

Potential Vernal Pools (PVPs) – Wallingford Renewable Energy  
Photos taken in October and November 2017, by REMA Ecological Services, LLC



Photo 9: PVP-5; facing westerly



Photo 10: PVP-5; after major storms; facing easterly

Potential Vernal Pools (PVPs) – Wallingford Renewable Energy  
Photos taken in October and November 2017, by REMA Ecological Services, LLC



*Photo 11: PVP-6 (embedded in Wetland B5); facing northeasterly*



*Photo 12: PVP-7; facing northeasterly*



*Photo 13A:* Wetland A3; seasonally saturated to temporarily flooded section (northern parcel); facing southeasterly

Potential Vernal Pools (PVPs) – Wallingford Renewable Energy  
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*Photo 13: PVP-7; facing easterly*



*Photo 14: PVP-8; facing northerly*

Potential Vernal Pools (PVPs) – Wallingford Renewable Energy  
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Photo 15: PVP-8; October 2017; facing northerly



Photo 16: PVP-8; November; Wetland B5; facing northerly

Potential Vernal Pools (PVPs) – Wallingford Renewable Energy  
Photos taken in December 2017, by REMA Ecological Services, LLC



Photo 17: PVP-7A; abandoned roadway in background; facing southerly



Photo 18: PVP-7A; more than 50% of PVP has dense herbaceous stratum

Proposed Wetland Crossing – Wallingford Renewable Energy  
Photos taken in December 2017, by REMA Ecological Services, LLC



*Photo A:* Proposed wetland crossing at existing woods road; Wetland B5; facing westerly



*Photo B:* Proposed wetlands crossing; facing easterly



*Photo C:* Proposed wetland crossing over existing woods road; Wetland B5; facing easterly

**ATTACHMENT D:**  
**Functions & Values Assessment Rationales**

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# The Highway Methodology Workbook: Wetland Functions and Values, a Descriptive Approach

( US Army Corps of Engineers New England Division 1995)

*Wetland evaluation supporting documentation (rationales) from Appendix A.  
Numbers correspond to numbers on ACAOE Functional Values summary form.*

## Project: Wallingford Renewable Energy

### GROUNDWATER RECHARGE/DISCHARGE

"A-System"	"B-System"	CONSIDERATIONS/QUALIFIERS
		1. Public or private wells occur downstream of the wetland.
		2. Potential exists for public or private wells downstream of the wetland.
X	X	3. Wetland is underlain by stratified drift.
X	X	4. Gravel or sandy soils present in/or adjacent to the wetland.
X	X	5. Fragipan does not occur in the wetland.
		6. Fragipan, impervious soils, or bedrock, does occur in the wetland.
X	X	7. Wetland is associated with a perennial or intermittent watercourse.
X	X	8. Signs of groundwater recharge are present or piezometer data demonstrates recharge.
		9. Wetland is associated with a watercourse, but lacks a defined outlet or contains a constricted outlet.
	X	10. Wetland contains only an outlet
		11. Groundwater quality of stratified drift aquifer within or downstream of wetland meets drinking water standards.
		12. Quality of surface water associated with the wetland is high.
	X	13. Signs of groundwater discharge are present (e.g. springs).
		14. Water temperature suggests it is a discharge site.
X	X	15. Wetland shows signs of variable water levels.
	X	16. Gravel or sandy soils present in or adjacent to wetland.
		17. Piezometer data demonstrates discharge.
		18. Other

**Y** **P** Present? (Y/N) Principal? (P) *Mostly for Wetlands B3 and B4*

# The Highway Methodology Workbook: Wetland Functions and Values, a Descriptive Approach (Continued)

## FLOODFLOW ALTERATION (Storage & Desynchronization)

"A-System"	"B-System"	CONSIDERATIONS/QUALIFIERS
	<b>X</b>	1. Area of this wetland is large relative to its watershed.
	<b>X</b>	2. Wetland occurs in the upper portions of its watershed.
		3. Effective flood storage is small or non-existent upslope of or above the wetland.
<b>X</b>		4. Wetland watershed contains a high degree of impervious surfaces.
	<b>X</b>	5. Wetland contains hydric soils that are able to absorb and detain water.
<b>X</b>	<b>X</b>	6. Wetland exists in a relatively flat area that has flood storage potential.
	<b>X</b>	7. Wetland has an intermittent outlet, ponded water, or signs are present of variable water level.
<b>X</b>		8. During flood events, this wetland can retain higher volumes of water than under normal or average rainfall conditions.
<b>X</b>		9. Wetland receives and retains overland or sheet flow runoff from surrounding uplands.
<b>X</b>	<b>X</b>	10. In the event of a large storm, this wetland may receive and detain excessive flood water from a nearby watercourse. <i>(Quinnipiac River)</i>
<b>X</b>		11. Valuable properties, structures or resources are located in or near the floodplain downstream from the wetland.
<b>X</b>		12. The watershed has a history of economic loss due to flooding.
<b>X</b>		13. This wetland is associated with one or more watercourses.
		14. This wetland watercourse is sinuous or diffuse.
	<b>X</b>	15. This wetland outlet is constricted.
<b>X</b>		16. Channel flow velocity is affected by this wetland.
<b>X</b>		17. Land uses downstream are protected by this wetland.
<b>X</b>	<b>X</b>	18. This wetland contains a high density of vegetation.
		19. Other
<b>P</b>	<b>P</b>	Present? (Y/N) Principal? (P)

# The Highway Methodology Workbook: Wetland Functions and Values, a Descriptive Approach (Continued)

## FISH AND SHELLFISH HABITAT

"A-System"	"B-System"	CONSIDERATIONS/QUALIFIERS
	<b>x</b>	1. Forest land dominant in the watershed above this wetland.
<b>x</b>		2. Abundance of cover objects present.
		STOP HERE IF THIS WETLAND IS NOT ASSOCIATED WITH A PERENNIAL WATERCOURSE
<b>x</b>		3. Size of this wetland is able to support large fish/shellfish populations.
<b>x</b>		4. Wetland is part of a larger, contiguous watercourse.
<b>x</b>		5. Wetland has sufficient size and depth in open water areas so as not to freeze solid and retains some open water during winter.
<b>x</b>		6. Stream width (bank to bank) is more than 50 feet.
		7. Quality of the watercourse associated with this wetland is able to support healthy fish/shellfish populations.
<b>x</b>		8. Streamside vegetation provides shade for the watercourse.
<b>x</b>		9. Spawning areas are present (submerged vegetation or gravel beds).
		10. Food is available to fish/shellfish populations within this wetland.
<b>x</b>		11. Barrier(s) to anadromous fish (such as dams, including beaver dams, waterfalls, road crossing, etc.) are absent from the stream reach associated with this wetland.
<b>x</b>		12. Evidence of fish is present.
		13. Wetland is stocked with fish.
<b>x</b>		14. The watercourse is persistent.
<b>x</b>		15. Man-made streams are absent.
<b>x</b>		16. Water velocities are not too excessive for fish usage.
<b>x</b>		17. Defined stream channel is present.
		18. Other:
<b>P</b>	<b>N</b>	Present? (Y/N) Principal? (P)

# The Highway Methodology Workbook: Wetland Functions and Values, a Descriptive Approach (Continued)

## SEDIMENT/TOXICANT/PATHOGEN RETENTION

"A-System"	"B-System"	CONSIDERATIONS/QUALIFIERS
<b>x</b>	<b>x</b>	1. Potential sources of excess sediment are in the watershed above the wetland.
<b>x</b>	<b>x</b>	2. Potential or known sources of toxicants are in the watershed above the wetland.
		3. Opportunity for sediment trapping by slow moving water or deepwater habitat is present in this wetland.
<b>x</b>	<b>x</b>	4. Mineral, fine grained, or organic soils are present.
	<b>x</b>	5. Long duration water retention time is present in this wetland.
		6. Public or private water sources occur downstream.
<b>x</b>		7. The wetland edge is broad and intermittently aerobic.
<b>x</b>	<b>x</b>	8. The wetland is known to have existed for more than 50 years.
<b>x</b>		9. Drainage ditches have not been constructed in the wetland.
<b>STOP HERE IF WETLAND IS NOT ASSOCIATED WITH A WATERCOURSE.</b>		
<b>x</b>	<b>x</b>	10. Wetland is associated with an intermittent or perennial stream, or a lake.
<b>x</b>		11. Channelized flows have visible velocity decreases in the wetland.
<b>x</b>	<b>x</b>	12. Effective floodwater storage in wetland is occurring. Areas of impounded open water are present.
	<b>x</b>	13. No indicators of erosive forces are present. No high water velocities are present.
	<b>x</b>	14. Diffuse water flows are present in the wetland.
<b>x</b>		15. Wetland has a high degree of water and vegetation interspersion.
<b>x</b>	<b>x</b>	16. Dense vegetation provides opportunity for sediment trapping and/or signs of sediment accumulation is present by dense vegetation.
		17. Other:
<b>P</b>	<b>P</b>	Present? (Y/N) Principal? (P)

# The Highway Methodology Workbook: Wetland Functions and Values, a Descriptive Approach (Continued)

## NUTRIENT REMOVAL/RETENTION/TRANSFORMATION

"A-System"	"B-System"	CONSIDERATIONS/QUALIFIERS
		1. Wetland is large relative to the size of its watershed.
<b>X</b>		2. Deep water or open water habitat exists.
<b>X</b>	<b>X</b>	3. Overall potential for sediment trapping exists in the wetland.
<b>X</b>		4. Potential sources of excess nutrients present in the watershed above the wetland.
<b>X</b>	<b>X</b>	5. Wetland saturated for most of the season.
	<b>X</b>	6. Deep organic/sediment deposits are present.
<b>X</b>	<b>X</b>	7. Slowly drained mineral, fine grained, or organic soils, are present.
<b>X</b>	<b>X</b>	8. Dense vegetation is present.
	<b>X</b>	9. Emergent vegetation and/or dense woody stems are dominant.
		10. Aquatic diversity/abundance sufficient to utilize nutrients.
<b>X</b>		11. Opportunity for nutrient attenuation exists.
<b>X</b>		12. Vegetation diversity/abundance sufficient to utilize nutrients.
		STOP HERE IF WETLAND IS NOT ASSOCIATED WITH A WATERCOURSE.
	<b>X</b>	13. Waterflow through this wetland is diffuse.
	<b>X</b>	14. Water retention/detention time in this wetland is increased by constricted outlet or thick vegetation.
	<b>X</b>	15. Water moves slowly through this wetland.
		16. Other

**P** **P** Present? (Y/N) Principal? (P)

## The Highway Methodology Workbook: Wetland Functions and Values, a Descriptive Approach (Continued)

### PRODUCTION EXPORT (Nutrient)

"A-System"	"B-System"	CONSIDERATIONS/QUALIFIERS
x	x	1. Wildlife food sources grow within this wetland.
x	x	2. Detritus development is present within this wetland
		3. Economically or commercially used products found in this wetland.
x	x	4. Evidence of wildlife use found within this wetland.
x		5. Higher trophic level consumers are utilizing this wetland.
x		6. Fish or shellfish develop or occur in this wetland.
x	x	7. High vegetation density is present.
x	x	8. Wetland exhibits high degree of plant community structure/species diversity.
x		9. High aquatic diversity/abundance is present.
x		10. Nutrients exported in wetland watercourses (permanent outlet present).
		11. "Flushing" of relatively large amounts of organic plant material occurs from this wetland.
x	x	12. Wetland contains flowering plants that are used by nectar-gathering insects.
x		13. Indications of export are present.
x		14. High production levels occurring however, no visible signs of export (assumes export is attenuated).
		15. Other <i>Food chain is main route of production export.</i>

**P** **Y** Present? (Y/N) Principal? (P)

# The Highway Methodology Workbook: Wetland Functions and Values, a Descriptive Approach (Continued)

## SEDIMENT/SHORELINE STABILIZATION

"A-System"	"B-System"	CONSIDERATIONS/QUALIFIERS
<b>X</b>		1. Indications of erosion or siltation present.
<b>X</b>		2. Topographical gradient is present in wetland.
<b>X</b>		3. Potential sediment sources are present up-slope.
		4. No distinct shoreline or bank is evident between the waterbody and the wetland or upland.
<b>X</b>		5. A distinct step between the open waterbody or stream and the adjacent land exists (i.e. sharp bank) with dense roots throughout.
<b>X</b>	<b>X</b>	6. Wide wetland (>10') bordering watercourse, lake, or pond.
<b>X</b>		7. High flow velocities in the wetland.
<b>X</b>		8. Potential sediment sources present upstream.
<b>X</b>		9. The watershed is of sufficient size to produce channelized flow.
		10. Open water fetch is present.
		11. Boating activity is present.
<b>X</b>	<b>X</b>	12. Dense vegetation is bordering watercourse, lake, or pond.
		13. High percentage of energy absorbing emergents and/or shrubs bordering watercourse, lake or pond.
<b>X</b>		14. Vegetation comprised of large trees and shrubs that withstand major flood events or erosive incidents and stabilize the shoreline on a large scale (feet).
		15. Vegetation comprised of dense resilient herbaceous layer that stabilizes sediments and the shoreline on a small scale (inches) during minor flood events or potentially erosive events.
		16. Other
<b>P</b>	<b>N</b>	Present? (Y/N) Principal? (P)

# The Highway Methodology Workbook: Wetland Functions and Values, a Descriptive Approach (Continued)

## WILDLIFE HABITAT

"A-System"	"B-System"	CONSIDERATIONS/QUALIFIERS
<input type="checkbox"/>	<input type="checkbox"/>	1. Wetland is not degraded by human activity.
<input type="checkbox"/>	<input type="checkbox"/>	2. Water quality of the watercourse, pond, or lake associated with this wetland meets or exceeds Class A or B standards.
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3. Wetland is not fragmented by development.
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4. Upland surrounding this wetland is undeveloped.
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5. More than 40% of this wetland edge is bordered by upland wildlife habitat (e.g., brushland, wood land, active farmland, or idle land) at least 500 feet in width.
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	6. Wetland contiguous with other wetland systems connected by watercourse or lake.
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	7. Wildlife overland access to other wetlands is present.
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	8. Wildlife food sources are within this wetland or are nearby.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	9. Wetland exhibits a high degree of interspersion of vegetation classes and/or open water.
<input type="checkbox"/>	<input type="checkbox"/>	10. Two or more islands or inclusions of upland within the wetland are present.
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	11. Dominant wetland class includes deep or shallow marsh or wooded swamp.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	12. More than three acres of shallow permanent open water (less than 6.6 feet deep), including streams in or adjacent to wetland are present.
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	13. Density of the wetland vegetation is high.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	14. Wetland exhibits a high degree of plant species diversity.
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	15. Wetland exhibits a high degree of diversity in plant community structure (e.g. tree, shrub, vine, grasses, mosses, etc.)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	16. Plant/animal indicator species present.
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	17. Animal signs observed (tracks, scats, nesting areas, etc.)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	18. Seasonal uses vary for wildlife, and wetland appears to support varied population diversity/abundance during different seasons.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	19. Wetland contains or has potential to contain a high population of insects.

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## The Highway Methodology Workbook: Wetland Functions and Values, a Descriptive Approach (Continued)

### WILDLIFE HABITAT (Continued)

"A-System"	"B-System"	CONSIDERATIONS/QUALIFIERS
<b>X</b>	<b>X</b>	20. Wetland contains or has potential to contain large amphibian populations.
<b>X</b>		21. Wetland has a high avian utilization or its potential.
		22. Indications of less disturbance-tolerant species present.
		23. Signs of wildlife habitat enhancement present (birdhouses, nesting boxes, food sources, etc.).
		24. Other

**P P** Present? (Y/N) Principal? (P)

### RECREATION

Wetland 1	Wetland 1	CONSIDERATIONS/QUALIFIERS
<b>X</b>		1. Wetland is part of a recreation area, park, forest, or refuge.
<b>X</b>		2. Fishing is available within or from the wetland.
		3. Hunting is permitted in the wetland.
		4. Hiking occurs or has potential to occur within the wetland.
<b>X</b>	<b>X</b>	5. Wetland is a valuable wildlife habitat.
		6. The watercourse, pond, or lake, associated with the wetland is unpolluted.
<b>X</b>		7. High visual/aesthetic quality of this potential recreation site.
		8. Access to water is available at this potential recreation site for boating, canoeing, or fishing.
<b>X</b>		9. The watercourse associated with this wetland is wide and deep enough to accommodate canoeing and/or non-powered boating.
		10. Off-road public parking available at the potential recreation site.
<b>X</b>	<b>X</b>	11. Accessibility and travel ease is present at this site.
		12. The wetland is within a short drive or safe walk from highly populated public and private areas.
		13. Other

**Y N** Present? (Y/N) Principal? (P)

# The Highway Methodology Workbook: Wetland Functions and Values, a Descriptive Approach (Continued)

## EDUCATIONAL/SCIENTIFIC VALUE

"A-System"	"B-System"	CONSIDERATIONS/QUALIFIERS
x		1. Wetland contains or is known to contain threatened, rare, or endangered species. <span style="float: right;"><i>Floerkea proserpinacoides</i></span>
	x	2. Little or no disturbance is occurring in this wetland. <span style="float: right;"><i>in part only</i></span>
x		3. Potential educational site contains a diversity of wetland classes that are accessible or potentially accessible.
	x	4. Potential educational site is undisturbed and natural.
x	x	5. Wetland is considered to be a valuable wildlife habitat.
x		6. Wetland is located within a nature preserve or wildlife management area. <span style="float: right;"><i>Adjacent to Quinnipiac River State Park.</i></span>
		7. Signs of wildlife habitat enhancement present (bird houses, nesting boxes, food sources, etc.).
		8. Off-road parking at potential educational site suitable for school bus access in or near wetland.
x		9. Potential educational site is within safe walking distance or a short drive to schools.
x	x	10. Potential educational site within safe walking distance to other plant communities.
x	x	11. Direct access to perennial stream at potential educational site available.
		12. Direct access to pond or lake at potential educational site available.
x		13. No known safety hazards within the potential educational site.
x		14. Public access to the potential educational site is controlled.
		15. Handicap accessibility is available.
		16. Site is currently used for educational or scientific purposes.
		17. Other
Y	Y	Present? (Y/N) Principal? (P)

# The Highway Methodology Workbook: Wetland Functions and Values, a Descriptive Approach (Continued)

## UNIQUENESS/HERITAGE

"A-System"	"B-System"	CONSIDERATIONS/QUALIFIERS
		1. Upland surrounding wetland primarily urban.
		2. Upland surrounding wetland developing rapidly.
X		3. More than 3 acres of shallow permanent open water occur in wetlands (less than 6.6 feet deep) including streams.
X		4. Three or more wetland classes present.
X	X	5. Deep and/or shallow marsh, or wooded swamp dominant.
X		6. High degree of interspersed vegetation and/or open water occurring in this wetland.
X		7. Well-vegetated stream corridor (15 feet on each side of the stream) occurs in this wetland.
		8. Potential educational site is within a short drive or a safe walk from schools.
		9. Off-road parking at potential educational site is suitable for school buses.
		10. No known safety hazards exist within this potential educational site.
X		11. Direct access to perennial stream or lake at potential educational site.
X		12. Two or more wetland classes visible from primary viewing locations.
X		13. Low-growing wetlands (marshes, scrub-shrub, bogs, open water) visible from primary viewing locations.
X		14. Half an acre of open water or 200 feet of stream is visible from the primary viewing locations.
	X	15. Large area of wetland is dominated by flowering plants, or plants that turn vibrant colors in different seasons.
X	X	16. General appearance of the wetland visible from primary viewing locations is unpolluted and/or undisturbed.
X		17. Overall view of the wetland is available from the surrounding upland.

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# The Highway Methodology Workbook: Wetland Functions and Values, a Descriptive Approach (Continued)

## UNIQUENESS/HERITAGE (Continued)

"A-System"	"B-System"	CONSIDERATIONS/QUALIFIERS
		18. Quality of the water associated with the wetland is high.
<b>X</b>		19. Opportunities for wildlife observations are available.
		20. Historical buildings occur within the wetland.
		21. Presence of pond or pond site and remains of a dam occur within the wetland.
<b>X</b>	<b>X</b>	22. Wetland within 50 yards of the nearest perennial watercourse.
		23. Visible stone or earthen foundations, berms, dams, standing structures or associated features occur within the wetland.
<b>X</b>		24. Wetland contains critical habitat for a state or federally listed threatened or endangered species.
		25. Wetland is known to be a study site for scientific research.
		26. Wetland is a natural landmark or recognized by the state natural heritage inventory authority as an exemplary natural community.
<b>X</b>		27. Wetland has local significance because it serves several functional values.
<b>X</b>	<b>X</b>	28. Wetland has local significance because it has biological, geological, or other features that are locally rare or unique.
		29. Wetland is known to contain an important archaeological site.
		30. Wetland is hydrologically connected to a state or federally designated scenic river.
		31. Wetland is located in an area experiencing a high wetland loss rate.
		32. Other
<b>P</b>	<b>Y</b>	Present? (Y/N) Principal? (P)

## The Highway Methodology Workbook: Wetland Functions and Values, a Descriptive Approach (Continued)

### VISUAL QUALITY/AESTHETICS

"A-System"	"B-System"	CONSIDERATIONS/QUALIFIERS
		1. Multiple wetland classes visible from primary viewing locations.
<b>x</b>		2. Emergent marsh and/or open water visible from primary viewing locations.
<b>x</b>		3. Diversity of vegetation species visible from primary viewing locations.
<b>x</b>	<b>x</b>	4. Wetland dominated by flowering plants, or plants that turn vibrant colors in different seasons.
	<b>x</b>	5. Land use surrounding the wetland is undeveloped as seen from primary viewing locations.
<b>x</b>		6. Visible surrounding land use form contrasts with wetland.
	<b>x</b>	7. Wetland views absent of trash, debris, and signs of disturbance.
<b>x</b>	<b>x</b>	8. Wetland is considered to be a valuable wildlife habitat.
		9. Wetland is easily accessed.
	<b>x</b>	10. Low noise level at primary viewing locations.
<b>x</b>	<b>x</b>	11. Unpleasant odors absent at primary viewing locations.
		12. Relatively unobstructed sight line exists through wetland.
		13. Other

**Y** **Y** Present? (Y/N) Principal? (P)

# The Highway Methodology Workbook: Wetland Functions and Values, a Descriptive Approach (Continued)

## ENDANGERED SPECIES HABITAT

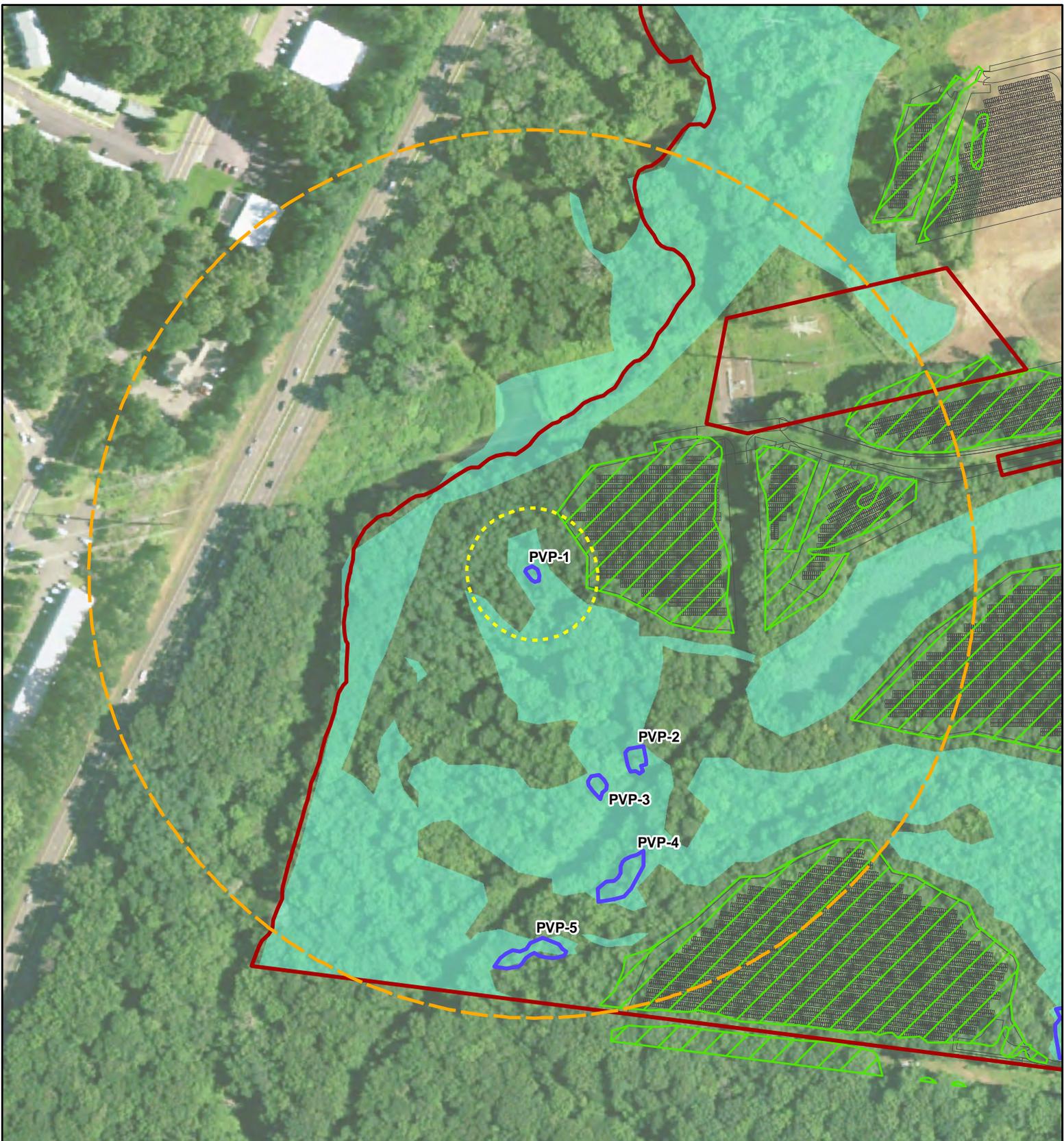
"A-System"	"B-System"	CONSIDERATIONS/QUALIFIERS
<b>X</b>		1. Wetland contains or is known to contain threatened or endangered species.
<b>X</b>		2. Wetland contains critical habitat for a state or federally listed threatened or endangered species.
<b>X</b>		3. Other <i>NDDB shows Floerkea proserpinaca (Endangered), and the species was found within "A-system" in 2017</i>
<b>P</b>	<b>N</b>	Present? (Y/N) Principal? (P) <i>Larger "A-system" is known to contain CT Special Concern wood turtle and the Endangered false mermaid-weed (Floerkea proserpinacoides)</i>

## FISH AND SHELLFISH HABITAT (Supporting marine resources)

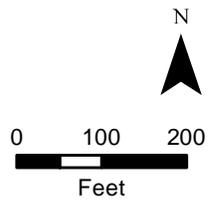
"A-System"	"B-System"	CONSIDERATIONS/QUALIFIERS
		1. Special aquatic sites (tidal marsh, mud flats, eelgrass beds) are present.
		2. Suitable spawning habitat is present at the site or in the area.
		3. Commercially or recreationally important species are present or suitable habitat exists.
		4. The wetland/waterway supports prey for higher trophic level marine organisms.
		5. The waterway provides migratory habitat for anadromous fish.
		6. Other
<b>N</b>	<b>N</b>	Present? (Y/N) Principal? (P)

**ATTACHMENT E:**  
**Potential Vernal Pool Calculation Radius Maps**

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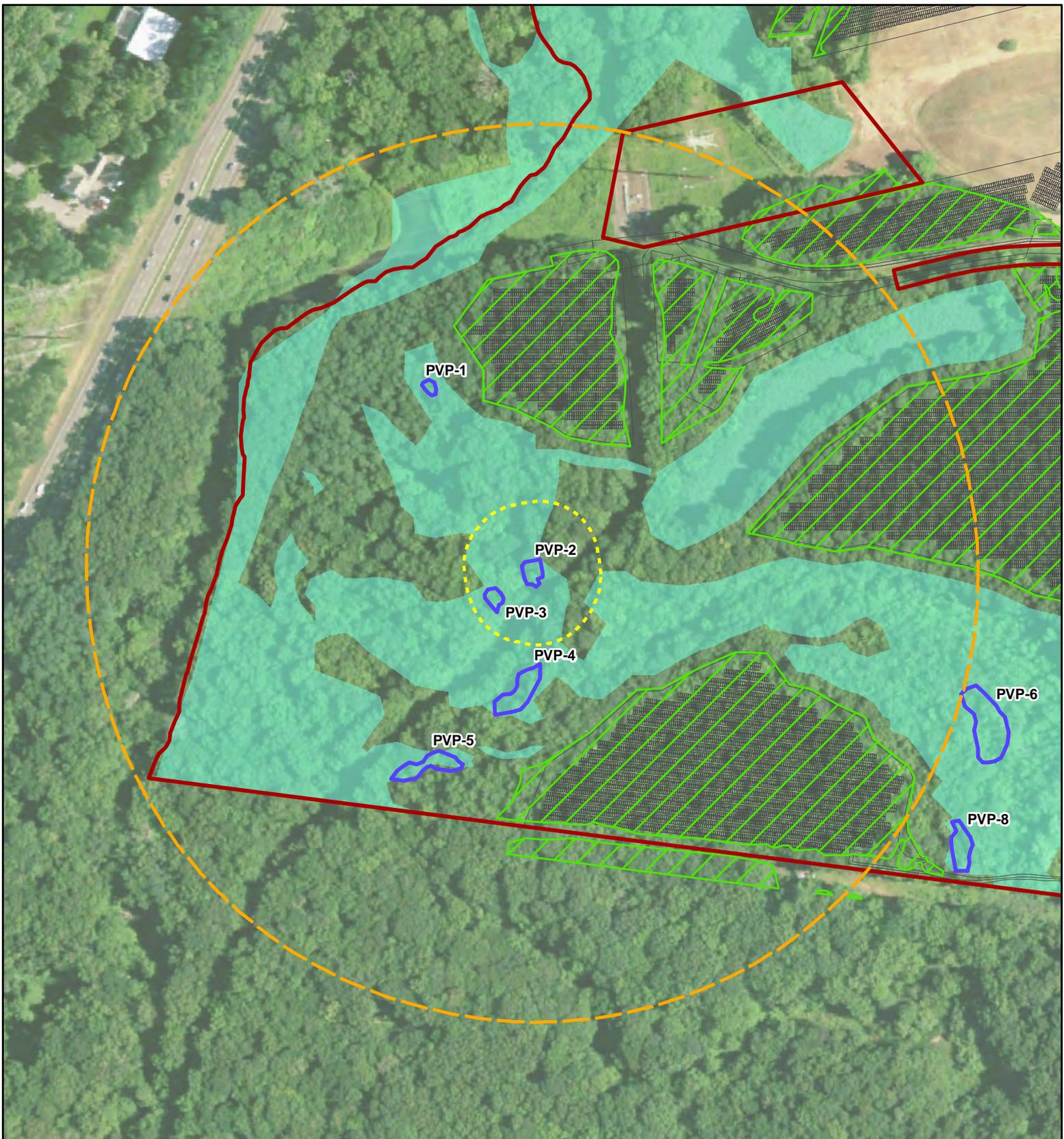


- Project Area
- Potential Vernal Pool Habitat
- Vernal Pool Envelope (100-foot buffer)
- Critical Terrestrial Habitat (750-foot buffer)
- Delineated Wetland
- Proposed Tree Clearing

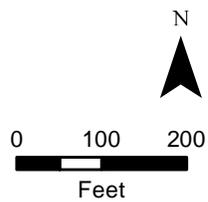


**PVP-1**

Wallingford Renewable Energy Solar Project  
Wallingford, CT

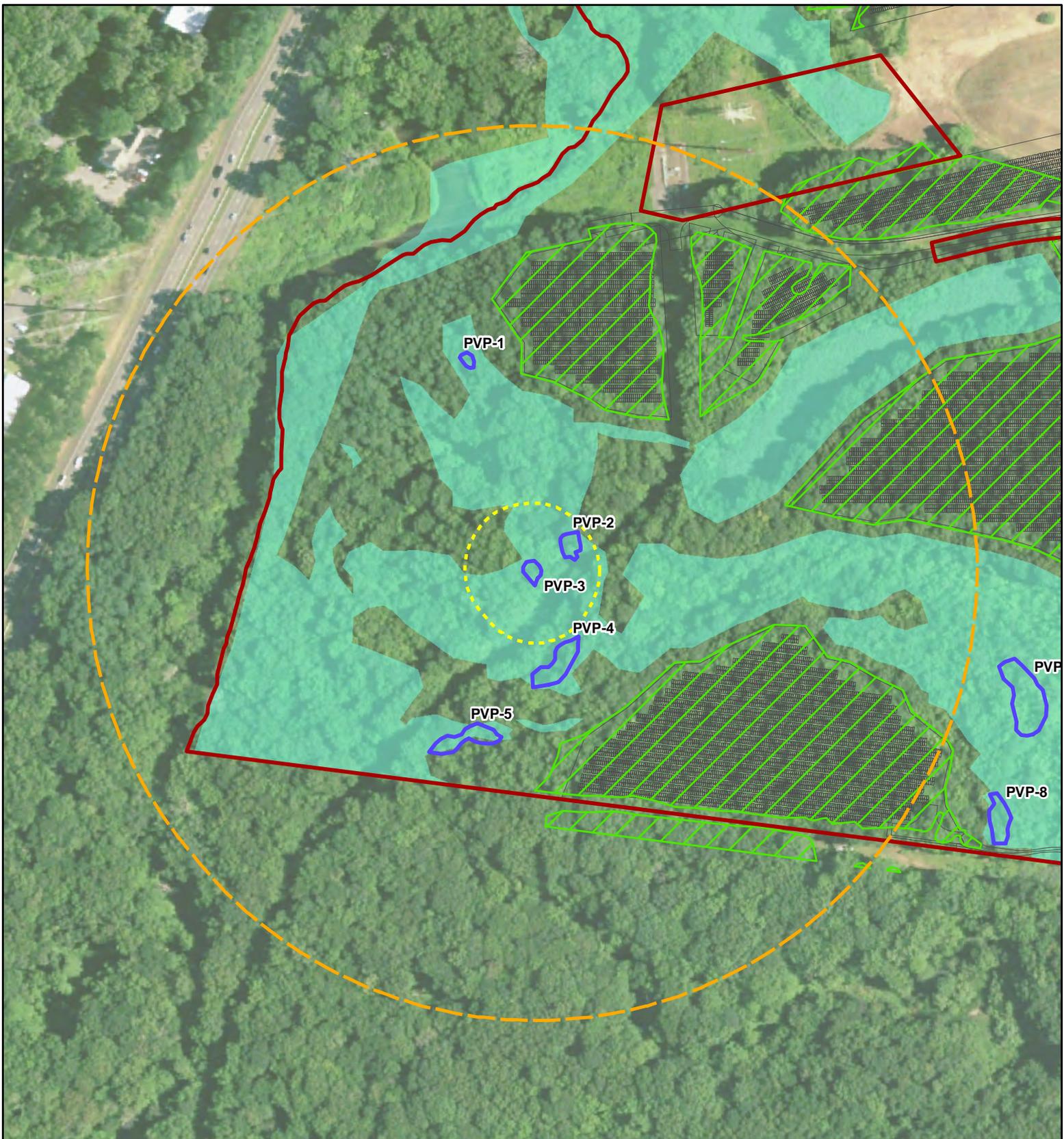


- Project Area
- Potential Vernal Pool Habitat
- Vernal Pool Envelope (100-foot buffer)
- Critical Terrestrial Habitat (750-foot buffer)
- Delineated Wetland
- Proposed Tree Clearing

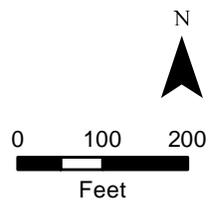


## PVP-2

Wallingford Renewable Energy Solar Project  
Wallingford, CT

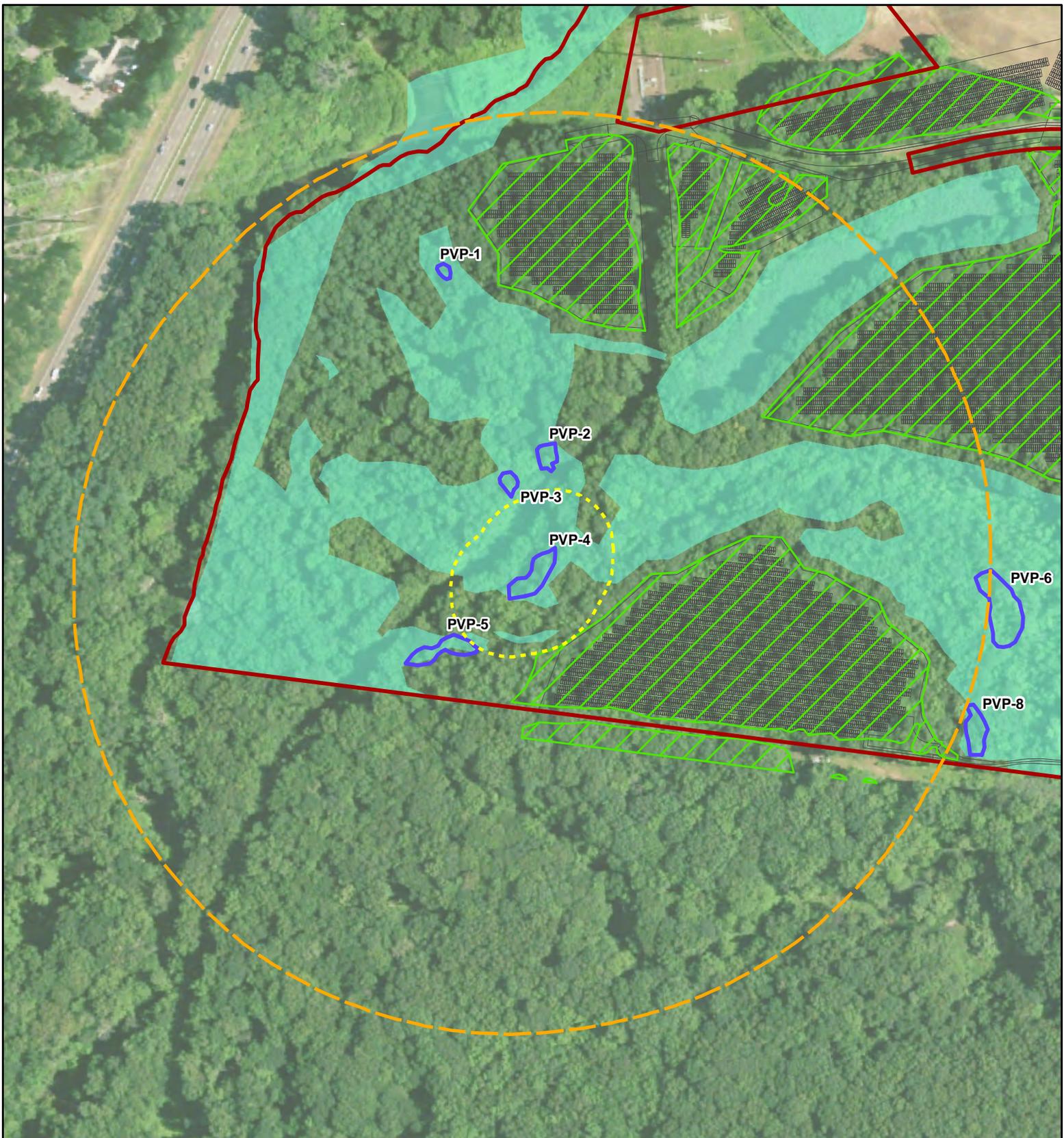


- Project Area
- Potential Vernal Pool Habitat
- Vernal Pool Envelope (100-foot buffer)
- Critical Terrestrial Habitat (750-foot buffer)
- Delineated Wetland
- Proposed Tree Clearing

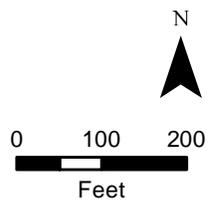


### PVP-3

Wallingford Renewable Energy Solar Project  
Wallingford, CT

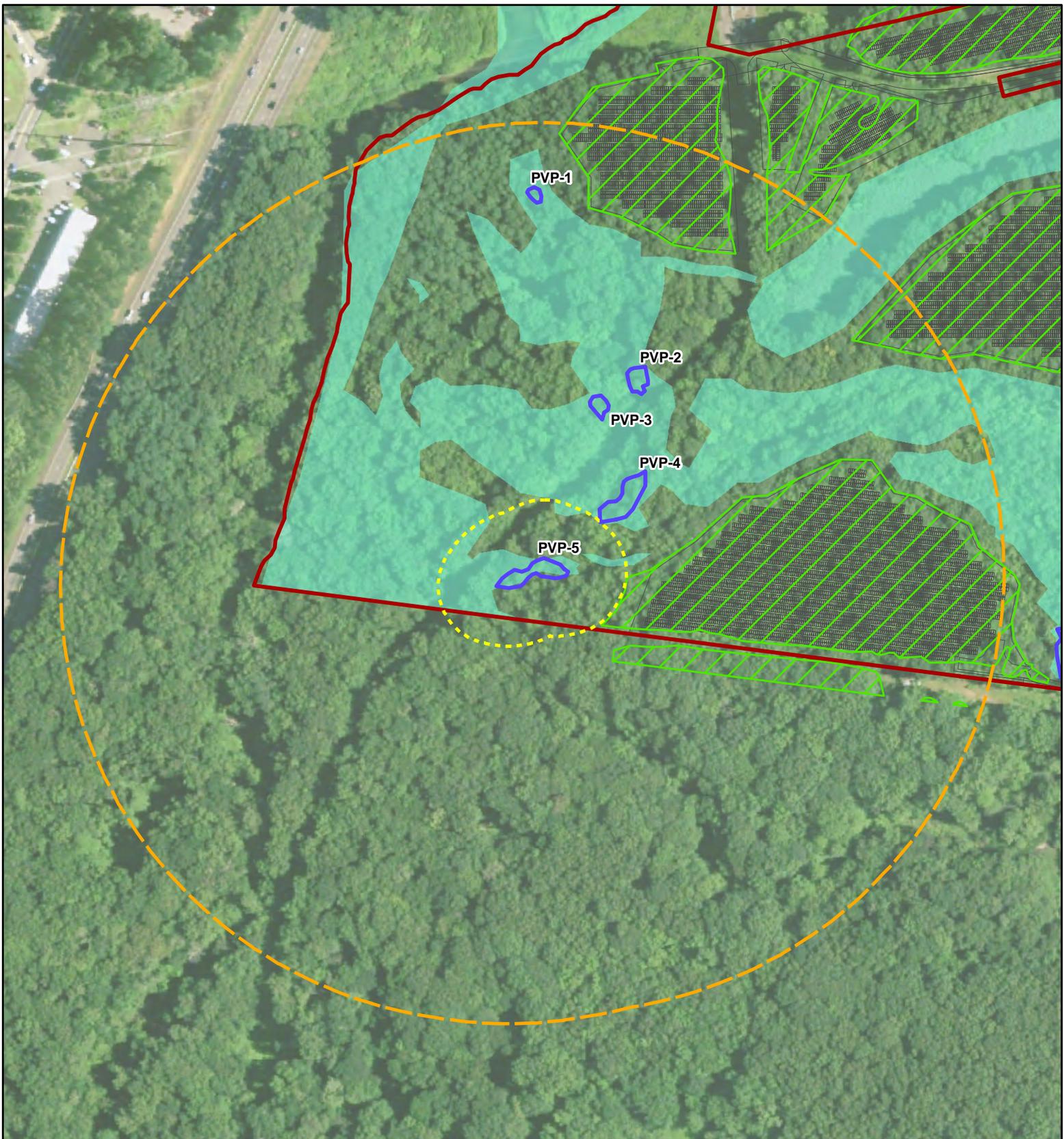


- Project Area
- Potential Vernal Pool Habitat
- Vernal Pool Envelope (100-foot buffer)
- Critical Terrestrial Habitat (750-foot buffer)
- Delineated Wetland
- Proposed Tree Clearing

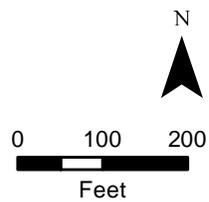


### PVP-4

Wallingford Renewable Energy Solar Project  
Wallingford, CT

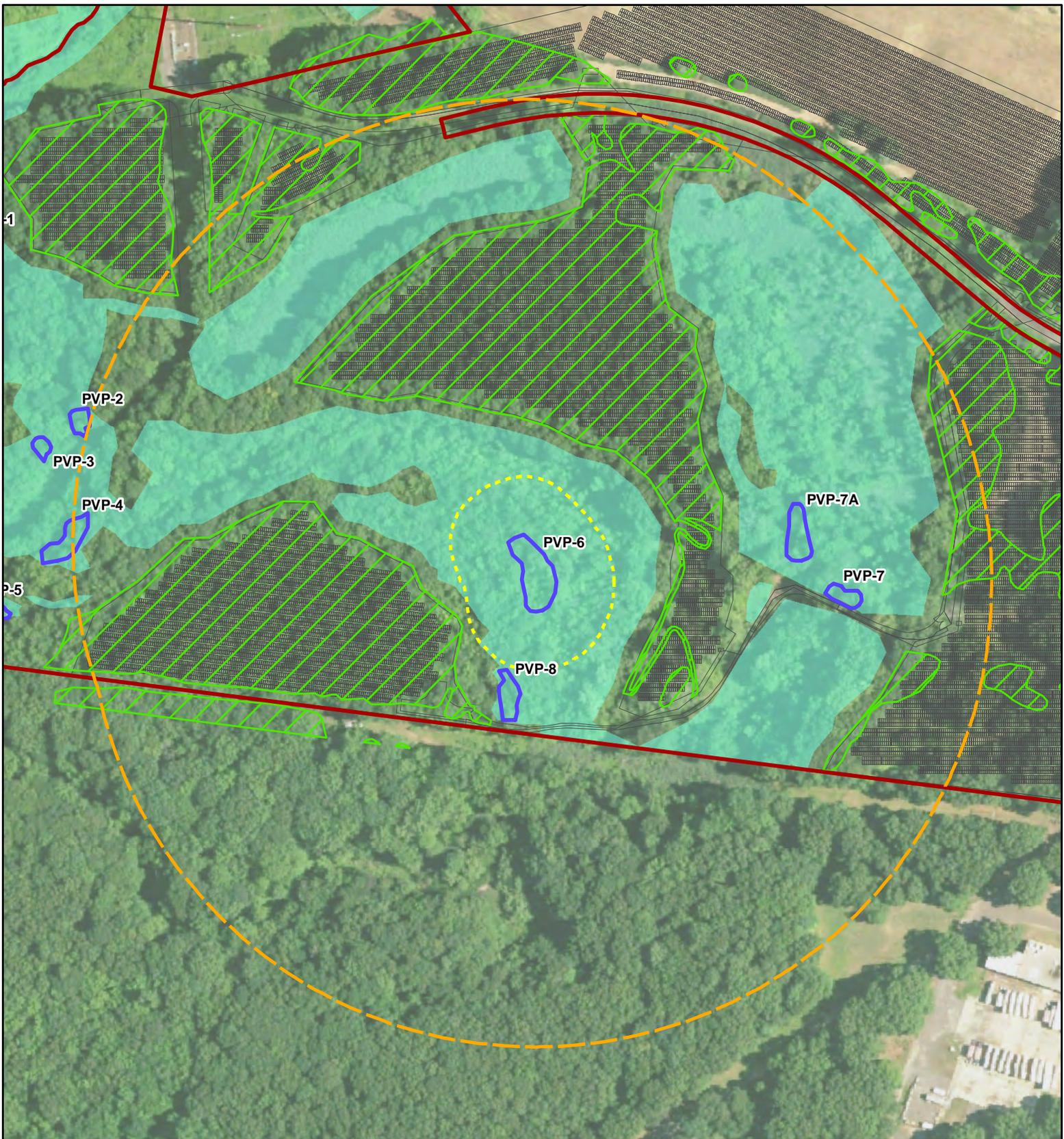


- Project Area
- Potential Vernal Pool Habitat
- Vernal Pool Envelope (100-foot buffer)
- Critical Terrestrial Habitat (750-foot buffer)
- Delineated Wetland
- Proposed Tree Clearing

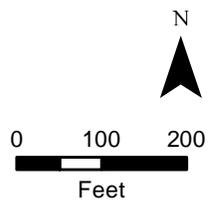


**PVP-5**

Wallingford Renewable Energy Solar Project  
Wallingford, CT

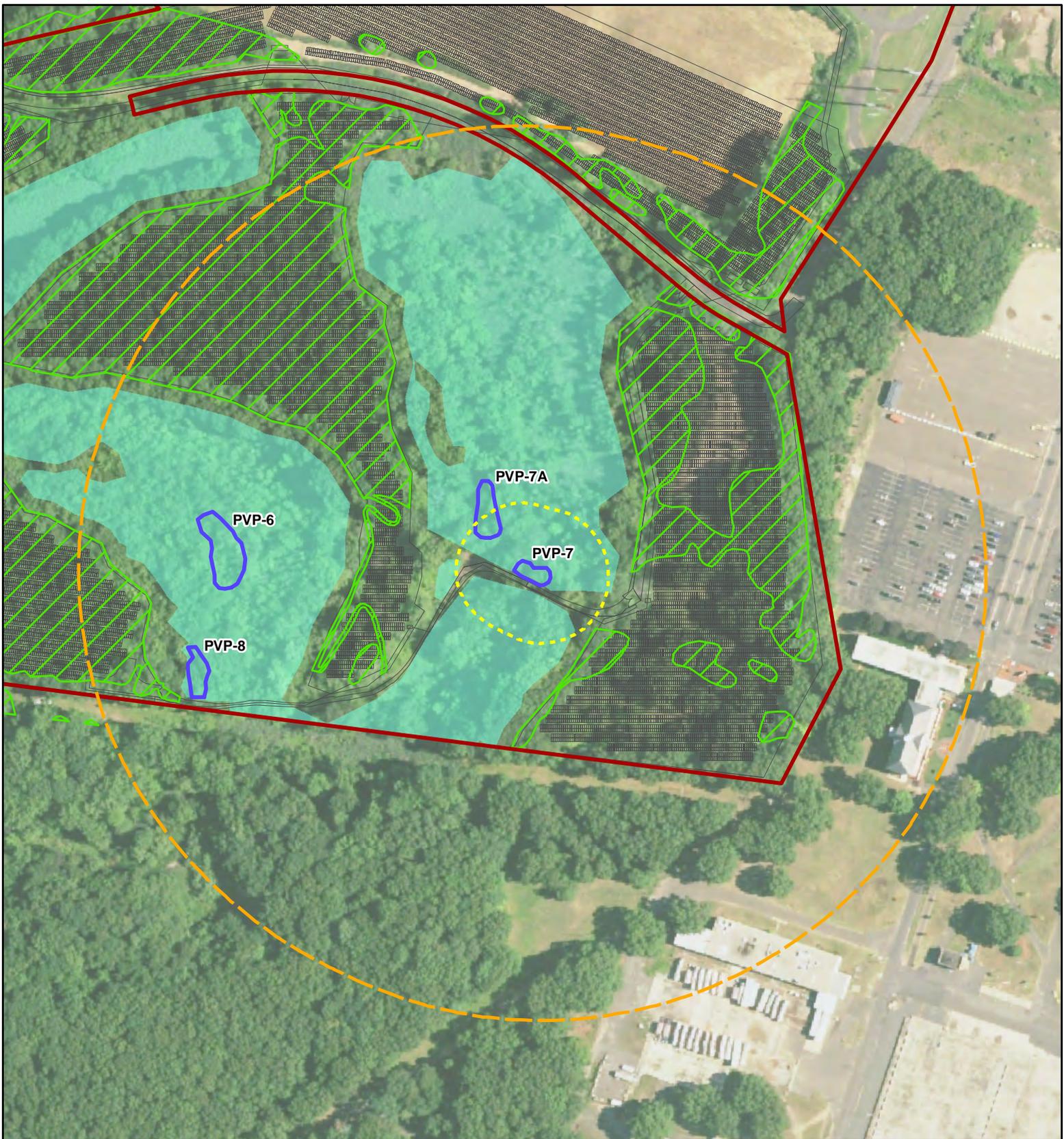


- Project Area
- Potential Vernal Pool Habitat
- Vernal Pool Envelope (100-foot buffer)
- Critical Terrestrial Habitat (750-foot buffer)
- Delineated Wetland
- Proposed Tree Clearing

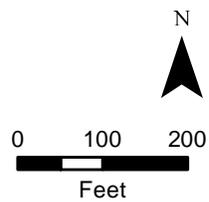


### PVP-6

Wallingford Renewable Energy Solar Project  
Wallingford, CT



- Project Area
- Potential Vernal Pool Habitat
- Vernal Pool Envelope (100-foot buffer)
- Critical Terrestrial Habitat (750-foot buffer)
- Delineated Wetland
- Proposed Tree Clearing

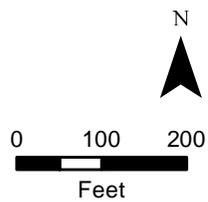


## PVP-7

Wallingford Renewable Energy Solar Project  
Wallingford, CT

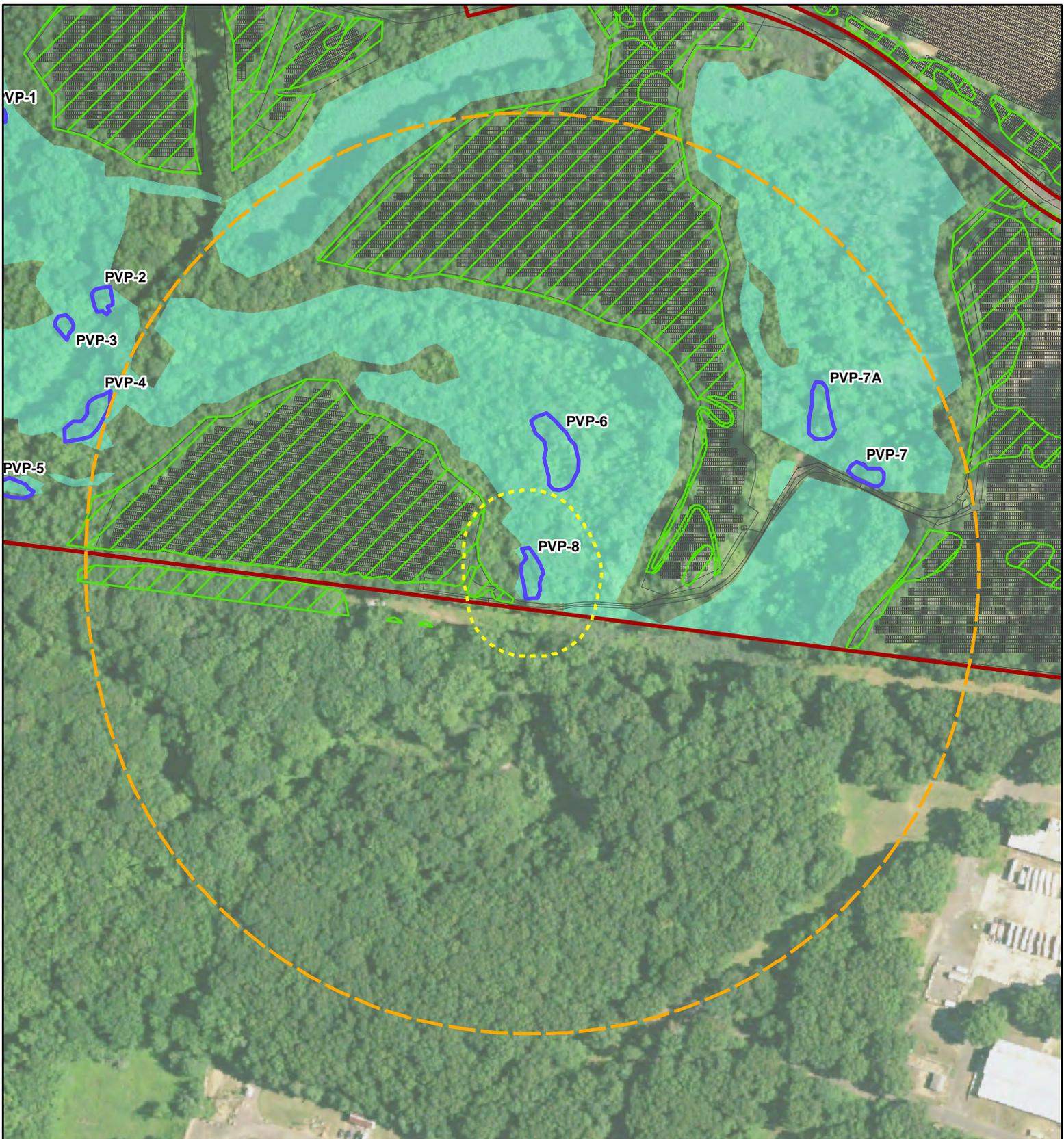


- Project Area
- Potential Vernal Pool Habitat
- Vernal Pool Envelope (100-foot buffer)
- Critical Terrestrial Habitat (750-foot buffer)
- Delineated Wetland
- Proposed Tree Clearing

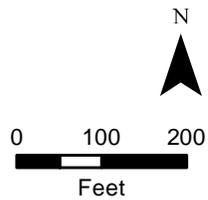


## PVP-7A

Wallingford Renewable Energy Solar Project  
Wallingford, CT



- Project Area
- Potential Vernal Pool Habitat
- Vernal Pool Envelope (100-foot buffer)
- Critical Terrestrial Habitat (750-foot buffer)
- Delineated Wetland
- Proposed Tree Clearing



### PVP-8

Wallingford Renewable Energy Solar Project  
Wallingford, CT