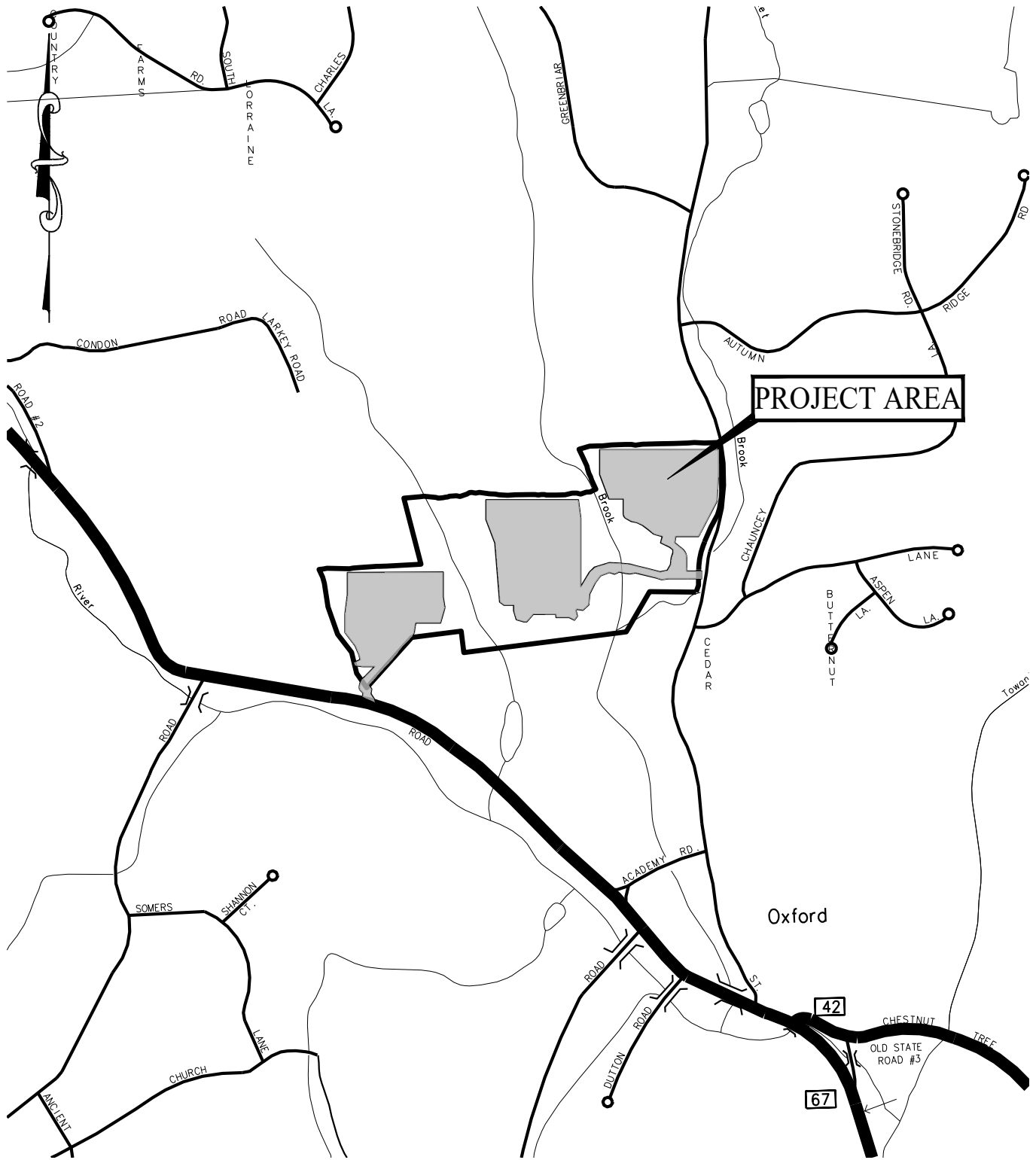
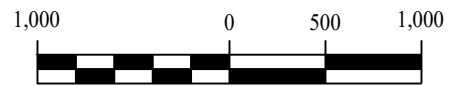


## Appendix A: Figures



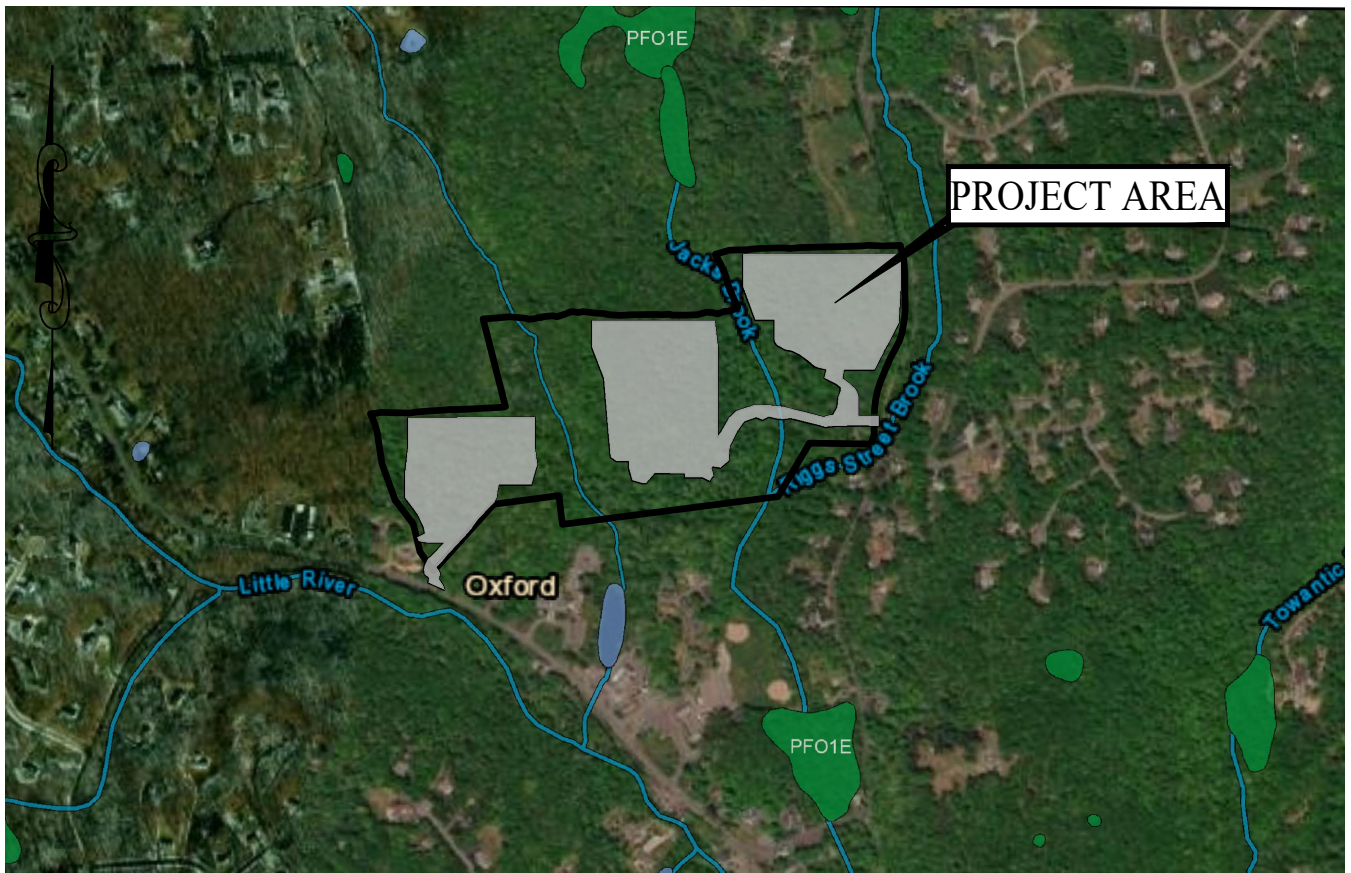
NOTE: BASE MAP INFORMATION TAKEN FROM TRU MAP 107



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**SITE LOCATION MAP**  
0 RIGGS STREET  
OXFORD, CONNECTICUT

Project #:	22108801
Plan Date:	11/28/23
Scale:	1" = 1,000'
Figure:	1



**Wetlands**

- |   |                                   |   |                             |   |       |
|---|-----------------------------------|---|-----------------------------|---|-------|
|  | Estuarine and Marine Wetland      |    | Freshwater Emergent Wetland |  | Lake  |
|  | Estuarine and Marine Deepwater    |    | Freshwater Pond             |  | Other |
|  | Freshwater Forested/Shrub Wetland |  | Riverine                    |   |       |

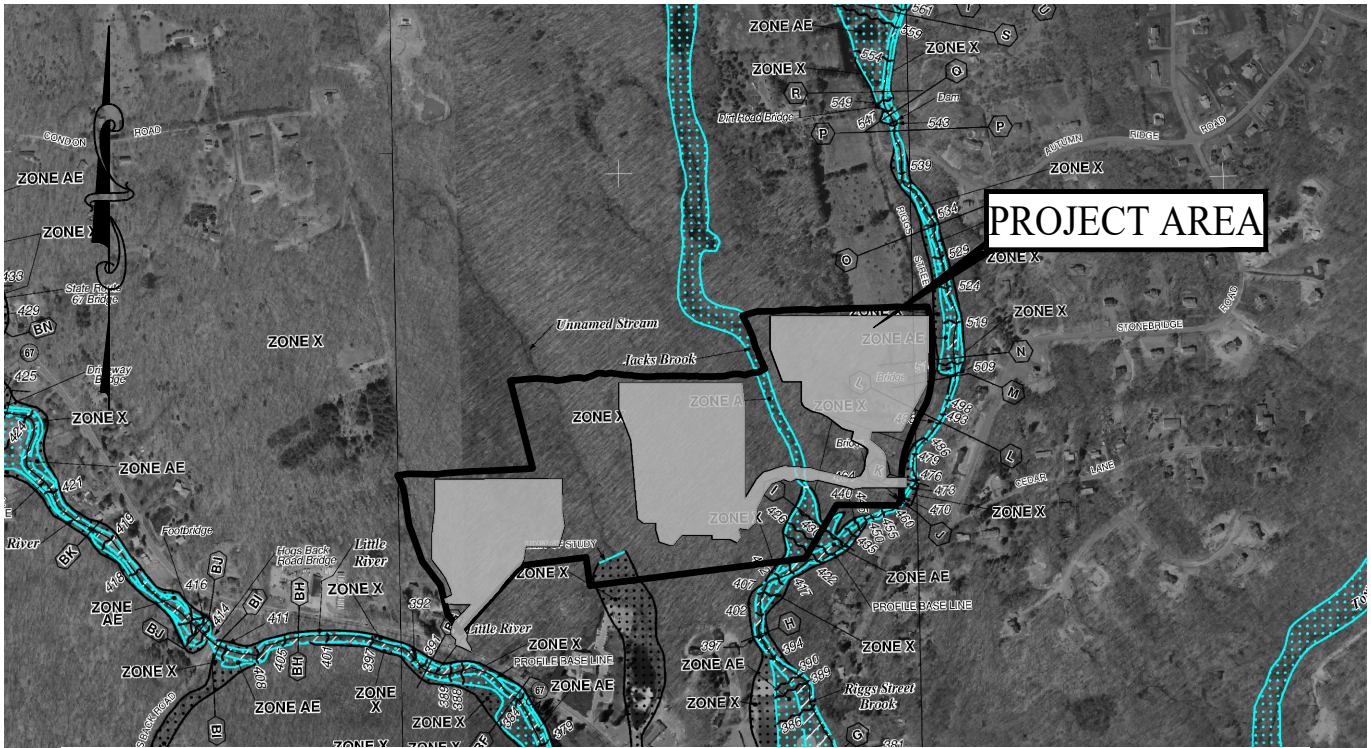
NOTE: BASE MAP INFORMATION TAKEN FROM U.S. FISH AND WILDLIFE SERVICE NATIONAL WETLANDS INVENTORY



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**WETLANDS &  
WATERCOURSES MAP**  
0 RIGGS STREET  
OXFORD, CONNECTICUT

Project #:	22108801
Plan Date:	07/06/23
Scale:	1" = 1,000'
Figure:	2



**LEGEND**

**SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD**

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

- ZONE A** No Base Flood Elevations determined.
- ZONE AE** Base Flood Elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE AR** Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE A99** Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE V** Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- ZONE VE** Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

**FLOODWAY AREAS IN ZONE AE**

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

**OTHER FLOOD AREAS**

- ZONE X** Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

**OTHER AREAS**

- ZONE X** Areas determined to be outside the 0.2% annual chance floodplain.
- ZONE D** Areas in which flood hazards are undetermined, but possible.

**COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS**

**OTHERWISE PROTECTED AREAS (OPAs)**

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.

- Base Flood Elevation line and value; elevation in feet\*
- Base Flood Elevation value where uniform within zone; elevation in feet\*

\* Referenced to the North American Vertical Datum of 1988 (NAVD 88)

- Cross section line
- Transect line

- Geographic coordinates referenced to the North American Datum of 1983 (NAD 83)
- 1000-meter Universal Transverse Mercator grid ticks, zone 18
- 5000-foot grid values: Connecticut State Plane coordinate system, (FIPZONE 0600), Lambert Conformal Conic

- 97°07'30", 32°22'30"
- 42°75'000"N
- 6000000 FT
- DX5510
- M1.5

- Bench mark (see explanation in Notes to Users section of this FIRM panel)
- River Mile

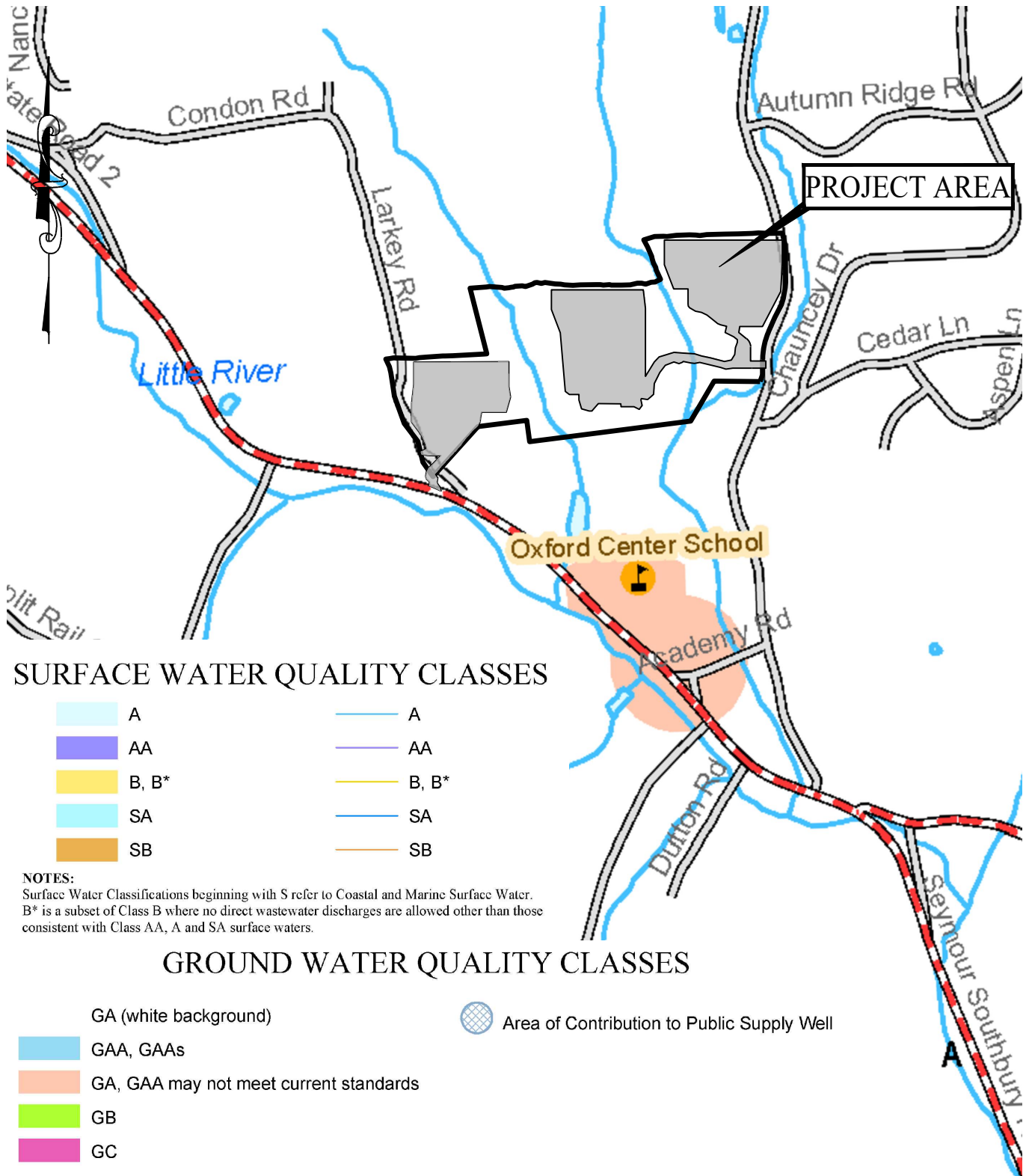
**NOTE: BASE MAP INFORMATION TAKEN FROM FEMA FLOOD INSURANCE RATE MAP, MAP NUMBER 09009C0253H AND 09009C0234H, EFFECTIVE 12/17/2010.**



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**FEMA FLOOD MAP**  
 0 RIGGS STREET  
 OXFORD, CONNECTICUT

Project #:	22108801
Plan Date:	11/28/23
Scale:	1" = 1,000
Figure:	3



**SURFACE WATER QUALITY CLASSES**

- A
- AA
- B, B\*
- SA
- SB

**NOTES:**  
 Surface Water Classifications beginning with S refer to Coastal and Marine Surface Water.  
 B\* is a subset of Class B where no direct wastewater discharges are allowed other than those consistent with Class AA, A and SA surface waters.

**GROUND WATER QUALITY CLASSES**

- GA (white background)
  - GAA, GAAs
  - GA, GAA may not meet current standards
  - GB
  - GC
- Area of Contribution to Public Supply Well

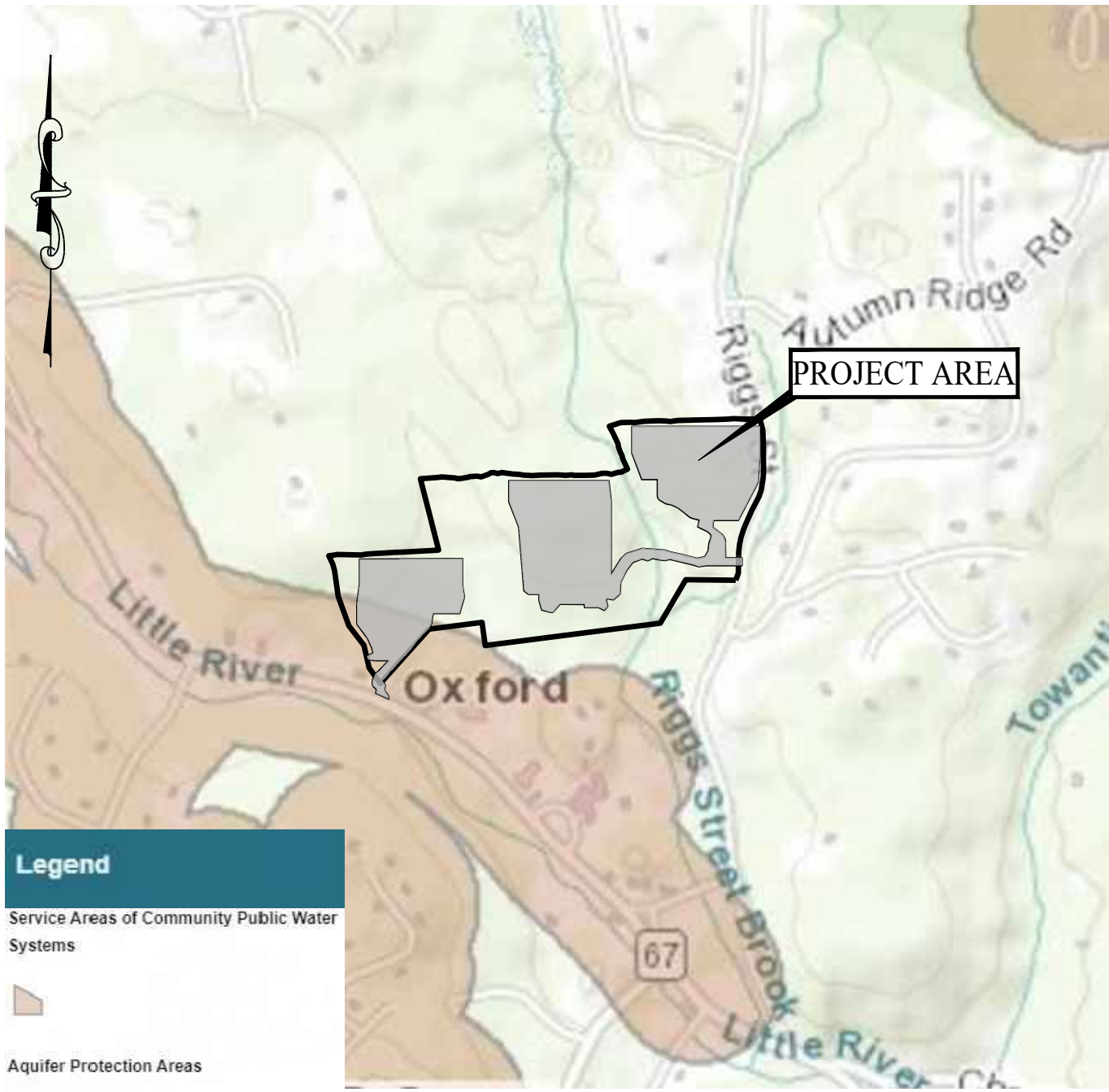
**NOTE:** BASE MAP INFORMATION TAKEN FROM CT DEEP, DATED: JULY 13, 2021.



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**WATER QUALITY CLASSIFICATION MAP**  
 0 RIGGS STREET  
 OXFORD, CONNECTICUT

Project #:	22108801
Plan Date:	11/28/23
Scale:	1" = 1,000'
Figure:	4



**Legend**

Service Areas of Community Public Water Systems

Aquifer Protection Areas

Drinking Water Watersheds

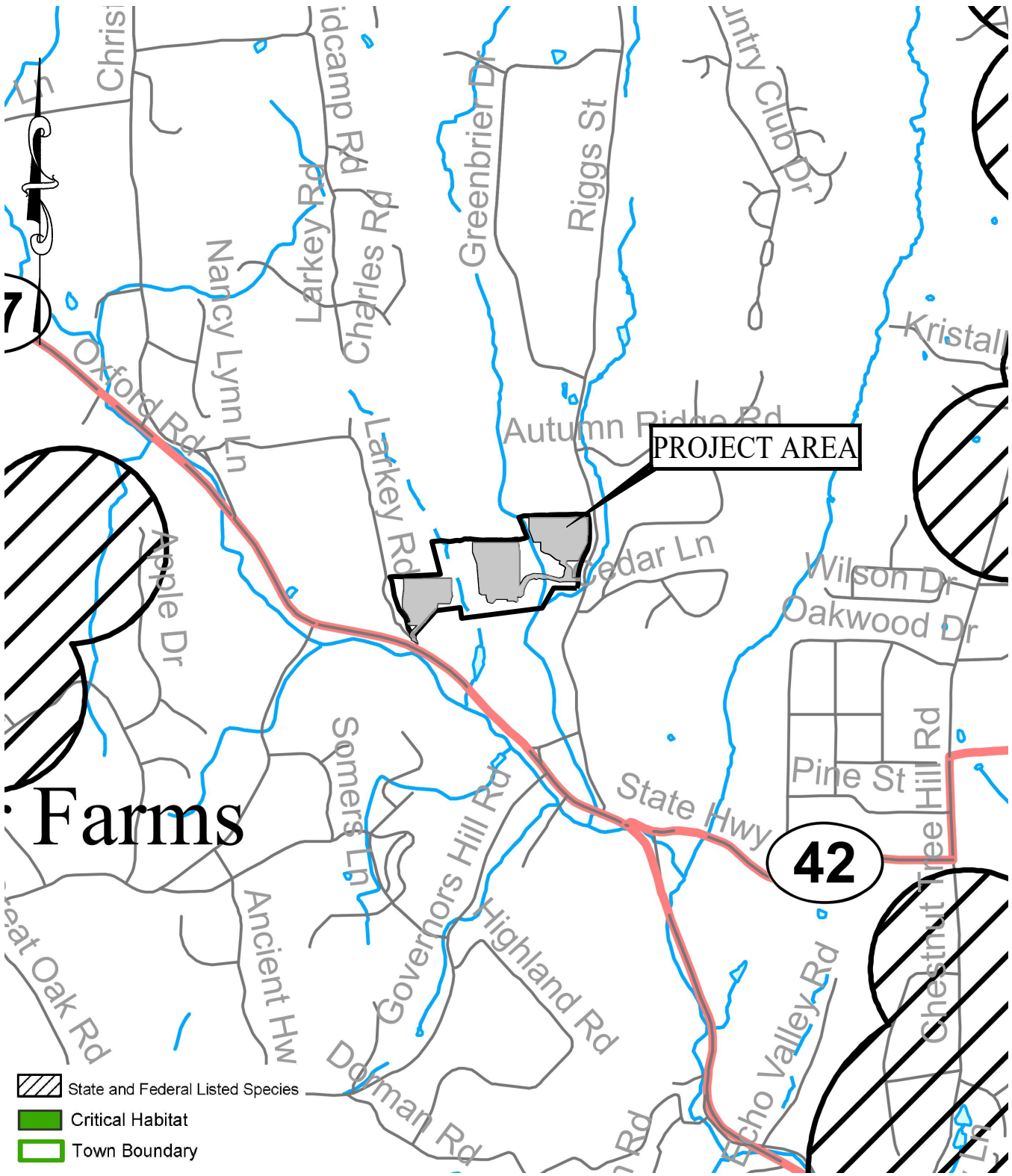
NOTE: BASE MAP INFORMATION TAKEN FROM CONNECTICUT STATE DEPARTMENT OF PUBLIC HEALTH GIS MAP.






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**PUBLIC SUPPLY WATERSHED  
MAP**  
0 RIGGS STREET  
OXFORD, CONNECTICUT

Project #:	22108801
Plan Date:	11/28/23
Scale:	1" = 1,000'
Figure:	5



Farms

-  State and Federal Listed Species
-  Critical Habitat
-  Town Boundary

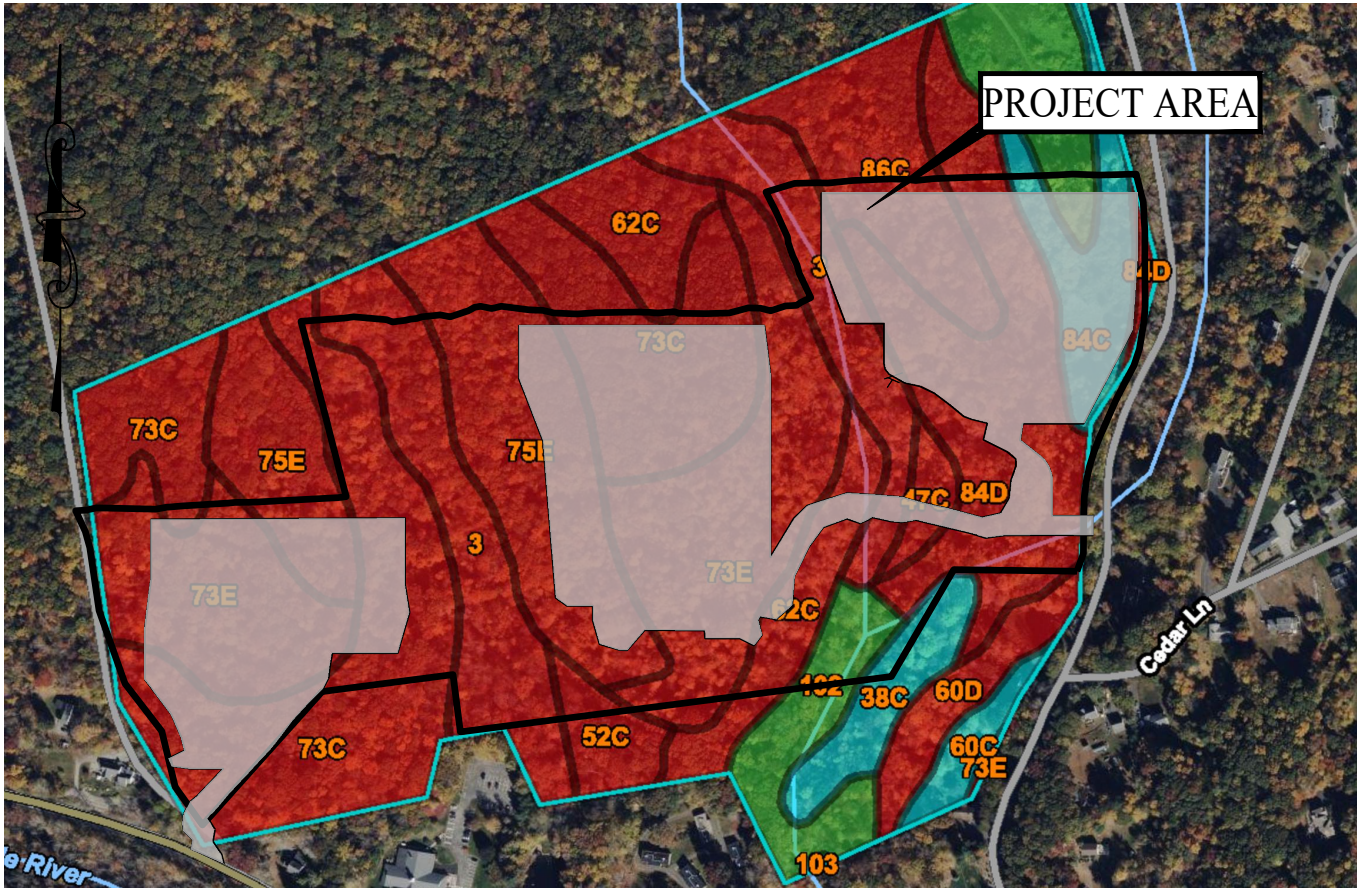
NOTE: BASE MAP INFORMATION TAKEN FROM CT DEEP BUREAU OF NATURAL RESOURCES WILDLIFE DIVISION, DATED: DECEMBER 2022.



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NATURAL DIVERSITY DATA  
BASE MAP  
0 RIGGS STREET  
OXFORD, CONNECTICUT

Project #:	22108801
Plan Date:	11/28/23
Scale:	1" = 2,000'
Figure:	7



Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI	Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
3	Ridgebury, Leicester, and Whitman soils, 0 to 8 percent slopes, extremely stony	Not prime farmland	10.6	11.0%	84C	Paxton and Montauk fine sandy loams, 8 to 15 percent slopes	Farmland of statewide importance	3.5	3.6%
38C	Hinckley loamy sand, 3 to 15 percent slopes	Farmland of statewide importance	2.3	2.4%	84D	Paxton and Montauk fine sandy loams, 15 to 25 percent slopes	Not prime farmland	10.3	10.6%
47C	Woodbridge fine sandy loam, 3 to 15 percent slopes, extremely stony	Not prime farmland	0.9	0.9%	86C	Paxton and Montauk fine sandy loams, 3 to 15 percent slopes, extremely stony	Not prime farmland	5.0	5.2%
52C	Sutton fine sandy loam, 2 to 15 percent slopes, extremely stony	Not prime farmland	1.5	1.6%	102	Pootatuck fine sandy loam	All areas are prime farmland	3.4	3.5%
60C	Canton and Charlton fine sandy loams, 8 to 15 percent slopes	Farmland of statewide importance	1.1	1.1%	103	Rippowam fine sandy loam	Farmland of statewide importance	0.0	0.0%
60D	Canton and Charlton soils, 15 to 25 percent slopes	Not prime farmland	2.1	2.2%	<b>Totals for Area of Interest</b>				
62C	Canton and Charlton fine sandy loams, 3 to 15 percent slopes, extremely stony	Not prime farmland	5.5	5.7%				<b>96.7</b>	<b>100.0%</b>
73C	Charlton-Chatfield complex, 0 to 15 percent slopes, very rocky	Not prime farmland	20.5	21.2%					
73E	Charlton-Chatfield complex, 15 to 45 percent slopes, very rocky	Not prime farmland	14.3	14.8%					
75E	Hollis-Chatfield-Rock outcrop complex, 15 to 45 percent slopes	Not prime farmland	12.1	12.6%					
84B	Paxton and Montauk fine sandy loams, 3 to 8 percent slopes	All areas are prime farmland	3.5	3.6%					

NOTE: BASE MAP INFORMATION TAKEN FROM THE NATURAL RESOURCES CONSERVATION SERVICE, URL: <https://websoilsurvey.nrcs.usda.gov/app/>

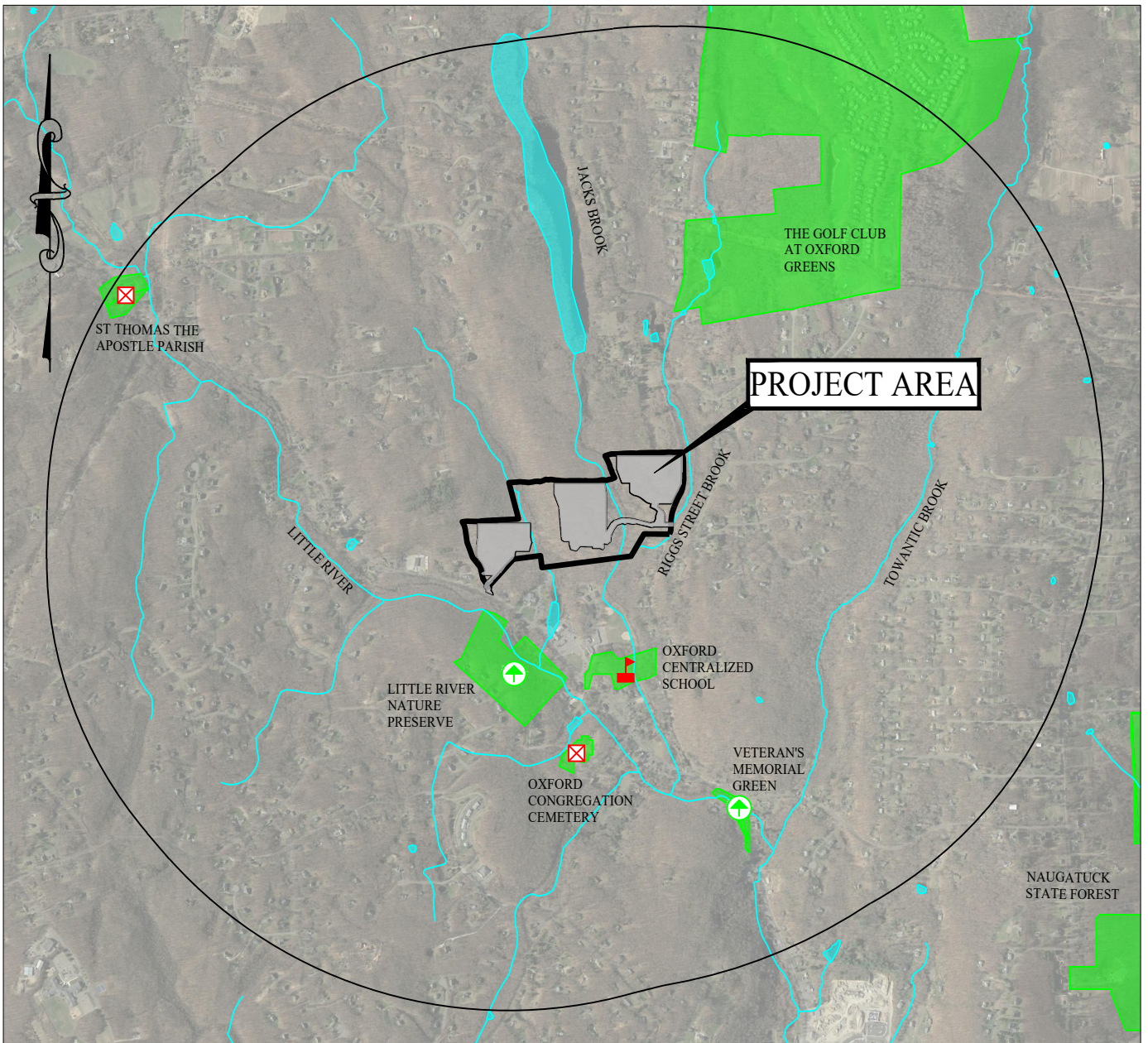


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**PRIME FARMLAND MAP**  
0 RIGGS STREET  
OXFORD, CONNECTICUT

Project #: 22108801  
Plan Date: 11/28/23  
Scale: 1" = 500'  
Figure: 8





## LEGEND

	PROPERTY LINE		OPEN WATER (CT DEEP)
	1 MILE RADIUS		OPEN SPACE (CT ECO)
	TOWN BOUNDARY		SCHOOL
	NTL. SCENIC ROADWAY		CEMETERY
	STATE SCENIC ROADWAY		PARK
	HIKING TRAIL		
	WATERCOURSES (CT DEEP)		

NOTE: BASE MAP RESOURCES TAKEN FROM CT ECO  
OPEN SPACE MAPPING AND CT DEEP HYDROGRAPHY



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**SCENIC & RECREATION MAP**  
0 RIGGS STREET  
OXFORD, CONNECTICUT

Project #: 22108801  
Plan Date: 07/06/23  
Scale: 1" = 2,000'  
Figure: 9



**LEGEND**



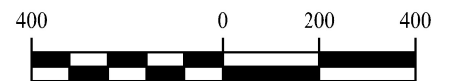
PROPERTY LINE



PREDICTED YEAR-ROUND VISIBILITY



PREDICTED SEASONAL VISIBILITY



Rev. #:	Date	Description

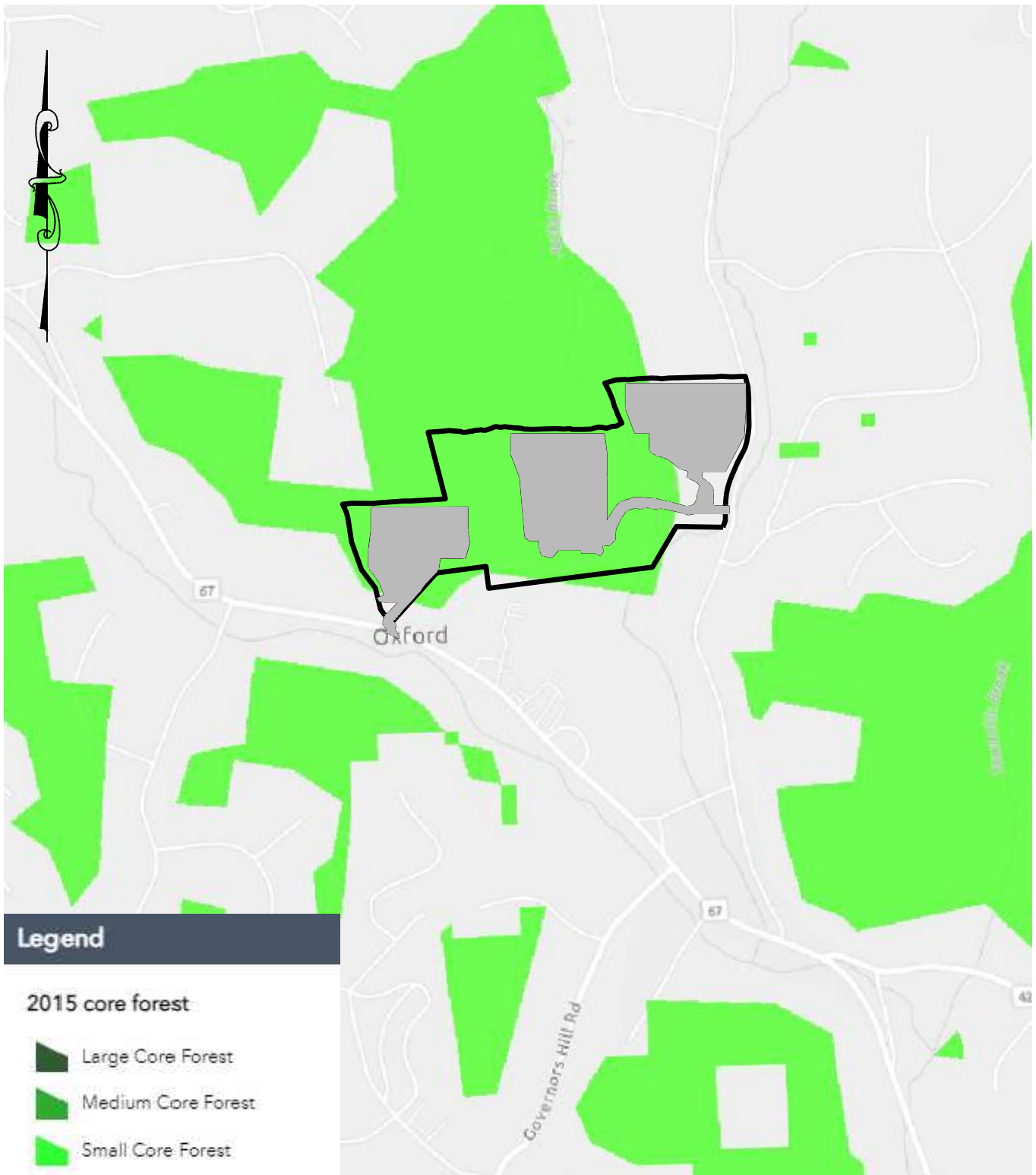
**SOLLI ENGINEERING**  
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Drawn By:	SFU
Checked By:	KMS
Project #:	22108801
Plan Date:	12/06/23
Scale:	1" = 400'

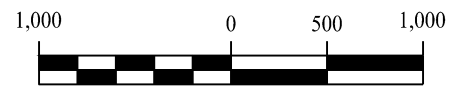
Project: **PROPOSED SOLAR PHOTOVOLTAIC ARRAY**  
 RIGGS STREET  
 OXFORD, CONNECTICUT

Sheet Title: **VIEWSHED MAP**

SHEET #: **FIG.10**



NOTE: BASE MAP RESOURCES TAKEN FROM 2020 FOREST ACTION PLAN PRIORITY AREAS GIS.



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**CORE FOREST MAP**  
0 RIGGS STREET  
OXFORD, CONNECTICUT

Project #:	22108801
Plan Date:	11/28/23
Scale:	1" = 1,000'
Figure:	11