey.
- 🌿 No new excessive noise between April 15th and August 15th.
- 🌿 If a nest is identified, work shall halt until after August 31st.

Osprey

Species	Habitat	Approximate Location on Project Corridor
Osprey (Pandion haliaetus)	Tall trees or snags near lakes, rivers, and coastal areas	Possible along Project Corridor



Species	Active Period	Optimal Construction Season
Osprey (Pandion haliaetus)	March through August	September through February

BMPs

- 🌍 Any Osprey identified must be immediately reported to UI's representative who will coordinate with the Protected Species Specialist(s) for appropriate response actions.
- 🌍 Conduct nest surveys prior to construction and Osprey breeding season; dismantle inactive existing nests that are on UI or CT DOT/MNR structures prior to the bird's returning to the area and during inactive nest season.
- 🌍 All work shall halt within 300-feet if an active nest is identified between May 1st and July 31st unless a waiver is obtained from CT DEEP.

MAMMALS

Northern Long-eared Bat

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Northern Long-eared Bat

Species	Habitat	Approximate Location on Project Corridor
Northern long-eared bat (<i>Myotis septentrionalis</i>)	Trees, snags, caves, mines (hibernacula)	Possible along Project corridor, although no known hibernacula is present west of New Haven



Species	Active Periods	Optimal Clearing Period
Northern long-eared bat (<i>Myotis septentrionalis</i>)	Active: April through October Pup: June through July	November through March August through May

Based on the current, March 21, 2023 US Fish and Wildlife Service (USFWS) Interim Consultation Framework* for the Northern Long-eared Bat, the Project area does not intersect an area where the species is likely to occur. Therefore, a "No Effect" determination is currently assumed for the Project activities. Note that BMPs related to the Northern Long-eared Bat are subject to change based on the final USFWS determination of effect for this species.

BMPs

- 🌿 Any Northern Long-eared Bat identified must be immediately reported to UI's representative who will coordinate with the Protected Species Specialist(s) for appropriate response actions.

**The final guidance for this species is currently under evaluation by USFWS. Under the current Interim Consultation Framework, the Project appears to have "no effect." However, should the regulatory requirements change UI will re-evaluate its Project against the requirements.*

ATTACHMENT I.1
PROJECT CONSTRUCTION
SPECIES TIMEFRAMES TABLE

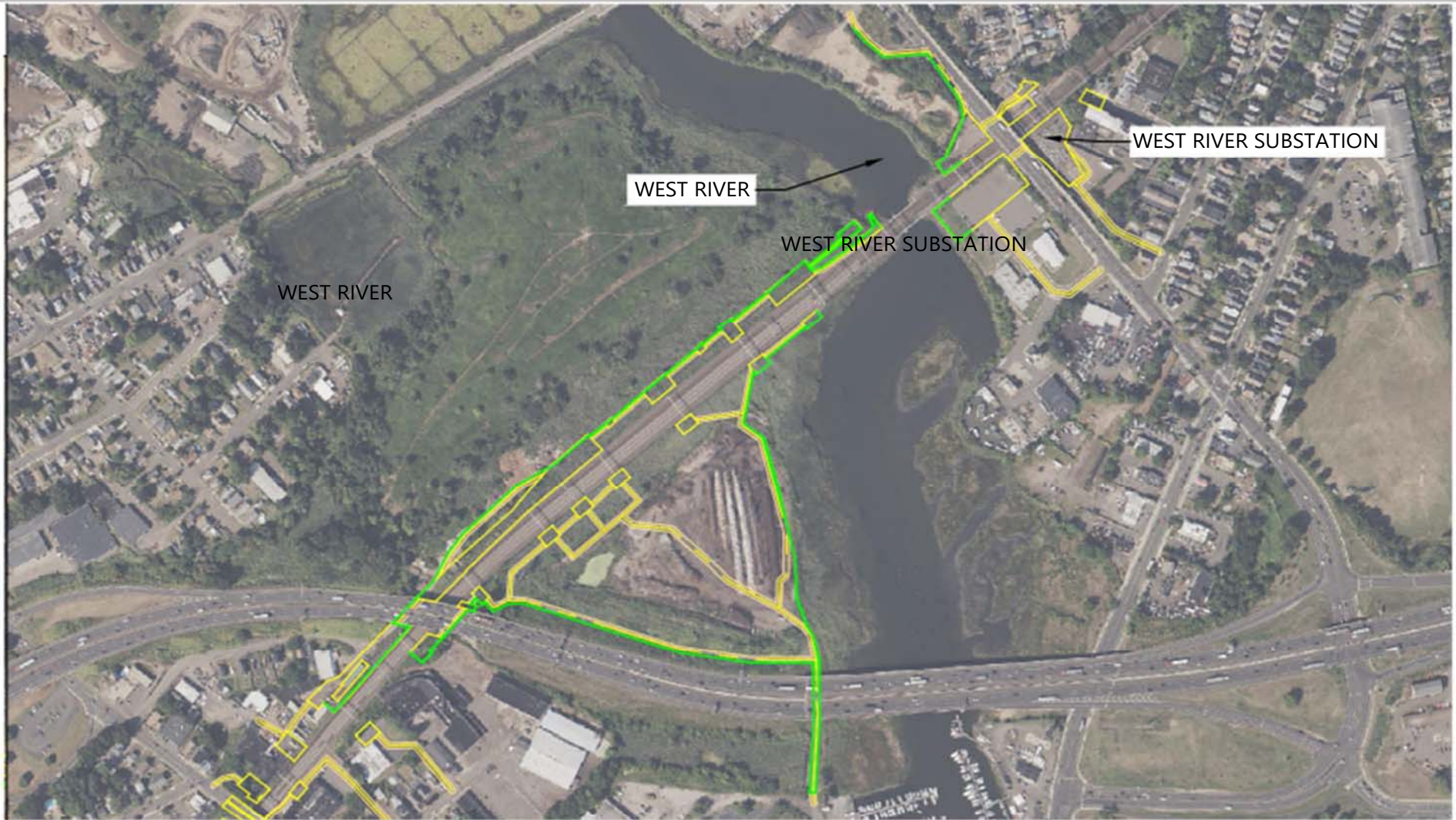
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Species Specific Seasonal Construction Restrictions

Species	Project Area where Timeframes & BMPs are Applicable	Construction Time Restrictions	BMPs
Plants			
Parker's Pipewort	Indian River: (P932N, P934N installations; B932N, B933N & S, B934N, B935N removals) West River: (P1043N, P1045N, P1047N, P1049N installations; removals N & S side east of I-95 to West River)	No structure replacements mid-July through October	All structure replacements outside of blooming season; temporary matting; no additional gravel; woodchips and slash removed; any identified to be reported to UI representative and to DEEP
Saltmarsh Bulrush			
Reptiles & Amphibians			
Eastern Box Turtle	As depicted in herpetological related plans	No time restrictions, if BMPs are followed (BMPs vary during species active and inactive seasons)	Temporary matting; no additional gravel; woodchips and slash removed; no heavy equipment outside of the exclusionary fencing; minimize ground disturbance and hand felling trees along forest edge while felling trees away from watercourses; contractor training; DEEP recognized professional available to ensure BMPs; Contractor on site to inspect active work and staging areas daily from April 1 - September 30; exclusionary fence installed along perimeter of active work area; avoid degradation of wetland habitats; any identified to be reported to UI representative and to DEEP
Northern & Atlantic Coast Leopard Frog	West River: (P1043N, P1045N, P1047N, P1049N installations; removals N & S side east of I-95 to West River)	No time restrictions, if BMPs are followed	Temporary matting; Contractor training; exclusionary fence installed along perimeter of active work area; daily sweeps of active work areas from March 1 - October 31; no new gravel, woodchips or slash in wetland or associated floodplain in typical habitat of the West River; any identified to be reported to UI representative and to DEEP
Northern Diamondback Terrapin	Indian River: (P932N, P934N installations; B932N, B933N & S, B934N, B935N removals)	No time restrictions, if BMPs are followed (BMPs vary during species active and inactive seasons)	Contractor training; DEEP recognized professional available to ensure BMPs; Contractor on site to inspect active work and staging areas daily from April 1 - November 1; exclusionary fence installed along perimeter of active work area; no vehicles or machinery outside of exclusionary fencing; special precautions to avoid harm to basking or foraging individuals for any work in the early morning and evening hours; any identified to be reported to UI representative and to DEEP
Birds			
Seaside Sparrow	Indian River: (P932N, P934N installations; B932N, B933N & S, B934N, B935N removals)	April - August if nest identified; BMPs to be followed at all times	DEEP recognized professional to conduct nest surveys prior to construction activities if work is to occur between May 1st and August 31st; submit report to DEEP within 14 days of survey (approach and timing of surveys TBD); avoid cutting trees between April 15 - August 15; do not introduce any new excessive noise between April 15 - August 15; any nests identified to be reported to UI representative
Saltmarsh Sharp-tailed Sparrow			
Osprey	Entire Project Area	May - July if work within 300' if active nest is identified unless DEEP waiver obtained; BMPs to be followed at all times	DEEP recognized professional to conduct nest surveys prior to construction activities; if feasible, the dismantling of any existing nests within the Project corridor to be conducted by UI prior to construction (a potential for nests to be present or rebuilt during construction); any nests identified to be reported to UI representative
Bald Eagle	Entire Project Area	No activity within 660' if active Bald Eagle is identified	DEEP recognized professional to conduct nest surveys prior to construction activities; additional BMPs TBD (at this time, no Bald Eagle nests were identified during nest surveys thus, no BMPs are required. Personnel will be trained to identify and report to UI's representative [Environmental Monitor(s) and Protected Species Specialist(s) or Construction Manager] any Bald Eagle nest sightings identified during construction)
Mammals			
Northern Long-eared Bat	Entire Project Area	Limit clearing of trees ≥3" dbh from June through July	If feasible, tree removal activities (trees of 3" or greater dbh) during November through March or August through May; any identified to be reported to UI representative

ATTACHMENT I.2
HERPETOLOGICAL EXCLUSIONARY FENCING
PLANS

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WEST RIVER

WEST RIVER SUBSTATION

WEST RIVER SUBSTATION

WEST RIVER

LEGEND

-  EXCLUSIONARY FENCING
-  PROPOSED TEMPORARY ACCESS ROAD
-  PROPOSED PERMANENT ACCESS ROAD TO REMAIN
-  PROPOSED WORK/PULLING CONSTRUCTION AREA

NOTES

1. BASE PLANS PREPARED BY WESTWOOD PROFESSIONAL SERVICES, 12/15/2022.
2. EXCLUSIONARY FENCING IS REQUIRED AS DEPICTED TO ISOLATE ACTIVE WORK AREAS FROM LISTED SPECIES THAT MAY BE PRESENT. SILT FENCING TO BE INSTALLED FOR EROSION AND SEDIMENT CONTROLS PURPOSES WILL SATISFY THIS REQUIREMENT. SEE EROSION AND SEDIMENT CONTROL PLANS PROVIDED AS PART OF THE SWPCP FOR SPECIFIC DETAILS REGARDING WHERE SILT FENCING AND REDUNDANT SEDIMENT CONTROLS ARE REQUIRED.

SEGMENT 1: ELMWEST SS TO WEST RIVER SS

SPECIES OF CONCERN:
NORTHERN DIAMOND-BACKED TERRAPIN

0 250' 500'



NORTH

HRP
MOVE YOUR ENVIRONMENT FORWARD
197 SCOTT SWAMP ROAD
FARMINGTON, CT 06032
(860) 674-9570
HRPASSOCIATES.COM

EXCLUSIONARY FENCING

MILVON TO WEST RIVER RAILROAD
TRANSMISSION LINE 115-KV
REBUILD PROJECT
MILFORD, ORANGE, WEST HAVEN, NEW HAVEN,
CONNECTICUT

1" = 500'
SCALE:
03/13/2023
ISSUE DATE:
UNI9212.EE
PROJECT NUMBER:

1
SHEET NO.



ALLINGS SUBSTATION

PHIPPS LAKE

LEGEND

-  EXCLUSIONARY FENCING
-  PROPOSED TEMPORARY ACCESS ROAD
-  PROPOSED PERMANENT ACCESS ROAD TO REMAIN
-  PROPOSED WORK/PULLING CONSTRUCTION AREA

NOTES

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SEGMENT 2: ALLINGS SS TO ELMWEST SS
SPECIES OF CONCERN:
GENERAL TURTLE SPECIES

0 250' 500'



NORTH



MOVE YOUR ENVIRONMENT FORWARD

197 SCOTT SWAMP ROAD
FARMINGTON, CT 06032
(860) 674-9570
HRPASSOCIATES.COM

EXCLUSIONARY FENCING

MILVON TO WEST RIVER RAILROAD
TRANSMISSION LINE 115-KV
REBUILD PROJECT
MILFORD, ORANGE, WEST HAVEN, NEW HAVEN,
CONNECTICUT

1" = 500'
SCALE:
03/13/2023
ISSUE DATE:
UNI9212.EE
PROJECT NUMBER:

2
SHEET NO.



LEGEND

- EXCLUSIONARY FENCING
- PROPOSED TEMPORARY ACCESS ROAD
- PROPOSED PERMANENT ACCESS ROAD TO REMAIN
- PROPOSED WORK/PULLING CONSTRUCTION AREA

NOTES

1. BASE PLANS PREPARED BY WESTWOOD PROFESSIONAL SERVICES, 12/15/2022.
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SEGMENT 3: MILVON SS TO WOODMONT SS

SPECIES OF CONCERN:
EASTERN BOX TURTLE

0 250' 500'



NORTH

EXCLUSIONARY FENCING

MILVON TO WEST RIVER RAILROAD
TRANSMISSION LINE 115-KV
REBUILD PROJECT
MILFORD, ORANGE, WEST HAVEN, NEW HAVEN,
CONNECTICUT

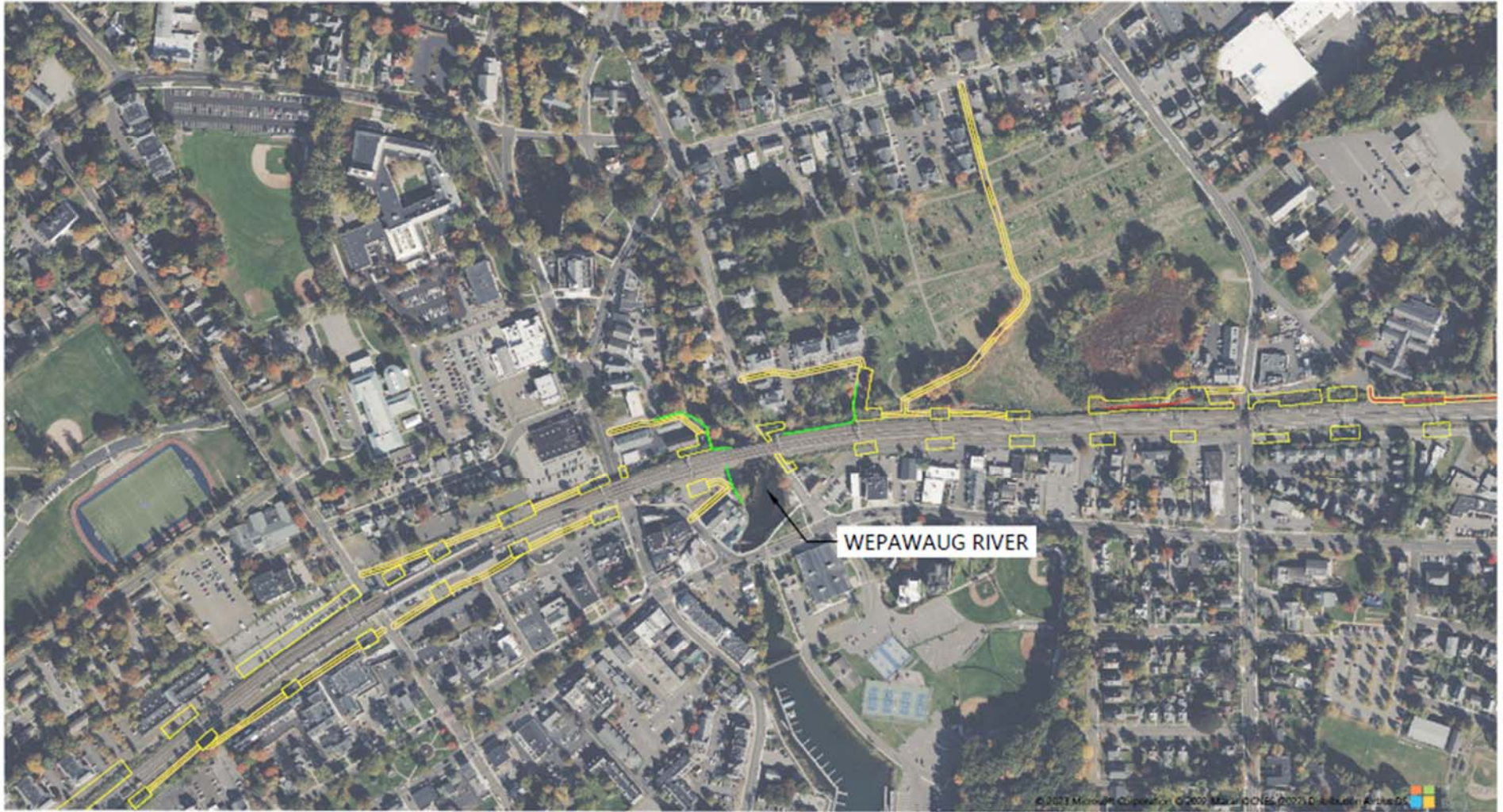
1" = 500'
SCALE:

03/13/2023
ISSUE DATE:

UNI9212.EE
PROJECT NUMBER:

3

SHEET NO.



LEGEND

-  EXCLUSIONARY FENCING
-  PROPOSED TEMPORARY ACCESS ROAD
-  PROPOSED PERMANENT ACCESS ROAD TO REMAIN
-  PROPOSED WORK/PULLING CONSTRUCTION AREA

NOTES

1. BASE PLANS PREPARED BY WESTWOOD PROFESSIONAL SERVICES, 12/15/2022.
2. EXCLUSIONARY FENCING IS REQUIRED AS DEPICTED TO ISOLATE ACTIVE WORK AREAS FROM LISTED SPECIES THAT MAY BE PRESENT. SILT FENCING TO BE INSTALLED FOR EROSION AND SEDIMENT CONTROLS PURPOSES WILL SATISFY THIS REQUIREMENT. SEE EROSION AND SEDIMENT CONTROL PLANS PROVIDED AS PART OF THE SWMCP FOR SPECIFIC DETAILS REGARDING WHERE SILT FENCING AND REDUNDANT SEDIMENT CONTROLS ARE REQUIRED.

SEGMENT 3: MILVON SS TO WOODMONT SS
SPECIES OF CONCERN:
NORTHERN DIAMOND-BACKED TERRAPIN

0 250' 500'



NORTH



197 SCOTT SWAMP ROAD
FARMINGTON, CT 06032
(860) 674-9570
HRPASSOCIATES.COM

EXCLUSIONARY FENCING

MILVON TO WEST RIVER RAILROAD
TRANSMISSION LINE 115-KV
REBUILD PROJECT
MILFORD, ORANGE, WEST HAVEN, NEW HAVEN,
CONNECTICUT

SCALE: 1" = 500'

ISSUE DATE: 03/13/2023

PROJECT NUMBER: UNI9212.EE

4

SHEET NO.



LEGEND

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-  PROPOSED TEMPORARY ACCESS ROAD
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SEGMENT 3: MILVON SS TO WOODMONT SS
SPECIES OF CONCERN:
NORTHERN DIAMOND-BACKED TERRAPIN

0 250' 500'



NORTH



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EXCLUSIONARY FENCING

MILVON TO WEST RIVER RAILROAD
TRANSMISSION LINE 115-KV
REBUILD PROJECT
MILFORD, ORANGE, WEST HAVEN, NEW HAVEN,
CONNECTICUT

1" = 500'

SCALE:

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ISSUE DATE:

UNI9212.EE
PROJECT NUMBER:

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SHEET NO.



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LEGEND

-  EXCLUSIONARY FENCING
-  PROPOSED TEMPORARY ACCESS ROAD
-  PROPOSED PERMANENT ACCESS ROAD TO REMAIN
-  PROPOSED WORK/PULLING CONSTRUCTION AREA

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SEGMENT 4: WOOLDONT SS TO ALLINGS SS
SPECIES OF CONCERN:
EASTERN BOX TURTLE

0 250' 500'



NORTH



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EXCLUSIONARY FENCING

MILVON TO WEST RIVER RAILROAD
TRANSMISSION LINE 115-KV
REBUILD PROJECT
MILFORD, ORANGE, WEST HAVEN, NEW HAVEN,
CONNECTICUT

1" = 500'
SCALE:
03/13/2023
ISSUE DATE:
UNI9212.EE
PROJECT NUMBER:

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SHEET NO.



© 2023 Microsoft Corporation © 2022 Maxar © CNES (2022) Distribution Airbus DS

LEGEND

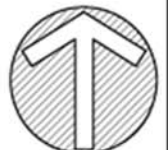
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-  PROPOSED PERMANENT ACCESS ROAD TO REMAIN
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SEGMENT 4: WOODMONT SS TO ALLINGS SS
SPECIES OF CONCERN:
EASTERN BOX TURTLE

0 250' 500'



NORTH

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EXCLUSIONARY FENCING

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SHEET NO.

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ATTACHMENT I.3
CT DEEP NDDB
RARE PLANT SURVEY FORM

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OFFICE USE ONLY		EO#:
SNAME:	SITE:	SURVEY DATE:
	TOWN:	ENTERED BY:

- New record
 Update

RARE PLANT SURVEY FORM

Natural Diversity Data Base
Connecticut Department of Environmental Protection
79 Elm Street, 6th Floor
Hartford, CT 06106-5127

*Please complete this form to the best of your ability.
Submit survey forms, maps, and all supporting documents to the address above.*

*SPECIES SCIENTIFIC NAME:	Element Occurrence (EO) # (if known):
----------------------------------	--

REPORTER INFORMATION	
Name(s):	
Address:	Telephone No:
	E-mail address:

SURVEY/SITE INFORMATION	
Site Name:	Survey Date(s):
Town(s):	County:
Directions to plant population, including best parking and access points. Please attach a map with boundaries drawn around observed plant populations (or surveyed area if plants not found).	

GPS Coordinates	Method Used to Determine Coordinates:
Latitude N	<input type="checkbox"/> GPS Unit GPS Make/Model:
Longitude W	<input type="checkbox"/> Mapping Software Software:
Coordinate system (NAD83 preferred):	<input type="checkbox"/> Online Maps Online site:

POPULATION DATA

Population Size	
Actual No. Observed	
Estimated No./Range	

What was counted?
(e.g. stems, clumps, floating masses, etc.)

Population Area	
Length (units)	
Width (units)	
Area (units)	

Evidence of disease, predation or injury? Yes No Explain:

Phenology			
	% In leaf		% Mature fruit
	% In flower bud		% Seed dispersing
	% In flower		% Dormant
	% Immature fruit		% Senescent

Age Structure	
	% Seedlings
	% Immature
	% Mature (established)
	% Senescent
	Age structure unknown

Vigor
<input type="checkbox"/> Very feeble
<input type="checkbox"/> Feeble
<input type="checkbox"/> Normal
<input type="checkbox"/> Vigorous
<input type="checkbox"/> Exceptionally vigorous

Comments on above:

HABITAT

Aspect		Slope	Light	Topographic Position	Moisture
<input type="checkbox"/> N	<input type="checkbox"/> NE	<input type="checkbox"/> 0-3%	<input type="checkbox"/> Open	<input type="checkbox"/> Crest	<input type="checkbox"/> Permanently Inundated
<input type="checkbox"/> E	<input type="checkbox"/> NW	<input type="checkbox"/> 3-8%	<input type="checkbox"/> Partial	<input type="checkbox"/> Upper Slope	<input type="checkbox"/> Seasonally Inundated/Exposed
<input type="checkbox"/> S	<input type="checkbox"/> SE	<input type="checkbox"/> 8-15%	<input type="checkbox"/> Filtered	<input type="checkbox"/> Mid-Slope	<input type="checkbox"/> Tidally Inundated/Exposed
<input type="checkbox"/> W	<input type="checkbox"/> SW	<input type="checkbox"/> 15-35%	<input type="checkbox"/> Shade	<input type="checkbox"/> Lower-Slope	<input type="checkbox"/> Saturated (Hydric)
<input type="checkbox"/> Flat		<input type="checkbox"/> 35% - vertical		<input type="checkbox"/> Bottom	<input type="checkbox"/> Moist (Mesic)
	° retrue N	Measured (° or %):		Other:	<input type="checkbox"/> Dry-Mesic
	° remag N	Horizontal shape (as for next item):			<input type="checkbox"/> Dry-Xeric
		Vertical shape (ie. Convex, concave, straight, variable):			Other:

Elevation: to feet meters

Soil/substrate name/description(give source):

Estimated # of acres of potential habitat in the immediate area: _____

Evidence of disturbance: fire logging disease insect damage windthrow invasives

Comments:

Associated natural/plant communities:

Associated plant species (separated strata, e.g. tree, shrub, herb layers):

IDENTIFICATION

Photograph taken?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Photo ID:
Specimen taken*	<input type="checkbox"/> Yes	<input type="checkbox"/> No	If yes, provide: Collector: Repository: Collection #:
Identification problems?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Explain:

*DEP Scientific Collection Permit is needed to collect specimens

CONSERVATION

Owner info:

Owner aware of EO? Yes No Unknown Owner protecting EO? Yes No Unknown

Threats to EO:

Conservation/
management needs:

Research needs:

SUPPORTING DOCUMENTS (please attach)

- Sketch map (showing finer detail than topo or aerial photo)
- Aerial photo map
- Topographic map (available at <http://www.econmap.com/magic/> OR <http://ctecoappl.uconn.edu/advancedviewer/>)
- Cross section of topography/habitat (include scale, direction, element position, description, and sub-occurrence ID[s], if needed)
- Photos Slides Field notes Route of survey map

ATTACHMENT I.4
CT DEEP NDDB
SPECIAL ANIMAL SURVEY FORM

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Natural Diversity Database

Special Animal Survey Form

This form is to be used to report a personal field sighting of an Endangered, Threatened, or Special Concern animal species tracked by the CT Natural Diversity Database (www.ct.gov/deep/endangeredspecies). Please provide a map indicating where the animal was observed and a photograph to confirm the identification of the animal. Only verifiable reports will be added to the database. For migratory species, breeding locations or concentration area records are preferred.

Species Name : _____	
Date of Observation	(month/day/year): _____ Time of Observation: _____
Name of Observer (s): _____	
Affiliation: _____	
Address: _____	
Telephone: _____	E-mail Address: _____
Location Information: In addition to the information below, please attach a map indicating the precise location where the species was observed. Be sure to include and label other landmarks to aid in identifying the site location. There is space below to draw a detailed sketch of the site.	
Town: _____	
Site Name: _____	Approx. Acres of Potential Habitat: _____
Directions to Site: Include parking options and best site access points.	
Coordinates (Optional) WGS84, Decimal Degrees	
(Using CTECO Simple Map Viewer , Search for site and zoom to a scale where desired features are clearly visible, use +XY tool and click on site to get coordinates)	
Lat: N _____	Long: W _____
Source of Coords (GPS or other map source): _____	
Property Ownership: If known, please provide landowner name, address, and phone number.	

Detailed Site Sketch:

Population Information:

Number of Individuals Observed/Estimated:

Include sex and age class if known _____

Has this species been observed on site previously? _____

Nature of Observation:

<input type="checkbox"/> Sight	<input type="checkbox"/> Capture*/Release+	<input type="checkbox"/> Dead
<input type="checkbox"/> Specimen Collected+	Repository:	
<input type="checkbox"/> Photograph Taken	<input type="checkbox"/> Other (Specify)	

*Method of Capture (net, pit-fall trap, hand collected, dip net/seine, trap, etc.): _____

+[DEEP Scientific Collection Permit](#) is needed for capture, marking, salvage, release or disturbance of animals.

Biology/Behavior:

Evidence of Reproduction: _____

Feeding _____

Other Behavior _____

Habitat/Site Description: (topography, plant communities, associated species, current land use)**Disturbance and Threats:** (describe any potential threats to the population or habitat)**Conservation/Management Needs:**

Please send the completed form to: CT Department of Energy & Environmental Protection, Natural Diversity Database-Wildlife Division, 79 Elm Street, 6th Floor, Hartford, CT 06106. Or email: deep.nddbrequest@ct.gov

April 2023