

56 Prospect Street P.O. Box 270 Hartford, CT 06141-0270

Deborah Denfeld Team Lead – Transmission Siting Tel: (860)-728-4654

April 12, 2024

Ms. Melanie Bachman, Esq. Executive Director Connecticut Siting Council Ten Franklin Square New Britain, CT 06051

Re: PETITION NO. 1614 - The Connecticut Light and Power Company d/b/a Eversource Energy petition for a declaratory ruling, pursuant to Connecticut General Statutes §4-176 and §16-50k, for the proposed Christian Street Junction to Stevenson Substation Rebuild Project on the 1580 and 1808 Lines in Monroe and Oxford, Connecticut – **Supplemental Information**

Dear Attorney Bachman:

In reference to Petition No. 1614 ("Petition"), as filed with the Connecticut Siting Council ("Council") on February 20, 2024, for the Christian Street Junction to Stevenson Substation Rebuild Project ("Project"), Eversource submits this Supplemental Information associated with corrections to wetlands and watercourse mapping and reporting.

Subsequent to the filing of the Petition and during the recent development of the Project's Stormwater Pollution Control Plan (SWPCP), Eversource discovered discrepancies in the wetland mapping and has since field reviewed wetland and watercourse delineations for the entire Project over the past few weeks. As a result, additional wetland areas and watercourses were identified in the March 2024 field review and are listed below by the type of revision:

- Wetland Boundary Revision: Wetlands W7, W19, W20, W21
- Wetland Not Previously Identified: Wetlands W8-1, W16-1, W17-1, W17-2, W17-3, W21-1, W22-1
- Watercourse Length Revision: Stream S10
- Watercourse Not Previously Identified: Streams S3-1, S7-1, S7-2, S7-3, S9-1

Wetland areas not previously identified are described in the Petition's *Revised Attachment D - Wetland Report*. The majority of recently identified and revised wetlands and watercourses are not affected by the proposed project activities; however, several revisions would increase proposed temporary wetland impacts by approximately 8,128 square feet and increase proposed permanent wetland impacts by approximately 65 square feet.

The wetland and watercourse mapping revisions are shown in the attached *Revised Attachment A - Map Sheets* and are listed in the Summary Table below:

	Summary Table of Wetland and Watercourse Revisions								
	Christian Street Junction to Stevenson Substation Rebuild Project								
Map Sheet	Wetland or Watercourse Revision Description	Impact of Proposed Project Activities to Revised Wetlands or Watercourses	Area of Temporary or Permanent Wetland or Watercourse Impact						
2 of 11	Expands the limit of Wetland W7 to the southeast		No impact						
3 of 11	Identifies Stream S3-1		No impact						
	Identifies Wetland W8-1		No impact						
6 of 11	Identifies Wetland W16-1		No impact						
	Identifies Wetland W17-1	Additional temporary construction matting around proposed replacement structure 19321 will have a temporary wetland impact and the structure itself a permanent wetland impact.							
	Identifies Wetland W17-2		No impact						
	Identifies Wetland W17-3		No impact						
	Identifies Stream S7-1		No impact						
	Identifies Stream S7-2		No impact						
	Identifies Stream S7-3		No impact						
7 of 11	Expands the limit of Wetland W19 to the southwest within the ROW, and separately to the north outside the ROW at the existing off- ROW access road	Additional temporary construction matting for an access road and for a portion of the work pad for the construction of proposed replacement structure 19314, as well as for vegetation management access, will result in a temporary wetland impact increase to W19 from 750 square feet to 6,429 square feet.	Temporary wetland impact increase: 5679 square feet						

8 of 11	Expands the limit of Wetland W20 to the southeast	Temporary construction matting will result in a temporary wetland impact increase to W20 from 2,867 square feet to 3,286 square feet.	Temporary wetland impact increase: 419 square feet
	Identifies Stream S9-1		No impact
9 of 11	Expands the limit of Wetland W21 to the northeast		No impact
	Expands the limit of Stream S10 to the northeast		No impact
	Identifies Wetland W21-1		No impact
	Identifies Wetland W22-1		No impact

In addition, there is also temporary construction matting proposed to be added southwest of W20 (Map Sheet 8) in place of gravel as originally proposed at structures 19309 and 19309A work pads. Matting will be used instead to protect a property owner's established lawn area within the ROW.

Eversource requests that the Council incorporate the *Revised Attachment A – Map Sheets, Revised Attachment D - Wetland Report*, and the revised temporary and permanent wetland impacts summarized above, as supplemental information in support of Petition No. 1614, which is currently pending Council review.

Eversource representatives have briefed officials in the towns of Oxford and Monroe concerning the revised mapping revisions to wetlands and watercourses, as well as temporary and permanent impacts as a result. In addition, Eversource provided the abutters with written notice of the filing of this Supplemental Information to Petition No. 1614.

Eversource apologies for any inconvenience resulting from this oversight and is initiating an investigation with Eversource's contractor as to the cause of the identified omissions and implementation of corrective action going forward.

One original and 15 hard copies of this supplemental information are being provided to the CSC. Should you or the Council members or Council staff have any questions regarding this supplemental information, please do not hesitate to contact me.

Sincerely,

Deborah Deufeld

Deborah Denfeld Team Lead – Transmission Siting <u>deborah.denfeld@eversource.com</u>

Cc: Kenneth M. Kellogg, First Selectman, Town of Monroe George R. Temple, First Selectman, Town of Oxford

Enclosures - Supplemental Information:

Revised Attachment A: Map Sheets

Revised Attachment D: Wetland Report

Revised Attachment A

Map Sheets

Christian Street Junction to Stevenson Substation Rebuild Project

Oxford and Monroe, CT Petition Map Set Date: February 15, 2024 REVISED Date: April 02, 2024



Map Sheets 1-11

Mapsheet 1 of 11

Christian Street Junction to Stevenson Substation Rebuild Project Town of Oxford, Connecticut

AREA DESCRIPTION

Existing Land Use & Resource Areas

- NEC Focus Area
- Residential
- Undeveloped, forest
- Floodway
- 100-Year Flood Zone • 500-Year Flood Zone
- Little River (S2)

RIGHT-OF-WAY DESCRIPTION

- <u>+</u> 110 Feet
- Gravel Access Roads
- Maintained

Water Resources

- Wetland W1, W2, W3, W4
- Wetland Cover Types Scrub-Shrub, Emergent
- Watercourses S1, S2 (Little River)

Wetland and Watercourse Crossings

- W2, W3
- S1, S2 (Little River)

Right-of-Way Vegetation

- Scrub-Shrub wetland
- Scrub-Shrub upland
- Emergent wetland
- Residential landscaping
- Pasture

Access to Existing Structures

- Structures 1436, 1435, 1435B: from Twin Brooks Road
- Structures 1434: from Oxford Road or Cortland Place

Road Crossings

- Twin Brooks Road (Private)
- Oxford Road (Route 67)

		1		
Line List	Parcel Address	City	State	Owner Name
200B-095	OXFORD RD	OXFORD	СТ	CROSS HOLLOW ASSOCIATES
200B-097	632 OXFORD RD	OXFORD	СТ	CARSON BRIAN K
200B-098	23 CHRISTIAN ST	OXFORD	СТ	CAIRL RENATA
200B-099	642 OXFORD RD	OXFORD	СТ	CONTI ERNEST D & CYNTHIA M
200B-100	652 OXFORD RD	OXFORD	СТ	KEDENBURG PATRICIA & PETRONIS PATRICIA
200B-101	656 OXFORD RD	OXFORD	СТ	CORNERSTONE ASSEMBLY OF GOD INC
200B-102	27 CHRISTIAN ST	OXFORD	СТ	MARKHAM ROBERT H & CINDY
200B-103	45 CHRISTIAN ST	OXFORD	СТ	SLATER LUKE
200B-104	47 CHRISTIAN ST	OXFORD	СТ	FANOTTO ZACHARY R
200B-105	51 CHRISTIAN ST	OXFORD	СТ	FORSTER SARAH
200B-106	OXFORD RD	OXFORD	СТ	CORNERSTONE ASSEMBLY OF GOD INC
200B-107	67 CHRISTIAN ST	OXFORD	СТ	BACHMAN JOHN J
200B-108	69 CHRISTIAN ST	OXFORD	СТ	PEREZ TOMAS R & CABRERA MILAGROS D
200B-109	73 CHRISTIAN ST	OXFORD	СТ	BONAVENTURA CODY & SAMANTHA



Mapsheet 2 of 11 Christian Street Junction to Stovenson Sul

Christian Street Junction to Stevenson Substation Rebuild Project Town of Oxford, Connecticut

AREA DESCRIPTION

Existing Land Use & Resource Areas

- NEC Focus Area
- NDDB Area (June 2023)
- Residential
- Undeveloped, forest
- Eversource Owned Property
- Little River (S2)
- Floodway
- 100-Year Flood Zone
- 500-Year Flood Zone

RIGHT-OF-WAY DESCRIPTION

- <u>+</u> 110 Feet
- Gravel Access Roads
- Maintained

Water Resources

- Wetland W4, W5, W6, W7, W8
- Wetland Cover Types Scrub-Shrub, Emergent
- Watercourses S2 (Little River), S3

Wetland and Watercourse Crossings

• W4, W5, W6, S3

Right-of-Way Vegetation

- Scrub-Shrub wetland
- Scrub-Shrub upland
- Emergent wetland

Access to Existing Structures

• Structures 1434: from Oxford Road

• Structures 1433, 1433B, 1432, 1431, 1430, 1429: from Oxford Road and Cortland Place

Road Crossings • Oxford Road (Route 67)

Line List	Parcel Address	City	State	Owner Name
200B-083	24 CORTLAND PL	OXFORD	СТ	GUERTIN CHRISTOPHER L & THERESA A
200B-092	OXFORD RD	OXFORD	СТ	CONNECTICUT LIGHT AND POWER COMPA
200B-093	OXFORD RD	OXFORD	СТ	PEREIRA ANTONIO JR & LIN JULIE
200B-095	OXFORD RD	OXFORD	СТ	CROSS HOLLOW ASSOCIATES
200B-097	632 OXFORD RD	OXFORD	СТ	CARSON BRIAN K
200B-673	637 OXFORD RD	OXFORD	СТ	DERBABIAN JAMES D & MARGARET D





Mapsheet 3 of 11 Christian Street Junction to Stevenson Substation Rebuild Project Town of Oxford, Connecticut

AREA DESCRIPTION

Existing Land Use & Resource Areas

- NEC Focus Area
- NDDB Area (June 2023)
- Residential
- Undeveloped, forest
- Eversource Owned Property

RIGHT-OF-WAY DESCRIPTION

• <u>+</u> 110 Feet

- Gravel Access Roads
- Maintained

Water Resources

- Wetland W8-1
- Wetland Cover Types Scrub-Shrub
- Watercourses S3-1

Wetland and Watercourse Crossings

None

Right-of-Way Vegetation

- Residential landscaping
- Scrub-Shrub upland
- Scrub-Shrub wetland

Access to Existing Structures

• Structures 1429, 1428, 1427: from Cortland Place or Oxford Road • Structures 1426, 1425: from Cortland Place or Hogs Back Road

Road Crossings

Cortland Place

Line List	Parcel Address	City	State	Owner Name
200B-070	212 HOGS BACK RD	OXFORD	СТ	KIRMANI SYED H
200B-071	214 HOGS BACK RD	OXFORD	СТ	ROYAL COURTYARD LLC
200B-072	34 MAC INTOSH DR	OXFORD	СТ	MCKINNON DOUGLAS S
200B-073	5 CORTLAND PL	OXFORD	СТ	TIRITA KIMBERLY & KATHARINA
200B-074	7 CORTLAND PL	OXFORD	СТ	PEDERSON GARY A & GAIL M
200B-075	9 CORTLAND PL	OXFORD	СТ	MICA ADAM & KATHRYN
200B-080	12 CORTLAND PL	OXFORD	СТ	MAVRICZ WAYNE & MAUREEN
200B-081	14 CORTLAND PL	OXFORD	СТ	STEDNER VALERIE & BRUNNER CHRISTOPHER
200B-082	18 CORTLAND PL	OXFORD	СТ	PINHO NELSON & FULCO CHRISTINA
200B-083	24 CORTLAND PL	OXFORD	СТ	GUERTIN CHRISTOPHER L & THERESA A
200B-092	OXFORD RD	OXFORD	СТ	CONNECTICUT LIGHT AND POWER COMPANY



Mapsheet 4 of 11 Christian Street Junction to Stevenson Substation Rebuild Project

Town of Oxford, Connecticut

AREA DESCRIPTION

Existing Land Use & Resource Areas

- NEC Focus Area
- Residential
- Undeveloped, forest

RIGHT-OF-WAY DESCRIPTION

- <u>+</u> 110 Feet
- Gravel Access Roads
- Maintained

Water Resources

- Wetland W9, W10, W11
- Wetland Cover Types Emergent, Scrub-Shrub
- Watercourses S4

Wetland and Watercourse Crossings • W9, W11, S4

Right-of-Way Vegetation

- Emergent wetland
- Scrub-Shrub wetland
- Scrub-Shrub upland
- Residential landscaping

Access to Existing Structures

• Structures 1424, 1423, 1423B: from Cortland Place or Hogs Back Road

• Structures 1422: from Hogs Back Road

• Structure 1421: from Captain Wooster Road

Road Crossings

Hogs Back Road

Line List	Parcel Address	City	State	Owner Name
200B-060	15 DAVIS RD	OXFORD	СТ	BUCKLEY JEANNINE JAMESON
200B-061	69 CAPT WOOSTER RD	OXFORD	СТ	ANGELICOLA MICHAEL DAVID &
200B-062	13 DAVIS RD	OXFORD	СТ	HOGAN BRENDA
200B-063	73 CAPT WOOSTER RD	OXFORD	СТ	FRANCO ASSENTA
200B-064	75 CAPT WOOSTER RD	OXFORD	СТ	SMITH BARBARA LEE
200B-065	12 CHURCH VIEW RD	OXFORD	СТ	CONLAN THOMAS & ASHLEY
200B-067	9 CHURCH VIEW RD	OXFORD	СТ	ROBISON ROY S III & THERESA
200B-068	197 HOGS BACK RD	OXFORD	СТ	CONKLIN WILLIAM S & CHRISTY
200B-069	77 CAPT WOOSTER RD	OXFORD	СТ	WLASUK JAMES & SUSAN
200B-070	212 HOGS BACK RD	OXFORD	СТ	KIRMANI SYED H
200B-071	214 HOGS BACK RD	OXFORD	СТ	ROYAL COURTYARD LLC



Mapsheet 5 of 11 Christian Street Junction to Stevenson Substation Rebuild Project Town of Oxford, Connecticut

AREA DESCRIPTION

Existing Land Use & Resource Areas

Residential
Undeveloped, forest

RIGHT-OF-WAY DESCRIPTION

- <u>+</u> 110 Feet
- Gravel Access Roads
- Maintained

Water Resources

- Wetland W12, W13, W14, W15, W16
- Wetland Cover Types Emergent, Scrub-Shrub
- Watercourses S5, S6, (Sevenmile Brook), S7

Wetland and Watercourse CrossingsW12, W13, W16, S5 (Sevenmile Brook)

Right-of-Way Vegetation

- Emergent wetland
- Scrub-Shrub wetland
- Scrub-Shrub upland
- Residential landscaping
- Pasture

Access to Existing Structures

• Structures 1420, 1419, 1418: from Captain Wooster Road or Quaker Farms Road

• Structures 1417, 1416: from Barry Road

Road Crossings

• Quaker Farms Road (Route 188)

Barry Road

Line List	Parcel Address	City	State	Owner Name
200B-046	45 BARRY RD	OXFORD	СТ	MCDONNELL MATTHEW C & JACQUELINE A
200B-048	429 QUAKER FARMS RD	OXFORD	СТ	FERNANDES JOHN
200B-049	20 BARRY RD	OXFORD	СТ	COHEN CATHLEEN M
200B-050	16 BARRY RD	OXFORD	СТ	FARNUM ROBERTS & NANCY W
200B-051	415 QUAKER FARMS RD	OXFORD	СТ	CHERNOVETZ JOSEPH A & ANGELA
200B-052	7 CAPT WOOSTER RD	OXFORD	СТ	STANTON AUSTIN W & BASILE MELISSA
200B-053	420 QUAKER FARMS RD	OXFORD	СТ	KROLL ALICE & KENNETH D
200B-054	424 QUAKER FARMS RD	OXFORD	СТ	KROLL PETER
200B-055	428 QUAKER FARMS RD	OXFORD	СТ	CT HOUSES LLC & EQUITY TRUST COMPANY
200B-056	430 QUAKER FARMS RD	OXFORD	СТ	JONES DIANA INTHAPANHYA &
200B-057	432 QUAKER FARMS RD	OXFORD	СТ	BLAKE PETER & CAROL J
200B-059	14 DAVIS RD	OXFORD	СТ	GIANSANTI PAUL J & CRISTINA M
200B-060	15 DAVIS RD	OXFORD	СТ	BUCKLEY JEANNINE JAMESON
200B-061	69 CAPT WOOSTER RD	OXFORD	СТ	ANGELICOLA MICHAEL DAVID & (PARKER)PEGGY
200B-062	13 DAVIS RD	OXFORD	СТ	HOGAN BRENDA
200B-063	73 CAPT WOOSTER RD	OXFORD	СТ	FRANCO ASSENTA
200B-064	75 CAPT WOOSTER RD	OXFORD	СТ	SMITH BARBARA LEE



Mapsheet 6 of 11

Christian Street Junction to Stevenson Substation Rebuild Project Town of Oxford, Connecticut

AREA DESCRIPTION

Existing Land Use & Resource Areas

- Residential
- Undeveloped, forest
- 100-Year Flood Zone500-Year Flood Zone
- Eightmile Brook (S8)

RIGHT-OF-WAY DESCRIPTION

- <u>+</u> 110 Feet
- Gravel Access Roads
- Maintained

Water Resources

• Wetland – W16-1, W17, W17-1, W17-2, W17-3, W18

• Wetland Cover Types – Emergent, Scrub-Shrub

• Watercourses – S7-1, S7-2, S7-3, S8 (Eightmile Brook)

Wetland and Watercourse Crossings • W17, W17-1, W18

Right-of-Way Vegetation

- Emergent wetland
- Scrub-Shrub wetland
- Scrub-Shrub upland
- Residential landscaping

Access to Existing Structures

Structures 1416, 1415, 1414: from Barry Road

• Structures 1413, 1413B, 1412, 1412B: from Bowers Hill Road

Road Crossings

Barry Road

Line List	Parcel Address	City	State	Owner Name
200B-039	14 SUNRISE DR	OXFORD	СТ	D'AMATO ROSEMARIE
200B-040	16 SUNRISE DR	OXFORD	СТ	FATTIBENE ANTHONY & KATIE
200B-041	18 SUNRISE DR	OXFORD	СТ	CZARNEKE KAREN NIELSINE &
200B-042	20 SUNRISE DR	OXFORD	СТ	GRECO BRIAN P & LAURA J TRU
200B-043	22 SUNRISE DR	OXFORD	СТ	MEDINA BRIAN & EMILY
200B-044	24 SUNRISE DR	OXFORD	СТ	KOCHERA GEORGE III & RENEE
200B-045	55 BARRY RD	OXFORD	СТ	MOSS III WILLIAM DEAN & WIN
200B-046	45 BARRY RD	OXFORD	СТ	MCDONNELL MATTHEW C & JA
200B-049	20 BARRY RD	OXFORD	СТ	COHEN CATHLEEN M
200B-050	16 BARRY RD	OXFORD	СТ	FARNUM ROBERTS & NANCY W

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Mapsheet 7 of 11 Christian Street Junction to Stevenson Substation Rebuild Project Town of Oxford, Connecticut

AREA DESCRIPTION

Existing Land Use & Resource Areas					
Residential	Line List	Parcel Address	City	State	Owner Name
Undeveloped, forest	200B-034	BOWERS HILL RD	OXFORD	СТ	TOWN OF OXFORD
• 500-Year Flood Zone	200B-035	83 BOWERS HILL RD	OXFORD	СТ	GRAILICH LINDSEY H & TYL
Aggie Park Open Space	200B-036	6 SUNRISE DR	OXFORD	СТ	FEDEROWICZ THOMAS & C
	200B-039	14 SUNRISE DR	OXFORD	СТ	D'AMATO ROSEMARIE
RIGHT-OF-WAY DESCRIPTION	200B-040	16 SUNRISE DR	OXFORD	СТ	FATTIBENE ANTHONY & KA

• <u>+</u> 110 Feet

- Gravel Access Roads
- Maintained

Water Resources

• Wetland – W19

- Wetland Cover Types Scrub-Shrub
- Watercourses S9

Wetland and Watercourse Crossings • W19, S9

Right-of-Way Vegetation

- Residential landscaping • Recreational open space
- Scrub-Shrub wetland

Scrub-Shrub upland

Access to Existing Structures

• Structures 1412, 1412B, 1411, 1411B, 1410, 1410B, 1409, 1409B, 1408, 1408B: from Bowers Hill Road

Road Crossings • None





Mapsheet 8 of 11 Christian Street Junction to Stevenson Substation Rebuild Project Town of Oxford, Connecticut

AREA DESCRIPTION

Existing Land Use & Resource Areas

- Residential
- Undeveloped, forest100-Year Flood Zone
- Aggie Park Open Space

RIGHT-OF-WAY DESCRIPTION

- <u>+</u> 110 Feet
- Gravel Access Roads
- Maintained

Water Resources

- Wetland W20, W21
- Wetland Cover Types Emergent, Open Water
- Watercourses S9-1

Wetland and Watercourse Crossings • W20, S9-1

Right-of-Way Vegetation

- Emergent wetland
- Residential landscaping

Access to Existing Structures

- Structures 1408, 1408B, 1407, 1407B, 1406: from Bowers Hill Road or Loughlin Road
- Structures 1405, 1404: from Loughlin Road

Road Crossings

• Loughlin Road

Line List	Parcel Address	City	State	Owner Name
200B-017	LOUGHLIN RD	OXFORD	СТ	DOWNS JOHN & WILLIAM D J
200B-019	210 LOUGHLIN RD	OXFORD	СТ	PRAJER RONALD TRUSTEE OF
200B-020	31 COPPERMINE RD	OXFORD	СТ	DILLER CLAUDETTE
200B-021	174 LOUGHLIN RD	OXFORD	СТ	TROESTER WILLIAM H
200B-022	HEMLOCK TRAIL	OXFORD	СТ	FITCH LYNDA G
200B-023	171 BOWERS HILL RD	OXFORD	СТ	LJUNGQUIST ALLEN R & ANNE
200B-024	165 BOWERS HILL RD	OXFORD	СТ	WOJNAGI DENIS JR & MELISS
200B-025	163 BOWERS HILL RD	OXFORD	СТ	FISHER KAREN A TRUSTEE
200B-026	161 BOWERS HILL RD	OXFORD	СТ	HARMONY RANCH LTD
200B-028	155 BOWERS HILL RD	OXFORD	СТ	TUCKER JR LEWIS I
200B-029	153 BOWERS HILL RD	OXFORD	СТ	TUCKER JR LEWIS I
200B-031	BOWERS HILL RD	OXFORD	СТ	THE TOWN OF OXFORD
200B-032	135 BOWERS HILL RD	OXFORD	СТ	DEGENNARO JENNIFER L
200B-033	133 BOWERS HILL RD	OXFORD	СТ	EGAN JAMES JOSEPH & VICTO
200B-034	BOWERS HILL RD	OXFORD	СТ	TOWN OF OXFORD
200B-638	159 BOWERS HILL RD	OXFORD	СТ	RAYMOND GARRETT AS TRUS

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Mapsheet 9 of 11

Christian Street Junction to Stevenson Substation Rebuild Project Town of Oxford, Connecticut

AREA DESCRIPTION

Existing Land Use & Resource Areas

- NDDB Area (June 2023)
- Residential
- Undeveloped, forest
- Floodway
- 100-Year Flood Zone
- 500-Year Flood Zone

RIGHT-OF-WAY DESCRIPTION

• <u>+</u> 110 Feet

- Gravel Access Roads
- Maintained

Water Resources

- Wetland W21, W21-1, W22-1, W22
- Wetland Cover Types Emergent, Scrub-Shrub, Forested
- Watercourses S10

Wetland and Watercourse Crossings

none

Right-of-Way Vegetation

- Emergent wetland
- Scrub-Shrub wetland
- Scrub-Shrub upland
- Residential landscaping

Access to Existing Structures • Structure 1403, 1402, 1401, 1400: from Coppermine Road

Road Crossings • None

Line List	Parcel Address	City	State	Owner Name
200B-007	COPPERMINE RD	OXFORD	СТ	DESIGN LAND DEVELOPER
200B-017	LOUGHLIN RD	OXFORD	СТ	DOWNS JOHN & WILLIAM
200B-019	210 LOUGHLIN RD	OXFORD	СТ	PRAJER RONALD TRUSTEE
212-003	708 ROOSEVELT DR	OXFORD	СТ	ROBERT MASTRONI EXCA

OF OXFORD INC
) JR TRUSTEE
DF
ATING LLC



Mapsheet 10 of 11 Christian Street Junction to Stevenson Substation Rebuild Project Town of Oxford, Town of Monroe, Connecticut

AREA DESCRIPTION

Existing Land Use & Resource Areas

- NDDB Area (June 2023)
- NEC Focus Area
- Undeveloped, forest
- Floodway
- 100-Year Flood Zone
- 500-Year Flood Zone
- Housatonic River
- Lake Zoar
- Housatonic Railroad
- Eversource owned property

RIGHT-OF-WAY DESCRIPTION

- <u>+</u> 110 Feet
- Gravel Access Roads
- Maintained

Water Resources

- Wetland W22
- Wetland Cover Types Emergent
- Watercourses S11 (Housatonic River)

Wetland and Watercourse Crossings • W22

Right-of-Way Vegetation

Emergent

Access to Existing Structures and Pull Pads

- Structures 1399, 1398: from Coppermine Road
- Pull Pads from Sand Bar Road

Road Crossings

• Roosevelt Drive (Route 34)

Line List	Parcel Address	City	State	Owner Name
200A-338	84 COTTAGE ST	MONROE	СТ	COTTAGE STREET LLC
200A-340	20 MOUNTAIN LAUREL DR	MONROE	СТ	COTTAGE STREET LLC
200A-342	26 MOUNTAIN LAUREL DR	MONROE	СТ	COTTAGE STREET LLC
200A-344	50 MOUNTAIN LAUREL DR	MONROE	СТ	COTTAGE STREET LLC
200A-345	32 MOUNTAIN LAUREL DR	MONROE	СТ	COTTAGE STREET LLC
200A-347	49 MOUNTAIN LAUREL DR	MONROE	СТ	COTTAGE STREET LLC
200A-349	41 MOUNTAIN LAUREL DR	MONROE	СТ	COTTAGE STREET LLC
200B-007	COPPERMINE RD	OXFORD	СТ	DESIGN LAND DEVELO
200B-017	LOUGHLIN RD	OXFORD	СТ	DOWNS JOHN & WILL
212-003	708 ROOSEVELT DR	OXFORD	СТ	ROBERT MASTRONI E
212-004	COPPERMINE RD	OXFORD	СТ	STATE OF CT-DOT
212-005	1 ROOSEVELT DR	MONROE	СТ	FIRSTLIGHT CT HOUSA
212-006	00 SHELTON TO NEWTOWN T/L	MONROE	СТ	MAYBROOK RAILROA

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OPERS OF OXFORD INC
LIAM D JR TRUSTEE
EXCAVATING LLC
ATONIC LLC
D CO INC



Mapsheet 11 of 11

Christian Street Junction to Stevenson Substation Rebuild Project Town of Monroe, Connecticut

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AREA DESCRIPTION	Line List	Parcel Address	City	State	Owner Name
Existing Land Use & Resource Areas	200A-333	16 SAND BAR RD	MONROE	СТ	HUNDRED ACRE WOOD LLC
NDDB Area (June 2023)	200A-334	22 SAND BAR RD	MONROE	СТ	LYONS MICHAEL
NEC Focus Area	200A-336	40 MOUNTAIN LAUREL DR	MONROE	СТ	COTTAGE STREET LLC
Undeveloped, forest	300A-337	8 MOUNTAIN LAUREL DR	MONROE	СТ	COTTAGE STREET LLC
Residential	200A-338	84 COTTAGE ST	MONROE	СТ	COTTAGE STREET LLC
Paugussett Irall 100 Vear Eleed Zene	200A-339	14 MOUNTAIN LAUREL DR	MONROE	СТ	COTTAGE STREET LLC
Housatonic Pailroad	200A-340	20 MOUNTAIN LAUREL DR	MONROE	СТ	COTTAGE STREET LLC
Fuersource owned property	200A-342	26 MOUNTAIN LAUREL DR	MONROE	СТ	COTTAGE STREET LLC
	200A-344	50 MOUNTAIN LAUREL DR	MONROE	СТ	COTTAGE STREET LLC
RIGHT-OF-WAY DESCRIPTION	200A-345	32 MOUNTAIN LAUREL DR	MONROE	СТ	COTTAGE STREET LLC
• + 110 Feet	200A-347	49 MOUNTAIN LAUREL DR	MONROE	СТ	COTTAGE STREET LLC
• Gravel Access Roads	200A-349	41 MOUNTAIN LAUREL DR	MONROE	СТ	COTTAGE STREET LLC
Maintained	212-006	00 SHELTON TO NEWTOWN T/L	MONROE	СТ	MAYBROOK RAILROAD CO INC

Water Resources

- Wetland W23, W24
- Wetland Cover Types Forested
- Watercourses S12, S13

Wetland and Watercourse Crossings

None

Right-of-Way Vegetation
• Scrub-Shrub upland

Access to Pull Pads

Pull Pads from Sand Bar Road

Road Crossings • None



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REVISIONS		АРР	Date. February 15, 2024	Tighe&Bond
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Revised Attachment D

Wetland Report

Wetland Report:

Christian Street Junction to Stevenson Rebuild Project

To:Sara Fusco, PSS, CPESC; Eversource EnergyFROM:Richard Canavan, PhD, PSS, PWS and Matthew Regan, PSS, PWS; Tighe &
BondDATE:January 2, 2024, Revised April 10, 2024

This revised Wetland Report is submitted to include updated information for wetlands and watercourses mapped in the Christian Street Junction to Stevenson Rebuild Project area. Tighe & Bond performed wetland and watercourse delineations in support of the Project in September 2020 and March 2021. The wetlands limits were reviewed in the fall of 2023 for some areas of the Project. During the development of the Stormwater Pollution Control Plan (SWPCP) it was determined that areas not reviewed in 2023 contained wetlands and watercourses that were not previously mapped. These errors may have resulted in part from drier conditions occurring during the previous delineation and in some cases, wetlands not previously identified were near the limits of managed Right-of-Way (ROW).

The limits of some wetlands were revised as part of a March 2024 field review based on the current vegetation, soil, and hydrologic conditions observed.

Wetland and Watercourse Delineation Methodology

Wetlands and watercourses were delineated in accordance with the requirements of the Connecticut Inland Wetlands and Watercourses Act (§22a-38 CGS), and the U. S. Army Corps of Engineers Wetlands Delineation Manual (1987) *Regional Supplement to the Corps of Engineers Wetland Delineation Manual Northcentral and Northeast Region* (Version 2.0) (January 2012). The limits of the wetlands and watercourses were identified in the field by consecutively numbered flags. Pink "Wetland Delineation" flagging was used for delineating wetlands and blue flagging was used for delineating watercourses. Flag locations were surveyed at the time of the investigation using Global Positioning System (GPS) units capable of submeter accuracy. Wetlands were classified using the Cowardin System.

This revised wetland report includes an updated listing of delineated wetlands and watercourses within the Project Area (Table 1). Army Corps of Engineers Wetland Determination Data Forms are attached for all wetlands in the Project Area.

The initial Wetlands Report noted that Wetland W20 was monitored in May 2023 and was determined to be a decoy pool due to the lack of suitable attachment points for egg masses and shallow water depth. That discussion noted that vernal pool habitat appeared to present in other areas of that wetland complex outside of the ROW. No additional vernal pool habitat areas were identified within the Project Area during the March 2024 wetlands and watercourses assessment.

TABLE 1

Delineated Wetlands and Watercourses within the Christian Street Junction to Stevenson Rebuild Project

Map Sheet No.	Wetland No. ¹	Determination Data Sheet Wetland No. ²	Dominant NWI Class ³	Other NWI Classes	Dominant Water Regime	Associated Watercourse ⁴
1	W1	1436 1A	PSS	PEM	Seasonally Saturated	
1	W2	1435 1A 1	PSS	PEM	Seasonally Flooded/Saturated	S1
1	W3	1434 1A	PEM	PSS	Seasonally Flooded/Saturated	S2
1-2	W4	1434 1C	PEM	PSS	Seasonally Flooded	S2
2	W5	1580 Segment 4 W5	PSS	PEM	Seasonally Flooded	
2	W6	1580 Segment 4 W6	PSS	PEM	Seasonally Saturated	S3
2	W7	1430 2A JSC	PEM	PSS	Seasonally Flooded/Saturated	
2	W8	1430 1A	PEM	PSS	Seasonally Flooded/Saturated	
3	W8-1	1,428	PSS		Seasonally Flooded/Saturated	S3-1
4	W9	1423 1A 3	PEM	PSS	Seasonally Flooded/Saturated	
4	-	-	R4SB4		Intermittent	S4
4	W10	1580 Segment 4 W10	7PSS	PEM	Seasonally Flooded/Saturated	
4	W11	1580 Segment 4 W11	PEM		Seasonally Saturated	
5	W12	1580 Segment 4 W12	PEM	PSS	Seasonally Saturated	S5
5	W13	1418 W19	PSS		Seasonally Saturated	
5	W14	1418 W20	PSS	PEM	Seasonally Flooded/Saturated	S6
5	W15	1580 Segment 4 W15	PEM		Seasonally Flooded/Saturated	S7
5	W16	1580 Segment 4 W16	PEM		Seasonally Saturated	
6	-		R4SB4		Intermittent	S7-1
6	W16-1	1580 Segment 4 W16-1	PSS		Seasonally Saturated	
6	W17	1415 W21	PEM	PSS	Seasonally Saturated	
6	W17-1	1580 Segment 4 W17-1	PEM		Seasonally Saturated	
6	W17-2	1580 Segment 4 W17-2	PEM		Seasonally Saturated	
6	W17-3	1580 Segment 4 W17-3	PSS		Seasonally Flooded/Saturated	S7-2
6	-		R4SB4		Intermittent	S7-3
6	W18	1413 1c 3	PEM	PSS	Seasonally Flooded	S8
7	W19	1409 1B 1 JSC	PSS		Seasonally Flooded	S9
8	W20	1406 1B 4 JSC	PSS	LUB	Seasonally Flooded/Saturated	S9-1
8-9	W21	1403 1B JSC	PEM		Seasonally Saturated	S10
9	W21-1	1401	PSS	PFO	Seasonally Flooded/Saturated	
9	W22-1	1400	PFO		Seasonally Flooded/Saturated	
9-10	W22	1399 1A JSC	PEM		Intermittently Flooded	
10	-	-	R2RB1		Perennial	S11
11	W23/24	204 W40	PFO	PEM	Seasonally Flooded/Saturated	S12, S13

¹ Wetland No. refers to the number on the Map Set for the Christian Street Junction to Stevenson Rebuild Project

² Data Sheet Wetland No. refers to the code assigned during delineation and referenced on the delineation data form

³ Wetlands classified according to Cowardin et al 1979; PEM= Palustrine Emergent Wetland; PSS= Palustrine Scrub-Shrub Wetland; PFO= Palustrine Forested Wetland; LUB= Lacustrine Unconsolidated Bottom; R4SB4= Intermittent Streambed Sand; R2RB1 Lower Perennial Rubble

⁴ Associated Watercourse refers to the identification number in the project map set

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Line 1580: 2020	City/County: New Haven C	ounty Sam	bling Date: 2020-09-22	
Applicant/Owner: Eversource		State: Connecticut Sa	mpling Point: 1436 1A	
Investigator(s): SME, JSC	Section, Township, Range: _			
Landform (hillslope, terrace, etc.): Depression	Local relief (concave, convex, nc	one): Concave	Slope (%): 0-5	
Subregion (I RR or MI RA) R 144A	Lat. 41.4544983	3.1379016	Datum· NAD 83	
Soil Map Upit Name: 45B - Woodbridge fine s	sandy loam, 3 to 8 percent slopes	NW/L classification:		
As all satisfies the standard st			-)	
Are climatic / hydrologic conditions on the site typic	al for this time of year? Yes No	(If no, explain in Remark	S.)	
Are Vegetation, Soil, or Hydrology _	significantly disturbed? Are "Norma	al Circumstances" present	t? Yes 🥙 No	
Are Vegetation, Soil, or Hydrology _	naturally problematic? (If needed,	explain any answers in R	emarks.)	
SUMMARY OF FINDINGS – Attach site	e map showing sampling point locati	ons, transects, imp	ortant features, etc.	
	Le the Sampled Area			
Hydrophytic Vegetation Present? Yes	within a Wetland?	Yes 🗸 N	0	
Hydric Soil Present? Yes		100 1	• <u> </u>	
Wetland Hydrology Present? Yes	No If yes, optional Wetlan	d Site ID:		
Adjacent to mowed lawn				
HYDROLOGY				
Wetland Hydrology Indicators:		Secondary Indicators (r	ninimum of two required)	
Primary Indicators (minimum of one is required; ch	heck all that apply)	Surface Soil Cracks	s (B6)	
Surface Water (A1)	 Water-Stained Leaves (B9) 	Drainage Patterns	(B10)	
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (E	316)	
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water	Table (C2)	
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (Crayfish Burrows)	C8)	
Sediment Deposits (B2)	 Oxidized Rhizospheres on Living Roots (C3) 	Saturation Vis ble c	on Aerial Imagery (C9)	
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stresser	d Plants (D1)	
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C6)	Geomorphic Position (D2)		
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard ([03)	
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Microtopographic R	Relief (D4)	
Sparsely Vegetated Concave Surface (B8)		 FAC-Neutral Test (D5)	

Sparsely vegetated Co	incave Suna				<u>•</u> r
Field Observations:					
Surface Water Present?	Yes	No 🗹	Depth (inches):		
Water Table Present?	Yes	No 🔽	Depth (inches):		
Saturation Present? (includes capillary fringe)	Yes	No 🖌	_ Depth (inches):	Wetla	and Hydrol
Describe Recorded Data (s	tream gauge	e, monitoring	well, aerial photos, previ	ous inspections),	if available:
Remarks:					

r

No

Wetland Hydrology Present? Yes

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant	Indicator	Dominance Test worksheet:
A Acer rubrum	<u>20</u>		FAC	Number of Dominant Species
1				That Are OBL, FACW, or FAC: (A)
2			·	Total Number of Dominant
3				Species Across All Strata: <u> </u>
4		·		Percent of Dominant Species
5				
6			. <u> </u>	Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
	20	= Total Cov	/er	OBL species 40 x 1 = 40
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species $\frac{70}{20}$ x 2 = $\frac{140}{20}$
1. Cornus amomum	20	~	FACW	FAC species $\frac{20}{2}$ x 3 = $\frac{60}{2}$
2. Lindera benzoin	20	~	FACW	FACU species 0 $x 4 = 0$
3.				UPL species 0 $x_5 = 0$
4				Column Totals: 130 (A) 240 (B)
T				Prevalence Index = $B/A = 1.85$
5				Hydronhytic Vagatation Indicators:
6				1 Papid Tast for Hydrophytic Vogetation
7				✓ 2 - Dominance Test is >50%
_	40	= Total Cov	/er	\checkmark 3 - Prevalence Index is $\leq 3.0^{1}$
Herb Stratum (Plot size: 5 ft r)				4 - Morphological Adaptations ¹ (Provide supporting
_{1.} Persicaria sagittata	40	~	OBL	data in Remarks or on a separate sheet)
2. Symphyotrichum novae-angliae	20	~	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
3. Eupatorium perfoliatum	10		FACW	1
4.				Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
/			<u> </u>	at breast height (DBH), regardless of height.
8				Sapling/shrub – Woody plants less than 3 in. DBH
9				and greater than or equal to 3.28 ft (1 m) tall.
10				Herb – All herbaceous (non-woody) plants, regardless
11				of size, and woody plants less than 3.26 it tail.
12				Woody vines – All woody vines greater than 3.28 ft in
	70	= Total Cov	/er	neight.
Woody Vine Stratum (Plot size: 30 ft r)				
1.				
2				
3				Hydrophytic
о				Vegetation
	0	Tatal Car		Present? Yes V No
Remarks: (Include photo numbers here or on a separate o	sheet)		/er	
	sileet.)			

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SOIL

Profile Desc	ription: (Describe	to the dep	th needed to docun	nent the i	indicator	or confirm	the absence of	indicators.)	
Depth Matrix			Redox Features						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0 - 2	10YR 2/2	95	7.5YR 5/8	5	С	PL	Sandy Loam		
2 - 10	10YR 6/2	75	7.5YR 4/6	25	С	Μ	Loamy Sand		
10 - 16	10YR 2/1	90	5YR 4/6	10	С	Μ	Silt Loam		
					. <u> </u>				
					. <u> </u>	·			
-					<u>.</u>	. <u> </u>			
-									
-									
-									
-									
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.							² Location: PL=Pore Lining, M=Matrix.		
Hydric Soil Indicators:						Indicators for Problematic Hydric Soils":			
Histosol (A1) Polyvalue Below Surface (S8) (LRR R,						2 cm Muck (A10) (LRR K, L, MLRA 149B)			
Histic Epipedon (A2) MLRA 149B)						Coast Prairie Redox (A16) (LRR N, L, R)			
Black HISTIC (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B)							Dark Surface (S7) (IRR K I)		
Stratified	Lavers (A5)		Loamy Gleved I	Matrix (F2	2)	u, _ /	Polvvalue	Below Surface (S8) (LRR K. L)	
Depleted	Below Dark Surface	e (A11)	Depleted Matrix	(F3)	,		Thin Dark	Surface (S9) (LRR K, L)	
Thick Dark Surface (A12) Redox Dark Surface (F6)							Iron-Manganese Masses (F12) (LRR K, L, R)		
Sandy Mucky Mineral (S1) Depleted Dark Surface (F7)							Piedmont Floodplain Soils (F19) (MLRA 149B)		
Sandy Gleyed Matrix (S4) Redox Depressions (F8)							Mesic Spo	odic (TA6) (MLRA 144A, 145, 149B)	
✓ Sandy Redox (S5)							Red Parent Material (F21)		
Stripped Matrix (S6)						Very Shallow Dark Surface (TF12)			
Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks)									
³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.									
Restrictive Layer (if observed):									
							Undria Cail Dry	acanta Vac V Na	
Depth (inches): 10 Hydric Soil Present? Yes _ No									
Remarks.									
WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Line 1580: 2020	City/County: Oxford	Sampling Date: 2020-09-22
Applicant/Owner: Eversource		State: Connecticut Sampling Point: 1435-1A-1
Investigator(s): SME, JSC	Section, Township, Range:	
Landform (hillslope, terrace, etc.): Depression	Local relief (concave, convex,	none): Concave Slope (%):
Subregion (LRR or MLRA): R 144A L	.at: 41.4523315 Long:	73.1381157 Datum: NAD 83
Soil Map Unit Name: <u>13 Walpole sandy loam</u>		NWI classification: PFO1E
Are climatic / hydrologic conditions on the site typica	Il for this time of year? Yes No	_ (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology	significantly disturbed? Are "Nor	nal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology _	naturally problematic? (If neede	d, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site	map showing sampling point loca	tions, transects, important features, etc.
Hydrophytic Vegetation Present? Yes	No Is the Sampled Are	a
Hydric Soil Present? Yes	No within a Wetland?	Yes No
Wetland Hydrology Present? Yes	No If yes, optional Wetl	and Site ID: 1435 1A
Remarks: (Explain alternative procedures here or	in a separate report.)	
Drought		

	Coccerdent Indicators (minimum of two northing)
Wetland Hydrology indicators:	Secondary indicators (minimum of two requirea)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
✓ Surface Water (A1) ✓ Water-Stained Leaves (B9)	Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizospheres on Living	Roots (C3) 🧹 Saturation Vis ble on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Sc	ils (C6) 🖌 Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)
✓ Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	 FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes <u>/</u> No Depth (inches): <u>2</u>	
Water Table Present? Yes No 🖌 Depth (inches):	
Saturation Present? Yes <u>V</u> No Depth (inches): <u>0</u>	Wetland Hydrology Present? Yes <u> </u>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec	ions), if available:
Remarks:	

Sampling Point: 1435-1A-1

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant	Indicator Status	Dominance Test worksheet:
Acer rubrum	<u>40</u>	<u>opecies:</u>	FAC	Number of Dominant Species
 2 Betula populifolia 	20	~	FAC	
3		·		Total Number of Dominant Species Across All Strata: 5 (B)
۵ ۵		·		Benerit of Deminent Crossics
5		·		That Are OBL, FACW, or FAC: <u>100.00</u> (A/B)
6				
7		·	·	Prevalence Index worksheet:
··	60	- Total Ca		$\begin{array}{c c} \hline 1 \text{ otal } \% \text{ Cover of:} \\ \hline 0 \text{ PL excession} \\ \hline 0 \\ \hline 0 \\ \hline 1 \\ \hline 0 \\ \hline $
Sopling/Shruh Stratum (Blot size: 15 ft r)		- 10tal C0		FACW species 40 $x_2 = 80$
1 Sambucus nigra ssp. canadensis	20	~		FAC species $60 \times 3 = 180$
2 Lindera benzoin	10	~	FACW	FACU species 0 x 4 = 0
 Sambucus nigra ssp. canadensis 				UPL species 0 x 5 = 0
		·		Column Totals: <u>100</u> (A) <u>260</u> (B)
4		·		Prevalence Index = $B/A = 2.60$
5		·	·	Hydrophytic Vogotation Indicators:
0		·	·	1 - Rapid Test for Hydrophytic Vegetation
/	20			✓ 2 - Dominance Test is >50%
5 ft r	30	= Total Co	ver	✓ 3 - Prevalence Index is ≤3.0 ¹
Herb Stratum (Plot size: 51(1))	20		54014	4 - Morphological Adaptations ¹ (Provide supporting
	20		FACW	data in Remarks or on a separate sheet)
2. Symphyotrichum novae-angliae	10	<u> </u>	FACW	Problematic Hydrophytic Vegetation" (Explain)
3		·		¹ Indicators of hydric soil and wetland hydrology must
4		·		be present, unless disturbed or problematic.
5		·		Definitions of Vegetation Strata:
6				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
7		·		at breast height (DBH), regardless of height.
8		·	·	Sapling/shrub – Woody plants less than 3 in. DBH
9				and greater than or equal to 3.28 ft (1 m) tall.
10				Herb – All herbaceous (non-woody) plants, regardless
11		·		of size, and woody plants less than 3.28 ft tall.
12				Woody vines – All woody vines greater than 3.28 ft in beight
	30	= Total Co	ver	noight.
Woody Vine Stratum (Plot size: 30 ft r)				
1				
2				
3		·		Hydrophytic
4				Vegetation Present? Yes Vo
	0	= Total Co	ver	
Remarks: (Include photo numbers here or on a separate	sheet.)			

Profile Desc	cription: (Describe	to the dep	oth needed to docur	nent the	indicator	or confirm	the absence of indicators.)	
Depth	Matrix		Redo	x Feature	s			
<u>(inches)</u>	Color (moist)	%	Color (moist)	%	Type'	Loc ²	Texture Remarks	
0 - 10	10YR 2/1	100					Mucky Peat	
10 - 12	10YR 2/2	65	2.5Y 5/3	35	D	М	Silt Loam	
	-	- <u> </u>						
		·				·	·	
-								
-								
					·			
		·				. <u> </u>		
-		·				<u> </u>		
-				<u> </u>				
-								
		·				·		
-						<u> </u>		
-								
-								
	oncentration D=Den	letion RM	=Reduced Matrix M	S=Maske	d Sand Gr	ains	² Location: PL=Pore Lining M=Matrix	
Hydric Soil	Indicators:			0-111031(0)		um <u>s</u> .	Indicators for Problematic Hydric Soils ³ :	
Histosol	(A1)		Polyvalue Belo	w Surface	e (S8) (LR I	RR,	2 cm Muck (A10) (LRR K, L, MLRA 149	B)
 Histic Ep 	pipedon (A2)		MLRA 149B)	. , .		Coast Prairie Redox (A16) (LRR K, L, F	:)
Black Hi	stic (A3)		Thin Dark Surfa	ace (S9) (LRR R, M	LRA 149B)) 5 cm Mucky Peat or Peat (S3) (LRR K,	L, R)
Hydroge	en Sulfide (A4)		Loamy Mucky N	Mineral (F	1) (LRR K	., L)	Dark Surface (S7) (LRR K, L)	• •
Stratilied	d Below Dark Surfac	ο (Δ11)	Loamy Gleyed	Matrix (F∡ (F3)	<u>z)</u>		Thin Dark Surface (S9) (LRR K,	_)
Thick Da	ark Surface (A12)	6 (711)	Redox Dark Su	rface (F6))		Iron-Manganese Masses (F12) (LRR K	L. R)
Sandy M	/ucky Mineral (S1)		Depleted Dark	Surface (I	, F7)		Piedmont Floodplain Soils (F19) (MLRA	, 149B)
Sandy G	Bleyed Matrix (S4)		Redox Depress	ions (F8)			Mesic Spodic (TA6) (MLRA 144A, 145,	1 49B)
Sandy R	Redox (S5)						Red Parent Material (F21)	
Stripped	I Matrix (S6)		_`				Very Shallow Dark Surface (TF12)	
Dark Su	пасе (S7) (LRR R, I	/ILRA 149	3)				Other (Explain in Remarks)	
³ Indicators of	f hydrophytic vegeta	tion and w	etland hydrology mus	st be pres	ent, unles	s disturbed	or problematic.	
Restrictive I	Layer (if observed):							
Туре:								
Depth (ind	ches):						Hydric Soil Present? Yes 🖌 No _	
Remarks:								

W3

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Line 1580: 2020	City/County: Oxford	Sa	mpling Date: 2020-09-22
Applicant/Owner: Eversource		State: Connecticut	Sampling Point: 1434-1A
Investigator(s): SME, JSC	Section, Township, Range:		
Landform (hillslope, terrace, etc.): Hillslope Lo	ocal relief (concave, convex, n	one): Concave	Slope (%): 10-20
Subregion (LRR or MLRA): R 144A Lat: 41.4500422	7 Long: <u>-7</u>	3.1385626	Datum: NAD 83
Soil Map Unit Name: 13 Walpole sandy loam		NWI classificatio	n: PFO/EM1E
Are climatic / hydrologic conditions on the site typical for this time of ye	ear?YesNo_	(If no, explain in Rema	arks.)
Are Vegetation, Soil, or Hydrology significantly	y disturbed? Are "Norm	al Circumstances" prese	ent? Yes No _
Are Vegetation, Soil, or Hydrology naturally pr	oblematic? (If needed	, explain any answers in	n Remarks.)
SUMMARY OF FINDINGS – Attach site map showing	g sampling point locat	ions, transects, in	nportant features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes ✓ No Yes ✓ No Yes ✓ No	Is the Sampled Area within a Wetland? Yes If yes, optional Wetland Site ID: 1434 1A
Remarks: (Explain alternative procedu	res here or in a separate repor)
Drought		

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
	✓ Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) ✓ Saturation Vis ble on Aerial Imagery (C9) Stunted or Stressed Plants (D1) poils (C6) ✓ Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) ✓ FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No <u>r</u> Depth (inches):	
Water Table Present? Yes No <u>r</u> Depth (inches):	
Saturation Present? Yes No 🖌 Depth (inches):	Wetland Hydrology Present? Yes V
(includes capillary fringe)	wettand Hydrology Present? Tes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec	tions), if available:

Sampling Point: 1434-1A

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1.	70 00101	000000	Olardo	Number of Dominant Species That Are OBLE EACIW or EAC: 4 (A)
2				
3				Total Number of Dominant Species Across All Strata: 4 (B)
аа	<u> </u>			
T				That Are OBL, FACW, or FAC: 100 (A/B)
5				
o	- <u> </u>			Prevalence Index worksheet:
<i>I</i>				Total % Cover of: Multiply by:
15 ft r		= I otal Cov	/er	OBL species 20 $x_1 = 20$
Sapling/Shrub Stratum (Plot size: 13111)	20		EAC	FAC species 20 $x_2 = 60$
	20			FACU species 0 $x = 0$
2. Cornus amomum	10	~	FACW	UPL species 0 $x_5 = 0$
3				Column Totals: 70 (A) 140 (B)
4				\mathbf{D}
5				Prevalence index = $B/A = 2.0$
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
	30%	= Total Cov	/er	\checkmark 2 - Dominance Lest is >50%
Herb Stratum (Plot size: 5 ft r)				 S - Flevalence muck is \$5.0 A - Morphological Adaptations¹ (Provide supporting
1. Osmundastrum cinnamomeum	20	 ✓ 	FACW	data in Remarks or on a separate sheet)
2. Symphyotrichum puniceum	20	~	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
3				1
4				be present, unless disturbed or problematic.
5				Definitions of Vegetation Strata
6				
7.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
8.				Serling (shuth Weath plants loss than 2 in DDU
9				and greater than or equal to 3.28 ft (1 m) tall.
10				Herb - All herbaceous (non-woody) plants, regardless
11				of size, and woody plants less than 3.28 ft tall.
12				Woody vines – All woody vines greater than 3.28 ft in
12.	40%	Total Ca		height.
Weady Vine Christian (Distring) 30 ft r	4070		/ei	
Woody Vine Stratum (Plot size: <u>30 (C1</u>)				
1		·		
2	·			
3				Hydrophytic Vegetation
4				Present? Yes <u>V</u> No
		= Total Cov	/er	
Remarks: (Include photo numbers here or on a separate s	sheet.)			

Profile Desc	cription: (Describe	to the dep	oth needed to docu	ment the	indicator	or confirm	n the absence	of indicators.)
Depth	Matrix		Redo	ox Feature	es			
(inches)	Color (moist)	%	Color (moist)	%	Type'	Loc ²	Texture	Remarks
0 - 5	10YR 3/1	95	7.5YR 4/6	5	<u>C</u>	PL	Sandy loam	Floodplain
5 - 15	10YR 5/2	90	7.5YR 4/3	10	D	М	Sandy loam	
-								
-							·	
							·	
-								
					<u> </u>			
-								
-								
							·	
-					. <u> </u>		2	
Type: C=C	oncentration, D=Dep	letion, RM	=Reduced Matrix, M	S=Maske	d Sand Gr	ains.	Location	: PL=Pore Lining, M=Matrix. for Problematic Hydric Soils ³
Histosol	(A1)		Polvvalue Belo	w Surface	e (S8) (L R	RR.	2 cm N	Auck (A10) (LRR K. L. MLRA 149B)
Histic Ep	oipedon (A2)		MLRA 149B)	, (00) (L IT	,	Coast	Prairie Redox (A16) (LRR K, L, R)
Black Hi	stic (A3)		Thin Dark Surfa	ace (S9) (LRR R, M	LRA 149B) 5 cm N	/lucky Peat or Peat (S3) (LRR K, L, R)
Hydroge	en Sulfide (A4)		Loamy Mucky	Mineral (F	1) (LRR K	ί, L)	Dark S	Surface (S7) (LRR K, L)
Stratified	d Layers (Ab) d Below Dark Surfac	e (A11)	Loamy Gleyed	iviatrix (F∡ x (F3)	<u><)</u>		Polyva Thin D	liue Below Sufface (S8) (LRR K, L)
Thick Da	ark Surface (A12)	0 (/ (11))	✓ Redox Dark Su	urface (F6))		Iron-M	anganese Masses (F12) (LRR K, L, R)
Sandy M	lucky Mineral (S1)		Depleted Dark	Surface (I	F7)		Piedm	ont Floodplain Soils (F19) (MLRA 149B)
Sandy G	Bleyed Matrix (S4)		Redox Depress	sions (F8)			Mesic	Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy R	Redox (S5)						Red P	arent Material (F21)
Stripped	I Matrix (S6) rface (S7) (I RR R II		B)				Very S	Shallow Dark Sufface (TF12) (Explain in Remarks)
			2)					
³ Indicators o	f hydrophytic vegeta	tion and w	etland hydrology mu	st be pres	ent, unles	s disturbed	or problemation	2.
Restrictive	Layer (if observed):							
Type:							Hydric Soil	Prosent? Vos V No
Depth (in	ches):						Hyune Son	
Remarks:								

W4

WETLAND DETERM	IINATION DATA FORM – Northcentral	and Northeast Region
Project/Site: Line 1580: 2020	City/County: Oxford	Sampling Date: 2020-09-24
Applicant/Owner: Eversource		State: Connecticut Sampling Point: 1434 1C
Investigator(s): SME,JSC	Section, Township, Range:	
Landform (hillslope, terrace, etc.): Depression	Local relief (concave, convex, no	ne)· None Slope (%)· 3-5
Subregion (LRR or MLRA): R144A	Lat: 41.4469299	3.1397814 Datum: NAD 83
Soil Mon Unit Name: 13 Walpole sandy loam	Lat Long	NW/L classification: PSS1F
An aligned in the half of the part of the site that is that is the site that is that is the site that is that i		
Are climatic / hydrologic conditions on the site typi	cal for this time of year? Yes No	(If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology	significantly disturbed? Are "Norma	I Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology	naturally problematic? (If needed, e	explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach sit	e map showing sampling point location	ons, transects, important features, etc.
	Is the Sampled Area	
Hydrophytic Vegetation Present? Yes	within a Wetland?	Yes 🖌 No
Hydric Soll Present? Yes		143410
Weiland Hydrology Present? Yes	If yes, optional Wetland	Site ID: 1454 16
HYDROLOGY		
Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required;	heck all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)	✓ Water-Stained Leaves (B9)	Drainage Patterns (B10)
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots (C3)	Saturation Vis ble on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
 Inundation Visible on Aerial Imagery (B7) 	Other (Explain in Remarks)	 Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)		✓ FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes No	Depth (inches):	
Water Table Present? Yes No	✓ Depth (inches):	
Saturation Present? Yes No (includes capillary fringe)	Depth (inches): Wetland H	Hydrology Present? Yes <u> </u>

Remarks:

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant	Indicator	Dominance Test worksheet:
Acer rubrum	<u>% Cover</u> 20		FAC	Number of Dominant Species
1. <u>Acci rubrum</u>				That Are OBL, FACW, or FAC: <u>5</u> (A)
2				Total Number of Dominant
3				Species Across All Strata: <u>5</u> (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 100.00 (A/B)
6				Broyalanco Indox workshoot:
7.				Total % Cover of: Multiply by:
	20	– Total Cov		1000000000000000000000000000000000000
Conting/Charles (Distained 15 ft r)		- 10(a) 00		EACW species 100 $x_2 = 200$
Sapling/Shiub Stratum (Plot size. 10101)	20			EAC species 20 $x_3 = 60$
	20			FACU species 0 $x 4 = 0$
2. Lindera benzoin	20	~	FACW	UPL species 0 $x_5 = 0$
3. Symphyotrichum puniceum	10	~	OBL	Column Totals: 140 (A) 280 (B)
4				
5				Prevalence Index = B/A = 2.00
6.				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
/·	50			✓ 2 - Dominance Test is >50%
E ft -	<u> </u>		/er	✓ 3 - Prevalence Index is $\leq 3.0^1$
Herb Stratum (Plot size: 51(1))				4 - Morphological Adaptations ¹ (Provide supporting
1. Impatiens capensis	60	<u> </u>	FACW	data in Remarks or on a separate sheet)
2. Symphyotrichum puniceum	10		OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
3				
4.				be present, unless disturbed or problematic.
5				
6				Definitions of vegetation Strata:
				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
/				at breast height (DBH), regardless of height.
8			·	Sapling/shrub – Woody plants less than 3 in. DBH
9			·	and greater than or equal to 3.28 ft (1 m) tall.
10			<u> </u>	Herb - All herbaceous (non-woody) plants, regardless
11				of size, and woody plants less than 3.28 ft tall.
12				Woody vines – All woody vines greater than 3.28 ft in
	70	= Total Cov	/er	height.
Woody Vine Stratum (Plot size: 30 ft r)				
1			·	
2			·	
3				Hydrophytic
4			<u> </u>	Present? Yes V No
	0	= Total Cov	/er	
Remarks: (Include photo numbers here or on a separate	sheet.)			

SOIL	
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Profile Desc	cription: (Describe	to the de	oth needed to docu	ment the	indicator	or confirm	n the absence of indicators.)
Depth	Matrix		Redo	ox Feature	S1	. 2	
(inches) 0 - 12	Color (moist)	<u>%</u> 100	Color (moist)	%	Type		Texture Remarks
10 16	10 YR 6/2	75		25			Sandy Loom
12 - 10	1018 0/2	/5	7.51R 4/0	25	<u> </u>		
-							
-							
-							
-							
						·	
- 1 							
Type: C=C Hvdric Soil	oncentration, D=Dep	letion, RIV	=Reduced Matrix, M	S=Maske	d Sand Gr	ains.	Indicators for Problematic Hydric Soils ³ :
Histosol	(A1)		Polvvalue Belo	w Surface	(S8) (LRI	R.	2 cm Muck (A10) (LRR K. L. MLRA 149B)
 Histic Ep 	pipedon (A2)		MLRA 149B	5)	(,	Coast Prairie Redox (A16) (LRR K, L, R)
🖌 Black Hi	stic (A3)		Thin Dark Surfa	ace (S9) (LRR R, M	LRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
Hydroge	en Sulfide (A4)		Loamy Mucky I	Mineral (F	1) (LRR K	(, L)	Dark Surface (S7) (LRR K, L)
Stratified	d Layers (A5)	()	Loamy Gleyed	Matrix (F2	<u>2)</u>		Polyvalue Below Surface (S8) (LRR K, L)
Depleted	d Below Dark Surfac	e (A11)	Depleted Matri	X (F3) urface (E6)			I nin Dark Sufface (S9) (LRR K, L)
Thick Da	Aik Suilace (A12) Aucky Mineral (S1)		Reuox Dark St	Surface (F0)) =7)		Piedmont Floodplain Soils (F12) (MI RA 149
Sandy G	Reved Matrix (S4)		Depleted Dark	sions (F8)	')		Mesic Spodic (TA6) (MLRA 144A 145 149B)
Sandy R	Redox (S5)						Red Parent Material (F21)
Stripped	Matrix (S6)						Very Shallow Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, M	MLRA 149	B)				Other (Explain in Remarks)
³ Indicators o	f hydrophytic vegeta	tion and w	etland hydrology mu	st be pres	ent, unles:	s disturbed	l or problematic.
Restrictive	Layer (if observed):						
Туре:							
Depth (in	ches):						Hydric Soil Present? Yes <u>V</u> No
Remarks:							

W5

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: 1580 Segment 4	_ City/County: <u>New Haven County</u> Sampling Date: 2023-12-15
Applicant/Owner: Eversource	State: Connecticut Sampling Point: 1580 Segment 4 W5
Investigator(s): Matt Regan	Section, Township, Range:
Landform (hillslope, terrace, etc.): Marsh	Local relief (concave, convex, none): Concave Slope (%): 0-1
Subregion (LRR or MLRA): R144A Lat: 41.447139	Datum: WGS 84
Soil Map Unit Name: 60B - Canton and Charlton fine sandy	loams, 3 to 8 percent slopes NWI classification: PEM1E
Are climatic / hydrologic conditions on the site typical for this time of	year? Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significan	itly disturbed? Are "Normal Circumstances" present? Yes 🗾 No
Are Vegetation, Soil, or Hydrology naturally	problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showin	ng sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes V	Is the Sampled Area
Hydric Soil Present? Yes <u>V</u> No	within a Wetland? Yes No
Wetland Hydrology Present? Yes <u>Ves</u> No	If yes, optional Wetland Site ID: W5
Remarks: (Explain alternative procedures here or in a separate rep	port.)
Recent climate is wetter than normal	

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
✓ Surface Water (A1) ✓ Water-Stained Leaves (B9)	Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizospheres on Living	Roots (C3) 🗹 Saturation Vis ble on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled So	oils (C6) <u> </u>
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes <u>/</u> No Depth (inches): <u>2</u>	
Water Table Present? Yes <u>Ves</u> No Depth (inches): <u>0</u>	
Saturation Present? Yes V No Depth (inches): 8	Wetland Hydrology Present? Yes V
(includes capillary fringe)	
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec	tions), if available:
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec	tions), if available:
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec	tions), if available:
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec	tions), if available:
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec Remarks:	tions), if available:
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec Remarks:	tions), if available:
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec Remarks:	tions), if available:
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec Remarks:	tions), if available:
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec Remarks:	tions), if available:
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec Remarks:	tions), if available:
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec Remarks:	tions), if available:
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec Remarks:	tions), if available:
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec Remarks:	tions), if available:
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec Remarks:	tions), if available:

Sampling Point: 1580 Segment 4 W5

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species
1		·		That Are OBL, FACW, or FAC: <u>3</u> (A)
2 3				Total Number of Dominant Species Across All Strata: (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 75.00 (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
	0	= Total Co	ver	$\frac{1}{\text{OBL species } 5} \frac{5}{\text{x 1} = 5}$
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species <u>50</u> x 2 = <u>100</u>
1. Alnus incana	50	~	FACW	FAC species $\frac{20}{20}$ x 3 = $\frac{60}{100}$
2. Rosa multiflora	30	~	FACU	FACU species $\frac{30}{2}$ $x 4 = \frac{120}{2}$
3. Acer rubrum	20	~	FAC	UPL species 0 $x_5 = 0$
4.	_			Column Totals: (A) (B)
5.	_			Prevalence Index = B/A = 2.71
6.				Hydrophytic Vegetation Indicators:
7.				1 - Rapid Test for Hydrophytic Vegetation
	100	= Total Co	ver	✓ 2 - Dominance Test is >50%
Herb Stratum (Plot size: 5 ft r)		- 1010100		\checkmark 3 - Prevalence Index is ≤3.0 ¹
1 Symplocarpus foetidus	5	~	OBI	4 - Morphological Adaptations ¹ (Provide supporting
1. <u></u>				Problematic Hydrophytic Vegetation ¹ (Explain)
2				
3		·		¹ Indicators of hydric soil and wetland hydrology must
4				be present, unless disturbed or problematic.
5				Definitions of Vegetation Strata:
6				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
7				at breast height (DBH), regardless of height.
8				Sapling/shrub – Woody plants less than 3 in. DBH
9		·		and greater than or equal to 3.28 ft (1 m) tall.
10				Herb – All herbaceous (non-woody) plants, regardless
11				of size, and woody plants less than 3.26 it tail.
12		·		Woody vines – All woody vines greater than 3.28 ft in beight
	5	= Total Co	ver	noight.
Woody Vine Stratum (Plot size: 30 ft r)				
1				
2				
3	<u> </u>			Hydrophytic
4				Vegetation
	0	= Total Co	ver	
Remarks: (Include photo numbers here or on a separate	sheet.)			

Profile Desc	ription: (Describe	to the dep	oth needed to docur	nent the i	indicator	or confirm	n the absence of indica	tors.)
Depth	Depth <u>Matrix</u>		Redo	<u>x Featur</u> e	s			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 10	10YR 2/1	100		<u> </u>			Muck	
10 - 20	10YR 4/1	95	10YR 4/4	5	С	М	Silty Clay Loam	
		·			·		<u> </u>	
							<u> </u>	
-								
		- <u></u>						
		·					·	
		·		·				
		·			·		·	
-				<u></u>				
-								
¹ Type: C=Co	oncentration, D=Dep	letion, RM	=Reduced Matrix, MS	S=Masked	d Sand Gr	ains.	² Location: PL=Por	e Lining, M=Matrix.
Hydric Soil	Indicators:		, , ,				Indicators for Probl	ematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belov	w Surface	(S8) (LRI	R R,	2 cm Muck (A10) (LRR K, L, MLRA 149B)
🖌 Histic Ep	pipedon (A2)		MLRA 149B))			Coast Prairie Re	edox (A16) (LRR K, L, R)
🖌 Black Hi	stic (A3)		Thin Dark Surfa	ace (S9) (I	RR R, M	LRA 149B	s) 5 cm Mucky Pea	at or Peat (S3) (LRR K, L, R)
Hydroge	n Sulfide (A4)		Loamy Mucky Muc	Aineral (F	1) (LRR K	(, L)	Dark Surface (S	7) (LRR K, L)
Stratified	l Layers (A5)		Loamy Gleyed	Matrix (F2	<u>?</u>)		Polyvalue Below	/ Surface (S8) (LRR K, L)
Depleted	d Below Dark Surfac	e (A11)	 Depleted Matrix 	(F3)			Thin Dark Surface	ce (S9) (LRR K, L)
Thick Da	ark Surface (A12)		Redox Dark Su	rface (F6)			Iron-Manganese	Masses (F12) (LRR K, L, R)
Sandy M	lucky Mineral (S1)		Depleted Dark \$	Surface (F	7)		Piedmont Flood	plain Soils (F19) (MLRA 149B)
Sandy G	leyed Matrix (S4)		Redox Depress	ions (F8)			Mesic Spodic (T	A6) (MLRA 144A, 145, 149B)
Sandy R	edox (S5)						Red Parent Mate	erial (F21)
Stripped	Matrix (S6)						Very Shallow Da	ark Surface (TF12)
Dark Su	rface (S7) (LRR R, N	/ILRA 149	B)				Other (Explain in	n Remarks)
3								
Indicators of Restrictive I	aver (if observed):	tion and w	etland hydrology mus	st be prese	ent, unles:	s disturbed	d or problematic.	
Type:								
Depth (inc	ches):						Hydric Soil Present?	Yes 🖌 No
Remarks:	,							

W6

_ . . .

WEILAND DETERMINATION DA	A FORM – Northcentral and Northeast Region	
Project/Site: 1580 Segment 4	_ City/County: New Haven County Sampling Date: 20	23-12-15
Applicant/Owner: Eversource	State: Connecticut Sampling Point: 1	1580 Segment 4 W6
Investigator(s): Matt Regan	_ Section, Township, Range:	
Landform (hillslope, terrace, etc.): Marsh	Local relief (concave, convex, none): Concave Slope ((%): <mark>0-1</mark>
Subregion (LRR or MLRA): R 144A Lat: 41.445982	2 Long: -73.140125 Datum: V	WGS 84
Soil Map Unit Name: 38C - Hinckley loamy sand, 3 to 15 pe	rcent slopes NWI classification:	
Are climatic / hydrologic conditions on the site typical for this time of	vear? Yes No 🗸 (If no, explain in Remarks.)	
Are Vegetation . Soil . or Hydrology significan	Are "Normal Circumstances" present? Yes	No
Are Vegetation Soil or Hydrology naturally	problematic? (If needed, explain any answers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map showin	ig sampling point locations, transects, important feat	ures, etc.
Hydrophytic Vegetation Present? Yes <u>Ves</u> No	Is the Sampled Area	
Hydric Soil Present? Yes <u>V</u> No	within a Wetland? Yes No	
Wetland Hydrology Present? Yes <u>V</u> No	_ If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures here or in a separate replacement of the sepa	port.)	
Recent climate conditions are wetter than	normal.	
HYDROLOGY		
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two	o required)
Primary Indicators (minimum of one is required; check all that apply	/) Surface Soil Cracks (B6)	
Surface Water (A1) Water-Staine	d Leaves (B9) V Drainage Patterns (B10)	
High Water Table (A2) Aquatic Faur	a (B13) Moss Trim Lines (B16)	
Saturation (A3) Marl Deposit	S (B15) Dry-Season Water Table (C2)	
Water Marks (B1) Hydrogen St	Inde Odor (C1) Crayns Burrows (C8)	····· (CO)
Sediment Deposits (B2) Oxidized Rhi	Zospheres on Living Roots (C3) Saturation VIsible on Aerial Image	ery (C9)
Drift Deposits (B3) Presence of	Reduced Iron (C4) Stunted of Stressed Plants (D1)	
Algal Mat of Clust (B4) Recent from Kee Doposite (B5) Thin Muck Si	urface (C7) Shallow Aquitard (D2)	
ITMI Muck Si	in in Remarks) Microtopographic Relief (D4)	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)	
Field Observations:		
Surface Water Present? Yes V No Depth (inche	es): 4	
Water Table Present? Yes <u>V</u> No Depth (inche	es): 8	
Saturation Present? Yes Ves No Depth (inche (includes capillary fringe)	es): 0 Wetland Hydrology Present? Yes <u></u> N	lo
Describe Recorded Data (stream gauge, monitoring well, aerial pho	otos, previous inspections), if available:	
Remarks:		

Sampling Point: 1580 Segment 4 W6

Trop Stratum (Plot size: 30 ft r)	Absolute	Dominant	Indicator	Dominance Test worksheet:
	76 COVEL	Species :	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: \angle (A)
2				Total Number of Dominant
3				Species Across All Strata: <u> </u>
4		·	·	Percent of Dominant Species
5				
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
	0	= Total Cov	ver	OBL species 0 x 1 = 0
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species $\frac{10}{10}$ x 2 = $\frac{20}{10}$
1. Rosa multiflora	50	~	FACU	FAC species $\frac{30}{50}$ x 3 = $\frac{90}{200}$
2.				FACU species 50 $x 4 = 200$
3				UPL species $\frac{0}{00}$ x 5 = $\frac{0}{210}$
4				Column Totals: 90 (A) 310 (B)
				Prevalence Index = $B/A = 3.44$
5				Hudronhutia Vagatatian Indiastara:
6				Hydrophytic vegetation indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
	50	= Total Cov	ver	2° 2 · Dominance results > 50%
Herb Stratum (Plot size: 5 ft r)				4 - Morphological Adaptations ¹ (Provide supporting
_{1.} Solidago rugosa	30	~	FAC	data in Remarks or on a separate sheet)
2. Onoclea sensibilis	10	~	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
3.				
4				¹ Indicators of hydric soil and wetland hydrology must
T				be present, unless disturbed of problematic.
3				Definitions of Vegetation Strata:
6				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
7				at breast height (DBH), regardless of height.
8				Sapling/shrub – Woody plants less than 3 in. DBH
9				and greater than or equal to 3.28 ft (1 m) tall.
10				Herb - All herbaceous (non-woody) plants, regardless
11				of size, and woody plants less than 3.28 ft tall.
12				Woody vines – All woody vines greater than 3.28 ft in
	40	= Total Cov	ver	height.
Woody Vine Stratum (Plot size: 30 ft r)				
1				
··				
2				
3				Hydrophytic Vegetation
4				Present? Yes <u>V</u> No
	0	= Total Cov	ver	
Remarks: (Include photo numbers here or on a separate	sheet.)			

Profile Desc	ription: (Describe	to the de	oth needed to docur	ment the i	ndicator	or confirm	m the absence of indicators.)	
Depth	Matrix		Redo	x Feature	S1		·	
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type'	Loc	Texture Remarks	
0 - 10	10YR 3/1	100					Silt Loam	
10 - 20	10YR 4/1	95	10YR 4/4	5	С	М	Silty Clay Loam	
-								
								—
-						. <u> </u>		
-								
		·						
		·				·		—
-								
-								
-								
		·						
		·						
-								
¹ Type: C=Co	oncentration, D=Dep	letion, RN	=Reduced Matrix, M	S=Masked	Sand Gr	ains.	² Location: PL=Pore Lining, M=Matrix.	
Hydric Soil	Indicators:						Indicators for Problematic Hydric Soils ³ :	
Histosol	(A1)		Polyvalue Belo	w Surface	(S8) (LR I	R R,	2 cm Muck (A10) (LRR K, L, MLRA 149B)
HISTIC Ep Black Hi	stic (A3)		Thin Dark Surfa) ace (59) (1	RRR M	I RA 149R	Coast Prairie Redox (A16) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K L	R)
Hydroge	en Sulfide (A4)		Loamy Mucky	Mineral (F	1) (LRR K	(, L)	Dark Surface (S7) (LRR K, L)	,
Stratified	d Layers (A5)		Loamy Gleyed	Matrix (F2	2)		Polyvalue Below Surface (S8) (LRR K, L)	
Depleted	d Below Dark Surface	e (A11)	 Depleted Matrix 	k (F3)			Thin Dark Surface (S9) (LRR K, L)	
Thick Da	ark Surface (A12)		Redox Dark Su	Irface (F6)			Iron-Manganese Masses (F12) (LRR K, L	, R)
Sandy N	lucky Mineral (51)		Depleted Dark	Surface (F	.7)		Pleamont Floodplain Solis (F19) (MLRA 1 Mesic Spodic (TA6) (MLRA 144A, 145, 14	49B)
Sandy B	Redox (S5)		Redux Depless				Red Parent Material (F21)	(3D)
Stripped	Matrix (S6)						Very Shallow Dark Surface (TF12)	
Dark Su	rface (S7) (LRR R, N	/LRA 149	B)				Other (Explain in Remarks)	
³ Indicators of	f hydrophytic vegetat	tion and w	etland hydrology mus	st be prese	ent, unles	s disturbed	d or problematic.	
Restrictive	Layer (if observed):							
lype:								
Depth (inc	ches):						Hydric Soil Present? Yes <u>Yes</u> No	
Remarks:								

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Line 1580: 2020	City/County: Oxford	Sampling Date: 2020-09-24
Applicant/Owner: Eversource	State: _ ^C	onnecticut Sampling Point: 1430 2A JSC
Investigator(s): SME, JSC	Section, Township, Range:	
Landform (hillslope, terrace, etc.): Depression	ocal relief (concave, convex, none): <u>Conc</u>	save Slope (%): <u>3-5</u>
Subregion (LRR or MLRA): R 144A Lat: 41.443389	9 Long: -73.1416098	B Datum: NAD 83
Soil Map Unit Name: <u>3 Ridgebury, Leicester, nand Whitman s</u>	soils NWI of	classification: PSS1E
Are climatic / hydrologic conditions on the site typical for this time of y	ear? Yes No 🖌 (If no, expla	ain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly	y disturbed? Are "Normal Circumsta	nces" present? Yes No _
Are Vegetation, Soil, or Hydrology naturally pr	roblematic? (If needed, explain any	answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing	g sampling point locations, tran	sects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes 🖌	No No No	Is the Sampled Area within a Wetland? Yes <u>V</u> No If yes, optional Wetland Site ID: <u>1430 2A</u>
Remarks: (Explain alternative procedur	es here or in a	separate report.)	
Drought			

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

Sampling Point: 1430 2A JSC

Trans Olympic (Distribution 20 ft r	Absolute	Dominant	Indicator	Dominance Test worksheet:
Acer rubrum	<u>% Cover</u>	<u>Species</u> ?	FAC	Number of Dominant Species
1. Fogue grandifelia				That Are OBL, FACW, or FAC: <u>5</u> (A)
2. Fagus granditolla	10	-	FACO	Total Number of Dominant
3			<u> </u>	Species Across All Strata: <u>6</u> (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 03.33 (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of:Multiply by:
	50	= Total Co	ver	OBL species <u>100</u> x 1 = <u>100</u>
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species $\frac{25}{22}$ x 2 = $\frac{50}{122}$
_{1.} Salix nigra	40	~	OBL	FAC species 50 $x_3 = 150$
2. Ilex verticillata	20	~	FACW	FACU species $\frac{10}{2}$ $x 4 = \frac{40}{2}$
3.			OBL	UPL species 0 $x_5 = 0$
4.				Column Totals: $(A) = (A) = (B)$
5				Prevalence Index = B/A = 1.84
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
/	60	Tatal Oa		✓ 2 - Dominance Test is >50%
5 ft r			ver	✓ 3 - Prevalence Index is ≤3.0 ¹
Herb Stratum (Plot size: <u>5101</u>)	40		0.01	4 - Morphological Adaptations ¹ (Provide supporting
1. Typna latifolia	40	<u> </u>	OBL	data in Remarks or on a separate sheet)
2. Scirpus expansus	20	~	OBL	Problematic Hydrophytic Vegetation' (Explain)
3. <u>Hypericum ascyron</u>	10		FAC	¹ Indicators of hydric soil and wetland hydrology must
4. Bidens heterodoxa	5		FACW	be present, unless disturbed or problematic.
5				Definitions of Vegetation Strata:
6				Tree Weady plants 2 in (7.6 cm) or more in diameter
7				at breast height (DBH), regardless of height.
8	<u> </u>			Sanling/shrub – Woody plants less than 3 in DBH
9				and greater than or equal to 3.28 ft (1 m) tall.
10.				Herb – All berbaceous (non-woody) plants, regardless
11				of size, and woody plants less than 3.28 ft tall.
12				Woody vines – All woody vines greater than 3.28 ft in
12	75	- Total Ca		height.
Weady Vine Stratum (Plat aize: 30 ft r		- 10tal 00	vei	
1				
2				
3			<u> </u>	Hydrophytic Vogetation
4				Present? Yes <u>V</u> No
	0	= Total Co	ver	
Remarks: (Include photo numbers here or on a separate	sheet.)			

SOIL	
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Profile Desc	ription: (Describe	to the de	oth needed to docur	nent the	indicator	or confirm	n the absence of indicators.)
Depth	Matrix		Redo	x Feature	es		
(inches)	Color (moist)	%	Color (moist)	%	Type	Loc	Texture Remarks
5 - 0	10YR 3/1	100		<u> </u>		·	Peat
0 - 11	10YR 2/1	100		<u> </u>			Mucky Peat
11 - 16	10YR 5/1	80	7.5YR 5/8	20	С	Μ	Sandy Loam
				<u> </u>			
-							
-				<u> </u>			
-		<u> </u>		<u>.</u>			
-							
-							
-							
-					_		
-							
¹ Type: C=Co	oncentration, D=Der	letion, RM	=Reduced Matrix, MS	S=Maske	d Sand Gr	ains.	² Location: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators:		,				Indicators for Problematic Hydric Soils ³ :
Histosol <u> </u>	(A1) bipedon (A2) stic (A3)		Polyvalue Belov MLRA 149B) Thin Dark Surfa	w Surface) ace (S9) (e (S8) (LR LRR R, M	R R, LRA 149B)	 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
Hydroge	n Sulfide (A4)		Loamy Mucky N	/lineral (F Matrix (F:	1) (LRR K 2)	K, L)	Dark Surface (S7) (LRR K, L)
Depleted	d Below Dark Surfac	e (A11)	Depleted Matrix	(F3)	<u>~</u>)		Thin Dark Surface (S9) (LRR K, L)
Thick Da	ark Surface (A12)		Redox Dark Su	rface (F6))		Iron-Manganese Masses (F12) (LRR K, L, R)
Sandy N	lucky Mineral (S1)		Depleted Dark S	Surface (I ions (F8)	F7)		Piedmont Floodplain Soils (F19) (MLRA 149B Mesic Spodic (TA6) (MLRA 144A 145 149B)
Sandy R	ledox (S5)						Red Parent Material (F21)
Stripped	Matrix (S6)						Very Shallow Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, I	WLRA 149	В)				Other (Explain in Remarks)
³ Indicators of	f hydrophytic vegeta	tion and w	etland hydrology mus	st be pres	ent, unles	s disturbed	l or problematic.
Type:	Layer (If observed)						
Depth (inc	ches):						Hydric Soil Present? Yes 🖌 No
Remarks:							



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Line 1580: 2020 (City/County: Oxford Sampling Date: 2020-09-24
Applicant/Owner: Eversource	State: Connecticut Sampling Point: 1430 1A
Investigator(s): SME, JSC	Section, Township, Range:
Landform (hillslope, terrace, etc.): Depression	al relief (concave, convex, none): <u>Concave</u> Slope (%): <u>3-5</u>
Subregion (LRR or MLRA): <u>R 144A</u> Lat: <u>41.4430542</u>	Long: -73.1419876 Datum: NAD 83
Soil Map Unit Name: 3 Ridgebury, Leicester, and Whitman soil	Is NWI classification: PSS
Are climatic / hydrologic conditions on the site typical for this time of year	ar? Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly of	disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally prof	blematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing	sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes V No Hydric Soil Present? Yes V No Wetland Hydrology Present? Yes V No	Is the Sampled Area within a Wetland? Yes <u>Ves</u> No If yes, optional Wetland Site ID:

Remarks: (Explain alternative procedures here or in a separate report.)

Drought

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

Sampling Point: 1430 1A

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1				That Are OBL, FACW, or FAC: 4 (A)
2			FAC	Total Number of Dominant
3		·		Species Across All Strata: <u>4</u> (B)
4		·		Percent of Dominant Species
5		·	FAC	That Are OBL, FACW, or FAC: 100.00 (A/B)
6				Prevalence Index worksheet:
7		·		Total % Cover of: Multiply by:
	0	= Total Cov	ver	OBL species $\frac{100}{65}$ x 1 = $\frac{100}{120}$
Sapling/Shrub Stratum (Plot size: 15 ft r)			54014	FACW species $\frac{03}{10}$ $x_2 = \frac{130}{30}$
1. Alnus incana	40	<u> </u>	FACW	FAC species 10 $x_3 = 00$
2. <u>Ilex verticillata</u>	20	<u> </u>	FACW	UPL species 0 $x_5 = 0$
3. <u>Clethra alnifolia</u>	10	·	FAC	Column Totals: 175 (A) 260 (B)
4. Salix nigra	10		OBL	
5				Prevalence Index = $B/A = 1.49$
6				Hydrophytic Vegetation Indicators:
7				✓ 1 - Rapid Test for Hydrophytic Vegetation
	80	= Total Cov	ver	\checkmark 2 - Dominance Test is >50%
Herb Stratum (Plot size: 5 ft r)				\checkmark 3 - Prevalence Index IS $\leq 3.0^{\circ}$
1. Persicaria sagittata	40	~	OBL	data in Remarks or on a separate sheet)
_{2.} Typha latifolia	40	~	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
3. Scirpus expansus	10		OBL	
4. Bidens heterodoxa	5		FACW	be present, unless disturbed or problematic.
5				Definitions of Vegetation Strata:
6				
7				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
8	_			Sanling/shrub Woody plants loss than 3 in DRH
9				and greater than or equal to 3.28 ft (1 m) tall.
10				Herb – All herbaceous (non-woody) plants, regardless
11.	_			of size, and woody plants less than 3.28 ft tall.
12.				Woody vines – All woody vines greater than 3.28 ft in
	95	= Total Cov	ver	height.
Woody Vine Stratum (Plot size: 30 ft r)				
1.				
2				
3				Hydrophytic
4				Vegetation
	0	= Total Cov	ver	Present? Yes <u>V</u> No
Remarks: (Include photo numbers here or on a separate	sheet.)	- 10101 00		

SOIL	
------	--

Profile Desc	ription: (Describe	to the dep	th needed to docur	nent the	indicator	or confirm	the absence of	indicators.)	
Depth	Matrix	0/	Redo	x Feature	S Turna ¹	L a - 2	Touture	Demorter	
(incnes) 6 - 0	10YR 3/1	<u>~~</u> 100	<u>Color (moist)</u>	%	<u>i ype</u>	LOC	Peat	KemarKS	
0 - 10	2.5Y 5/1	100		·	·		Silty Clay Loam		
10 - 24	10Y 6/1	70	5YR 4/6	30	С	М	Silty Clay		
-				·	·				
	-								
-				·	·				
-									
-									
-									
-									
-									
-									
¹ Type: C=Co	oncentration, D=Dep	letion, RM	=Reduced Matrix, MS	S=Masked	d Sand Gr	ains.	² Location:	PL=Pore Lining, M=Matrix.	
Hydric Soil	Indicators:		Polyvalue Belov	w Surface	(S8) (I R	RR	Indicators fo	r Problematic Hydric Soils":	
Histic Ep	pipedon (A2)		MLRA 149B)	Canade		,	Coast Pra	airie Redox (A16) (LRR K, L, R)	
Black Hi	stic (A3)		Thin Dark Surfa	ice (S9) (I /ineral (E		LRA 149B)) 5 cm Muo	cky Peat or Peat (S3) (LRR K, L, R)	
Stratified	d Layers (A5)		Loamy Gleyed	Loamy Mucky Mineral (F1) (LRR K, L) Loamy Gleyed Matrix (F2)			Polyvalue	e Below Surface (S8) (LRR K, L)	
Depleted	d Below Dark Surface	e (A11)	✓ Depleted Matrix	Depleted Matrix (F3)			Thin Dark Surface (S9) (LRR K, L)		
Thick Da	ark Surface (A12) Aucky Mineral (S1)		Redox Dark Su	Redox Dark Surface (F6) Iron-Manganese Masses (F12) (LI Depleted Dark Surface (F7) Piedmont Eloodolain Soils (F19) (I			ganese Masses (F12) (LRR K, L, R) t Eloodolain Soils (E19) (MI BA 149B)		
Sandy N	Bleyed Matrix (S4)		Redox Depress	Bedox Depressions (F8)			odic (TA6) (MLRA 144A, 145, 149B)		
Sandy R	edox (S5)		· · ·			Red Pare	ent Material (F21)		
Stripped	Matrix (S6)	NI RA 1491	3)				Very Sha	Illow Dark Surface (TF12)	
			_)						
³ Indicators of Restrictive I	f hydrophytic vegetat	ion and we	etland hydrology mus	t be pres	ent, unles	s disturbed	or problematic.		
Type:									
Depth (inc	ches):						Hydric Soil Pr	resent? Yes 🖌 No	
Remarks:	, <u> </u>								

W8-1

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: 1580 Line Rebuild	City/County: Oxford	Sampling Date: <u>3/25/2024</u>
Applicant/Owner: Eversource	State:	CT Sampling Point: 1428
Investigator(s): R. Canavan	Section, Township, Range:	
Landform (hillside, terrace, etc.): hillside	_Local relief (concave, convex, none): <u>concave</u>	Slope (%):1
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 41.439741	Long: _73.144506	Datum: NAD 83
Soil Map Unit Name: 75C Hollis-Chatfield-Rock outcrop complex	NWI clas	sification: PSS
Are climatic / hydrologic conditions on the site typical for this time c	of year? Yes X No (If no, expla	ain in Remarks.)
Are Vegetation X , Soil , or Hydrology signific	antly disturbed? Are "Normal Circumstances"	present? Yes No X
Are Vegetation, Soil, or Hydrologynatural	ly problematic? (If needed, explain any answe	ers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes X	No	Is the Sampled Area Yes X No within a Wetland? Yes X No If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes X	No	
Wetland Hydrology Present?	Yes X	No	
Remarks: (Explain alternative procedure Vegetation managed in ROW	s here or in	a separate report.)	

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
x Surface Water (A1) x Water-Stained Leaves (B9)	Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizospheres on Livin	g Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes x No Depth (inches): 3"	
Water Table Present? Yes No Depth (inches)	
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes X No
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes X No
Saturation Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective)	Wetland Hydrology Present? Yes X No ections), if available:
Saturation Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective	Wetland Hydrology Present? Yes X No ections), if available:
Saturation Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective)	Wetland Hydrology Present? Yes X No ections), if available:
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes X No ections), if available:
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes X No ections), if available:
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes X No ections), if available:
Saturation Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Remarks: Remarks: Observations made after a significant rain event on 3/23/24. A ditched outlet to the well	Wetland Hydrology Present? Yes X No ections), if available:
Saturation Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Remarks: Remarks: Observations made after a significant rain event on 3/23/24. A ditched outlet to the well	Wetland Hydrology Present? Yes X No ections), if available:
Saturation Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Remarks: Remarks: Observations made after a significant rain event on 3/23/24. A ditched outlet to the well	Wetland Hydrology Present? Yes X No ections), if available:
Saturation Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Remarks: Remarks: Observations made after a significant rain event on 3/23/24. A ditched outlet to the well	Wetland Hydrology Present? Yes X No ections), if available:
Saturation Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Remarks: Remarks: Observations made after a significant rain event on 3/23/24. A ditched outlet to the well	Wetland Hydrology Present? Yes X No ections), if available:
Saturation Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Remarks: Observations made after a significant rain event on 3/23/24. A ditched outlet to the well	Wetland Hydrology Present? Yes X No ections), if available:

Sampling Point: 1428

Tree Stratum (Plot size:30 ft)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1 2.				Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
3.				Tatal Number of Deminorit
4.				Species Across All Strata:1(B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 100.0% (A/B)
7		·		Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15 ft)				OBL species x 1 =
1. Ilex verticillata	70	Yes	FACW	FACW species 70 x 2 = 140
2				FAC species $0 \times 3 = 0$
3		·		FACU species $0 x 4 = 0$
4		<u> </u>		UPL species $0 \times 5 = 0$
5.		·		Column Totals: 70 (A) 140 (B)
6.		·		Prevalence Index = $B/A = 2.00$
/		- <u></u>		Hydrophytic Vegetation Indicators:
Hack Obstance (Distained Second	70	= I otal Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size:5)				X_2 - Dominance Test is >50%
1. 				$\frac{X}{2}$ 3 - Prevalence index is ≤ 3.0
2		<u> </u>		data in Remarks or on a separate sheet)
3		·		Problematic Hydrophytic Vegetation ¹ (Evaluation)
4		·		
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
9				at breast height (DBH), regardless of height.
10		. <u> </u>		Sapling/shrub – Woody plants less than 3 in. DBH
11		·		and greater than or equal to 3.28 ft (1 m) tall.
12		·		Herb – All herbaceous (non-woody) plants, regardless
		=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in
1		·		height.
2		·		Hydrophytic
3				Vegetation
4				Present? Yes <u>X</u> No
Demarka: (Include photo numbers here er en e conc	rata abaat)	= I otal Cover		
Plot in managed ROW with trees removed. No herbac	ceous plant	present at time	e of year of ob	oservation.
	-			

Sampling Point:

Profile D	Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth	Matrix		Redo	x Feature	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-2	10YR 2/1	100					Mucky Sand	roots	
2-10	10YR 4/2	85	10YR 5/6	10	C	M	Sandy	Prominent redox concentration	ons
			10YR 6/2	5	D	Μ			
¹ Type ⁻ C	=Concentration D=D	– – Depletion R	M=Reduced Matrix C	S=Cover	red or Coa	ated Sand	Grains ² Lo	cation: PI =Pore Lining M=Matrix	<u>,</u>
Hvdric S	oil Indicators:			0010	00 01 000		Indicators fo	or Problematic Hydric Soils ³ :	
Histo	osol (A1)		Polyvalue Belov	v Surface	e (S8) (LR	RR,	2 cm Mu	ck (A10) (LRR K, L, MLRA 149B)
Histi	c Epipedon (A2)		MLRA 149B)		. , .		Coast Pr	rairie Redox (A16) (LRR K, L, R)	,
Blac	k Histic (A3)		, Thin Dark Surfa	ce (S9) (LRR R, N	ILRA 149	B) 5 cm Mu	cky Peat or Peat (S3) (LRR K, L,	R)
Hydr	rogen Sulfide (A4)		High Chroma Sa	ands (S1	1) (LRR #	(, L)	Polyvalu	e Below Surface (S8) (LRR K, L)	,
Strat	tified Layers (A5)		Loamy Mucky M	lineral (F	1) (LRR	(, L)	Thin Dar	k Surface (S9) (LRR K, L)	
Depl	eted Below Dark Surf	face (A11)	Loamy Gleyed I	pamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LR					
Thic	k Dark Surface (A12)		Depleted Matrix	(F3)			Piedmont Floodplain Soils (F19) (MLRA 149B)		
X Sand	dy Mucky Mineral (S1)	Redox Dark Sur	face (F6))		Mesic Spodic (TA6) (MLRA 144A, 145, 149B)		
Sand	dy Gleyed Matrix (S4)		Depleted Dark S	Surface (I	F7)		Red Parent Material (F21)		
X Sand	dy Redox (S5)		Redox Depress	ions (F8)			Very Shallow Dark Surface (TF12)		
Strip	ped Matrix (S6)		Marl (F10) (LRF	R K, L)			Other (E	xplain in Remarks)	
Dark	Surface (S7)								
³ Indicator	rs of hydrophytic vege	etation and	wetland hydrology mu	ist be pre	esent, unle	ess distur	bed or problematic	·	
Restricti	ve Layer (if observe	d):							
Type:	Rocks								
Depth	(inches):	10					Hydric Soil Pro	esent? Yes <u>X</u> No	
Remarks									
This data	a form is revised from	Northcentra	al and Northeast Regi	onal Sup	plement \	/ersion 2.	0 to reflect the NR	CS Field Indicators of Hydric Soils	6
version /	.0 March 2013 Enala	i. (nup.//ww	w.mcs.usda.gov/mer	net/FSE_		ENTS/HIC	s142p2_051293.dd	JCX)	

W9

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Line 1580: 2020	City/County: Oxford	Sampling Date: 2020-09-24		
Applicant/Owner: Eversource		State: <u>Connecticut</u> Sampling Point: <u>1423-1A-3</u>		
Investigator(s): SME, JSC	Section, Township, Range:			
Landform (hillslope, terrace, etc.): Depression	_ocal relief (concave, convex, none	B): Concave Slope (%): 0-3		
Subregion (LRR or MLRA): <u>R 144A</u> Lat: <u>41.431915</u>	3 Long:73.1	I479657 Datum: NAD 83		
Soil Map Unit Name: 47C Woodbridge fine sandy loam		NWI classification: PSS		
Are climatic / hydrologic conditions on the site typical for this time of	year?Yes No 🚩 (If	f no, explain in Remarks.)		
Are Vegetation, Soil, or Hydrology significant	tly disturbed? Are "Normal C	Circumstances" present? Yes No _		
Are Vegetation, Soil, or Hydrology naturally	problematic? (If needed, ex	plain any answers in Remarks.)		
SUMMARY OF FINDINGS – Attach site map showing	ng sampling point location	ns, transects, important features, etc.		
Hydrophytic Vegetation Present? Yes Vo	Is the Sampled Area			
Hydric Soil Present? Yes Ves No	within a Wetland?	Yes 🥙 No		
Wetland Hydrology Present? Yes <u>Ves</u> No	If yes, optional Wetland S	Site ID: 1423 1A		
Remarks: (Explain alternative procedures here or in a separate rep	port.)			
Drought				

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

Sampling Point: 1423-1A-3

Tree Stratum (Plot size: <u>30 ft r</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1				Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A)
2	<u> </u>			Total Number of Dominant
3				Species Across All Strata: <u>3</u> (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: <u>100</u> (A/B)
6.	_			
7	_			Prevalence Index worksheet:
		– Total Co	Vor	$\begin{array}{c c} \hline \hline$
Sapling/Shrub Stratum (Plot size: 15 ft r)		- 1010100	VCI	FACW species 10 $x_2 = 20$
<u>Jes verticillata</u>	10	~	FACW	FAC species 0 $x_3 = 0$
Ludwigia alternifolia	10		OBI	FACU species 0 x 4 = 0
				UPL species $0 x 5 = 0$
3		·	·	Column Totals: 100 (A) 110 (B)
45				Prevalence Index = $B/A = \frac{1.1}{1.1}$
6			·	Hydrophytic Vegetation Indicators:
7				 1 - Rapid Test for Hydrophytic Vegetation
1	20%		·	✓ 2 - Dominance Test is >50%
5 ft r	2078	= Total Co	ver	✓ 3 - Prevalence Index is ≤3.0 ¹
<u>Herb Stratum</u> (Plot size: <u>5111</u>) 1. Persicaria sagittata	60	~	OBL	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
2. Carex crinita	10		OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
3. Symphyotrichum puniceum	10		OBL	
4				¹ Indicators of hydric soil and wetland hydrology must
5		·		be present, unless disturbed of problematic.
				Definitions of Vegetation Strata:
o		·	·	Tree – Woody plants 3 in. (7.6 cm) or more in diameter
<i>1</i>			·	at breast height (DBH), regardless of height.
8			·	Sapling/shrub – Woody plants less than 3 in. DBH
9		·		
10				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall
11				
12		·	·	Woody vines – All woody vines greater than 3.28 ft in height.
	80%	= Total Co	ver	
Woody Vine Stratum (Plot size: 30 ft r)				
1				
2				
3				Hydrophytic
4				Vegetation Brosont2 Vos V No
		= Total Co	ver	
Remarks: (Include photo numbers here or on a separate	sheet.)			1

Profile Desc	ription: (Describe	to the de	pth needed to docu	ment the	indicator	or confirn	n the absence of indicators.)	
Depth	Matrix		Rede	ox Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type'	Loc ²	Texture Remarks	
0 - 7	10YR 3/1	90	5YR 6/8	10	C	PL	Silt Loam	
7 - 14	2.5Y 3/1	80	7.5YR 4/6	20	С	PL	Sandy loam	
-								
-								
-								
-								
-								
-				_				
-								
			·				· · · · · · · _ · _ · _ · _ ·	
							·	
- ¹ Turpe: C-C			- Roduced Metrix M			roino	² Location: DL-Dara Liping M-Matrix	<u> </u>
Hydric Soil I	Indicators:				u Sanu G	14115.	Indicators for Problematic Hydric Soils ³ :	
Histosol	(A1)		Polyvalue Belo	w Surfac	e (S8) (LR	RR,	2 cm Muck (A10) (LRR K, L, MLRA 149	B)
Histic Ep	oipedon (A2)		MLRA 1498) 200 (SO)			Coast Prairie Redox (A16) (LRR K, L, R)
Hydroge	en Sulfide (A4)		Loamy Mucky	Ace (39) Mineral (I	(LRR I) (LRR I	ILKA 1490 (, L)	Dark Surface (S7) (LRR K, L)	_, K)
Stratified	d Layers (A5)		Loamy Gleyed	Matrix (F	2)	, ,	Polyvalue Below Surface (S8) (LRR K, I	_)
Depleted	d Below Dark Surfac	e (A11)	Depleted Matri	x (F3)			Thin Dark Surface (S9) (LRR K, L)	
Thick Da	ark Surface (A12)		✓ Redox Dark Su	Inface (F6	S) (FZ)		Iron-Manganese Masses (F12) (LRR K,	L, R)
Sandy IV Sandy G	lucky Mineral (S1)		Depleted Dark Redox Depres	sions (F8	(F7))		Mesic Spodic (TA6) (MI RA 144A, 145	149B) 149B)
Sandy R	ledox (S5))		Red Parent Material (F21)	
Stripped	Matrix (S6)						Very Shallow Dark Surface (TF12)	
Dark Su	rface (S7) (LRR R, I	MLRA 149	B)				Other (Explain in Remarks)	
³ Indicators of	f hydrophytic vegeta	tion and w	etland hydrology mu	st be pres	sent, unles	s disturbed	d or problematic.	
Restrictive L	_ayer (if observed)							
Туре:							Hydric Soil Brosont? Vos V No	
Depth (inc	ches):							
Remarks.								

W10

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: 1580 Segment 4	City/County: New Haven Co	ounty S	ampling Date: 2023-10-18
Applicant/Owner: Eversource		State: Connecticut	Sampling Point: 1580 segment 4 W10
Investigator(s): Matt Regan and Claire Esterman	Section, Township, Range:		
Landform (hillslope, terrace, etc.): Marsh	ocal relief (concave, convex, nor	ne): Concave	Slope (%): 0
Subregion (LRR or MLRA): R144A Lat: 41.429564	8 Long: <u>-73</u>	.1488982	Datum: WGS 84
Soil Map Unit Name: <u>3 - Ridgebury, Leicester, and Whitman soils, 0 to</u>	o 8 percent slopes, extremely st	ony NWI classificati	ion:
Are climatic / hydrologic conditions on the site typical for this time of y	ear?YesNo_	(If no, explain in Ren	narks.)
Are Vegetation, Soil, or Hydrology significantly	y disturbed? Are "Normal	Circumstances" pre	sent? Yes 🖌 No
Are Vegetation, Soil, or Hydrology naturally pr	oblematic? (If needed, e	explain any answers	in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing	g sampling point locatio	ons, transects, i	mportant features, etc.
Hydrophytic Vegetation Present? Yes <u>Vegetation</u> No	Is the Sampled Area within a Wetland?	Yes 🗸	Νο

Hydric Soil Present?	Yes <u>V</u> No	within a Wetland? Yes 🥓 No
Wetland Hydrology Present?	Yes 🖌 No	If yes, optional Wetland Site ID:
Remarks: (Explain alternative proced	lures here or in a separate report.)	·
Climate conditions were	e wetter than normal.	

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
✓ Surface Water (A1) Water-Stained Leaves (B9)	Drainage Patterns (B10)
✓ High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
✓ Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizospheres on Living	Roots (C3) Saturation Vis ble on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Sc	pils (C6) Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	 FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes <u>V</u> No Depth (inches): 0.5	
Water Table Brogent? Veg Y No Donth (inches): 18	
Water Table Fresent? Fes No Depth (inches).	
Saturation Present? Yes <u>V</u> No Depth (inches): <u>10</u> (includes capillary fringe)	Wetland Hydrology Present? Yes <u></u> No
Saturation Present? Yes Yes Depth (inches): 10 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective	Wetland Hydrology Present? Yes <u>V</u> No tions), if available:
Saturation Present? Yes No Depth (inches): 10 Saturation Present? Yes No Depth (inches): 10 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec	Wetland Hydrology Present? Yes <u>V</u> No <u>No</u> tions), if available:
Saturation Present? Yes No Depth (inches): 10 (includes capillary fringe) No Depth (inches): 10 Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec	Wetland Hydrology Present? Yes <u>V</u> No <u>No</u> tions), if available:
Valer Fable Present? Yes No Depth (inches): 10 Saturation Present? Yes No Depth (inches): 10 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec Remarks: Remarks:	Wetland Hydrology Present? Yes <u>V</u> No <u>No</u> tions), if available:
Saturation Present? Yes No Depth (inches): 10 Saturation Present? Yes No Depth (inches): 10 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec Remarks:	Wetland Hydrology Present? Yes <u>V</u> No <u>No</u> .
Saturation Present? Yes No Depth (inches): 10 Saturation Present? Yes No Depth (inches): 10 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec Remarks:	Wetland Hydrology Present? Yes <u>V</u> No
Saturation Present? Yes No Depth (inches): 10 Saturation Present? Yes No Depth (inches): 10 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec Remarks:	Wetland Hydrology Present? Yes <u> No</u> No
Vale Fase First F	Wetland Hydrology Present? Yes <u>V</u> No <u>No</u>
Water Fable Present? Fes No Depth (inches). Saturation Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec Remarks:	Wetland Hydrology Present? Yes <u>V</u> No <u>No</u>
Saturation Present? Yes No Depth (inches): 10 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec Remarks:	Wetland Hydrology Present? Yes <u>V</u> No <u>No</u> .
Saturation Present? Yes No Depth (inches): 10 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec Remarks:	Wetland Hydrology Present? Yes <u>~</u> No tions), if available:
Saturation Present? Yes No Depth (inches): 10 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec Remarks: Remarks:	Wetland Hydrology Present? Yes <u>~</u> No tions), if available:
Vale Fase First F	Wetland Hydrology Present? Yes <u>~</u> No tions), if available:

Sampling Point: 1580 segment 4 W10

Tree Stratum (Plot size: <u>30 ft r</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1			·	Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A)
2				Total Number of Dominant
3			·	Species Across All Strata: <u>6</u> (B)
4			·	Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 100.00 (A/B)
6			·	Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
	0	= Total Co	ver	$\begin{array}{c} \hline \hline \\ $
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species <u>60</u> x 2 = <u>120</u>
1. Alnus incana	50	~	FACW	FAC species $\frac{5}{2}$ x 3 = $\frac{15}{2}$
2. Rosa palustris	10		OBL	FACU species 5 $x 4 = 20$
3. Hamamelis virginiana	5		FACU	UPL species 0 $x_5 = 0$
4.	_			Column Totals: (A)(B)
5.	_	-		Prevalence Index = $B/A = 1.85$
6.			·	Hydrophytic Vegetation Indicators:
7.			·	1 - Rapid Test for Hydrophytic Vegetation
	65	= Total Co	ver	✓ 2 - Dominance Test is >50%
Herb Stratum (Plot size: 5 ft r)		- 10101 00		\checkmark 3 - Prevalence Index is ≤3.0 ¹
1. Chelone glabra	15	~	OBL	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
2. Impatiens capensis	5	~	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
3. Osmundastrum cinnamomeum	5	~	FACW	1
4. Solidago rugosa	5	~	FAC	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
5. Symplocarpus foetidus	5	~	OBL	Definitions of Vegetation Strata
6.				
7.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
8.	_			Sanling/abruh Weady plante loss than 3 in DPH
9.	_			and greater than or equal to 3.28 ft (1 m) tall.
10.				Herb – All herbaceous (non-woody) plants, regardless
11.				of size, and woody plants less than 3.28 ft tall.
12.				Woody vines – All woody vines greater than 3.28 ft in
	35	= Total Co	ver	height.
Woody Vine Stratum (Plot size: 30 ft r)				
1.				
2				
3			·	Hudronhutio
۵ ۵			·	Vegetation
	0	– Total Co	ver	Present? Yes <u>V</u> No
Remarks: (Include photo numbers here or on a separate	sheet.)	- 10101 00		
	,			

Profile Desc	ription: (Describe	to the de	pth needed to docu	ment the	indicator	or confirm	n the absence of ind	icators.)	
Depth	Matrix	<u>.</u>	Redo	x Feature	S T 1	. 2	- .		
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Туре	Loc	Texture	Remarks	
0 - 18	10YR 3/1	100		_			Silty Clay Loam		
18 - 24	10YR 5/1	95	10YR 5/4	5	С	М	Loamy Sand		
			·						
				_					
-									
			·						
-									
-									
		_		_					
-									
-									
		_		_					
				<u> </u>			21	Dava Lining M. Martin	
Type: C=Co	oncentration, D=Dep	pletion, RN	I=Reduced Matrix, M	S=Maske	d Sand Gr	ains.	Location: PL=	Pore Lining, M=Matrix.	
Histocol	(A 1)			w Surface		D D	2 cm Muck (/		
Histic Fr	(AT) Dipedon (A2)		MLRA 149B		; (30) (L R	Ν Ν,	Coast Prairie	Redox (A16) (LRR K. L. R)	
Black Hi	stic (A3)		Thin Dark Surfa	, ace (S9) (l	LRR R, M	LRA 149B)) 5 cm Mucky I	Peat or Peat (S3) (LRR K, L, R)	
 Hydroge 	n Sulfide (A4)		Loamy Mucky I	Mineral (F	1) (LRR K	(, L)	Dark Surface	e (S7) (LRR K, L)	
Stratified	d Layers (A5)		Loamy Gleyed	y Gleyed Matrix (F2)			Polyvalue Be	low Surface (S8) (LRR K, L)	
Depleted	d Below Dark Surfac	e (A11)	Depleted Matrix	x (F3)			Thin Dark Su	Inface (S9) (LRR K, L)	
Thick Da	ark Surface (A12)		Redox Dark Su	Inface (F6)))		Iron-Mangan	ese Masses (F12) (LRR K, L, R)	
Sandy IV	lucky Mineral (S1)		Depleted Dark	Surface (I	-7)		Pleamont Flo	(TA6) (MI BA 144A 145 149B)	
Sandy R	edox (S5)						Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Red Parent Material (E21)		
Stripped	Matrix (S6)						Very Shallow Dark Surface (TF12)		
Dark Su	rface (S7) (LRR R, I	MLRA 149	B)				Other (Explai	n in Remarks)	
³ Indicators of	f hydrophytic vegeta	tion and v	etland hydrology mu	st be pres	ent, unles	s disturbed	or problematic.		
Restrictive I	Layer (if observed)	:							
Туре:									
Depth (ind	ches):						Hydric Soil Prese	nt? Yes 🔽 No	
Remarks:							1		



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: 1580 Segment 4	City/County: Ne	ew Haven County	Sampling Date: 2023-10-18
Applicant/Owner: Eversource		State: Connecticut	t Sampling Point: 1580 segment 4 W11
Investigator(s): Matt Regan and Claire Esterman	Section, Townsi	hip, Range:	
Landform (hillslope, terrace, etc.): Marsh	Local relief (concav	ve, convex, none): Concave	Slope (%): 2
Subregion (LRR or MLRA): R 144A Lat: 41.428944	44	Long: -73.1492649	Datum: WGS 84
Soil Map Unit Name: 3 - Ridgebury, Leicester, and Whitman soils, 0	to 8 percent slopes	s, extremely stony NWI classifica	ation:
Are climatic / hydrologic conditions on the site typical for this time of	year? Yes	_ No (If no, explain in Re	emarks.)
Are Vegetation, Soil, or Hydrology significant	tly disturbed?	Are "Normal Circumstances" pr	resent? Yes 🖌 No
Are Vegetation, Soil, or Hydrology naturally p	problematic?	(If needed, explain any answers	s in Remarks.)
SUMMARY OF FINDINGS – Attach site map showin	ng sampling p	oint locations, transects,	important features, etc.

Yes _ ✔ No Yes _ ✔ No Yes _ ✔ No	Is the Sampled Area within a Wetland? Yes <u>Ves</u> No If yes, optional Wetland Site ID:						
edures here or in a separate report.)							
Climate conditions are wetter than normal.							
	Yes <u>v</u> No <u>No</u> Yes <u>v</u> No <u>No</u> Yes <u>v</u> No <u>No</u> edures here or in a separate report.) wetter than normal.						

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (B9)	Drainage Patterns (B10)
High Water Table (A2)	Moss Trim Lines (B16)
✓ Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizospheres on Living	Roots (C3) Saturation Vis ble on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Sc	pils (C6) Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	 FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No 🖌 Depth (inches):	
Water Table Present? Vas 🖌 No. Depth (inches): 12	
Saturation Present? Yes <u>V</u> No Depth (inches): <u>0</u> (includes capillary fringe)	Wetland Hydrology Present? Yes <u></u> No <u></u> No
Saturation Present? Yes V No Depth (inches): 0 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective)	Wetland Hydrology Present? Yes <u>V</u> No <u>No</u>
Saturation Present? Yes No Depth (inches): . (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective)	Wetland Hydrology Present? Yes <u>V</u> No <u>No</u> tions), if available:
Saturation Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective	Wetland Hydrology Present? Yes <u>V</u> No No
Saturation Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Remarks:	Wetland Hydrology Present? Yes <u>V</u> No <u>No</u> tions), if available:
Saturation Present? Yes No Depth (inches): O (includes capillary fringe) No Depth (inches): O Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec Remarks:	Wetland Hydrology Present? Yes <u> No</u> No tions), if available:
Saturation Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): (includes capillary fringe) No Depth (inches): Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec Remarks:	Wetland Hydrology Present? Yes <u> No</u> No tions), if available:
Saturation Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): (includes capillary fringe) Depth (inches): Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec Remarks:	Wetland Hydrology Present? Yes <u>V</u> No <u>No</u>
Saturation Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec Remarks:	Wetland Hydrology Present? Yes <u>~</u> No tions), if available:
Saturation Present? Yes No Depth (inches): _0 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec Remarks: Remarks:	Wetland Hydrology Present? Yes <u> No</u> No tions), if available:
Saturation Present? Yes No Depth (inches): _0 (includes capillary fringe) No Depth (inches): _0 Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec Remarks:	Wetland Hydrology Present? Yes <u> No</u> No tions), if available:
Saturation Present? Yes No Depth (inches): _0 (includes capillary fringe) No Depth (inches): _0 Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec Remarks:	Wetland Hydrology Present? Yes <u>~</u> No tions), if available:
Saturation Present? Yes No Depth (inches): _0 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec Remarks: Remarks:	Wetland Hydrology Present? Yes <u>V</u> No <u>No</u>
Saturation Present? Yes No Depth (inches): _0 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec Remarks: Remarks:	Wetland Hydrology Present? Yes <u>~</u> No tions), if available:

Sampling Point: 1580 segment 4 W11

Troo Stratum (Plot size: 30 ft r)	Absolute	Dominant	Indicator	Dominance Test worksheet:
1	<u>_/8 COVEI</u>	<u>Species</u>	Status	Number of Dominant Species
2				That Are OBL, FACW, of FAC: (A)
3				Total Number of Dominant Species Across All Strata: 4 (B)
3				
4				That Are OBL, FACW, or FAC: 100.00 (A/B)
5				
0			·	Prevalence Index worksheet:
1				Total % Cover of: Multiply by:
Quality (Ohmole Ohmolegy (Distributed 15 ft r	<u> </u>	= Total Cov	/er	$\begin{array}{c c} \text{OBL species} & \underline{\text{CO}} & \underline{\text{CO}} & \underline{\text{CO}} \\ \text{EACW species} & \underline{\text{CO}} & \underline{\text{CO}} & \underline{\text{CO}} \\ \end{array}$
<u>Sapling/Shrub Stratum</u> (Plot size: 13 101)	10	~	FACW	FAC species 45 $x_3 = 135$
			EACW	FACU species 0 $x_{4} = 0$
			FACW	UPL species $0 x 5 = 0$
3				Column Totals: 105 (A) 220 (B)
4			. <u> </u>	Drevielance Index D/A 210
5				$\frac{1}{2} = \frac{1}{2} = \frac{1}$
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
	15	= Total Cov	/er	\checkmark 2 - Dominance Test is >50%
Herb Stratum (Plot size: 5 ft r)				4 - Morphological Adaptations ¹ (Provide supporting
_{1.} Solidago rugosa	40	 ✓ 	FAC	data in Remarks or on a separate sheet)
2. Lythrum salicaria	35	 ✓ 	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
3. Symphyotrichum lanceolatum	10		FACW	¹ Indiastors of hydric coil and watland hydrology must
4. Euthamia graminifolia	5		FAC	be present, unless disturbed or problematic.
5				Definitions of Vegetation Strata:
6		·		
7				at breast height (DBH), regardless of height.
8				Sanling/shrub Woody plants loss than 3 in DRH
9.				and greater than or equal to 3.28 ft (1 m) tall.
10.				Herb – All herbaceous (non-woody) plants, regardless
11.				of size, and woody plants less than 3.28 ft tall.
12				Woody vines – All woody vines greater than 3.28 ft in
	90	- Total Cov	/er	height.
Woody Vine Stratum (Plot size: 30 ft r)		- 10181 000		
(Hot size)				
1				
2				
3				Hydrophytic Vegetation
4				Present? Yes <u>V</u> No
	0	= Total Cov	/er	
Remarks: (Include photo numbers here or on a separate	sheet.)			

Profile Desc	ription: (Describe	to the de	oth needed to docur	nent the	indicator	or confirm	n the absence of indicators.)	
Depth	Matrix		Redo	x Feature	es	<u> </u>		
(inches)	Color (moist)	%	Color (moist)	%	Type'	Loc ²	Texture Remarks	_
0 - 12	2.5Y 3/1	100					Silty Clay Loam	
12 - 16	2.5Y 4/1	95	2.5Y 5/4	5	С	М	Sandy Clay Loam	_
16 - 24	2.5Y 5/1	90	2.5Y 5/6	10	С	М	Sandy Clay Loam	
-								_
								-
		·						-
		·						-
		·						-
		·						—
								_
		. <u> </u>						
-								
-								
¹ Type: C=Co	oncentration, D=Dep	letion, RM	=Reduced Matrix, M	S=Maske	d Sand Gr	ains.	² Location: PL=Pore Lining, M=Matrix.	-
Hydric Soil	Indicators:	,	· · · · · ·				Indicators for Problematic Hydric Soils ³ :	
Histosol (A1) Polyvalue Below Surface (S8) (LRR R,				2 cm Muck (A10) (LRR K, L, MLRA 149B)				
Histic Ep	pipedon (A2)		MLRA 149B)			Coast Prairie Redox (A16) (LRR K, L, R)	
BIACK HISTIC (A3) Ihin Dark Surface (S9) (LRR R, MLRA 149B) Hydrogen Sulfide (A4) Loamv Mucky Mineral (F1) (LRR K, L)			5 cm Mucky Peat of Peat (S3) (LRR K, L, R) Dark Surface (S7) (LRR K L)					
Stratified Layers (A5) Loamy Gleyed Matrix (F2)			Polyvalue Below Surface (S8) (LRR K, L)					
Depleted Below Dark Surface (A11) Depleted Matrix (F3)			Thin Dark Surface (S9) (LRR K, L)					
Thick Dark Surface (A12) Redox Dark Surface (F6)			Iron-Manganese Masses (F12) (LRR K, L, R))				
Sandy Mucky Mineral (S1) Depleted Dark Surface (F7)			Piedmont Floodplain Soils (F19) (MLRA 1498	3)				
Sandy Gleyed Matrix (S4) Redox Depressions (F8)			Mesic Spoalc (TA6) (MLRA 144A, 145, 149B Red Parent Material (E21)	<i>י</i>)				
Sandy R	Matrix (S6)						Very Shallow Dark Surface (TF12)	
Dark Su	rface (S7) (LRR R, N	/LRA 149	B)				Other (Explain in Remarks)	
³ Indicators of	f hydrophytic vegetat	tion and w	etland hydrology mus	st be pres	ent, unles	s disturbed	d or problematic.	
Restrictive I	Layer (if observed):			-				
Туре:								
Depth (ind	ches):						Hydric Soil Present? Yes <u>V</u> No	-
Remarks:								

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: 1580 Segment 4	City/County: New Haven County Sampling Date: 2023-10-18			
Applicant/Owner: Eversource	State: Connecticut Sampling Point: 1580 segment 4 W12			
Investigator(s): Matt Regan and Claire Esterman	_ Section, Township, Range:			
Landform (hillslope, terrace, etc.): Lo	ocal relief (concave, convex, none): <u>Concave</u> Slope (%): <u>1</u>			
Subregion (LRR or MLRA): R 144A Lat: 41.423594	.8 Long: -73.1518599 Datum: WGS 84			
Soil Map Unit Name: 45B - Woodbridge fine sandy loam, 3 to	o 8 percent slopes NWI classification:			
Are climatic / hydrologic conditions on the site typical for this time of y	/ear? Yes No (If no, explain in Remarks.)			
Are Vegetation, Soil, or Hydrology significantly	ly disturbed? Are "Normal Circumstances" present? Yes No			
Are Vegetation, Soil, or Hydrology naturally p	roblematic? (If needed, explain any answers in Remarks.)			
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.				
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes <u>V</u> No			
Wetland Hydrology Present? Yes <u>Ves</u> No	_ If yes, optional Wetland Site ID:			
Climate conditions are wetter than normal.	•			
HYDROLOGY				

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (B9)	Drainage Patterns (B10)
High Water Table (A2)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizospheres on Livin	g Roots (C3) Saturation Vis ble on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled	Soils (C6) 🖌 Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No 🖌 Depth (inches):	_
Water Table Present? Ves 🗸 No. Depth (inches): 12	
Value radie resent: res No Depth (incles): 10 Saturation Present? Yes ✓ No Depth (incles): 10	Wetland Hydrology Present? Yes <u></u> No
Saturation Present? Yes <u>V</u> No Depth (inches): <u>10</u> (includes capillary fringe)	Wetland Hydrology Present? Yes <u>V</u> No <u>No</u>
Saturation Present? Yes No Depth (incles): 10 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Recorded Data (stream gauge, monitoring well)	Wetland Hydrology Present? Yes No ections), if available:
Saturation Present? Yes Yes Depth (inclus): 10 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective	Wetland Hydrology Present? Yes <u>V</u> No ections), if available:
Saturation Present? Yes No Depth (incles): 10 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Remarks:	Wetland Hydrology Present? Yes <u></u> No <u>No</u>
Saturation Present? Yes No Depth (incles): Saturation Present? Yes No Depth (incles): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Remarks: Remarks:	Wetland Hydrology Present? Yes <u>V</u> No <u>No</u>
Saturation Present? Yes No Depth (inches): 10 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Remarks:	Wetland Hydrology Present? Yes <u>V</u> No <u>Sections</u>), if available:
Saturation Present? Yes No Depth (incles): 10 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Remarks: Remarks:	Wetland Hydrology Present? Yes <u>V</u> No <u></u> ections), if available:
Saturation Present? Yes No Depth (inches): 10 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Remarks: Remarks: Remarks:	Wetland Hydrology Present? Yes <u></u> No <u></u> ections), if available:
Saturation Present? Yes No Depth (inches): 10 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Remarks: Remarks: Remarks:	Wetland Hydrology Present? Yes <u> No</u>
Saturation Present? Yes No Depth (inches): 10 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Remarks: Remarks: Remarks:	Wetland Hydrology Present? Yes <u>V</u> No <u>No</u>
Saturation Present? Yes No Depth (inches): 10 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Remarks: Remarks: Remarks:	Wetland Hydrology Present? Yes <u>V</u> No <u></u> ections), if available:
Saturation Present? Yes No Depth (inches): 10 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Remarks: Remarks: Remarks:	Wetland Hydrology Present? Yes <u>V</u> No <u></u> ections), if available:
Saturation Present? Yes No Depth (inches): 10 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Remarks: Remarks: Remarks:	Wetland Hydrology Present? Yes <u>V</u> No <u></u> ections), if available:
Saturation Present? Yes No Depth (inches): 10 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Remarks: Remarks:	Wetland Hydrology Present? Yes <u>V</u> No <u></u> ections), if available:

Sampling Point: 1580 segment 4 W12

Tree Christian (Distring 30 ft r	Absolute	Dominant	t Indicator	Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size: <u>30 rt i</u>)	<u>% Cover</u>	<u>Species</u> ?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: <u>5</u> (A)
2			- <u> </u>	Total Number of Dominant
3				Species Across All Strata: <u>o</u> (B)
4		. <u></u>	·	Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 03.33 (A/B)
6		. <u></u>	·	Prevalence Index worksheet:
7				Total % Cover of:Multiply by:
	0	= Total Co	ver	OBL species 5 $x_1 = 5$
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species 30 x 2 = 60
_{1.} Salix bebbiana	25	~	FACW	FAC species $\frac{95}{10}$ x 3 = $\frac{285}{10}$
2. Viburnum dentatum	10	~	FAC	FACU species $\frac{10}{2}$ x 4 = $\frac{40}{2}$
3				UPL species $\frac{0}{140}$ x 5 = $\frac{0}{200}$
4				Column Totals: <u>140</u> (A) <u>390</u> (B)
т 5				Prevalence Index = $B/A = 2.79$
				Hydrophytic Vegetation Indicators:
7			<u> </u>	1 - Rapid Test for Hydrophytic Vegetation
1	25		·	✓ 2 - Dominance Test is >50%
E ft r	35	= Total Co	ver	\checkmark 3 - Prevalence Index is $\leq 3.0^1$
Herb Stratum (Plot size: 5111)	50			4 - Morphological Adaptations ¹ (Provide supporting
	50	<u> </u>	FAC	data in Remarks or on a separate sheet)
2. Euthamia graminifolia	20	<u> </u>	FAC	Problematic Hydrophytic Vegetation (Explain)
3. Microstegium vimineum	10		FAC	¹ Indicators of hydric soil and wetland hydrology must
4. Juncus effusus	5	. <u></u>	OBL	be present, unless disturbed or problematic.
5. Symphyotrichum lanceolatum	5		FACW	Definitions of Vegetation Strata:
6			- <u> </u>	Trop Weady plants 3 in (7.6 cm) or more in diameter
7				at breast height (DBH), regardless of height.
8			<u> </u>	Sapling/shrub – Woody plants less than 3 in. DBH
9	<u> </u>		<u>.</u>	and greater than or equal to 3.28 ft (1 m) tall.
10				Herb – All herbaceous (non-woody) plants, regardless
11.				of size, and woody plants less than 3.28 ft tall.
12				Woody vines – All woody vines greater than 3.28 ft in
	90	– Total Co	ver	height.
Woody Vine Stratum (Plot size: 30 ft r)		- 10101 00		
Lonicera janonica	10		FACU	
Vitis riparia	5		<u> </u>	
2. <u>vius riparia</u>			FAC	
3			·	Hydrophytic Vegetation
4				Present? Yes <u>V</u> No
	15	= Total Co	ver	
Remarks: (Include photo numbers here or on a separate	sheet.)			

Depth (inches) Matrix Redox Features 0 - 2 10YR 2/1 100 Silty Clay Loam 2 - 9 10YR 4/1 95 10YR 4/4 5 C M Silty Clay Loam 9 - 24 10YR 5/1 75 10YR 5/6 25 C M Silty Clay Loam -	_
0 - 2 10YR 2/1 100 Silty Clay Loam 2 - 9 10YR 4/1 95 10YR 4/4 5 C M Silty Clay Loam 9 - 24 10YR 5/1 75 10YR 5/6 25 C M Silty Clay Loam -	_
2 - 9 10YR 4/1 95 10YR 4/4 5 C M Silty Clay Loam 9 - 24 10YR 5/1 75 10YR 5/6 25 C M Silty Clay Loam - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -<	_
9 - 24 10YR 5/1 75 10YR 5/6 25 C M Silty Clay Loam -	
	-
	-
	_
	_
	-
-	
	-
	-
	_
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix.	-
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ :	
Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R)	
Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)	
Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L) Stratified Lavers (A5) Loamy Gleved Matrix (F2) Polyvalue Below Surface (S8) (LRR K, L)	
Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thin Dark Surface (S9) (LRR K, L)	
Thick Dark Surface (A12) Redox Dark Surface (F6) Iron-Manganese Masses (F12) (LRR K, L, R Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 149) B)
Sandy Gleyed Matrix (S4) Redox Depressions (F8) Mesic Spodic (TA6) (MLRA 144A, 145, 149I)	3)
Sandy Redox (S5) Red Parent Material (F21)	
³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.	
Restrictive Layer (if observed):	
Туре:	
Depth (inches): No	
Remarks:	
WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Line 1580	City/County: Oxford	Sampling Date: 2020-09-24
Applicant/Owner: Eversource		State: <u>Connecticut</u> Sampling Point: <u>1418 W19</u>
Investigator(s): MHZ, RKV	Section, Township, Range:	
Landform (hillslope, terrace, etc.): Hillslope	Local relief (concave, convex, none): <u>Concave</u> Slope (%): <u>5</u>
Subregion (LRR or MLRA): R 144A Lat: 4	1.4221191 Long: -73.1	527415 Datum: WGS 84
Soil Map Unit Name: 45B Woodbridge fine sandy loar	n/ 84B Paxton and Montauk fine sandy loar	n NWI classification: PSS
Are climatic / hydrologic conditions on the site typical for	this time of year? Yes No 🔽 (If	no, explain in Remarks.)
Are Vegetation <u> </u>	_ significantly disturbed? Are "Normal C	Fircumstances" present? Yes No _
Are Vegetation, Soil, or Hydrology	_ naturally problematic? (If needed, ex	blain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site ma	p showing sampling point location	s, transects, important features, etc.
Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes	No Is the Sampled Area No within a Wetland?	Yes No
Wetland Hydrology Present? Yes	No If yes, optional Wetland S	site ID: 1418 W19

Remarks: (Explain alternative procedures here or in a separate report.)

Drought

Surrounded by maintained lawn

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

Sampling Point: 1418 W19

<u>Tree Stratum</u> (Plot size: <u>30 ft r</u>) 1)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC:
2 3				Total Number of Dominant Species Across All Strata: <u>5</u> (B)
4				Percent of Dominant Species That Are OBL_FACW. or FAC: 60.00 (A/B)
5 6.				
7				Total % Cover of: Multiply by:
	0	= Total Cov	/er	OBL species $\frac{0}{45}$ x 1 = $\frac{0}{00}$
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species $\frac{45}{0}$ $x_2 = \frac{90}{0}$
1. Cornus amomum	15	 ✓ 	FACW	FAC species 25 $x_3 = 0$
2. Rosa multiflora	15	 ✓ 	FACU	$\begin{array}{c} raco \text{ species } \underline{-3} \\ \text{IIPL species } 0 \\ \text{x} 5 = 0 \end{array}$
3. Lonicera morrowii	10	✓	FACU	Column Totals: 70 (A) 190 (B)
45				Prevalence Index = B/A = $\frac{2.71}{2.71}$
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
·	40	– Total Cov		✓ 2 - Dominance Test is >50%
Herb Stratum (Plot size: 5 ft r)		- 10tai 00t		\checkmark 3 - Prevalence Index is ≤3.0 ¹
1. Eupatorium perfoliatum	15	 ✓ 	FACW	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
2. Impatiens capensis	10	~	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
3. Carex scoparia	5		FACW	¹ Indicators of hydric coil and watland hydrology must
4				be present, unless disturbed or problematic.
5				Definitions of Vegetation Strata:
6				
7				at breast height (DBH), regardless of height.
8				Sanling/chrub - Woody plants less than 3 in DBH
9				and greater than or equal to 3.28 ft (1 m) tall.
10				Herb – All herbaceous (non-woody) plants, regardless
11				of size, and woody plants less than 3.28 ft tall.
12.				Woody vines – All woody vines greater than 3.28 ft in
	30	= Total Cov	/er	height.
Woody Vine Stratum (Plot size: 30 ft r)				
1. · · · · · · · · · · · · · · · · · · ·				
2.				
3.				Hydrophytic
4				Vegetation
	0	= Total Cov	/er	Present? Yes <u>Ves</u> No
Remarks: (Include photo numbers here or on a separate	sheet.)	- 10101 00		
	,			

Profile Desc	Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth	Matrix		Redox	x Feature	S 	. 2			
(inches)	10VR 3/1	98	7 5YR 3/4	2		Loc ²	lexture Remarks	—	
8 - 11	10YR 3/2	85	10YR 5/2	5	<u>פ</u>		Loamy Sand		
8 - 11	1011(3/2		5YR 3/4	10	<u> </u>			_	
<u> </u>		- <u> </u>	011(0)4	10	<u> </u>			—	
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-				·		·			
- 1 			De duce d Matrix MC					_	
Hydric Soil	Indicators:	Dietion, RIV	=Reduced Matrix, Ma	s=Maske	a Sand Gr	ains.	Indicators for Problematic Hydric Soils ³ :		
Histosol	(A1)		Polyvalue Belov	v Surface	(S8) (LR	R R,	2 cm Muck (A10) (LRR K, L, MLRA 149B)		
Histic Ep	bipedon (A2)		MLRA 149B) Thip Dark Surfa	(02) (I PA 140B	Coast Prairie Redox (A16) (LRR K, L, R)	`	
Hydroge	n Sulfide (A4)		Loamy Mucky M	lineral (F	1) (LRR K	(, L)	Dark Surface (S7) (LRR K, L)	,	
Stratified	d Layers (A5)		Loamy Gleyed N	Matrix (F2	2)		Polyvalue Below Surface (S8) (LRR K, L)		
Depleted	d Below Dark Surfac	e (A11)	Depleted Matrix	(F3)			Thin Dark Surface (S9) (LRR K, L)	• •	
I NICK Da	Ark Surface (A12) Aucky Mineral (S1)		Redox Dark Sur	nace (F6) Surface (F	=7)		Iron-Manganese Masses (F12) (LRR K, L, R)		
Sandy N Sandy G	Bleved Matrix (S4)		Redox Depressi	ions (F8)	')		Mesic Spodic (TA6) (MLRA 144A, 145, 149B)		
🖌 Sandy R	edox (S5)			()			Red Parent Material (F21)		
Stripped	Matrix (S6)						Very Shallow Dark Surface (TF12)		
Dark Su	rface (S7) (LRR R, I	MLRA 149	B)				Other (Explain in Remarks)		
³ Indicators of	f hydrophytic vegeta	tion and w	etland hydrology mus	t be pres	ent, unles	s disturbed	d or problematic.		
Restrictive I	Layer (if observed):	:							
Type: <u>rtc</u>	abaa). 11						Hydric Soil Present? Yes 🖌 No		
Depth (Ind	ches). <u></u>								
rtemante.									

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Line 1580	City/County: Oxford Sampling Date: 2020-09-24
Applicant/Owner: Eversource	State: Connecticut Sampling Point: 1418 W20
Investigator(c): MHZ, RKV	Section Townshin Range:
Lendform (hillolone, torrace, etc.); Floodplain	Local relief (conceve convex, none); Conceve Slone (%); 5-10
	- Local relief (concave, convex, none). <u>73 1523575</u> Sibe (%). <u>73 1523575</u> Sibe (%).
Subregion (LRR or MLRA): K144A Lat: 41.4210	Long: 73:1323373 Datum: W63.64
Soil Map Unit Name: 64B Paxton and Montauk Tine Sandy	NWI classification: PEM/PSS
Are climatic / hydrologic conditions on the site typical for this time	of year? Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology signification	antly disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturall	y problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map show	ing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes V No Hydric Soil Present? Yes V No Wetland Hydrology Present? Yes V No Remarks: (Explain alternative procedures here or in a separate of the second seco	Is the Sampled Area within a Wetland? Yes No If yes, optional Wetland Site ID: 1418 W20
Drought Alluvial	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that ap	ply) Surface Soil Cracks (B6)
Surface Water (A1) Water-Stai	ned Leaves (B9) Drainage Patterns (B10)
High Water Table (A2) Aquatic Fa	una (B13) Moss Trim Lines (B16)
Saturation (A3) Mari Depos	Sits (B15) Dry-Season Water Table (C2)
Vvater Marks (B1) Hydrogen 3 Hydrogen 3 Ovidized B	Suffice Odor (C1) Crayfish Burrows (C8)
Drift Deposite (B2)	The structure of the st
Algo Mat or Cruct (R4)	a Reduction in Tilled Soils (C6)
Iron Deposits (B5)	Surface (C7) Shallow Aquitard (D3)
 Include Deposits (DS) Include Deposits (DS) Other (Exp 	lain in Remarks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	✓ FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No 🔽 Depth (inc	:hes):
Water Table Present? Yes No Depth (inc	hes):
Saturation Present? Yes <u></u> No <u>Depth</u> (inc (includes capillary fringe)	hes): 0 Wetland Hydrology Present? Yes <u></u> No
Describe Recorded Data (stream gauge, monitoring well, aerial p	hotos, previous inspections), if available:
Remarks:	

Sampling Point: 1418 W20

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant	Indicator Status	Dominance Test worksheet:
1	<u>_/8 COVEL</u>		Olalus	Number of Dominant Species
·				That are OBL, FACW, or FAC: 3 (A)
3				Total Number of Dominant Species Across All Strata: 7 (B)
4				Demonstration Consister
5				That Are OBL, FACW, or FAC: 71.43 (A/B)
6.				
7				Prevalence Index worksheet:
/				Total % Cover of: Multiply by:
15 ft r	0	= Total Cov	/er	OBL species 10 $x_1 = 10$
Sapling/Shrub Stratum (Plot size: 15 11 1)	10			FACW species $\frac{30}{10}$ $x_2 = \frac{30}{30}$
	10		FACU	FACU species 10 $x 4 = 40$
2. Salix discolor	10	<u> </u>	FACW	$\frac{1}{100} \text{ species} \frac{5}{5} \text{ species} \frac{1}{25} \text{ species} \frac{5}{5} \text{ species} \frac{1}{25} \text{ species} $
3. Cornus amomum	5		FACW	Column Totals: 65 (A) 165 (B)
4				
5				Prevalence Index = B/A = 2.54
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
	30	= Total Cov	/er	✓ 2 - Dominance Test is >50%
Herb Stratum (Plot size: 5 ft r				\checkmark 3 - Prevalence Index is ≤3.0 ¹
1 Impatiens capensis	10	~	FACW	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
 Persicaria sagittata 	10	~	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
3 Eupatorium perfoliatum	5	~	FACW	
4			<u></u>	¹ Indicators of hydric soil and wetland hydrology must
5				be present, unless disturbed of problematic.
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
8				
9				and greater than or equal to 3.28 ft (1 m) tall.
10				Herb. All herbesseus (nen weedu) plante, regerdiese
11				of size, and woody plants less than 3.28 ft tall.
10				Woody vines – All woody vines greater than 3 28 ft in
12	25			height.
1 1 1 1 1 1 1 1 1 1	25	= Total Cov	/er	
Woody Vine Stratum (Plot size: <u>50 m</u>)	10		540	
		<u> </u>	FAC	
2. Celastrus orbiculatus	5	<u> </u>	UPL	
3			. <u> </u>	Hydrophytic
4			. <u></u>	Present? Yes <u>V</u> No
	15	= Total Cov	/er	
Remarks: (Include photo numbers here or on a separate	sheet.)			

Profile Desc	Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)							
Depth	Matrix		Redo	x Feature	s 1	. 2	-	- .
(inches) 0 - 14	<u>Color (moist)</u>	100	Color (moist)		<u>Iype</u>		I exture Mucky Sand	AlluvialHydrogen sulfide
		100		<u></u>		·		
14 - 24	10YR 3/1	100					Sand	Hydrogen sulfide
-								
-								
-								
-								
-								
-								
-								
-								
	-							
		letion RM	-Reduced Matrix M	S-Maskor	Sand Gr	ains		· PI – Pore Lining M–Matrix
Hydric Soil	Indicators:					anio.	Indicators	for Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belov	w Surface	(S8) (LRF	RR,	2 cm M	/luck (A10) (LRR K, L, MLRA 149B)
Histic Ep	pipedon (A2)		MLRA 149B))			Coast	Prairie Redox (A16) (LRR K, L, R)
Black Hi	stic (A3)		Thin Dark Surfa	ace (S9) (L		_RA 149B) 5 cm N	Aucky Peat or Peat (S3) (LRR K, L, R)
Stratified	H Suilide (A4)		Loamy Gleved	Matrix (F2		, L)	Dark 3	unace (S7) (LRR K, L)
Depleted	d Below Dark Surfac	e (A11)	Depleted Matrix	(F3))		Thin D	ark Surface (S9) (LRR K, L)
Thick Da	ark Surface (A12)		Redox Dark Su	rface (F6)			Iron-M	anganese Masses (F12) (LRR K, L, R)
Sandy M	lucky Mineral (S1)		Depleted Dark	Surface (F	7)		Piedm	ont Floodplain Soils (F19) (MLRA 149B)
Sandy G	Gleyed Matrix (S4)		Redox Depress	ions (F8)			Mesic	Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy R	Redox (S5)						Red P	arent Material (F21)
Stripped	l Matrix (S6) rface (S7) (I RR R . I	MI RA 149	3)				Very S Other	Shallow Dark Surface (TF12) (Explain in Remarks)
			_)					
°Indicators o	f hydrophytic vegeta	ition and w	etland hydrology mus	st be prese	ent, unless	s disturbed	l or problemation	2.
Type:		•						
Depth (in	ches):						Hydric Soil	Present? Yes 🖌 No
Remarks:	· -							
Alluvial								

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: 1580 Segment 4	City/County: New Haven County Sampling Date: 2023-10-18					
Applicant/Owner: Eversource	State: Connecticut Sampling Point: 1580 segment 4 W15					
Investigator(s): Matt Regan and Claire Esterman	Section, Township, Range:					
Landform (hillslope, terrace, etc.): Marsh Lo	cal relief (concave, convex, none): <u>Concave</u> Slope (%): <u>2</u>					
Subregion (LRR or MLRA): R 144A Lat: 41.421516	Long: -73.1532348 Datum: WGS 84					
Soil Map Unit Name: 45B - Woodbridge fine sandy loam, 3 to	8 percent slopes NWI classification: R5UBH					
Are climatic / hydrologic conditions on the site typical for this time of ye	ear? Yes No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No						
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)						
SUMMARY OF FINDINGS – Attach site map showing	g sampling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes V	Is the Sampled Area					
Hydric Soil Present? Yes <u>V</u> No	within a Wetland? Yes <u>V</u> No					
Wetland Hydrology Present? Yes <u>Ves</u> No	If yes, optional Wetland Site ID:					
Remarks: (Explain alternative procedures here or in a separate repo	prt.)					
Climate conditions wetter than normal.						

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (B9)	 Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizospheres on Living	Roots (C3) Saturation Vis ble on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Second	oils (C6) 🖌 Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No 🔽 Depth (inches):	
Water Table Present? Yes 🖌 No. Depth (inches): 13	
Saturation Present? Yes <u>Ves</u> No Depth (inches): <u>10</u>	Wetland Hydrology Present? Yes <u>V</u> No
Saturation Present? Yes <u>Ves</u> No Depth (inches): <u>10</u> (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec	Wetland Hydrology Present? Yes ✓ No ctions), if available:
Saturation Present? Yes No Depth (inches): 10 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective)	Wetland Hydrology Present? Yes ✓ No ctions), if available:
Saturation Present? Yes No Depth (inches): 10 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective)	Wetland Hydrology Present? Yes <u>V</u> No <u>No</u>
Saturation Present? Yes No Depth (inches): 10 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec Remarks: Remarks:	Wetland Hydrology Present? Yes <u>V</u> No <u>No</u> ctions), if available:
Saturation Present? Yes No Depth (inches): 10 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Remarks: Remarks:	Wetland Hydrology Present? Yes <u>V</u> No <u>No</u> ctions), if available:
Saturation Present? Yes No Depth (inches): 10 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Remarks:	Wetland Hydrology Present? Yes <u>V</u> No <u>No</u>
Saturation Present? Yes No Depth (inches): 10 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Remarks:	Wetland Hydrology Present? Yes <u>V</u> No <u>No</u> ctions), if available:
Saturation Present? Yes No Depth (inches): 10 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Remarks:	Wetland Hydrology Present? Yes <u>V</u> No <u>No</u>
Saturation Present? Yes No Depth (inches): 10 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspect Remarks: Remarks:	Wetland Hydrology Present? Yes <u>V</u> No <u>No</u> ctions), if available:
Saturation Present? Yes No Depth (inches): 10 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspect Remarks: Remarks:	Wetland Hydrology Present? Yes <u>V</u> No <u>No</u> ctions), if available:
Saturation Present? Yes No Depth (inches): 10 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspect Remarks: Remarks:	Wetland Hydrology Present? Yes <u>V</u> No <u>No</u> ctions), if available:
Saturation Present? Yes Yes No Depth (inches): 10 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Remarks: Remarks:	Wetland Hydrology Present? Yes <u>V</u> No <u>No</u> ctions), if available:
Saturation Present? Yes No Depth (inches): 10 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspect Remarks: Remarks:	Wetland Hydrology Present? Yes <u>V</u> No <u>No</u>
Saturation Present? Yes No Depth (inches): 10 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspect Remarks: Remarks:	Wetland Hydrology Present? Yes <u>V</u> No <u>No</u>

Sampling Point: 1580 segment 4 W15

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: <u>30 ft r</u>)	<u>% Cover</u>	<u>Species?</u>	Status	Number of Dominant Species
1		·	·	That Are OBL, FACW, or FAC: 2 (A)
2				Total Number of Dominant
3		·		Species Across All Strata: <u>3</u> (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 66.67 (A/B)
6.				Drevelance index worksheets
7			·	Tetal % Cover of Multiply by
/·	0	Total Ca		OR apacia 0 x 1 0
a market and the second s	<u> </u>		ver	$\frac{1}{2} = \frac{1}{2}$
Sapling/Shrub Stratum (Plot size: 13 11 1)	15		EACU	FAC species 35 $x_3 = 105$
			FACU	FACIL species 15 $x_4 = 60$
2. Ligustrum japonicum	5	~	·	$\frac{1100 \text{ species}}{100 \text{ species}} = 0 \qquad x_5 = 0$
3		·		Column Totals: 90 (A) 245 (B)
4		<u></u>	·	
5.				Prevalence Index = $B/A = 2.72$
6				Hydrophytic Vegetation Indicators:
7			·	1 - Rapid Test for Hydrophytic Vegetation
/:	20		·	✓ 2 - Dominance Test is >50%
F 44 -	20	= I otal Co	ver	✓ 3 - Prevalence Index is $\leq 3.0^1$
Herb Stratum (Plot size: 5 ft r)	25		F40	4 - Morphological Adaptations ¹ (Provide supporting
		~	FAC	data in Remarks or on a separate sheet)
2. Symphyotrichum lanceolatum	35	<u> </u>	FACW	Problematic Hydrophytic Vegetation' (Explain)
3. Artemisia vulgaris	25	<u> </u>		¹ Indicators of bydric soil and wetland bydrology must
4. Impatiens capensis	5	·	FACW	be present, unless disturbed or problematic.
5				Definitions of Vegetation Strata:
6				
7.				at breast height (DBH), regardless of height.
8				
0		· · · · · · · · · · · · · · · · · · ·		and greater than or equal to 3.28 ft (1 m) tall.
3				
			·	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
11			·	
12		·	·	woody vines – All woody vines greater than 3.28 ft in height.
	100	= Total Co	ver	
Woody Vine Stratum (Plot size: 30 ft r)				
1				
2.				
3.				Hydrophytic
4		·		Vegetation
T		Tatal Oa	·	Present? Yes V No
Pomarka: (Include photo numbers here or on a congrate	schoot)		ver	
Remarks. (Include photo numbers here of on a separate	e sheet.)			

Profile Desc	ription: (Describe	to the de	oth needed to docu	ment the	indicator	or confirm	n the absence of indicators.)		
Depth	Matrix		Redo	x Feature	es1				
(inches)	Color (moist)	%	Color (moist)	%	Type	Loc ²	Texture Remarks		
0 - 12	10YR 3/1	100					Loam		
12 - 20	10YR 4/1	95	10YR 4/4	5	С	Μ	Loamy Sand		
20 - 24	10YR 4/1	90	10YR 4/4	10	С	М	Sand		
-									
-		- · ·							
-									
-									
-									
-									
-									
-									
¹ Tvpe: C=Co	oncentration. D=Dec	letion. RM	l=Reduced Matrix. M	S=Maske	d Sand G	rains.	² Location: PL=Pore Lining, M=Matrix.		
Hydric Soil	Indicators:	,					Indicators for Problematic Hydric Soils ³ :		
Histosol	(A1)		Polyvalue Belo	w Surface	e (S8) (LR	RR,	2 cm Muck (A10) (LRR K, L, MLRA 149B)		
Histic Ep	pipedon (A2)		MLRA 149B)	. , .	·	Coast Prairie Redox (A16) (LRR K, L, R)		
Black Hi	stic (A3)		Thin Dark Surfa	ace (S9) (LRR R, N	ILRA 149B	5 cm Mucky Peat or Peat (S3) (LRR K, L, R)		
Hydroge	en Sulfide (A4)		Loamy Mucky I	Mineral (F	1) (LRR I	(, L)	Dark Surface (S7) (LRR K, L)		
Stratified	d Layers (A5)		Loamy Gleyed	Matrix (F2	2)		Polyvalue Below Surface (S8) (LRR K, L)		
Depleted	d Below Dark Surfac	e (A11)	Depleted Matrix	x (F3)			Thin Dark Surface (S9) (LRR K, L)		
Thick Da	ark Surface (A12)		Redox Dark Su	Irface (F6))		Iron-Manganese Masses (F12) (LRR K, L, R)		
Sandy M	lucky Mineral (S1)		Depleted Dark	Surface (I	F7)		Piedmont Floodplain Soils (F19) (MLRA 149B)		
Sandy G	Bleyed Matrix (S4)		Redox Depress	sions (F8)			Mesic Spodic (TA6) (MLRA 144A, 145, 149B)		
Sandy R	Redox (S5)						Red Parent Material (F21)		
Stripped	Matrix (S6)						Very Shallow Dark Surface (TF12)		
Dark Su	rface (S7) (LRR R, I	MLRA 149	B)				Other (Explain in Remarks)		
³ Indicators of	f hydrophytic vegeta	tion and w	etland hydrology mu	st be pres	ent, unles	s disturbed	d or problematic.		
Restrictive I	Layer (if observed):	:							
Type:							Hydric Soil Present? Yes 🗸 No		
Depth (ind	ches):								
Remarks:									

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

				-
Project/Site: 1580 Segment 4		City/County: New Haven C	ounty	Sampling Date: 2023-10-18
Applicant/Owner: Eversource			_ State: Connecticut	Sampling Point: 1580 segment 4 W16
Investigator(s): Matt Regan and Claire	e Esterman	_ Section, Township, Range:		
Landform (hillslope, terrace, etc.): Marsh	L(ocal relief (concave, convex, no	ne): Concave	Slope (%): 2
Subregion (LRR or MLRA): R 144A	Lat: 41.4193511	Long:73	8.1541804	Datum: WGS 84
Soil Map Unit Name: 45B - Woodbridg	je fine sandy loam, 3 to	o 8 percent slopes	NWI classifica	tion:
Are climatic / hydrologic conditions on the	site typical for this time of y	vear? Yes No 🖌	(If no, explain in Re	marks.)
Are Vegetation . Soil . or Hy	drology significant	v disturbed? Are "Norma	l Circumstances" pr	esent? Yes 🖌 No
Are Vegetation Soil or Hy	drology naturally p	roblematic? (If needed a	explain any answers	in Remarks)
SUMMARY OF FINDINGS – Atta	ich site map showin	g sampling point location	ons, transects,	important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: (Explain alternative procedure Climate conditions are we	Yes <u>v</u> No <u>No</u> Yes <u>v</u> No <u>s here or in a separate reporteter than normal.</u>	Is the Sampled Area within a Wetland? If yes, optional Wetland ort.)	Yes	_ No
HYDROLOGY				
Wetland Hydrology Indicators:			Secondary Indicate	ors (minimum of two required)
Primary Indicators (minimum of one is re-	quired; check all that apply)	Surface Soil C	racks (B6)
Surface Water (A1)	Water-Stained	Leaves (B9)	Drainage Patte	erns (B10)
High Water Table (A2)	Aquatic Fauna	a (B13)	Moss Trim Lin	es (B16)
Saturation (A3)	Marl Deposits	(B15)	Dry-Season W	ater Table (C2)
Water Marks (B1)	Hydrogen Sulf	fide Odor (C1)	Crayfish Burro	ws (C8)
Sediment Deposits (B2)	Oxidized Rhiz	ospheres on Living Roots (C3)	Saturation Vis	ble on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of R	Reduced Iron (C4)	Stunted or Str	essed Plants (D1)

- ✓ Geomorphic Position (D2) ____ Recent Iron Reduction in Tilled Soils (C6)
 - ____ Shallow Aquitard (D3) Microtopographic Relief (D4)
 - ✓ FAC-Neutral Test (D5)

 - Wetland Hydrology Present? Yes

No

Water Table Present? Saturation Present? (includes capillary fringe)

Field Observations:

Surface Water Present?

____ Algal Mat or Crust (B4)

____ Inundation Visible on Aerial Imagery (B7)

Sparsely Vegetated Concave Surface (B8)

___ Iron Deposits (B5)

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Yes <u>Ves</u> No Depth (inches): <u>.5</u>

Yes <u>V</u>No Depth (inches): <u>4</u>

Yes <u>V</u> No Depth (inches): <u>0</u>

____ Thin Muck Surface (C7)

____ Other (Explain in Remarks)

Remarks:

Sampling Point: 1580 segment 4 W16

The Olympic (Distributed as 20 ft r	Absolute	Dominant	Indicator	Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size: <u>30 rt 1</u>)	<u>% Cover</u>	<u>Species</u> ?	Status	Number of Dominant Species
1			·	That Are OBL, FACW, or FAC: 3 (A)
2		. <u> </u>		Total Number of Dominant
3			·	Species Across All Strata: <u>3</u> (B)
4			·	Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 100.00 (A/B)
6			<u></u>	Prevalence Index worksheet:
7		<u></u>	<u>.</u>	Total % Cover of: Multiply by:
	0	= Total Co	ver	$OBL species 25 \qquad x_{1} = 25$
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species 30 x 2 = 60
1 Cornus alba	10	~	FACW	FAC species 50 x 3 = 150
2. Ligustrum japonicum	10	~	·	FACU species 0 $x 4 = 0$
				UPL species 0 $x 5 = 0$
3			·	Column Totals: <u>105</u> (A) <u>235</u> (B)
4				$\mathbf{D}_{\mathbf{r}} = \mathbf{D}_{\mathbf{r}} + \mathbf{D}_{\mathbf{r}} + \mathbf{D}_{\mathbf{r}} + \mathbf{D}_{\mathbf{r}}$
5				Prevalence index = $B/A = 2.24$
6			<u></u>	Hydrophytic Vegetation Indicators:
7		<u></u>	<u> </u>	1 - Rapid Test for Hydrophytic Vegetation
	20	= Total Co	ver	✓ 2 - Dominance Test is >50%
Herb Stratum (Plot size: 5 ft r)				✓ 3 - Prevalence Index is ≤3.0 ¹
1 Solidago rugosa	30	~	FAC	4 - Morphological Adaptations ¹ (Provide supporting
 Euthamia graminifolia 	20		EAC	Problematic Hydrophytic Vegetation ¹ (Explain)
	15			
	10			¹ Indicators of hydric soil and wetland hydrology must
4. Symphyotrichum lanceolatum	15		FACW	be present, unless disturbed or problematic.
5. Lythrum salicaria	10		OBL	Definitions of Vegetation Strata:
_{6.} Verbena hastata	5		FACW	Tree – Woody plants 3 in (7.6 cm) or more in diameter
7				at breast height (DBH), regardless of height.
8				Sanling/shrub – Woody plants less than 3 in DBH
9.				and greater than or equal to 3.28 ft (1 m) tall.
10.				Herb - All berbaceous (non-woody) plants, regardless
11				of size, and woody plants less than 3.28 ft tall.
10			·	Woody vines - All woody vines greater than 3.28 ft in
12				height.
20 #	95	= Total Co	ver	
Woody Vine Stratum (Plot size: 30 ft r)				
1			<u> </u>	
2			·	
3			<u> </u>	Hydrophytic
4				Vegetation
	0	= Total Co	ver	Present? Tes No No
Remarks: (Include photo numbers here or on a separate	sheet.)			
	,			

OUL

Profile Desc	ription: (Describe	to the dept	h needed to docur	nent the i	indicator	or confirm	n the absence	of indicators.)		
Depth	Matrix		Redo	x Feature	s					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0 - 8	10YR 3/1	100					Clay Loam			
8 - 24	10YR 5/1	100					Clay Loam	Rock at bottom		
-										
-										
							. <u></u> .			
				- <u></u>						
							. <u> </u>			
-										
-										
¹ Type: C=Co	oncentration, D=Dep	letion, RM=	Reduced Matrix, M	S=Masked	d Sand Gra	ains.	² Location	n: PL=Pore Lining, M=Matrix.		
Histosol	(A1)		Polyvalue Belo	w Surface	(58) (1 0	D	2 cm M	Auck (A10) (I BB K MI BA 149B)		
Histic Er	(AI) Dipedon (A2)	-			(50) (LK	、 Γ,	Coast	Prairie Redox (A16) (I RR K I R)		
Black Hi	stic (A3)		Thin Dark Surfa	, ace (S9) (I	RR R. M	LRA 149B) 5 cm N	Aucky Peat or Peat (S3) (LRR K. L. R)		
Hydroge	en Sulfide (A4)	-	Loamy Mucky N	Mineral (F	1) (LRR K	, L)	Dark S	Surface (S7) (LRR K, L)		
Stratified	d Layers (A5)	_	Loamy Gleyed	Matrix (F2	2)		Polyva	alue Below Surface (S8) (LRR K, L)		
✓ Depleted	d Below Dark Surfac	e (A11)	Depleted Matrix	(F3)			Thin D	ark Surface (S9) (LRR K, L)		
Thick Da	ark Surface (A12)	-	Redox Dark Su	rface (F6)			Iron-M	anganese Masses (F12) (LRR K, L, R)		
Sandy M	lucky Mineral (S1)	-	Depleted Dark	Surface (F	7)		Piedm	Piedmont Floodplain Soils (F19) (MLRA 149B)		
Sandy G	Bleyed Matrix (S4)	-	Redox Depress	ions (F8)			Mesic	Spodic (TA6) (MLRA 144A, 145, 149B)		
Sandy R	Redox (S5)						Red P	arent Material (F21)		
Stripped	Matrix (S6)						Very S	Shallow Dark Surface (TF12)		
Dark Su	rface (S7) (LRR R, N	MLRA 149B))				Other	(Explain in Remarks)		
³ Indicators of	f hydrophytic vegeta	tion and wet	land hydrology mus	st be prese	ent, unless	s disturbed	l or problematio	C.		
Restrictive I	Layer (if observed):									
Туре:										
Depth (ind	ches):						Hydric Soil	Present? Yes No		
Remarks:										

W16-1

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Line 1580 Segment 4	Cit	y/County: Naugatuck Valley	y County	Sampling Date: 2024-03-14
Applicant/Owner: Eversource		S	State: Connecticut	Sampling Point: 1580 Segment 4 W16-1
Investigator(s): Matt Regan	Se	ction, Township, Range:		
Landform (hillslope, terrace, etc.): Hillsl	ope Local	relief (concave, convex, none):	Concave	Slope (%): 0
Subregion (I BR or MI BA) R 144A	Lat. 41.41801862	Long: -73.15	467605	Datum [.] WGS 84
Soil Map Unit Name: 45B - Woodbrid	lge fine sandy loam, 3 to 8	percent slopes	NWI classifica	tion:
Are climatic / hydrologic conditions on th	e site typical for this time of year?	Yes No 🖌 (If r	ıo, explain in Re	marks.)
Are Vegetation, Soil, or H	lydrology significantly dis	turbed? Are "Normal Ci	rcumstances" pre	esent? Yes <u> </u> No
Are Vegetation, Soil, or H	lydrology naturally proble	matic? (If needed, expl	ain any answers	in Remarks.)
SUMMARY OF FINDINGS – At	tach site map showing sa	ampling point locations	s, transects,	important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: (Explain alternative procedu Climate conditions are w	Yes <u>v</u> No <u>No</u> Yes <u>v</u> No <u>No</u> res here or in a separate report.)	Is the Sampled Area within a Wetland? If yes, optional Wetland Sit	Yes	_ No
HYDROLOGY				
Wetland Hydrology Indicators:		Se	condary Indicate	ors (minimum of two required)
Primary Indicators (minimum of one is i	equired; check all that apply)		_ Surface Soil C	racks (B6)
Surface Water (A1)	Water-Stained Lea	ives (B9)	Drainage Patte	erns (B10)
High Water Table (A2)	Aquatic Fauna (B1	3)	_ Moss Trim Lin	es (B16)
Saturation (A3)	Marl Deposits (B1	5)	_ Dry-Season W	ater Table (C2)
Water Marks (B1)	Hydrogen Sulfide	Odor (C1)	_ Crayfish Burro	ws (C8)

Saturation (A3)			Marl Deposits (B15)		Dry-Season Water Table (C2)
Water Marks (B1)			Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)
Sediment Deposits (B2)			Oxidized Rhizospheres on Living F	Roots (C3)	Saturation Vis ble on Aerial Imagery (C9)
Drift Deposits (B3)			Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)			Recent Iron Reduction in Tilled So	oils (C6)	 Geomorphic Position (D2)
Iron Deposits (B5)			Thin Muck Surface (C7)		Shallow Aquitard (D3)
Inundation Visible on Aerial I	Imagery (B7)		Other (Explain in Remarks)		Microtopographic Relief (D4)
Sparsely Vegetated Concave	e Surface (B8	8)			FAC-Neutral Test (D5)
Field Observations:					
Surface Water Present? Y	/esNo	, <u> </u>	Depth (inches):		
Water Table Present? Y	/es 🖌 No	o	Depth (inches): <u>5</u>		
Saturation Present? Y	res 🖌 No)	Depth (inches): 0	Wetland H	lydrology Present? Yes 🖌 No 🔜

(includes capillary fringe)

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Wetland Hydrology Present? Yes

Sampling Point: 1580 Segment 4 W16-1

Trop Stratum (Plot size: 30)	Absolute % Cover	Dominant	Indicator	Dominance Test worksheet:
				Number of Dominant Species
1				That Are OBL, FACW, or FAC: \angle (A)
2				Total Number of Dominant
3				Species Across All Strata: <u>5</u> (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 00.00 (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of:Multiply by:
		= Total Cov	ver	OBL species 0 x 1 = 0
Sapling/Shrub Stratum (Plot size: 15)				FACW species <u>10</u> x 2 = <u>20</u>
_{1.} Lonicera morrowii	50	~	FACU	FAC species $\frac{70}{10}$ x 3 = $\frac{210}{10}$
2. Cornus alba	10		FACW	FACU species 50 x 4 = 200
3				UPL species $\frac{0}{120}$ x 5 = $\frac{0}{120}$
0				Column Totals: <u>130</u> (A) <u>430</u> (B)
4				Prevalence Index = $B/A = 3.30$
5				
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
	60	= Total Cov	ver	\checkmark 2 - Dominance Test is >50%
Herb Stratum (Plot size: 5)				3 - Prevalence index is > 3.0
_{1.} Solidago rugosa	50	~	FAC	data in Remarks or on a separate sheet)
2. Euthamia graminifolia	20	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
3.				
A				¹ Indicators of hydric soil and wetland hydrology must
T				be present, unless disturbed of problematic.
5				Definitions of Vegetation Strata:
6				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
7				at breast height (DBH), regardless of height.
8				Sapling/shrub – Woody plants less than 3 in. DBH
9				and greater than or equal to 3.28 ft (1 m) tall.
10				Herb – All herbaceous (non-woody) plants, regardless
11				of size, and woody plants less than 3.28 ft tall.
12				Woody vines – All woody vines greater than 3.28 ft in
	70	= Total Cov	ver	height.
Woody Vine Stratum (Plot size: 30)				
1				
·				
2				
3				Hydrophytic Vegetation
4				Present? Yes <u> V</u> No
		= Total Cov	ver	
Remarks: (Include photo numbers here or on a separate	sheet.)			

Profile Desc	ription: (Describe	to the dep	oth needed to docur	ment the	indicator	or confirm	the absence of	indicators.)
Depth	Matrix		Redo	x Feature	S			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 7	10YR 3/1	100					Silty Clay Loam	
7 - 20	10YR 4/1	95	10YR 4/6	5	С	М	Sandy Clay Loam	
							·	
-								
-								
-								
-		- <u> </u>						
							·	
					·			
					·			
-								
-					- <u></u>			
¹ Type: C=Co	oncentration, D=Dep	letion, RN	=Reduced Matrix, M	S=Maske	d Sand Gr	ains.	² Location: P	PL=Pore Lining, M=Matrix.
Hydric Soil	indicators:			~ ~			Indicators for	Problematic Hydric Soils":
Histosol	(A1)		Polyvalue Belo	w Surface	(S8) (LR	R R,	2 cm Muc	k (A10) (LRR K, L, MLRA 149B)
Black Hi	stic (Δ 3)		Thin Dark Surfa) ace (S9) (I			5 cm Muc	sky Peat or Peat (S3) (LRR K, L, R)
Hvdroge	n Sulfide (A4)		Loamy Mucky N	Mineral (F	1) (LRR K	(.L)	Dark Surf	ace (S7) (LRR K. L)
Stratified	Layers (A5)		Loamy Gleyed	Matrix (F2	<u>2)</u>	-, -,	Polyvalue	Below Surface (S8) (LRR K, L)
✓ Depleted	d Below Dark Surfac	e (A11)	 Depleted Matrix 	к (F3)	,		Thin Dark	Surface (S9) (LRR K, L)
Thick Da	ark Surface (A12)		Redox Dark Su	rface (F6))		Iron-Mang	ganese Masses (F12) (LRR K, L, R)
Sandy M	lucky Mineral (S1)		Depleted Dark	Surface (F	-7)		Piedmont	Floodplain Soils (F19) (MLRA 149B)
Sandy G	leyed Matrix (S4)		Redox Depress	sions (F8)			Mesic Spo	odic (TA6) (MLRA 144A, 145, 149B)
Sandy R	edox (S5)						Red Pare	nt Material (F21)
Stripped	Matrix (S6)						Very Shal	llow Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, N	/ILRA 149	B)				Other (Ex	plain in Remarks)
³ Indicators of	f hydrophytic vegeta	tion and w	etland hydrology mus	st be pres	ent, unles	s disturbed	or problematic.	
Restrictive I	_ayer (if observed):							
Туре:								
Depth (ind	ches):						Hydric Soil Pro	esent? Yes No
Remarks:								

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Line 1580	City/County: N	lew Haven County	Sampling Date: 2020-09-24		
Applicant/Owner: Eversource		State: Connectic	ut Sampling Point: 1415 W21		
Investigator(s): MHZ, RKV	Section, Town	ship, Range:			
Landform (hillslope, terrace, etc.): Hillslope	Local relief (conca	ave, convex, none): Concave	Slope (%): 5		
Subregion (LRR or MLRA): R144A Lat: 41.4	177246	Long: -73.1586248	Datum: WGS 84		
Soil Map Unit Name: 103 - Rippowam fine sandy loam	1	NWI classific	cation:		
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)					
Are Vegetation <u>v</u> , Soil <u>v</u> , or Hydrology <u>v</u> sig	nificantly disturbed?	Are "Normal Circumstances"	present? Yes No 🔽		
Are Vegetation, Soil, or Hydrology na	turally problematic?	(If needed, explain any answe	ers in Remarks.)		
SUMMARY OF FINDINGS – Attach site map s	howing sampling p	point locations, transects	, important features, etc.		
Hydrophytic Vegetation Present? Yes No	Is the S	ampled Area			
Hydric Soil Present? Yes Ves No	within a	a Wetland? Yes V	No		
Wetland Hydrology Present? Yes Ves No	If yes, c	ptional Wetland Site ID: 1415 W	/21		
Remarks: (Explain alternative procedures here or in a sepa	rate report.)				
Drought					

Next to utility structure and access road

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

Sampling Point: 1415 W21

Incertaining Provide size: 30 (i) Provide size: 30 (ii) 1 Incertaining Provide size: 30 (iii) 2 Incertaining Provide size: 30 (iii) 3 Incertaining Provide size: 30 (iii) 4 Incertaining Provide size: 30 (iiii) 5 Incertaining Provide size: 30 (iiii) 6 Incertaining Provide size: 30 (iiii) 7 Incertaining Provide size: 30 (iiii) 1 Corrus amonum S V 1 Corrus amonum S V 2 Itex verticitiata S V 3 Lonicera morrowiii S V 5 V FACW 4 Incertains S V 5 V FACW 6 Incertains S V 7 Incertains S V 8 Incertains S V OBL 9 Incertains anglitata S V OBL 9 Problematic Hydrophytic Vegetation Indicators Incerain workey plan	T 0: (D) (C) (C) (C) (C) (C) (C) (C) (C) (C) (C	Absolute	Dominant	Indicator	Dominance Test worksheet:
1	<u>Iree Stratum</u> (Plot size: <u>30 TT</u>)	% Cover	Species?	Status	Number of Dominant Species
2	1				That Are OBL, FACW, or FAC: 8 (A)
3.	2	·	·		Total Number of Dominant
4.	3				Species Across All Strata: (B)
5.	4				Percent of Dominant Species
6.	5	·	·		That are OBL, FACW, or FAC: $\underline{OO.OO}$ (A/B)
T Total % Cover Total % Cover of: Multiply br Sapling/Shub Stratum (Plot size: 15 ft r) 0 = Total Cover FACW V $x 1 = 20$ Sapling/Shub Stratum (Plot size: 15 ft r) 5 \checkmark FACW FACW FACW 2. licx verticillata 5 \checkmark FACW FACW FACW FACW 4. 5 \checkmark FACU Prevalence Index = B/A = 190 FACW Prevalence Index = B/A = 190 4. 5 \checkmark FACU Prevalence Index = B/A = 190 FACU Prevalence Index = B/A = 190 4. 15 = Total Cover FACW Prevalence Index = B/A = 190 FACW 9. 15 = Total Cover FACW Prevalence Index = B/A = 190 FACW 14. Prevalence Index = SA 1.0 \checkmark FACW Prevalence Index is 3.0° - 15 = Total Cover Hydrophytic Vegetation FCW - - - 1 Impatters capensis 10 \checkmark FACW - - - - - - - Problematics or (P	6				Prevalence Index worksheet:
0 = Total Cover OBL species 20 x1 = 20 A Corrus amonum 5 V FACW species 5 x2 = 40 2. liex verticiliata 5 V FACW FACW species 5 x4 = 20 3. Lonicera morrowii 5 V FACU FACU species 5 x4 = 20 4.	7				Total % Cover of: Multiply by:
SapalingShub Stratum (Plot size: 15 ft r) 1. Cornus amonum 5 _ / FACW FACW species 20 _ x2 = 40 2. llex verticiliata _ 5 / / FACW FACW species 5 _ x4 = 20 2. llex verticiliata _ 5 / / FACW FACU species 5 _ x4 = 20 4		0	= Total Cov	/er	OBL species $\frac{20}{x_1} = \frac{20}{x_2}$
1. Corrus amonum 5 ✓ FACW FAC species 5 × 3 = 15 2. liex verticiliata 5 ✓ FACW FACU species 5 × 4 = 20 3. Lonicera morrowii 5 ✓ FACU FACU FACU FACU FACU species 5 × 4 = 20 4. 5 ✓ FACU Column Totals: 50 (A) 95 (B) FACU Column Totals: 50 (A) 95 (B) FACU FACU FACU FACU FACU Facularia Column Totals: 50 (A) 95 (C) FACU FACU Column Totals: 50 (C) 20 Column Totals: 50 (C) FACU FACU FACU Column Totals: 50 (C) (FACU FACU FACU FACU	Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species 20 x 2 = 40
2. lex verticiliata 5 \checkmark FACW 3. Lonicera morrowii 5 \checkmark FACU 4.	1. Cornus amomum	5	~	FACW	FAC species $\frac{5}{5}$ $x_3 = \frac{15}{20}$
3. Lonicera morrowii 5 ✓ FACU UPL species 0 x 5 = 0 x 6 = 0 Column Totals: 50 (A) 95 (B) 4.	2. Ilex verticillata	5	~	FACW	FACU species 5 $x 4 = 20$
4.	_{3.} Lonicera morrowii	5	~	FACU	UPL species 0 $x = 0$
5. Prevalence Index = B/A = 1.90 6. Impatient control in the second stratum (Plot size: 5 ft r) 1. Impatient control in the second stratum (Plot size: 5 ft r) 1. Impatient control in the second stratum (Plot size: 5 ft r) 1. Impatient control in the second stratum (Plot size: 5 ft r) 1. Impatient control in the second stratum (Plot size: 5 ft r) 1. Impatient control in the second stratum (Plot size: 5 ft r) 2. Juncus effusus 3. Lythrum salicaria 4. Persicaria sagittata 5. \checkmark OBL 6. Impatient control in the second stratum (Plot size: 30 ft r) 7. Impatient control in the second stratum (Plot size: 30 ft r) 8. Impatient control in the second stratum (Plot size: 30 ft r) 1. Impatient control in the second stratum (Plot size: 30 ft r) 1. Impatient control in the second stratum (Plot size: 30 ft r) 1. Impatient control in the second stratum (Plot size: 30 ft r) 1. Impatient control in the second stratum (Plot size: 30 ft r) 1. Impatient control in the second stratum control in the second stratum cond stratum control in the sec	4.				Column Totals: <u>50</u> (A) <u>50</u> (B)
6.	5.				Prevalence Index = $B/A = 1.90$
7.	6.				Hydrophytic Vegetation Indicators:
15 = Total Cover Herb Stratum (Plot size: 5 ft r) 1. Impatiens capensis 10 ✓ FACW 2. Juncus effusus 5 ✓ OBL 3. Lythrum salicaria 5 ✓ OBL 4. Persicaria sagittata 5 ✓ OBL 5. Scirpus cyperinus 5 ✓ OBL 6.	7				1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: <u>5 ft r</u>) 1		15	– Total Cov		✓ 2 - Dominance Test is >50%
1. impatiens capensis 10 ✓ FACW 2. Juncus effusus 5 ✓ OBL 3. jythrum salicaria 5 ✓ OBL 5. Scirpus cyperinus 5 ✓ OBL 6. — Carter of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 7. — OBL Definitions of Vegetation Strata: 7. — Carter of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 8. — Carter of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 9. — Carter of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 9. — Carter of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 10. — Carter of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 11. — Carter of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 12. _ Garter of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	Horb Stratum (Plat aize: 5 ft r		- 10121000		\checkmark 3 - Prevalence Index is ≤3.0 ¹
1. Unput the depinition 10 Impact of the depinition 2. Juncus effusus 5 Impact of the depinition 3. Lythrum salicaria 5 Impact of the depinition 4. Persicaria sagittata 5 Impact of the depinition 5. Scirpus cyperinus 5 Impact of the depinition 6. Impact of the depinition Impact of the depinition 7. Impact of the depinition Impact of the depinition 8. Impact of the depinition Impact of the depinition 9. Impact of the depinition Impact of the depinition 9. Impact of the depinition Impact of the depinition Impact of the depinition 10. Impact of the depinition Impact of the depinition Impact of the depinition 11. Impact of the depinition Impact of the depinition Impact of the depinition 12. Impact of the depinition Impact of the depinition Impact of the depinition 13. Impact of the depinition Impact of the depinition Impact of the depinition 13. Impact of the depinition Impact of the depinition Impact of the depinition 14. Impact of the dep	Impatiens canensis	10			4 - Morphological Adaptations ¹ (Provide supporting
2. Junctus endusts 3 J V OBL		5			Broblematic Hydrophytic Vegetation ¹ (Explain)
3. Lydrium saicaria 5 ✓ OBL ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 5. Scirpus cyperinus 5 ✓ OBL Definitions of Vegetation Strata: 6.		<u> </u>			
4. Persicaria sagittata 5 ✓ OBL be present, unless disturbed or problematic. 5. Scirpus cyperinus 5 ✓ OBL Definitions of Vegetation Strata: 6.	3. Lythrum sailcana	<u> </u>	<u> </u>		¹ Indicators of hydric soil and wetland hydrology must
5. Scirpus cyperinus 5 ✓ OBL 6. — — 7. — 8. — 9. — 10. — 11. — 12. — 30 = Total Cover Woody Vine Stratum (Plot size: 30 ft r 3 4 5. ✓ 5. ✓ FAC 2. 3. 4. 5. 5. 5. 7. 9. 9. 10. 11. 12. 30. = Total Cover Hydrophytic Ves No Remarks: (Include photo numbers here or on a separate sheet.) Definitions of Vegetation Strata: Tree - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Hydrophytic Vegetation Yes	4. Persicaria sagittata		<u> </u>	OBL	be present, unless disturbed or problematic.
6.	5. Scirpus cyperinus	5	<u> </u>	OBL	Definitions of Vegetation Strata:
7	6				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
8.	7				at breast height (DBH), regardless of height.
9.	8				Sapling/shrub – Woody plants less than 3 in. DBH
10.	9				and greater than or equal to 3.28 ft (1 m) tall.
11.	10				Herb – All herbaceous (non-woody) plants, regardless
12. 30 = Total Cover Woody Vine Stratum (Plot size: 30 ft r) 1. 1. Vitis riparia 5 \checkmark FAC 2.	11				of size, and woody plants less than 3.28 ft tall.
$\frac{30}{1. \text{ Vitis riparia}} = \text{Total Cover}$ $\frac{30}{1. \text{ Vitis riparia}} = \text{Total Cover}$ $\frac{5}{2. \text{ FAC}} = \frac{5}{2. \text{ FAC}}$ $\frac{1}{2. \text{ FAC}} = \frac{1}{2. \text{ FAC}}$ $\frac{1}{2. F$	12				Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r) 1. Vitis riparia 5 ✓ FAC 2 3		30	= Total Cov	/er	neight.
1. Vitis riparia 5 ✓ FAC 2.	Woody Vine Stratum (Plot size: 30 ft r)				
2	1. Vitis riparia	5	~	FAC	
3.	2.				
4	3.				Hydrophytic
Image: Second	4				Vegetation
Remarks: (Include photo numbers here or on a separate sheet.)		5	= Total Cov	/er	Present? Yes <u>No</u> No
	Remarks: (Include photo numbers here or on a separate s	sheet.)	- 10101 001		
		,			

Profile Desc	ription: (Describe	to the dep	th needed to docun	nent the	indicator	or confirm	the absence	of indicators.)
Depth	Matrix		Redo	x Feature	s	2		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 12	10YR 3/1	85	10YR 4/2	10	D	М	Loamy Sand	
0 - 12			2.5YR 3/6	5	C	М		
-								
-				·	<u> </u>			
					<u> </u>			
-								
-								
¹ Type: C=Co	oncentration, D=Depl	etion, RM=	Reduced Matrix, MS	S=Maske	d Sand Gr	ains.	² Location	PL=Pore Lining, M=Matrix.
Hydric Soil I	(A1)		Polyvalue Belov	v Surface	e (S8) (LR	R R,	Indicators	for Problematic Hydric Soils": Nuck (A10) (LRR K, L, MLRA 149B)
Black Hi	stic (A3)		Thin Dark Surfa	ce (S9) (LRR R. M	LRA 149B)	Coast 5 cm N	frame Redox (A16) (LRR K, L, R) fucky Peat or Peat (S3) (LRR K, L, R)
Hydroge	n Sulfide (A4)		Loamy Mucky M	/lineral (F	1) (LRR K	Liter (102) (, L)	Dark S	urface (S7) (LRR K, L)
Stratified	Layers (A5)		Loamy Gleyed I	Matrix (F2	2)		Polyva	lue Below Surface (S8) (LRR K, L)
Depleted	d Below Dark Surface	∋ (A11)	Depleted Matrix	(F3)			Thin D	ark Surface (S9) (LRR K, L)
Thick Da	ark Surface (A12)		Redox Dark Sui	rface (F6))		Iron-Ma	anganese Masses (F12) (LRR K, L, R)
Sandy M	lucky Mineral (S1)		Depleted Dark S	Surface (I	=7)		Piedmo	ont Floodplain Soils (F19) (MLRA 149B)
Sandy G	leyed Matrix (S4)		Redox Depress	ions (F8)			Mesic	Spodic (TA6) (MLRA 144A, 145, 149B)
🖌 Sandy R	edox (S5)						Red Pa	arent Material (F21)
Stripped	Matrix (S6)						Very S	hallow Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, N	ILRA 149E	3)				Other (Explain in Remarks)
³ Indicators of	f hydrophytic vegetat	ion and we	etland hydrology mus	t be pres	ent, unles	s disturbed	or problematic	
Restrictive I	_ayer (if observed): oulder							
Depth (inc	ches): 12						Hydric Soil	Present? Yes 🖌 No
Remarks:								
Bouldery	/ hummocks							

W17-1

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Line 1580 Segment 4	City/County: Naugatuck Va	alley County Sampling Date: 2024-03-14
Applicant/Owner: Eversource		_ State: <u>Connecticut</u> Sampling Point: <u>1580 Segment 4 W17-1</u>
Investigator(s): Matt Regan	Section, Township, Range:	
Landform (hillslope, terrace, etc.): Hillslope	Local relief (concave, convex, no	ne): Concave Slope (%): 0-2
Subregion (LRR or MLRA): R 144A	at: 41.41740051	3.15516892 Datum: WGS 84
Soil Map Linit Name: 45B - Woodbridge fine si	andy loam, 3 to 8 percent slopes	NW/I classification:
An elimetic (hedrelenic endition of the site trained		
Are climatic / hydrologic conditions on the site typica	al for this time of year? Yes No	(If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology _	significantly disturbed? Are "Norma	Il Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology _	naturally problematic? (If needed,	explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site	map showing sampling point location	ons, transects, important features, etc.
	Is the Sampled Area	
Hydrophylic Vegetation Present? Yes	within a Wetland?	Yes 🖌 No
Wotland Hydrology Present?		
Demode (Embine the set is a set of the set o		
HYDROLOGY		
Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; ch	eck all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns (B10)
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots (C3)	Saturation Vis ble on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C6)	Geomorphic Position (D2)
Iron Deposits (B5)	I hin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)		FAC-Neutral Test (D5)

oparoor, rogotatoa oo		(20)	
Field Observations:			
Surface Water Present?	Yes	_ No 🖍	Depth (ii
Water Table Present?	Yes 🖌	_ No	Depth (ii
Saturation Present? (includes capillary fringe)	Yes 🖌	_ No	Depth (ii
Describe Recorded Data (st	ream gauge, i	monitoring w	ell, aerial

es _____ No ____ Depth (inches): _____ es ____ No ____ Depth (inches): 11 _____ es ____ No ____ Depth (inches): 7 _____ Wetland Hydrology Present? Yes gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

No

Sampling Point: 1580 Segment 4 W17-1

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant	Indicator	Dominance Test worksheet:
	<u>/// Cover</u>			Number of Dominant Species
1				That Are OBL, FACW, or FAC: $\underline{2}$ (A)
2				Total Number of Dominant
3				Species Across All Strata: 2 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 100.00 (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of:Multiply by:
		= Total Co	ver	OBL species 75 x 1 = 75
Sapling/Shrub Stratum (Plot size: 15)				FACW species $0 x^2 = 0$
1				FAC species 0 x 3 = 0
2				FACU species 0 x 4 = 0
2				UPL species $\frac{0}{}$ x 5 = $\frac{0}{}$
3				Column Totals: <u>75</u> (A) <u>75</u> (B)
4				Prevalence Index - R/A - 1.00
5				
6				Hydrophytic Vegetation Indicators:
7				✓ 1 - Rapid Test for Hydrophytic Vegetation
		= Total Co	ver	∠ 2 - Dominance Test is >50%
Herb Stratum (Plot size: 5)				\checkmark 3 - Prevalence index is $\leq 3.0^{\circ}$
1. Juncus effusus	50	~	OBL	data in Remarks or on a separate sheet)
2. Carex crinita	25	~	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
3				
а				¹ Indicators of hydric soil and wetland hydrology must
4				be present, unless disturbed or problematic.
5				Definitions of Vegetation Strata:
6				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
7				at breast height (DBH), regardless of height.
8				Sapling/shrub – Woody plants less than 3 in. DBH
9				and greater than or equal to 3.28 ft (1 m) tall.
10				Herb – All herbaceous (non-woody) plants, regardless
11				of size, and woody plants less than 3.28 ft tall.
12.				Woody vines – All woody vines greater than 3.28 ft in
	75	= Total Co	ver	height.
Weady Vine Stratum (Plat aize: 30				
1				
2				
3			<u> </u>	Hydrophytic Versteijer
4				Present? Yes V No
		= Total Co	ver	
Remarks: (Include photo numbers here or on a separate	sheet.)			

I

Profile Desc	ription: (Describe	to the dep	oth needed to docur	nent the	indicator	or confirm	the absence of indicators.)	
Depth	Matrix		Redo	x Feature	s			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture Remarks	
0 - 7	10YR 3/1	100					Silty Clay Loam	
7 - 12	10YR 4/1	95	10YR 4/4	5	С	М	Silty Clay Loam	
		·					·	
		·						
-		. <u> </u>						
-								
		·			·			
		·						
		·						
-								
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		·						
		·						
-		<u> </u>						
¹ Type: C=Co	oncentration, D=Dep	letion, RM	=Reduced Matrix, M	S=Maske	d Sand Gr	ains.	² Location: PL=Pore Lining, M=Matrix.	
Hydric Soil	Indicators:						Indicators for Problematic Hydric So	ils':
Histosol	(A1)		Polyvalue Belov	w Surface	e (S8) (LR I	R R,	2 cm Muck (A10) (LRR K, L, MLRA	149B)
Histic Ep	orpedon (A2)		MLRA 1498) 200 (SQ) (I			Coast Prairie Redox (A16) (LRR K,	L, R) PKIP(
Hvdroge	en Sulfide (A4)		Loamv Muckv M	Mineral (F	1) (LRR K	LKA 1490) (. L)	Dark Surface (S7) (LRR K. L)	Υ Ν, Ε, Ν)
Stratified	d Layers (A5)		Loamy Gleyed	Matrix (F2	<u>2)</u>	, _,	Polyvalue Below Surface (S8) (LRF	₹K, L)
✓ Depleted	d Below Dark Surfac	e (A11)	Depleted Matrix	(F3)			Thin Dark Surface (S9) (LRR K, L)	
Thick Da	ark Surface (A12)		Redox Dark Su	rface (F6))		Iron-Manganese Masses (F12) (LR	R K, L, R)
Sandy M	lucky Mineral (S1)		Depleted Dark	Surface (F	=7)		Piedmont Floodplain Soils (F19) (M	LRA 149B)
Sandy G	Bleyed Matrix (S4)		Redox Depress	sions (F8)			Mesic Spodic (TA6) (MLRA 144A, Bod Decent Meterial (E21)	145, 149B)
Sanuy R	Matrix (S6)						Very Shallow Dark Surface (TE12)	
Dark Su	rface (S7) (LRR R. N	/LRA 149	3)				Other (Explain in Remarks)	
			,					
³ Indicators of	f hydrophytic vegeta	tion and w	etland hydrology mus	st be pres	ent, unles	s disturbed	or problematic.	
Restrictive I	Layer (if observed):							
Туре: КС	OCK 10							
Depth (ind	ches): <u>12</u>						Hydric Soil Present? Yes	No
Remarks:								

W17·

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Line 1580 Segment 4	City/County:	Naugatuck Valley County Sa	ampling Date: 2024-03-14
Applicant/Owner: Eversource		State: Connecticut	Sampling Point:
Investigator(s): Matt Regan	Section, Tov	vnship, Range:	
Landform (hillslope, terrace, etc.); Depre	ssion Local relief (cor	cave. convex. none): Concave	Slope (%): 0-1
Subregion (I RR or MI RA): R 144A	Lat. 41.41704879	Long: -73.15534735	WGS 84
Soil Map Unit Name: 45B - Woodbride	ge fine sandy loam, 3 to 8 percent	slopes NWI classification	Datam
Are climatic / hydrologic conditions on the Are Vegetation, Soil, or Hy Are Vegetation, Soil, or Hy SUMMARY OF FINDINGS – Attr	site typical for this time of year? Yes rdrology significantly disturbed? rdrology naturally problematic?	No (If no, explain in Rema Are "Normal Circumstances" pres (If needed, explain any answers in point locations, transects, ir	arks.) ent? Yes <u>/</u> No n Remarks.)
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes V No Is the within wit	s Sampled Area n a Wetland? Yes , optional Wetland Site ID:	No
Climate conditions are we	etter than normal.		
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indicators	s (minimum of two required)
Primary Indicators (minimum of one is re	quired; check all that apply)	Surface Soil Cra	icks (B6)
Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterr	ns (B10)
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines	s (B16)
Saturation (A3)	Marl Deposits (B15)	Dry-Season Wat	ter Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows	s (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on L	iving Roots (C3) Saturation Vis bl	e on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4) Stunted or Stres	sed Plants (D1)

____ Thin Muck Surface (C7)

Yes <u>Ves</u> No Depth (inches): 2

Yes <u>V</u> No Depth (inches): <u>12</u>

Yes <u>V</u> No Depth (inches): <u>6</u>

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

____ Other (Explain in Remarks)

____ Recent Iron Reduction in Tilled Soils (C6)

Remarks:

___ Iron Deposits (B5)

Field Observations:

Surface Water Present?

(includes capillary fringe)

Water Table Present?

Saturation Present?

____ Algal Mat or Crust (B4)

____ Inundation Visible on Aerial Imagery (B7)

Sparsely Vegetated Concave Surface (B8)

____ Geomorphic Position (D2)

Microtopographic Relief (D4)

No

____ Shallow Aquitard (D3)

FAC-Neutral Test (D5)

Wetland Hydrology Present? Yes

Sampling Point: 1580 Segment 4 W17-2

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant	Indicator	Dominance Test worksheet:
				Number of Dominant Species
				That Are OBL, FACW, or FAC: 2 (A)
2				Total Number of Dominant
3				Species Across All Strata: 2 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 100.00 (A/B)
6			<u> </u>	Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
		= Total Co	ver	OBL species 90 x 1 = 90
Sapling/Shrub Stratum (Plot size: 15)				FACW species $0 x^2 = 0$
1				FAC species 0 x 3 = 0
2				FACU species 0 x 4 = 0
2				UPL species $\frac{0}{2}$ x 5 = $\frac{0}{2}$
3				Column Totals: <u>90</u> (A) <u>90</u> (B)
4				$Prevalence Index = B/\Delta = 1.00$
5				
6				Hydrophytic Vegetation Indicators:
7				✓ 1 - Rapid Test for Hydrophytic Vegetation
		= Total Co	ver	∠ 2 - Dominance Test is >50%
Herb Stratum (Plot size: 5)				\checkmark 3 - Prevalence index is $\leq 3.0^{\circ}$
_{1.} Juncus effusus	70	~	OBL	data in Remarks or on a separate sheet)
2. Carex crinita	20	~	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
3				
а				¹ Indicators of hydric soil and wetland hydrology must
4				be present, unless disturbed or problematic.
5				Definitions of Vegetation Strata:
6				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
7				at breast height (DBH), regardless of height.
8				Sapling/shrub – Woody plants less than 3 in. DBH
9				and greater than or equal to 3.28 ft (1 m) tall.
10				Herb – All herbaceous (non-woody) plants, regardless
11				of size, and woody plants less than 3.28 ft tall.
12.				Woody vines – All woody vines greater than 3.28 ft in
	90	= Total Co	ver	height.
Weady Vine Stratum (Plat aize: 30				
1				
2				
3				Hydrophytic
4				Present? Yes V No
		= Total Co	ver	
Remarks: (Include photo numbers here or on a separate	sheet.)			

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Profile Desc	cription: (Describe	to the dep	oth needed to docur	nent the	indicator	or confirn	n the absence of indica	ators.)
Depth	Matrix		Redo	x Feature	s			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 7	10YR 4/2	100					Clay Loam	
7 - 16	10YR 4/2	95	7.5YR 4/6	5	С	М	Clay Loam	
16 - 20	10YR 4/2	85	7.5YR 4/6	15	С	М	Clay Loam	
-								
-								
-								
-								
-								
-								
-								
-		·		<u></u>				
-		·						
¹ Type: C=C	oncentration. D=Dep	letion. RM	Reduced Matrix. M	S=Maske	d Sand Gr	ains.	² Location: PL=Po	re Lining, M=Matrix,
Hydric Soil	Indicators:	ieden, i di					Indicators for Prob	lematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belov	w Surface	e (S8) (LR I	RR,	2 cm Muck (A10	D) (LRR K, L, MLRA 149B)
Histic Ep	pipedon (A2)		MLRA 149B)			Coast Prairie R	edox (A16) (LRR K, L, R)
Black Hi	stic (A3)		Thin Dark Surfa	ace (S9) (LRR R, M	LRA 149B) 5 cm Mucky Pe	at or Peat (S3) (LRR K, L, R)
Hydroge	en Sulfide (A4)		Loamy Mucky M	Mineral (F	1) (LRR K	., L)	Dark Surface (S	(LRR K, L)
Stratified	d Layers (A5) d Dalaw Dark Curfee	- (111)	Loamy Gleyed	_ Loamy Gleyed Matrix (F2)				W Surface (S8) (LRR K, L)
Depieted	u Below Dark Surfac	e (ATT)	Podox Dark Su	rfaca (E6)	\ \			
Sandy M	Aucky Mineral (S1)		Depleted Dark	Depleted Dark Surface (F7)				Iplain Soils (F19) (MI RA 149B)
Sandy G	Gleved Matrix (S4)		Redox Depress	ions (F8)	,		Mesic Spodic ([A6) (MLRA 144A, 145, 149B)
Sandy F	Redox (S5)			(-)			Red Parent Mat	terial (F21)
Stripped	I Matrix (S6)						Very Shallow D	ark Surface (TF12)
Dark Su	rface (S7) (LRR R, N	/ILRA 149	B)				Other (Explain i	n Remarks)
³ Indicators o	f hydrophytic vegeta	tion and w	etland hydrology mus	st be pres	ent, unless	s disturbed	l or problematic.	
Restrictive	Layer (if observed):		, ,,					
Туре:								, ,
Depth (in	ches):						Hydric Soil Present	? Yes 🔽 No
Remarks:								

W17-3

DP _ --

WEILAND DETERMINATION DAT	A FORM – Northcentral and Northeast Region
Project/Site: Line 1580 Segment 4	City/County: Naugatuck Valley County Sampling Date: 2024-03-14
Applicant/Owner: Eversource	State: Connecticut Sampling Point: 1580 Segment 4 W17-3
Investigator(s): Matt Regan	Section, Township, Range:
Landform (hillslope, terrace, etc.): Hillslope	ocal relief (concave, convex, none): Concave Slope (%): 0-3
Subregion (LRB or MLRA): R144A	05
Soil Mon Unit Name: 45B - Woodbridge fine sandy loam, 3 to	2 8 percent slopes NIM/L classification:
An alter the Andre Larle and Man at the site three of the third for the time of the site o	
Are climatic / hydrologic conditions on the site typical for this time of y	ear? Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly	/ disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally pr	oblematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing	g sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No	Is the Sampled Area within a Wetland? Yes <u>V</u> No If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate repo	ort.)
Climate conditions are wetter than normal.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained	Leaves (B9) V Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna	(B13) Moss Trim Lines (B16)
Saturation (A3) Marl Deposits	(B15) Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulf	ide Odor (C1) Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhize	Spheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of R	educed Iron (C4) Stunted or Stressed Plants (D1)
Algal Mat of Crust (B4) Recent IIon Re	face (C7) Shellow Aguitard (D2)
Internet in the second	nin Romarks) Microtopographic Poliof (D4)
Sparsely Vegetated Concave Surface (B8)	✓ FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No V Depth (inches	3):
Water Table Present? Yes No V Depth (inches	3)
Saturation Present? Yes No V Depth (inches	s): Wetland Hydrology Present? Yes V No
(includes capillary fringe)	/ <u></u>
Describe Recorded Data (stream gauge, monitoring well, aerial phot	os, previous inspections), if available:
Remarks:	

Sampling Point: 1580 Segment 4 W17-3

Trace Official (Distribute 20	Absolute	Dominant	Indicator	Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size: <u>30</u>)	<u>% Cover</u>	<u>Species</u> ?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: _I (A)
2		·		Total Number of Dominant
3				Species Across All Strata: (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, of FAC: 100.00 (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
		= Total Cov	ver	OBL species 0 x 1 = 0
Sapling/Shrub Stratum (Plot size: 15)				FACW species <u>65</u> x 2 = <u>130</u>
_{1.} Cornus alba	65	~	FACW	FAC species $\frac{0}{17}$ x 3 = $\frac{0}{17}$
2. Lonicera morrowii	15		FACU	FACU species $\frac{15}{2}$ x 4 = $\frac{60}{2}$
3	·			UPL species $\frac{0}{20}$ x 5 = $\frac{0}{100}$
аа				Column Totals: 80 (A) 190 (B)
-+				Prevalence Index = $B/A = 2.37$
5				Hudronhutia Vagatatian Indiastara:
6				Hydrophytic vegetation indicators:
7				1 - Rapid Test for Hydrophylic Vegetation
	80	= Total Cov	ver	\checkmark 3 - Prevalence Index is <3.0 ¹
Herb Stratum (Plot size: 5)				4 - Morphological Adaptations ¹ (Provide supporting
1	<u> </u>			data in Remarks or on a separate sheet)
2				Problematic Hydrophytic Vegetation ¹ (Explain)
3.				
4	·			¹ Indicators of hydric soil and wetland hydrology must
5				
3				Definitions of Vegetation Strata:
0				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
/	- <u> </u>			at breast height (DBH), regardless of height.
8				Sapling/shrub – Woody plants less than 3 in. DBH
9				and greater than or equal to 3.28 ft (1 m) tall.
10	. <u> </u>	·		Herb – All herbaceous (non-woody) plants, regardless
11				of size, and woody plants less than 3.28 ft tall.
12				Woody vines – All woody vines greater than 3.28 ft in
		= Total Cov	ver	height.
Woody Vine Stratum (Plot size: <u>30</u>)				
1.				
2				
2				
3				Hydrophytic Vegetation
4	- <u> </u>			Present? Yes / No
		= Total Cov	ver	
Remarks: (Include photo numbers here or on a separate s	sheet.)			

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Profile Desc	ription: (Describe	to the dep	oth needed to docu	ment the	indicator	or confirm	n the absence of indica	tors.)
Depth	Matrix		Redo	x Feature	s			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 10	10YR 3/1	100					Loam	
10 - 20	10YR 4/1	95	10YR 4/4	5	С	М	Clay Loam	
					·			
		·			·		<u> </u>	<u> </u>
-					·			
-				_				
-				_				
		·						
		·			·			
		·			·			
-								
					·			
¹ Type: C=Co	oncentration, D=Dep	letion, RM	=Reduced Matrix, M	S=Maskeo	d Sand Gr	ains.	² Location: PL=Pore	e Lining, M=Matrix.
Hydric Soil	Indicators:						Indicators for Probl	ematic Hydric Soils':
Histosol	(A1)		Polyvalue Belo	w Surface	(S8) (LR	R R,	2 cm Muck (A10)) (LRR K, L, MLRA 149B)
Histic Ep	olpedon (A2)		MLRA 149B) (CO) (I			Coast Prairie Re	dox (A16) (LRR K, L, R)
	SUC (A3) on Sulfide ($\Delta 4$)		Loamy Mucky I	Mineral (F	1) (IRR K	LKA 1490 (1)	Dark Surface (S	7) (IRR K I)
Stratified	1 avers (A5)		Loamy Gleved	Matrix (F2	·) (E RIX IX ?)	, L)	Polyvalue Below	(Surface (S8) (I RR K. I.)
✓ Depleted	d Below Dark Surfac	e (A11)	 Depleted Matrix 	x (F3)	-,		Thin Dark Surfac	ce (S9) (LRR K. L)
Thick Da	ark Surface (A12)	()	Redox Dark Su	Inface (F6)			Iron-Manganese	Masses (F12) (LRR K, L, R)
Sandy M	lucky Mineral (S1)		Depleted Dark	Surface (F	-7)		Piedmont Floodp	plain Soils (F19) (MLRA 149B)
Sandy G	Bleyed Matrix (S4)		Redox Depress	sions (F8)	,		Mesic Spodic (T/	A6) (MLRA 144A, 145, 149B)
Sandy R	Redox (S5)			()			Red Parent Mate	erial (F21)
Stripped	Matrix (S6)						Very Shallow Da	ark Surface (TF12)
Dark Su	rface (S7) (LRR R, N	ILRA 149	B)				Other (Explain in	n Remarks)
³ Indicators of	f hydrophytic vegetat	tion and w	etland hydrology mu	st be pres	ent unles	s disturber	l or problematic	
Restrictive I	Layer (if observed):							
Туре:								
Depth (ind	ches):						Hydric Soil Present?	Yes 🖌 No
Remarks:							-	

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Line 1580: 2020	City/County: Oxford	Sampling Date: 2020-09-25				
Applicant/Owner: Eversource		State: Connecticut Sampling Point: 1413-1c-3				
Investigator(s): SME, JSC	Section, Township, Range: _					
Landform (hillslope, terrace, etc.): Floodplain	Local relief (concave, convex, no	one): Concave Slope (%): 10				
Subregion (LRR or MLRA): R 144A Lat: 4	1.4144287 Long: <u>-7</u> 3	3.1567774 Datum: NAD 83				
Soil Map Unit Name: 103 Rippowam fine sandy loar	n	NWI classification: PSS				
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)						
Are Vegetation, Soil, or Hydrology	significantly disturbed? Are "Norma	al Circumstances" present? Yes No _				
Are Vegetation, Soil, or Hydrology	naturally problematic? (If needed,	explain any answers in Remarks.)				
SUMMARY OF FINDINGS – Attach site map	showing sampling point locati	ons, transects, important features, etc.				
Hydrophytic Vegetation Present? Yes	No Is the Sampled Area within a Wetland?	Yes No				
Wetland Hydrology Present? Yes	No If yes, optional Wetlan	d Site ID: 1413 1C				
Remarks: (Explain alternative procedures here or in a se	eparate report.)					

Drought

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

Sampling Point: 1413-1c-3

Tree Stratum (Plot size: <u>30 ft r</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species
1				That Are OBL, FACW, or FAC: _4 (A)
3.				Total Number of Dominant Species Across All Strata: 5 (B)
4.				Percent of Dominant Species
5.				That Are OBL, FACW, or FAC: <u>80</u> (A/B)
6.				Presedence Induced at the
7.				Total % Cover of: Multiply by:
		= Total Co	ver	$\begin{array}{c c} \hline \hline$
Sapling/Shrub Stratum (Plot size: 15 ft r)		- 10101 00		FACW species 10 $x_2 = 20$
Lonicera japonica	20	~	FACU	FAC species $0 x 3 = 0$
2 llex verticillata	10	~	FACW	FACU species 20 x 4 = 80
3				UPL species $\frac{0}{00}$ x 5 = $\frac{0}{100}$
۵ ۵				Column Totals: 90 (A) 160 (B)
5				Prevalence Index = $B/A = 1.8$
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
··	30%	– Total Co	or	✓ 2 - Dominance Test is >50%
Horb Stratum (Plot size: 5 ft r)			vei	\checkmark 3 - Prevalence Index is ≤3.0 ¹
Persicaria sagittata	20	~	OBI	4 - Morphological Adaptations ¹ (Provide supporting
2 Symphyotrichum puniceum	20	~		Problematic Hydrophytic Vegetation ¹ (Explain)
2. Typha latifolia	20	~		
				¹ Indicators of hydric soil and wetland hydrology must
4				be present, unless disturbed or problematic.
5				Definitions of Vegetation Strata:
o				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
/				at breast height (DBH), regardless of height.
8				Sapling/shrub – Woody plants less than 3 in. DBH
9				
				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
11				Woody vines – All woody vines greater than 3.28 ft in
12	60%			height.
Wester (as Oraclass (District) 30 ft r	00%	= Total Co	ver	
Woody Vine Stratum (Plot size: <u>30 RT</u>)				
1				
2				
3				Hydrophytic Vegetation
4				Present? Yes <u>V</u> No
Pemarke: (Include photo numbers here or on a separate	sheet)	= Total Co	ver	
	Silect.)			

SOIL

Profile Desc	ription: (Describe	to the de	oth needed to docu	ment the	indicator	or confirm	m the absence of indicators.)	
Depth	Matrix		Redo	x Feature	S	0	_	
(inches)	Color (moist)	%	Color (moist)	%	Type'	Loc ²	Texture Remarks	
0 - 4	10YR 2/1	100					Loam	
4 - 14	10YR 4/2	80	5YR 5/6	20	С	PL	Sandy loam	
			-					
-								
-								
		. <u> </u>						
-								
		<u></u>			·			
-								
-								
¹ Type: C=Co	oncentration, D=Dep	letion, RM	I=Reduced Matrix, M	S=Maske	d Sand Gr	ains.	² Location: PL=Pore Lining, M=Matrix.	
Hydric Soil	Indicators:						Indicators for Problematic Hydric Soils ³ :	
Histosol	(A1)		Polyvalue Belo	w Surface	e (S8) (LR I	R R,	2 cm Muck (A10) (LRR K, L, MLRA 149	3)
Histic Ep	pipedon (A2)		MLRA 149B)			Coast Prairie Redox (A16) (LRR K, L, R)	
Black Hi	stic (A3)		Thin Dark Surfa	ace (S9) (I		LRA 149B	B) 5 cm Mucky Peat or Peat (S3) (LRR K, L	., R)
Hydroge	en Sulfide (A4)			Vilneral (F	1) (LRR N	., L)	Dark Surface (S7) (LRR K, L)	`
	d Below Dark Surfac	o (A11)	Loanny Gieyeu	wanx (F2 √ (F3)	<u>(</u>)		Thin Dark Surface (S0) (LRR R, L)
Depleted	ark Surface (A12)	e (ATT)	Redox Dark Su	v (i 3) irface (F6)			Iron-Manganese Masses (F12) (I RR K	R)
Sandy M	luckv Mineral (S1)		Depleted Dark	Surface (I	- 7)		Piedmont Floodplain Soils (F19) (MLRA	149B)
Sandy G	Bleyed Matrix (S4)		Redox Depress	sions (F8)	- /		Mesic Spodic (TA6) (MLRA 144A, 145, 1	49B)
Sandy R	Redox (S5)			~ /			Red Parent Material (F21)	,
Stripped	Matrix (S6)						Very Shallow Dark Surface (TF12)	
Dark Su	rface (S7) (LRR R, M	/ILRA 149	B)				Other (Explain in Remarks)	
3 maliantena al	f h	tion on due					d en much le metic	
Restrictive I	aver (if observed):	tion and w	etiand hydrology mus	st be pres	ent, unies	s disturbed	d or problematic.	
Type	Layer (il observeu).							
Denth (in							Hydric Soil Present? Yes 🖌 No	
Depth (Ind	cnes).							
Remarks:								

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Line 1580: 2020	City/County: Oxford	S:	ampling Date: 2020-09-25
Applicant/Owner: Eversource		State: Connecticut	Sampling Point: 1409 1B 1 JSC
Investigator(s): SME, JSC	Section, Township, Range:		
Landform (hillslope, terrace, etc.): Depression	cal relief (concave, convex, r	none): Concave	Slope (%): 0-3
Subregion (LRR or MLRA): R 144A Lat: 41.406890) Long: <u>-7</u>	73.1596589	Datum: NAD 83
Soil Map Unit Name: 13 Walpole sandy loam		NWI classificati	on: PSS
Are climatic / hydrologic conditions on the site typical for this time of ye	ear?YesNo 🖌	_ (If no, explain in Rem	narks.)
Are Vegetation, Soil, or Hydrology significantly	v disturbed? Are "Norm	nal Circumstances" pres	sent? Yes No 🖌
Are Vegetation, Soil, or Hydrology naturally pr	oblematic? (If needed	l, explain any answers i	in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing	sampling point locat	ions, transects, i	mportant features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes 🖌 Yes 🖌 Yes 🖌	No No No	Is the Sampled Area within a Wetland? Yes <u>✓</u> No If yes, optional Wetland Site ID: 1409 1B
Remarks: (Explain alternative procedu	res here or in a	separate report.)	
Drought			

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
	✓ Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) ✓ Saturation Vis ble on Aerial Imagery (C9) Stunted or Stressed Plants (D1) oils (C6) Geomorphic Position (D2) Shallow Aquitard (D3) ✓ Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	► FAC-Neutral Test (D5)
Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches):	
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec	Wetland Hydrology Present? Yes No ctions), if available:

Sampling Point: 1409 1B 1 JSC

<u>Tree Stratum</u> (Plot size: <u>30 ft r</u>) 1.	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 5
2 3				Total Number of Dominant Species Across All Strata: <u>5</u> (B)
4 5				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.00</u> (A/B)
6 7				Prevalence Index worksheet: Total % Cover of:Multiply by:
Sapling/Shrub Stratum (Plot size: 15 ft r)	0	= Total Co	ver	OBL species 30 $x 1 = 30$ FACW species 50 $x 2 = 100$
Alnus incana	20	~	FACW	FAC species $0 x 3 = 0$
 Lindera benzoin 	20	~	FACW	FACU species 0 $x 4 = 0$
3 Toxicodendron vernix	10	~	OBL	UPL species $\frac{0}{80}$ x 5 = $\frac{0}{120}$
4				Column Totals: 80 (A) 130 (B)
5.				Prevalence Index = $B/A = 1.63$
6.				Hydrophytic Vegetation Indicators:
7.				✓ 1 - Rapid Test for Hydrophytic Vegetation
	50	= Total Co	ver	✓ 2 - Dominance Test is >50%
Herb Stratum (Plot size: 5 ft r)		- 10101 00		\checkmark 3 - Prevalence Index is ≤3.0 ¹
1 Persicaria sagittata	20	~	OBL	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
 2 Spiraea tomentosa 	10	~	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
3				
4				¹ Indicators of hydric soil and wetland hydrology must
5			OBL	
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
8				a breast height (DBH), regardless of height.
g				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
10				Horb All horbaccours (non woody) plants, regardless
11				of size, and woody plants less than 3.28 ft tall.
12				Woody vines – All woody vines greater than 3.28 ft in
12.	30	– Total Co		height.
Weady Vine Stratum (Plat aize: 30 ft r			vei	
1				
2				
3				Hydrophytic Vegetation
4				Present? Yes <u>V</u> No
	0	= Total Co	ver	
Remarks: (Include photo numbers here or on a separate	sheet.)			

SOIL

Profile Desc	ription: (Describe	to the dep	oth needed to docur	ment the i	indicator	or confirm	n the absence of indicators.)	
Depth	Matrix		Redo	x Feature	S1	. 2		
(inches)	Color (moist)	%	Color (moist)	%	Туре	Loc	Texture Remarks	—
0 - 12	10YR 2/1	100					Silt Loam	
12 - 18	10YR 6/1	85	10YR 5/8	15	С	М	Silt Loam	
-								
		·						
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		·			<u> </u>			
-		·			- <u> </u>			
Type: C=Co	oncentration, D=Dep	letion, RM	=Reduced Matrix, MS	S=Masked	d Sand Gr	ains.	² Location: PL=Pore Lining, M=Matrix.	
				w Surfaca			2 cm Muck (A10) (I PP K I MI PA 140P)	
Histic Er	pipedon (A2)		MLRA 149B)	(30) (L KI	、 Γ,	Coast Prairie Redox (A16) (LRR K. L. R)	
Black Hi	stic (A3)		Thin Dark Surfa	ace (S9) (I	LRR R, M	LRA 149B)	b) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R	2)
Hydroge	n Sulfide (A4)		Loamy Mucky M	Mineral (F	1) (LRR K	(, L)	Dark Surface (S7) (LRR K, L)	
Stratified	d Layers (A5)	- ()]]	Loamy Gleyed	Matrix (F2	2)		Polyvalue Below Surface (S8) (LRR K, L)	
Thick Da	ark Surface (A12)	e (ATT)	Depleted Math	(F3) Inface (F6)			Iron-Manganese Masses (F12) (LRR K, L)	R)
Sandy M	fucky Mineral (S1)		Depleted Dark	Surface (F	=7)		Piedmont Floodplain Soils (F19) (MLRA 149	-, ЭВ)
Sandy G	Bleyed Matrix (S4)		Redox Depress	sions (F8)			Mesic Spodic (TA6) (MLRA 144A, 145, 149	B)
Sandy R	edox (S5)						Red Parent Material (F21)	
Stripped	Matrix (S6)		,				Very Shallow Dark Surface (TF12)	
Dark Su	frace (S7) (LRR R, N	/ILRA 1491	3)				Other (Explain in Remarks)	
³ Indicators of	f hydrophytic vegetat	tion and we	etland hydrology mus	st be prese	ent, unles:	s disturbed	d or problematic.	
Restrictive I	Layer (if observed):			· ·				
Туре:								
Depth (inc	ches):						Hydric Soil Present? Yes 🖌 No	
Remarks:								

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Line 1580: 2020	City/County: Oxford	S	Sampling Date: 2020-09-25
Applicant/Owner: Eversource		State: Connecticut	Sampling Point: 1406 1B 4 JSC
Investigator(s): SME, JSC	_ Section, Township, Range:		
Landform (hillslope, terrace, etc.): Depression	ocal relief (concave, convex, no	ne): Concave	Slope (%): 10
Subregion (LRR or MLRA): R 144A Lat: 41.400268	6Long:73	3.1624881	Datum: NAD 83
Soil Map Unit Name: 45B Woodbridge fine sandy loam		NWI classificat	ion: PEM
Are climatic / hydrologic conditions on the site typical for this time of y	vear? Yes No	(If no, explain in Ren	narks.)
Are Vegetation, Soil, or Hydrology significantl	y disturbed? Are "Norma	Il Circumstances" pre	sent? Yes No _
Are Vegetation, Soil, or Hydrology naturally p	roblematic? (If needed,	explain any answers	in Remarks.)
SUMMARY OF FINDINGS – Attach site map showin	g sampling point locatio	ons, transects, i	mportant features, etc.
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No	Is the Sampled Area within a Wetland?	Yes∕ d Site ID: 1406 1B	No

Remarks: (Explain alternative procedures here or in a separate report.)

Drought

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

Sampling Point: 1406 1B 4 JSC

Tree Streture (Plateire: 30 ft r	Absolute	Dominant	Indicator	Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size: <u>30 rt i</u>)	% Cover	<u>Species</u> ?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: <u>3</u> (A)
2				Total Number of Dominant
3				Species Across All Strata: (B)
4				Percent of Dominant Species
5				
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
	0	= Total Cov	/er	OBL species $\frac{45}{22}$ x 1 = $\frac{45}{102}$
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species $\frac{60}{2}$ $x = \frac{120}{2}$
1. Ilex verticillata	40	 ✓ 	FACW	FAC species $\frac{0}{0}$ $x_3 = \frac{0}{0}$
2. Cornus amomum	10	~	FACW	FACU species 0 $x 4 = 0$
3				UPL species $\underbrace{0}$ $x_5 = \underbrace{0}$
4				
5.				Prevalence Index = $B/A = 1.57$
6				Hvdrophytic Vegetation Indicators:
7		·		✓ 1 - Rapid Test for Hydrophytic Vegetation
· ·	50	- Total Cov		2 - Dominance Test is >50%
Line Otratium (Distaire, 5 ft r)		= 10(a) 000	/ei	\checkmark 3 - Prevalence Index is ≤3.0 ¹
Herb Stratum (Plot size:)	40			4 - Morphological Adaptations ¹ (Provide supporting
1. <u>Persidana sayittata</u>	10			Data In Remarks of on a separate sneet)
2. Phragmites australis	<u> </u>		FACW	
3. Cyperus odoratus	5		ORL	¹ Indicators of hydric soil and wetland hydrology must
4				be present, unless disturbed or problematic.
5			,	Definitions of Vegetation Strata:
6				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
7				at breast height (DBH), regardless of height.
8				Sapling/shrub – Woody plants less than 3 in. DBH
9				and greater than or equal to 3.28 ft (1 m) tall.
10				Herb – All herbaceous (non-woody) plants, regardless
11				of size, and woody plants less than 3.28 ft tall.
12				Woody vines – All woody vines greater than 3.28 ft in
	55	= Total Cov	/er	height.
Woody Vine Stratum (Plot size: 30 ft r)				
1				
··				
2				
3				Hydrophytic Vegetation
4				Present? Yes <u>V</u> No
Demorto: (Include shote numbers here or on a senarate	U choot)	= Total Cov	/er	
Remarks. (include photo numbers here of on a separate	sneet.)			

OUL

Profile Desc	ription: (Describe	to the dep	oth needed to docun	nent the	indicator	or confirm	the absence	of indicators.)
Depth <u>Matrix</u>			Redox Features			0		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 12	10YR 2/1	90	10YR 4/6	5	С	PL	Silt Loam	
0 - 12			7.5YR 6/2	5	D	Μ	Silt Loam	
12 - 18	10YR 5/2	80	7.5YR 4/6	20	С	PL	Sandy Loam	Course
-								
-				·	·			
-				·	·			
-								
-								
-								
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix.								: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators:								
Histosol (A1) Polyvalue Below Surface (S8) (LRR R,						 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Dark Surface (S7) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) 		
HISTIC Epipedon (A2) MLKA 149B) Block Histic (A2) This Dark Surface (S0) (LBB B, ML BA 440B)								
Black HISTIC (A3) I ININ Dark Sufface (S9) (LKK R, MLRA 149B)								
Event Summer (A4) Loamy Mucky Mineral (F1) (LKK K, L)								
Currineu Layers (A3) Lodriny Greyed Matrix (F2) Depleted Below Dark Surface (A11) Depleted Matrix (F2)								
 Depleted Below Dark Surface (A12) Pepleted Wath (13) Pepleted Wath (13) Pepleted Wath (13) 								
Thick Dark Surface (A12) Redux Dark Surface (F6) Sandy Mucky Minoral (S1) Depleted Dark Surface (F7)								
Sandy Mucky Milleral (ST) Depieted Dark Surface (TT)						Pleamont Floodplain Solis (F19) (MLRA 149B)		
Sandy Bedex (S5)							Mesic Spoald (TA6) (MLRA 144A, 145, 149B)	
Sandy Redox (SS)						Red Parent Material (F21)		
Dark Surface (S7) (I RR R. MI RA 149B)						Very Snallow Dark Surface (TF12) Other (Explain in Remarks)		
³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.								
Type:								
Depth (inches):						Hydric Soil	Present? Yes 🖌 No	
Remarks:								
W21

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site Line 1580: 2020	City/County [.] Oxford Sampling Date [.] 2020-09-28
Applicant/Owper: Eversource	State: Connecticut Sampling Point: 1403 1B JSC
Investigator(a): JSC. RKV	Section Township Pango:
	Section, Township, Range
Landform (nillslope, terrace, etc.): <u>Inilisiope</u>	_ Local relier (concave, convex, none): <u></u> Slope (%): <u></u> Slope (%): <u></u>
Subregion (LRR or MLRA): R 144A Lat: 41.334	7/54 Long: -/53.103/112 Datum: NAD 65
Soil Map Unit Name: 60C Canton and Charton The sand	NWI classification: PEM
Are climatic / hydrologic conditions on the site typical for this time	e of year? Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology signifi	cantly disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology natura	ally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map sho	wing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes V Hydric Soil Present? Yes V Wetland Hydrology Present? Yes V Remarks: (Explain alternative procedures here or in a separate	Is the Sampled Area within a Wetland? Yes _ ✓ _ No If yes, optional Wetland Site ID:
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that a	upply) <u> </u>
Surface Water (A1) Water-St	ained Leaves (B9) V Drainage Patterns (B10)
High Water Table (A2) Aquatic F	auna (B13) Moss Trim Lines (B16)
Saturation (A3) Marl Dep	osits (B15) Dry-Season Water Table (C2)
Water Marks (B1) Hydroger	Sulfide Odor (C1) Crayfish Burrows (C8) Phizospheres on Living Roots (C2) // Saturation Visible on Aerial Imagony (C0)
Drift Deposits (B3)	of Reduced Iron (C4) Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4) Recent Ir	on Reduction in Tilled Soils (C6)
Iron Deposits (B5)	k Surface (C7) Shallow Aquitard (D3)
✓ Inundation Visible on Aerial Imagery (B7) Other (E)	xplain in Remarks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	✓ FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (i	nches):
Water Table Present? Yes No V Depth (i	nches):
Saturation Present? Yes <u>V</u> No Depth (ii (includes capillary fringe)	nches): 0 Wetland Hydrology Present? Yes V No
Describe Recorded Data (stream gauge, monitoring well, aerial	photos, previous inspections), if available:
Remarks:	
Cobblely hillslope	

Sampling Point: 1403 1B JSC

Tree Stratum (Plot size: <u>30 ft r</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species
1				That Are OBL, FACW, or FAC: <u>6</u> (A)
2				Total Number of Dominant
3				
4				That Are OBL, FACW, or FAC: 100.00 (A/B)
7				Prevalence Index worksheet:
··	0	– Total Cov		OBL species 35 x1 = 35
Sanling/Shruh Stratum (Plot size: 15 ft r)	<u> </u>	- 10(a) 000		FACW species 70 $x_2 = 140$
Alnus incana	10	~	FACW	FAC species $10 \times 3 = 30$
2 Cornus amomum	10	~	FACW	FACU species <u>0</u> x 4 = <u>0</u>
3 Salix nigra	5	~	OBL	UPL species $\frac{0}{115}$ x 5 = $\frac{0}{205}$
3. <u></u> 3.				Column Totals: <u>115</u> (A) <u>205</u> (B)
т 5				Prevalence Index = $B/A = 1.78$
				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
··	25	– Total Cov		✓ 2 - Dominance Test is >50%
Horb Stratum (Plot size: 5 ft r)				\checkmark 3 - Prevalence Index is ≤3.0 ¹
1 Impatiens capensis	50	~	FACW	4 - Morphological Adaptations ¹ (Provide supporting
2 Persicaria arifolia	30			Problematic Hvdrophytic Vegetation ¹ (Explain)
3				
4				¹ Indicators of hydric soil and wetland hydrology must
5				Definitions of Verstation Strates
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
8				
9				and greater than or equal to 3.28 ft (1 m) tall.
10.				Herb - All herbaceous (non-woody) plants regardless
11.				of size, and woody plants less than 3.28 ft tall.
12.				Woody vines – All woody vines greater than 3.28 ft in
	80	= Total Cov	/er	height.
Woody Vine Stratum (Plot size: 30 ft r)				
1. Vitis riparia	10	~	FAC	
2				
3				Hydrophytic
4.				Vegetation
	10	= Total Cov	/er	Present? Yes <u>No</u>
Remarks: (Include photo numbers here or on a separate	sheet.)			

SOIL

Profile Desc	ription: (Describ	e to the de	pth needed to docu	ment the	indicato	r or confirm	n the absence	of indicators.)	
Depth	Matrix		Redox Features				-		
(inches)		<u> </u>		<u>%</u> 5			<u>Silt Loam</u>	Remarks	
	1018 2/1	<u>33</u>	7.5TK 5/4						
<u> </u>	1018 5/2			25			Sandy Loam	Coarse sandy loam	
6 - 9			7.5YR 4/6	20	C			Refusal at 9 inches rock	
-			·						
-									
-									
-									
-									
-									
-									
-									
			– A–Reduced Matrix M		d Sand G	Grains		· PI -Pore Lining M-Matrix	
Hydric Soil	Indicators:			10-Maske			Indicators	for Problematic Hydric Soils ³ :	
<u> </u>	(A1)		Polyvalue Belo	ow Surface	e (S8) (Ll	RR R,	2 cm N	/luck (A10) (LRR K, L, MLRA 149B)	
Histic Ep	oipedon (A2)		MLRA 149E	3)			Coast	Prairie Redox (A16) (LRR K, L, R)	
Hydroge	n Sulfide (A4)		Loamy Mucky	Mineral (F	⁻ 1) (LRR	K, L)) Dark S	Surface (S7) (LRR K, L)	
Stratified	d Layers (A5)		Loamy Gleyed	Matrix (F	2)		Polyva	lue Below Surface (S8) (LRR K, L)	
Depleted	d Below Dark Surfa	ice (A11)	Depleted Matri	ix (F3) urfaco (E6)		Thin D	ark Surface (S9) (LRR K, L)	
Sandy M	lucky Mineral (S1)		Depleted Dark	Surface (F0) F7)		Piedm	ont Floodplain Soils (F12) (LRR R, L, R)	
Sandy G	eleyed Matrix (S4)		Redox Depres	sions (F8)	,		Mesic	Spodic (TA6) (MLRA 144A, 145, 149B)	
Sandy R	edox (S5)						Red P	arent Material (F21)	
Stripped	Matrix (S6)						Very Shallow Dark Surface (TF12) Other (Explain in Remarks)		
Daik Su		WILKA 143	(0)						
³ Indicators of	f hydrophytic veget	ation and w	vetland hydrology mu	ist be pres	sent, unle	ss disturbed	or problemation	2.	
Type:	Layer (if observed):							
Depth (inc	ches):						Hydric Soil	Present? Yes 🖌 No	
Remarks:									

W21-1

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: 1	1580 Line Rebuild	City/County: Oxford	Samp	oling Date: 3/18/2	2024
Applicant/Owne	er: Eversource		State:CT	Sampling Point:	1401
Investigator(s):	R. Canavan	Section, Township, Range:			
Landform (hillsi	.de, terrace, etc.): hillside I	Local relief (concave, convex, none):	concave	Slope (%):	: 5
Subregion (LRF	R or MLRA): LRR R, MLRA 144A Lat: 41.392156	Long: -73.1666	548	Datum: NA	D 83
Soil Map Unit N	lame: 60C Canton and Charlton fine sandy loams		NWI classification:	PFO	
Are climatic / hy	ydrologic conditions on the site typical for this time of y	/ear? Yes X No (If	no, explain in Rem	ıarks.)	
Are Vegetation	X_, Soil, or Hydrologysignifican	tly disturbed? Are "Normal Circum	stances" present?	Yes N	No_X_
Are Vegetation	, Soil, or Hydrologynaturally	problematic? (If needed, explain a	any answers in Rem	narks.)	
SUMMARY	OF FINDINGS – Attach site map showing	sampling point locations, tr	ansects, impo	rtant features	, etc.
Hydrophytic V	egetation Present? Ves X No	Is the Sampled Area			

Hydrophytic Vegetation Present?	Yes X	No	Is the Sampled Area
Hydric Soil Present?	Yes X	No	within a Wetland? Yes X No
Wetland Hydrology Present?	Yes X	No	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedu Portions of wetland are in ROW where vegetation management.	res here or in a vegetation is r	a separate report.) nanaged to remove	ed trees. The ROW limits extend into forested areas beyond the limit of

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)X Water-Stained Leaves (B9)	Drainage Patterns (B10)
X High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2) x Oxidized Rhizospheres on Livir	ng Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduced Iron (C4)) Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled	Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No x Depth (inches):	
Water Table Present? Yes X No Depth (inches): 8	
Saturation Present? Yes X No Depth (inches): 1	Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous insp	ections), if available:
Remarks:	
some surface water flow areas of the forested wetland	

Sampling Point: 1401

	Absolute	Dominant	Indicator			
<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)	% Cover	Species?	Status	Dominance Test worksheet:		
1. Acer rubrum	85	Yes	FAC	Number of Dominant Species		
2. Liriodendron tulipifera	15	No	FACU	That Are OBL, FACW, or FAC:(A)		
3.				Total Number of Dominant		
4.				Species Across All Strata: 3 (B)		
5.						
6				Percent of Dominant Species		
7				Prevalence Index worksheet:		
/						
	100	= I otal Cover				
Sapling/Shrub Stratum (Plot size: 15 ft)				OBL species $0 \times 1 = 0$		
1. Rosa multiflora	10	Yes	FACU	FACW species 0 x 2 = 0		
2. Rubus phoenicolasius	5	Yes	FACU	FAC species 85 x 3 = 255		
3				FACU species X 4 =20		
4.				UPL species 0 x 5 = 0		
5.				Column Totals: 115 (A) 375 (B)		
6				$\frac{1}{2}$ Prevalence Index = B/A = 3.26		
7				Hydrophytic Vegetation Indicators:		
···	15	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
Horb Stratum (Plot size: 5)				2. Dominanco Tost is >50%		
l				$\frac{3}{1000} = \frac{3}{1000} = \frac{3}{100000000000000000000000000000000000$		
2				4 - Morphological Adaptations (Provide supporting		
3						
4				x Problematic Hydrophytic Vegetation ¹ (Explain)		
5				¹ Indicators of hydric soil and wetland hydrology must		
6				be present, unless disturbed or problematic.		
7				Definitions of Vegetation Strata:		
8				Tree – Woody plants 3 in (7.6 cm) or more in diameter		
9.				at breast height (DBH), regardless of height.		
10.				Continue Mandautations than the DDU		
11.				and greater than or equal to 3.28 ft (1 m) tall.		
12						
		-Total Covor		Herb – All herbaceous (non-woody) plants, regardless		
				of size, and woody plants less than 3.26 it tail.		
Woody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in		
1				height.		
2				Hydrophytic		
3				Vegetation		
4				Present? Yes X No		
		=Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.)						

Plot data collected in forested area outside of mangaged ROW. No herbaceous plants present at time of year of observation. Presence of invasive shrubs result in a non-hydrophtic vegetation result using the dominance and prevalence tests. Hydrophytic vegetation is assumed based on the presence of hydrology, soils, and presence of Cornus sericea (FACW) as a dominant species in the managed areas of the ROW.

Profile De	Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth	Matrix		Redo	x Feature	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks
0-6	10YR 2/1	100	10YR 5/6	1	C	PL	Sandy		fine sandy loam
6-16	10YR 3/2	70	10YR 4/6	25	С	M	Sandy	Promi	nent redox concentrations
			10YR 6/2	5	D	M			
¹ Type: C=			M=Reduced Matrix. C	 S=Cover	ed or Co	ated Sand	Grains. ² Lo	ocation: PL:	=Pore Lining, M=Matrix.
Hydric Sc	oil Indicators:	,,					Indicators f	or Problem	atic Hydric Soils ³ :
Histos	sol (A1)		Polyvalue Below	/ Surface	(S8) (LR	RR.	2 cm M	uck (A10) (L	.RR K, L, MLRA 149B)
Histic	Epipedon (A2)				(-/(,	Coast F	Prairie Redox	x (A16) (LRR K. L. R)
Black	Histic (A3)		Thin Dark Surfa	na (SQ) (I			B) 5 cm M	ucky Peat of	r Deat (S3) (I PP K I P)
	ristic (A3)					1LNA 143		ucky Feat O	$\frac{1}{2} = \frac{1}{2} \left(\frac{1}{2} \right) \left(\frac{1}{2} + \frac{1}{2} \right)$
— Hyard	gen Sulfide (A4)			ands (ST	1) (LRR I	(, L)	Polyval	ue Below Su	Inace (58) (LRR K, L)
Strati	fied Layers (A5)		Loamy Mucky M	lineral (F	1) (LRR I	K , L)	Thin Da	ark Surface ((S9) (LRR K, L)
Deple	eted Below Dark Surfac	ce (A11)	Loamy Gleyed N	/latrix (F2	2)		Iron-Manganese Masses (F12) (LRR K, L, R)		
Thick	Dark Surface (A12)		Depleted Matrix			Piedmont Floodplain Soils (F19) (MLRA 149B)			
Sand	v Muckv Mineral (S1)		Redox Dark Sur			Mesic Spodic (TA6) (MLRA 144A, 145, 149B)			
Sandy	v Gleved Matrix (S4)		 Depleted Dark S	=7)		Red Parent Material (F21)			
V Sand	y Podox (S5)		Bodox Doprossi	')		Very Shallow Dark Surface (TE12)			
	y Redux (33)					Other (Explain in Remarks)			
Stripp									
Dark	Surface (S7)								
³ Indicators	s of hydrophytic vegeta	ition and	wetland hydrology mu	st be pre	sent, unl	ess disturl	bed or problemati	с.	
Restrictiv	e Layer (if observed)	:							
Type:									
Depth (i	inches):						Hydric Soil P	resent?	Yes_X_ No
Remarks:									
This data	form is revised from N	orthcentr	al and Northeast Regi	onal Sup	plement `	Version 2.	0 to reflect the NF	RCS Field In	idicators of Hydric Soils
version 7.	0 March 2013 Errata. (http://ww	w.nrcs.usda.gov/Interr	net/FSE_	DOCUM	ENTS/nrc	s142p2_051293.c	locx)	

W22-1

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: 1580 Line Rebuild	City/County: Oxford	Sampling Date: 3/18/2024						
Applicant/Owner: Eversource	State:	CT Sampling Point: 1400						
Investigator(s): R. Canavan Section, Township, Range:								
Landform (hillside, terrace, etc.): terrace Local relief (concave, convex, none): concave Slope (%):								
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 41.387983 Long: -73.168515 Datum: NAD 83								
Soil Map Unit Name: <u>38C Hinkley loamy sand</u>	Soil Map Unit Name: 38C Hinkley loamy sand NWI classification: PFO							
Are climatic / hydrologic conditions on the site typical for th	nis time of year? Yes X No (If no, explain	ı in Remarks.)						
Are Vegetation, Soil, or Hydrology	_significantly disturbed? Are "Normal Circumstances" pr	resent? Yes X No						
Are Vegetation, Soil, or Hydrology	_naturally problematic? (If needed, explain any answers	s in Remarks.)						
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.								
Hydrophytic Vegetation Present? Yes X	No Is the Sampled Area							
Hydric Soil Present? Yes X	No within a Wetland? Yes X	No						
Wetland Hydrology Present? Yes X	No If yes, optional Wetland Site ID:							
Remarks: (Explain alternative procedures here or in a se This wetland area is with an unmanaged portion of an elec Adjacent areas also have evidence of past sand and grav	parate report.) ctric transmission ROW. Areas adjacent to this wetland hav rel removal or other disturbance.	re vegetation management.						

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
X Surface Water (A1) x Water-Stained Leaves (B9)	Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) X Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizospheres on Living	g Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled S	Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)	Microtopographic Relief (D4)
X Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes X No Depth (inches): 2	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspe	ctions), if available:
Remarks:	
Based on recent rains the wetland was overflowing to an adjacent upland area	

Sampling Point: 1400

Tree Stratum (Plot size: 30 ft)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Acer rubrum	70	Yes	FAC	Number of Dominant Species
2.				That Are OBL, FACW, or FAC: 2 (A)
3.				Tatal Number of Deminent
4.				Species Across All Strata: 2 (B)
5		·		(-)
6				Percent of Dominant Species
7				Prevelence Index werkeheet:
1		-Tatal Cause		
	70	. = I otal Cover		
Sapling/Shrub Stratum (Plot size: 15 ft)				OBL species x1 =
1. Lindera benzoin	5	Yes	FACW	FACW species <u>5</u> x 2 = <u>10</u>
2				FAC species70 x 3 =210
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: 75 (A) 220 (B)
6				Prevalence Index = B/A = 2.93
7.				Hydrophytic Vegetation Indicators:
	5	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)		•		X 2 - Dominance Test is >50%
,				X_3 - Prevalence Index is <3.0 ¹
2		·		$\frac{1}{4}$ - Morphological Adaptations ¹ (Provide supporting
2		·		data in Remarks or on a separate sheet)
3		·		
4.		·		<u> </u>
5				¹ Indicators of hydric soil and wetland hydrology must
6		. <u> </u>		be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
9				at breast height (DBH), regardless of height.
10				Sanling/shruh – Woody plants less than 3 in DBH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12.				
		=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size)		•		
1				Woody vines – All woody vines greater than 3.28 ft in height
·				nogn.
2		·		Hydrophytic
3				Vegetation
4		·		Present? Yes <u>X</u> No
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			
Plot area reduced to lit wetland area.				

Sampling Point:

Profile D	escription: (Descrif	be to the d	epth needed to docu	ment the	e indicato	or or con	firm the absence of inc	dicators.)	
Depth	Depth Matrix Redox Features								
(inches)	Color (moist)	%	Color (moist)		Type ¹	Loc ²	Texture	Remarks	
0-4	10YR 2/1	100					Mucky Sand		
4-10	10YR 6/2	10	10YR 4/6	10	С	М	Sandy	sulfide	
							·		
'Type: C	=Concentration, D=D	epletion, R	M=Reduced Matrix, C	S=Cover	ed or Coa	ted Sand	Grains. Location	n: PL=Pore Lining, M=Matrix.	
Hydric So	oil Indicators:		Daluarahan Dalam	. Cumfere			Indicators for Pro	ADV (LED K L. ML DA 440D)	
Histo	SOI (A1)		Polyvalue Below	/ Surface	(S8) (LR	RR,	2 cm Muck (A	10) (LRR K, L, MLRA 149B)	
	c Epipedon (A2)							Redox (A16) (LRR K, L, R)	
	(HISUC (A3)		Ligh Chrome Sanda (S11) (LRR R, MLRA 1496				B) 5 CM MUCKY P	real of Peal (S3) (LRR K, L, R)	
	bgen Suilide (A4)			ands (ST		Α, L)	Polyvalue Bei		
Strat	illed Layers (A5)	(111)		Ineral (F	1) (LRR r	Λ, L)		Tace (59) (LRR N, L)	
	eled Below Dark Suri	ace (ATT)	Loamy Gleyed Matrix (F2)					se Masses (F12) (LRR R, L, R) $($	
	Musky Mineral (S1)	\	Depieted Matrix	(F3) face (F6)					
	ly Mucky Mineral (ST)	Redox Dark Sur	lace (F6)			Mesic Spoalc (TA6) (MLRA 144A, 145, 149B) Red Parent Material (E21)		
Sand	ly Gleyed Matrix (54)		Depieted Dark S	one (F9)	-7)		Very Shallow Dark Surface (TE12)		
Sano	ly Redux (SS)		Mart (E10) (LBB K L)				Other (Explain in Remarks)		
Strip			Man (F10) (LRR K, L)					i in Remarks)	
	Sunace (S7)								
³ Indicator	s of hydrophytic yeae	tation and	wetland hydrology mu	st be pre	sent unle	ess distur	bed or problematic		
Restrictiv	ve Laver (if observe	d):	weitand nydrology ma						
Type: s	stony								
Depth (inches):	10					Hvdric Soil Present	? Yes X No	
Bomarka									
This data	form is revised from	Northcentr	al and Northeast Regi	onal Sup	plement \	/ersion 2.	0 to reflect the NRCS Fi	ield Indicators of Hvdric Soils	
version 7.	0 March 2013 Errata	. (http://ww	w.nrcs.usda.gov/Interi	net/FSE_		ENTS/nrcs	s142p2_051293.docx)	,	

W22

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

City/County: Oxford Sampling Date: 2020-09-28
State: <u>Connecticut</u> Sampling Point: <u>1399 1A JSC</u>
Section, Township, Range:
cal relief (concave, convex, none): Undulating Slope (%): 0
B Long: -73.1692415 Datum: NAD 83
NWI classification: PEM
ear? Yes No (If no, explain in Remarks.)
v disturbed? Are "Normal Circumstances" present? Yes No
oblematic? (If needed, explain any answers in Remarks.)
g sampling point locations, transects, important features, etc.
Is the Sampled Area within a Wetland? Yes <u>V</u> No
If yes, optional Wetland Site ID: 1399 1A
rt.)

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

Sampling Point: 1399 1A JSC

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominan	t Indicator Status	Dominance Test worksheet:
1.	<u> /// 00/01</u>	000000		Number of Dominant Species That Are OBL EACW or EAC: 2 (A)
2.				
3.				Species Across All Strata: 2 (B)
4.				Percent of Dominant Species
5.				That Are OBL, FACW, or FAC: <u>100</u> (A/B)
6.				Provedore a la decenaria ha de
7				Prevalence Index worksheet:
··		– Total Co	ver	$\begin{array}{c c} \hline 10tal \% Cover 01. \\ \hline 00t species 60 \\ \hline 1 - 60 \\ \hline \end{array}$
Sopling/Shrub Stratum (Plot size: 15 ft r)		- 10(a) 00		FACW species 0 $x_2 = 0$
A Carex typhina	25	~	OBL	FAC species 0 $x_3 = 0$
				FACU species 0 x 4 = 0
2			.	UPL species $0 x 5 = 0$
3			·	Column Totals: <u>60</u> (A) <u>60</u> (B)
4				Prevalence Index - B/A - 1.0
5			<u> </u>	
6			·	Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
	25%	= Total Co	ver	\checkmark 2 - Dominance Lest is >50%
Herb Stratum (Plot size: 5 ft r)				4 - Morphological Adaptations ¹ (Provide supporting
_{1.} Carex lurida	35	~	OBL	data in Remarks or on a separate sheet)
2				Problematic Hydrophytic Vegetation ¹ (Explain)
3			<u> </u>	The direction of the data and the data data by the second
4				be present, unless disturbed or problematic.
5				Definitions of Vegetation Strata
6				
7.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
8.				Sanling/abruh Weady plants loss than 3 in DPH
9.				and greater than or equal to 3.28 ft (1 m) tall.
10.				Herb – All herbaceous (non-woody) plants, regardless
11.				of size, and woody plants less than 3.28 ft tall.
12				Woody vines – All woody vines greater than 3.28 ft in
12	35%	– Total Co	ver	height.
Weady Vina Stratum (Plat size: 30 ft r)		- 10(a) 00		
(The stratum (The size)				
1				
2			<u> </u>	
3			- <u> </u>	Hydrophytic Vegetation
4			<u> </u>	Present? Yes <u>V</u> No
		= Total Co	ver	
Remarks: (Include photo numbers here or on a separate	sheet.)			
Dirt bike area %55				

SOIL

Profile Desc	ription: (Describe	to the dep	oth needed to docum	nent the i	ndicator	or confirm	the absence	of indicators.)	
Depth	Matrix		Redox	Feature	s			-	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0 - 3	10YR 4/3	85	7.5YR 4/6	15	С	М	Sandy loam		
3 - 8	10YR 5/2	55	7.5YR 5/6	45	С	М	Loamy sand		
8 - 14	2.5Y 5/2	80	7.5YR 4/6	20	С	М	Sandy loam	Fine sandy loam	
-					. <u> </u>				
-		·							
-									
-					. <u> </u>				
					. <u> </u>				
-									
-		·							
-		·							
¹ Type: C=Co	oncentration, D=Dep	letion, RM	=Reduced Matrix, MS	=Masked	Sand Gr	ains.	² Location	: PL=Pore Lining, M=Matrix.	
Hydric Soil I	ndicators:						Indicators	for Problematic Hydric Soils":	
Histosol	(A1)		Polyvalue Below	/ Surface	(S8) (LR	R R,	2 cm N	Auck (A10) (LRR K, L, MLRA 149B)	
Histic Ep	pipedon (A2)		MLRA 149B)	(00) (Coast Prairie Redox (A16) (LRR K, L, R)		
Black Hi	stic (A3)		Thin Dark Surface	ce (S9) (I		LRA 149B) / T \) 5 cm N	Aucky Peat of Peat (S3) (LRR K, L, R)	
Hydroge	n Sulfide (A4)			lineral (F	1) (LRR K	., L)	Dark S		
Stratified	Layers (A5)	()		/latrix (F2	.)		Polyva		
Depleted	Below Dark Surface	e (A11)	Depleted Matrix	(F3)			Thin D	ark Surface (S9) (LRR K, L)	
Thick Da	ark Surface (A12)		Redox Dark Sur	face (F6)			Iron-M	anganese Masses (F12) (LRR K, L, R)	
Sandy M	lucky Mineral (S1)		Depleted Dark S	Surface (F	7)		Piedm	ont Floodplain Soils (F19) (MLRA 149B)	
Sandy G	leyed Matrix (S4)		Redox Depressi	ons (F8)			Mesic	Spodic (TA6) (MLRA 144A, 145, 149B)	
Sandy R	edox (S5)						Red Parent Material (F21)		
Stripped	Matrix (S6)						Very Shallow Dark Surface (TF12)		
Dark Su	face (S7) (LRR R, N	ILRA 1491	B)				Other	(Explain in Remarks)	
³ Indicators of	hydrophytic vegetat	ion and we	etland hydrology must	t be prese	ent, unles	s disturbed	or problemation	2.	
Restrictive L	ayer (if observed):								
Type:							Undria Cail		
Depth (ind Remarks:	ches):						Hydric Soli		
Dicturbo	d coil								
Distuibe									

W23/W24

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Line 1580	City/County: Monroe	San	npling Date: 2021-03-03
Applicant/Owner: Eversource		State: Connecticut S	ampling Point: 204 W40
Investigator(s): MHZ, RKV	Section, Township, Range:		
Landform (hillslope, terrace, etc.): Hillslope	Local relief (concave, convex, nor	ne):	Slope (%): <u>5-8</u>
Subregion (LRR or MLRA): R 144A Lat: 41.37567	714 Long: -73	.1733335	Datum: WGS 84
Soil Map Unit Name: <u>3, 73c</u>		NWI classification	E PFO1E
Are climatic / hydrologic conditions on the site typical for this time of	of year? Yes No 🔽 (If no, explain in Rema	rks.)
Are Vegetation 🔽, Soil, or Hydrology significa	Intly disturbed? Are "Normal	Circumstances" prese	nt? Yes No 🔽
Are Vegetation, Soil, or Hydrology naturally	y problematic? (If needed, e	xplain any answers in	Remarks.)

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

Hydrophytic Vegetation Present? Hydric Soil Present?	Yes <u> </u>	Is the Sampled Area within a Wetland? Yes No
Wetland Hydrology Present?	Yes No	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedu	ires here or in a separate report.)	

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Primary Indicators (minimum of one is required: check all that apply) ✓ Surface Water (A1) ✓ Water-Stained Leaves (B9) ✓ High Water Table (A2)	
Sparsely Vegetated Concave Surface (B8)	 FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes	Wetland Hydrology Present? Yes <u>V</u> No tions), if available:
Remarks: Hillside seep, water actively flowing on surface, draina	ge patterns

Sampling Point: 204 W40

Troo Stratum (Plot size: 30 ft r)	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tsuga canadensis	<u>-% Cover</u> 40		FACU	Number of Dominant Species
Betula alleghaniansis	20		FAC	That Are OBL, FACW, or FAC: 4 (A)
	10		FAC	Total Number of Dominant
Jiriodendron tulinifera	5		FACU	Species Across Air Strata.
		·	1700	Percent of Dominant Species That Are OBL, FACW, or FAC: 80.00 (A/B)
5			·	
6		·		Prevalence Index worksheet:
7	75			Total % Cover of: Multiply by:
	/5	= Total Cov	ver	OBL species $\frac{0}{45}$ $x_1 = \frac{0}{90}$
Sapling/Shrub Stratum (Plot size: 15 ft f)	10			FACW species $\frac{40}{30}$ $x_2 = \frac{60}{30}$
1. Lindera benzoin	10	<u> </u>	FACW	FAC species 45 $x_3 = 10$
2				$\begin{array}{c} 1 \text{ Acc species} \\ 1 \text{ IPI species} \\ 0 \\ x 5 = 0 \end{array}$
3		·		$\begin{array}{c} \text{Column Totals:} \\ 120 \\ \text{Column Totals:} \\ 120 \\ \text{(A)} \\ 360 \\ \text{(B)} \\ \end{array}$
4				
5				Prevalence Index = $B/A = \frac{3.00}{2}$
6	<u> </u>			Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
	10	= Total Cov	ver	✓ 2 - Dominance Test is >50%
Herb Stratum (Plot size: 5 ft r)				\checkmark 3 - Prevalence Index is ≤3.0 ¹
1. Osmundastrum cinnamomeum	20	~	FACW	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
2. Onoclea sensibilis	15	~	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
3	_			
4				¹ Indicators of hydric soil and wetland hydrology must
				be present, unless disturbed of problematic.
				Definitions of Vegetation Strata:
o				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
<i>1</i>				at breast height (DBH), regardless of height.
8				Sapling/shrub – Woody plants less than 3 in. DBH
9		·		and greater than of equal to 3.26 it (1 m) tail.
10			·	Herb – All herbaceous (non-woody) plants, regardless
11				
12		·		Woody vines – All woody vines greater than 3.28 ft in height.
	35	= Total Co	ver	
Woody Vine Stratum (Plot size: 30 ft r)				
1				
2				
3	<u> </u>			Hydrophytic
4.				Vegetation
	0	= Total Cov	ver	Present? Yes <u>No</u> No
Remarks: (Include photo numbers here or on a separate	sheet.)		-	1

SOIL

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth	Matrix		Redox	k Feature	S	0		
(inches)	Color (moist)	%	Color (moist)	%	Type'	Loc ²	Texture Remarks	
0 - 6	10YR 2/1	100					Silt Loam	
6 - 14	10YR 4/1	95	10YR 3/6	5	С	М	Silt Loam	
14 - 20	10YR 4/1	95	10Y 3/6	5	С	М	Sand	
-								
							·	
-		·						
-		·						
-		·						
-		·						
-								
-								
_		·						
¹ Type: C=C	oncentration D=Dep	letion RM	=Reduced Matrix MS		Sand Gr	ains	² Location: PL=Pore Lining M=Matrix	
Hydric Soil	Indicators:						Indicators for Problematic Hydric Soils ³ :	
Histosol	(A1)		Polyvalue Below	v Surface	(S8) (LRF	RR,	2 cm Muck (A10) (LRR K, L, MLRA 149B)	
Histic Ep	pipedon (A2)		MLRA 149B)	aa (CO) (I			Coast Prairie Redox (A16) (LRR K, L, R)	
– Black Hi Hvdroge	stic (A3) In Sulfide (A4)		Loamv Mucky M	ce (S9) (L lineral (F	1) (LRR K	LRA 1498 . L)	Dark Surface (S7) (LRR K, L, R)	
Stratified	d Layers (A5)		Loamy Gleyed N	Matrix (F2	:) :)	, _/	Polyvalue Below Surface (S8) (LRR K, L)	
Depleted	d Below Dark Surfac	e (A11)	✓ Depleted Matrix	(F3)			Thin Dark Surface (S9) (LRR K, L)	
Thick Da	ark Surface (A12)		Redox Dark Sur	face (F6)	7)		Iron-Manganese Masses (F12) (LRR K, L, R)	
Sandy N	Gleved Matrix (S4)		Depleted Dark 3	ions (F8)	.7)		Mesic Spodic (TA6) (MLRA 144A, 145, 149B)	
Sandy R	ledox (S5)			(1.0)			Red Parent Material (F21)	
Stripped	Matrix (S6)						Very Shallow Dark Surface (TF12)	
Dark Su	rface (S7) (LRR R, N	/LRA 1491	3)				Other (Explain in Remarks)	
³ Indicators of	f hydrophytic vegetat	tion and we	etland hydrology mus	t be prese	ent, unless	s disturbed	d or problematic.	
Restrictive I	Layer (if observed):							
Type:								
Depth (ind	ches):						Hydric Soil Present? Yes V No	
Remarks:								
Very bo	uldery							