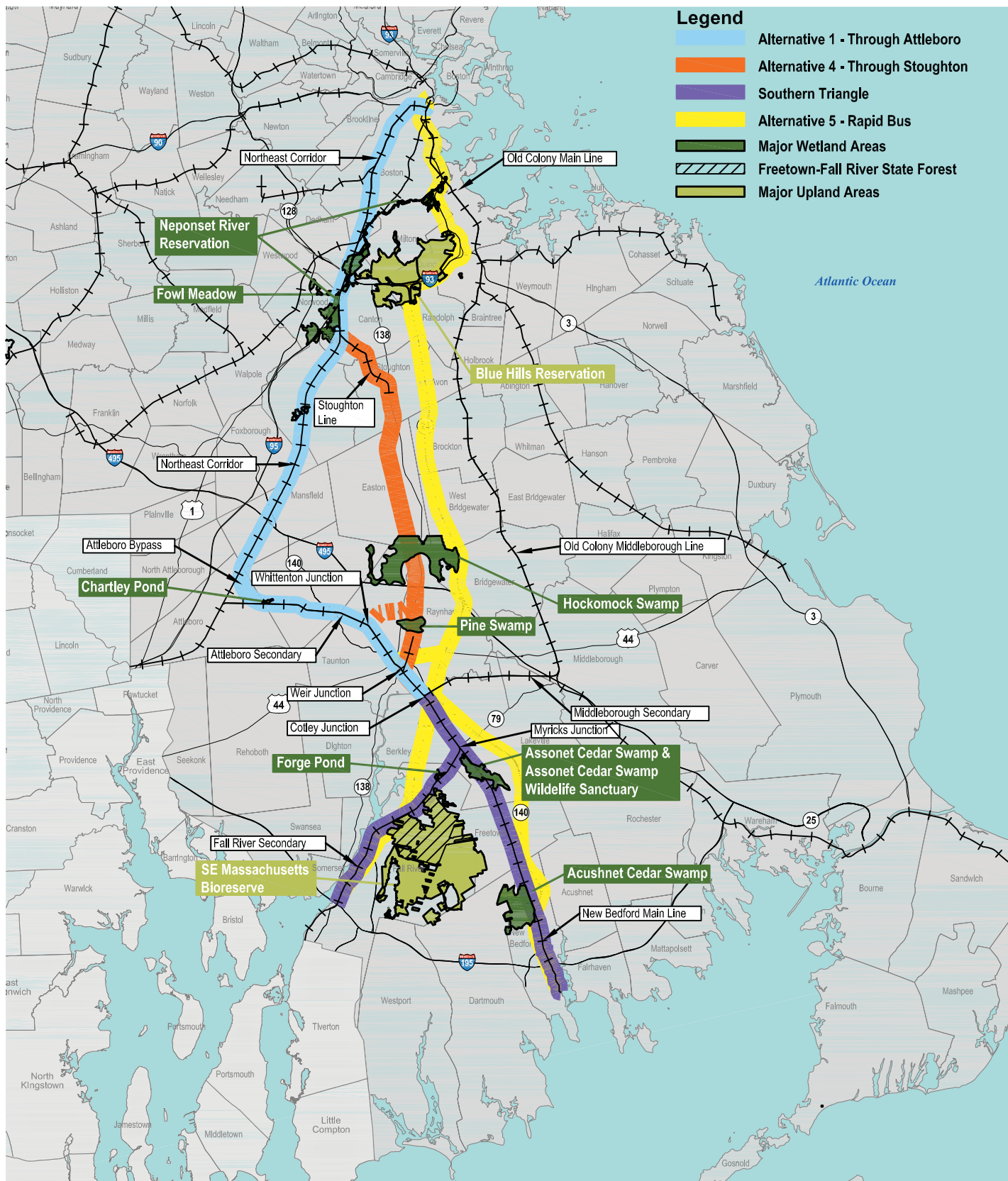


Figure 4.14-1

Major Open Space Areas

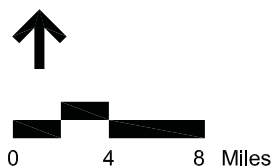
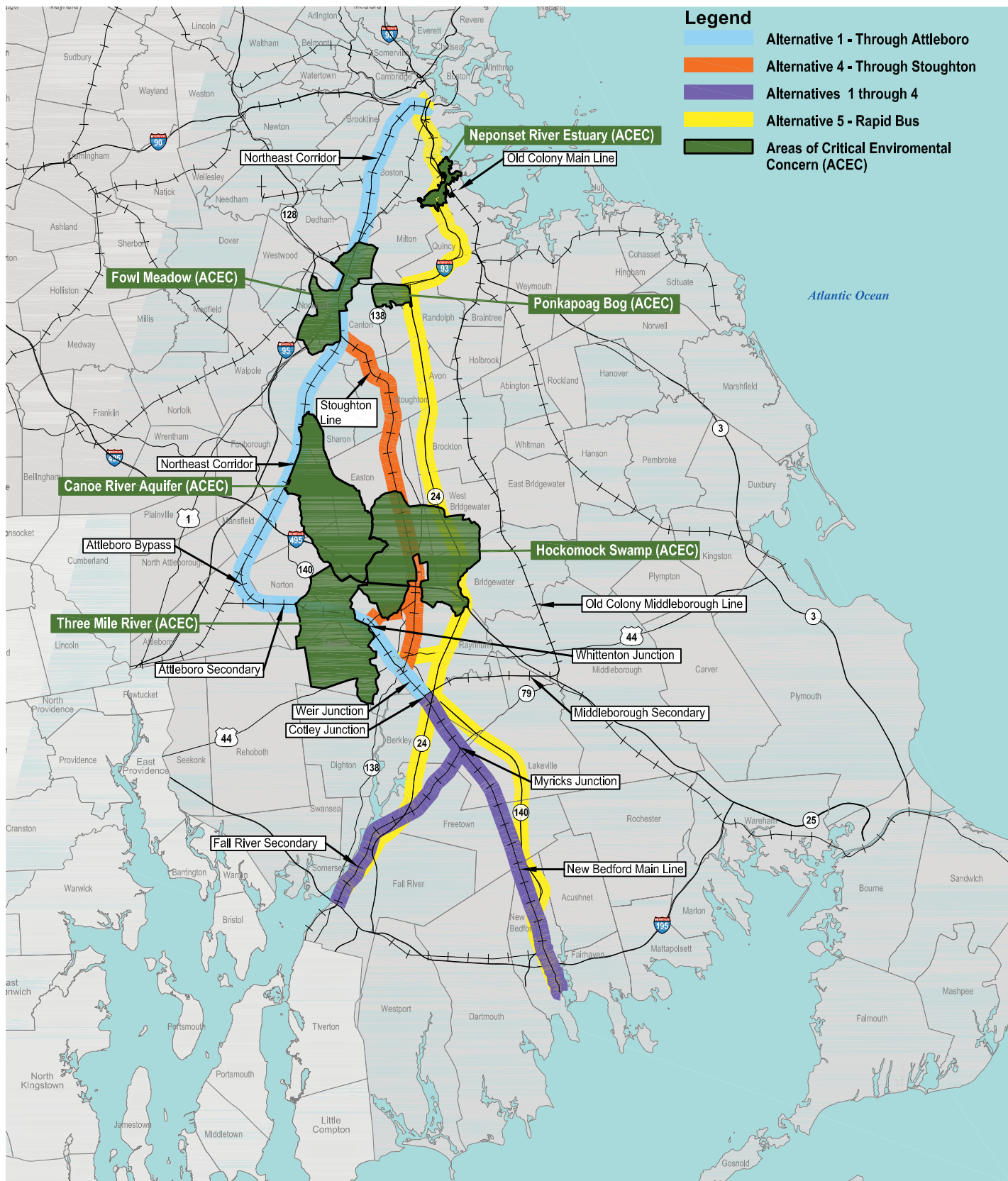


Figure 4.14-2

Areas of Critical Environmental Concern (ACECs)



Legend

- MBTA Commuter Rail Station
- MBTA Commuter Rail
- Town Boundaries
- Area of Critical Environmental Concern (ACEC)
- Proposed Alternative Alignment
- Limit of Work for Proposed Station/ Layover Facility
- Limit of Permanent Impact for Proposed Rail
- Traction Power Station*
- Open Water
- Wetlands
- Protected Open Space
- Southeast Massachusetts BioReserve
- Biodiversity Impact - Edge Effects
- Biodiversity Impact - Interior Effects
- NHESP BioMap Core Habitat
- NHESP Living Waters Core Habitat
- NHESP Certified Vernal Pools
- NHESP Potential Vernal Pools
- SCR Identified Vernal Pools (Field Verified)
- # Vernal Pool ID

* Traction power stations are only required for electric rail alternative

Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

Index Map

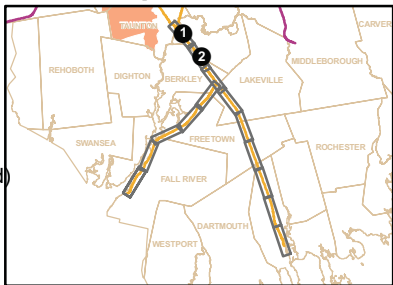
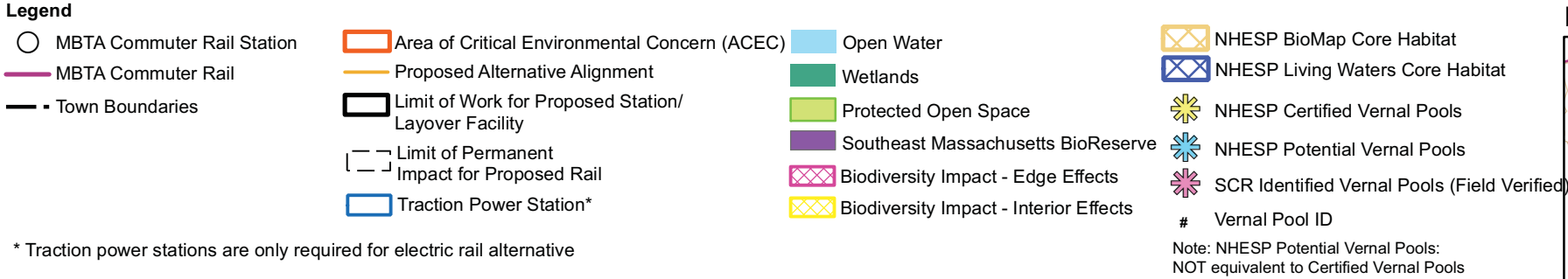
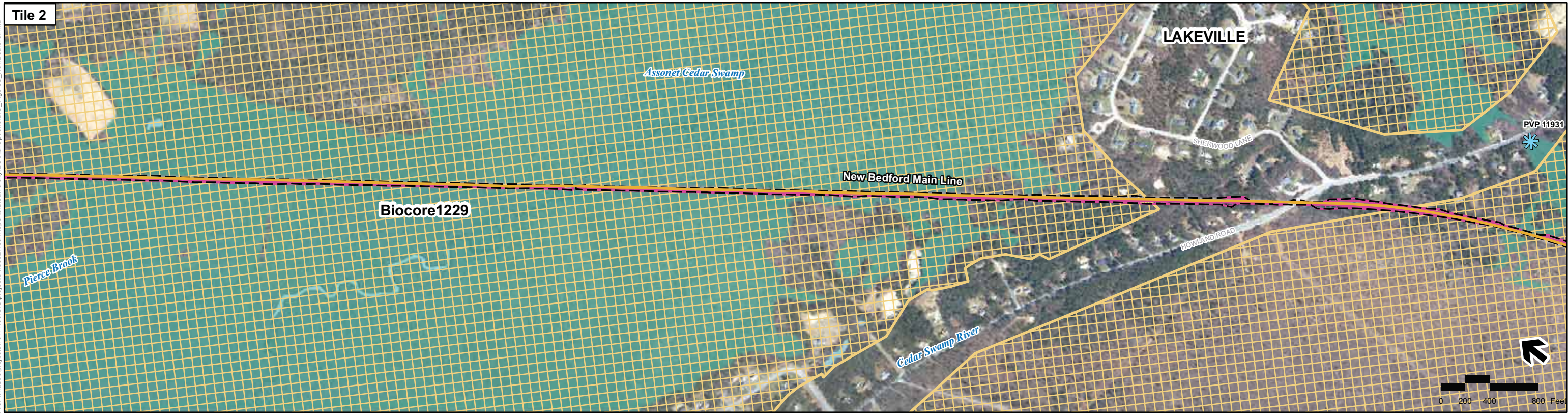


Figure 4.14-3a

All Rail Alternatives -
New Bedford Main Line

Biodiversity Impacts



Index Map

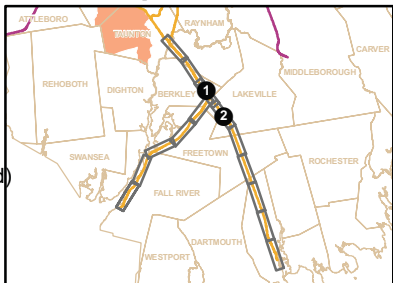


Figure 4.14-3b

All Rail Alternatives -
New Bedford Main Line

Biodiversity Impacts



Legend

○ MBTA Commuter Rail Station	Area of Critical Environmental Concern (ACEC)	Open Water	NHESP BioMap Core Habitat
— MBTA Commuter Rail	Proposed Alternative Alignment	Wetlands	NHESP Living Waters Core Habitat
— Town Boundaries	Limit of Work for Proposed Station/Layover Facility	Protected Open Space	NHESP Certified Vernal Pools
	Limit of Permanent Impact for Proposed Rail	Southeast Massachusetts BioReserve	NHESP Potential Vernal Pools
	Traction Power Station*	Biodiversity Impact - Edge Effects	SCR Identified Vernal Pools (Field Verified)
		Biodiversity Impact - Interior Effects	# Vernal Pool ID

* Traction power stations are only required for electric rail alternative

Note: NHESP Potential Vernal Pools:
NOT equivalent to Certified Vernal Pools

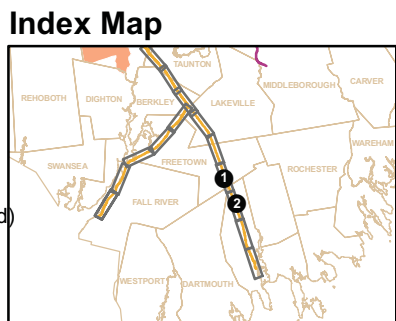
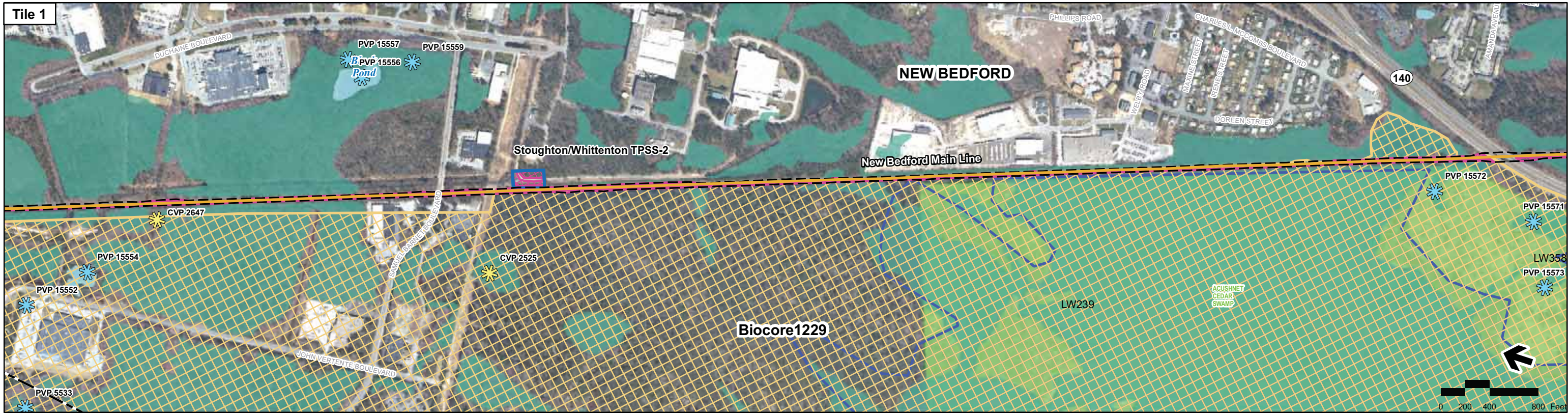


Figure 4.14-3c

All Rail Alternatives -
New Bedford Main Line

Biodiversity Impacts



Legend

- MBTA Commuter Rail Station
- MBTA Commuter Rail
- Town Boundaries
- Area of Critical Environmental Concern (ACEC)
- Proposed Alternative Alignment
- Limit of Work for Proposed Station/ Layover Facility
- Limit of Permanent Impact for Proposed Rail
- Traction Power Station*
- Open Water
- Wetlands
- Protected Open Space
- Southeast Massachusetts BioReserve
- Biodiversity Impact - Edge Effects
- Biodiversity Impact - Interior Effects
- NHESP BioMap Core Habitat
- NHESP Living Waters Core Habitat
- NHESP Certified Vernal Pools
- NHESP Potential Vernal Pools
- SCR Identified Vernal Pools (Field Verified)
- # Vernal Pool ID

Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

* Traction power stations are only required for electric rail alternative

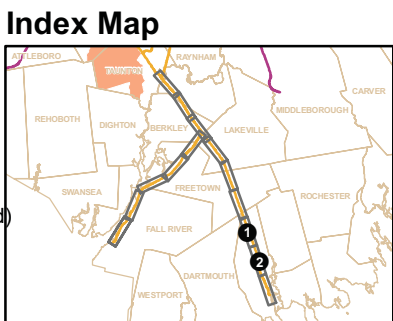


Figure 4.14-3d

All Rail Alternatives -
New Bedford Main Line

Biodiversity Impacts



Printing Date: 7/22/2009
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Legend

- MBTA Commuter Rail Station
- MBTA Commuter Rail
- Town Boundaries
- Area of Critical Environmental Concern (ACEC)
- Proposed Alternative Alignment
- Limit of Work for Proposed Station/Layover Facility
- Limit of Permanent Impact for Proposed Rail
- Traction Power Station*
- Open Water
- Wetlands
- Protected Open Space
- Southeast Massachusetts BioReserve
- Biodiversity Impact - Edge Effects
- Biodiversity Impact - Interior Effects
- NHESP BioMap Core Habitat
- NHESP Living Waters Core Habitat
- NHESP Certified Vernal Pools
- NHESP Potential Vernal Pools
- SCR Identified Vernal Pools (Field Verified)
- # Vernal Pool ID

* Traction power stations are only required for electric rail alternative

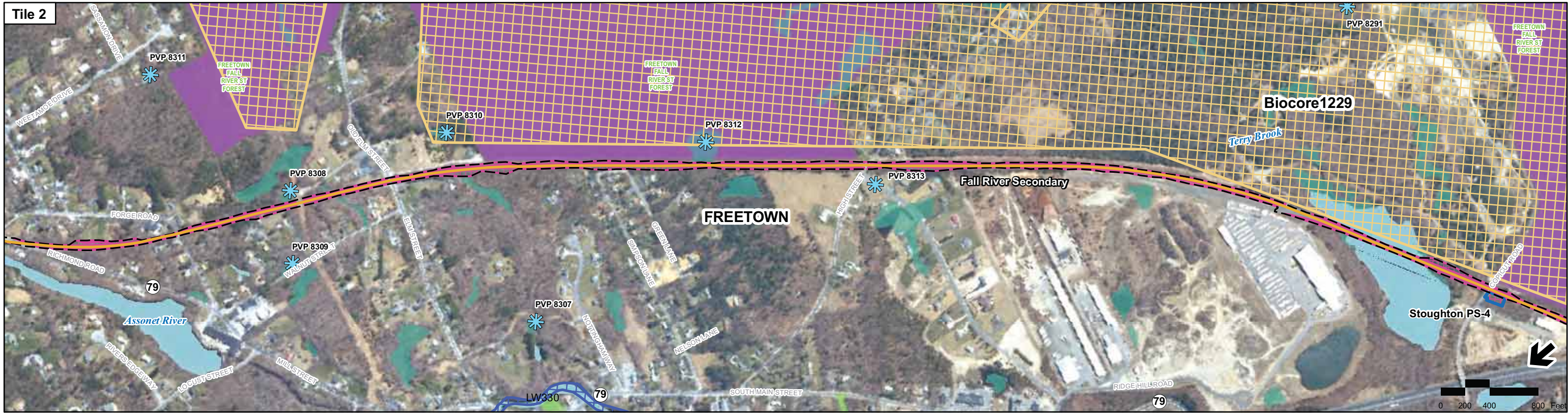
Index Map



Figure 4.14-3e

All Rail Alternatives -
 New Bedford Main Line

Biodiversity Impacts



Legend

- MBTA Commuter Rail Station
- MBTA Commuter Rail
- Town Boundaries
- Area of Critical Environmental Concern (ACEC)
- Proposed Alternative Alignment
- Limit of Work for Proposed Station/ Layover Facility
- Limit of Permanent Impact for Proposed Rail
- Traction Power Station*
- Open Water
- Wetlands
- Protected Open Space
- Southeast Massachusetts BioReserve
- Biodiversity Impact - Edge Effects
- Biodiversity Impact - Interior Effects
- NHESP BioMap Core Habitat
- NHESP Living Waters Core Habitat
- NHESP Certified Vernal Pools
- NHESP Potential Vernal Pools
- SCR Identified Vernal Pools (Field Verified)
- # Vernal Pool ID

Note: NHESP Potential Vernal Pools:
NOT equivalent to Certified Vernal Pools

Index Map

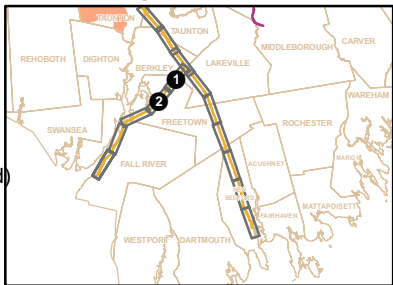
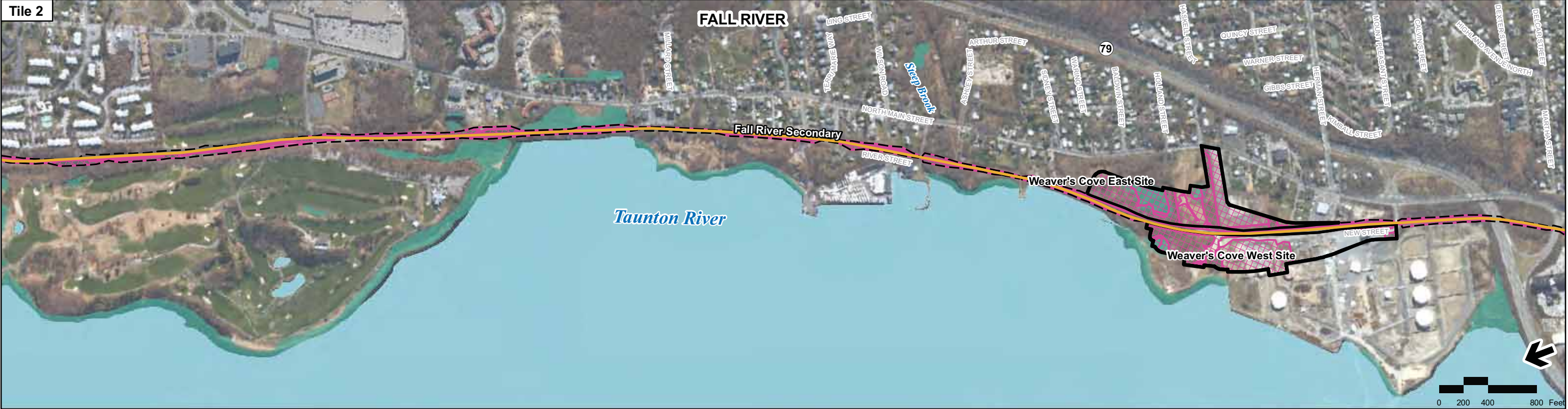


Figure 4.14-4a

All Rail Alternatives -
Fall River Secondary

Biodiversity Impacts



Legend

○ MBTA Commuter Rail Station	Area of Critical Environmental Concern (ACEC)	Open Water	NHESP BioMap Core Habitat
— MBTA Commuter Rail	Proposed Alternative Alignment	Wetlands	NHESP Living Waters Core Habitat
— Town Boundaries	Limit of Work for Proposed Station/ Layover Facility	Protected Open Space	NHESP Certified Vernal Pools
	Limit of Permanent Impact for Proposed Rail	Southeast Massachusetts BioReserve	NHESP Potential Vernal Pools
	Traction Power Station*	Biodiversity Impact - Edge Effects	SCR Identified Vernal Pools (Field Verified)
		Biodiversity Impact - Interior Effects	# Vernal Pool ID

* Traction power stations are only required for electric rail alternative

Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

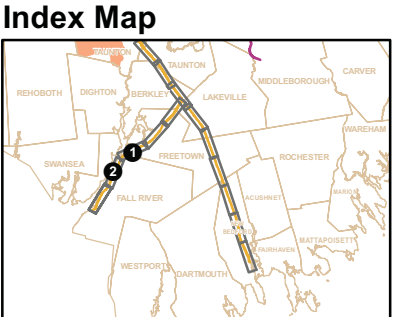


Figure 4.14-4b

All Rail Alternatives -
Fall River Secondary

Biodiversity Impacts



Printing Date: 7/22/2009
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Legend

- MBTA Commuter Rail Station
- MBTA Commuter Rail
- Town Boundaries
- Area of Critical Environmental Concern (ACEC)
- Proposed Alternative Alignment
- Limit of Work for Proposed Station/Layover Facility
- Limit of Permanent Impact for Proposed Rail
- Traction Power Station*
- Open Water
- Wetlands
- Protected Open Space
- Southeast Massachusetts BioReserve
- Biodiversity Impact - Edge Effects
- Biodiversity Impact - Interior Effects
- NHESP BioMap Core Habitat
- NHESP Living Waters Core Habitat
- NHESP Certified Vernal Pools
- NHESP Potential Vernal Pools
- SCR Identified Vernal Pools (Field Verified)
- # Vernal Pool ID

* Traction power stations are only required for electric rail alternative

Index Map

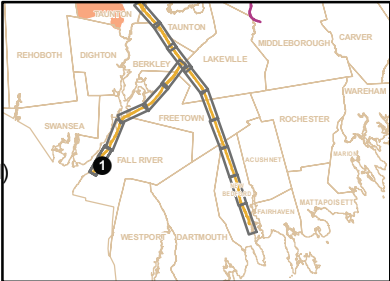
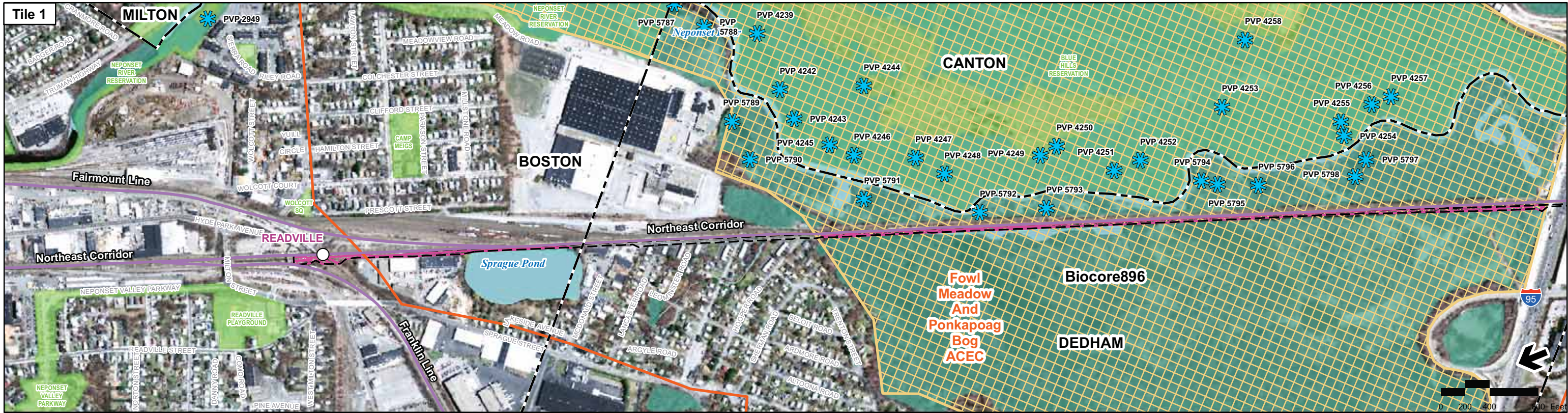


Figure 4.14-4c

All Rail Alternatives -
 Fall River Secondary

Biodiversity Impacts



- Legend**
- MBTA Commuter Rail Station
 - MBTA Commuter Rail
 - Town Boundaries
 - Area of Critical Environmental Concern (ACEC)
 - Proposed Alternative Alignment
 - Limit of Work for Proposed Station/Layover Facility
 - Limit of Permanent Impact for Proposed Rail
 - Traction Power Station*
 - Open Water
 - Wetlands
 - Protected Open Space
 - Southeast Massachusetts BioReserve
 - Biodiversity Impact - Edge Effects
 - Biodiversity Impact - Interior Effects
 - NHESP BioMap Core Habitat
 - NHESP Living Waters Core Habitat
 - NHESP Certified Vernal Pools
 - NHESP Potential Vernal Pools
 - SCR Identified Vernal Pools (Field Verified)
 - # Vernal Pool ID

* Traction power stations are only required for electric rail alternative

Index Map

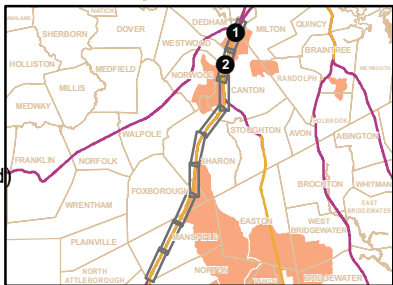


Figure 4.14-5a

Attleboro Alternatives -
Northeast Corridor

Biodiversity Impacts

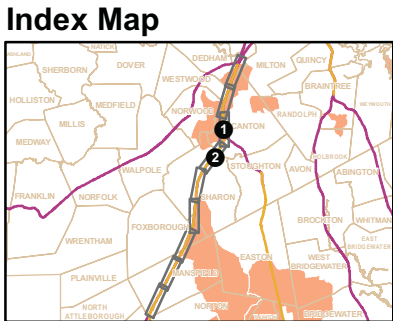
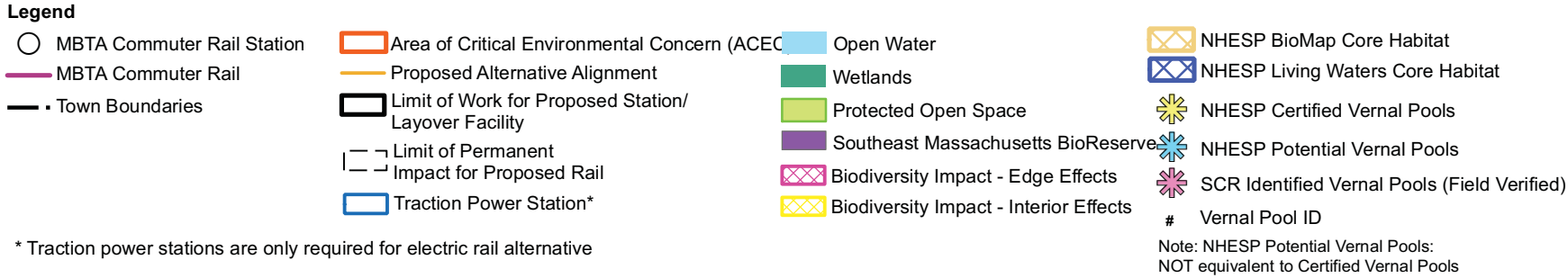
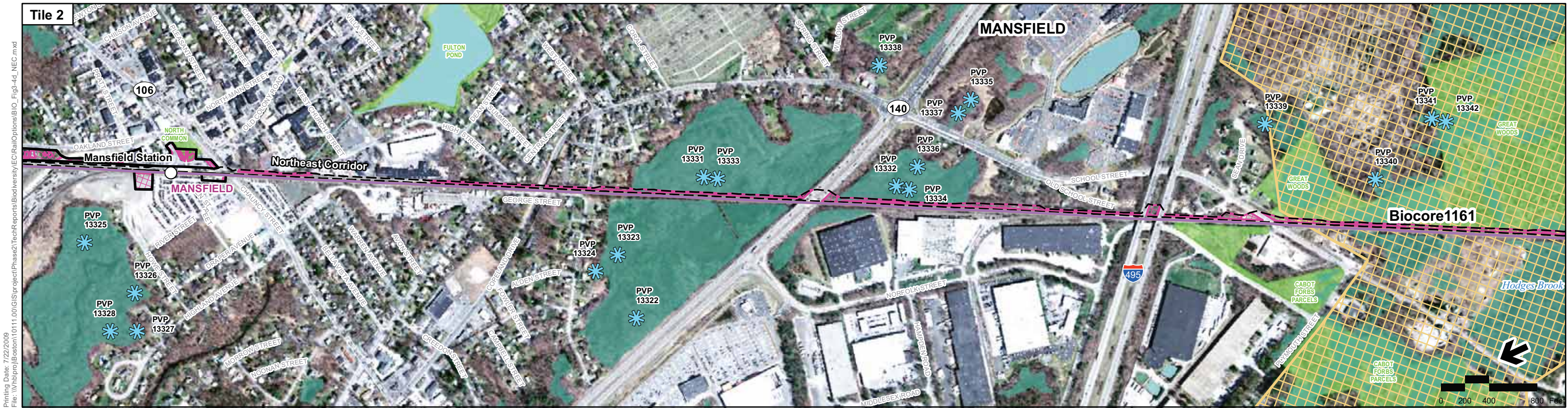


Figure 4.14-5b

Attleboro Alternatives - Northeast Corridor

Biodiversity Impacts



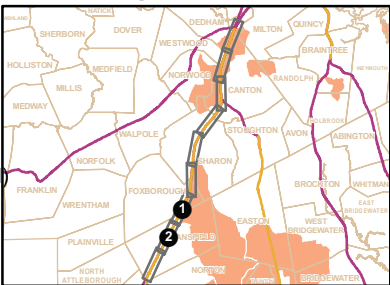
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Legend

- | | | | |
|------------------------------|---|--|--|
| ○ MBTA Commuter Rail Station | Area of Critical Environmental Concern (ACEC) | Open Water | NHESP BioMap Core Habitat |
| — MBTA Commuter Rail | Proposed Alternative Alignment | Wetlands | NHESP Living Waters Core Habitat |
| — Town Boundaries | Limit of Work for Proposed Station/
Layover Facility | Protected Open Space | NHESP Certified Vernal Pools |
| | Limit of Permanent Impact for Proposed Rail | Southeast Massachusetts BioReserve | NHESP Potential Vernal Pools |
| | Traction Power Station* | Biodiversity Impact - Edge Effects | SCR Identified Vernal Pools (Field Verified) |
| | | Biodiversity Impact - Interior Effects | # Vernal Pool ID |

* Traction power stations are only required for electric rail alternative

Index Map



Note: NHESP Potential Vernal Pools:
NOT equivalent to Certified Vernal Pools

Figure 4.14-5d

Attleboro Alternatives -
Northeast Corridor

Biodiversity Impacts



Printing Date: 7/22/2009
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Legend

○ MBTA Commuter Rail Station

— MBTA Commuter Rail

— Town Boundaries

Area of Critical Environmental Concern (ACEC)

Proposed Alternative Alignment

Limit of Work for Proposed Station/ Layover Facility

Limit of Permanent Impact for Proposed Rail

Traction Power Station*

Open Water

Wetlands

Protected Open Space

Southeast Massachusetts BioReserve

Biodiversity Impact - Edge Effects

Biodiversity Impact - Interior Effects

NHESP BioMap Core Habitat

NHESP Living Waters Core Habitat

NHESP Certified Vernal Pools

NHESP Potential Vernal Pools

SCR Identified Vernal Pools (Field Verified)

Vernal Pool ID

Note: NHESP Potential Vernal Pools:
NOT equivalent to Certified Vernal Pools

* Traction power stations are only required for electric rail alternative

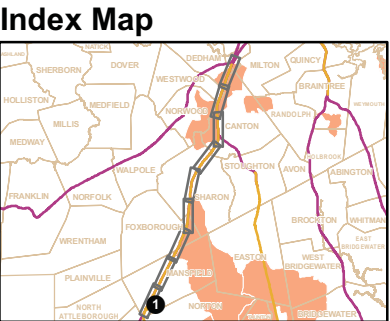
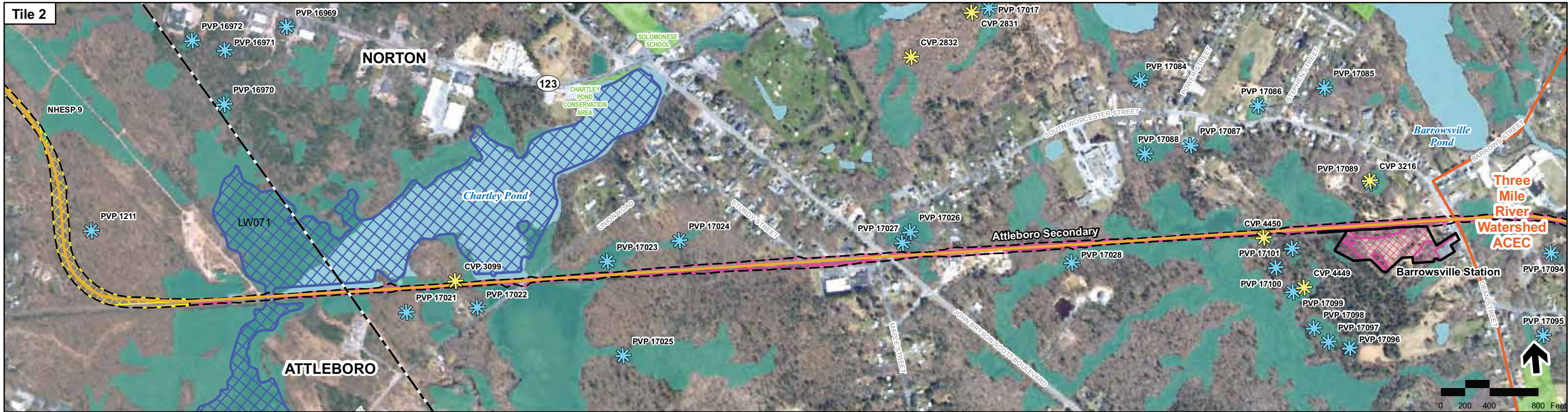


Figure 4.14-5e

Attleboro Alternatives -
Northeast Corridor

Biodiversity Impacts



Legend

- MBTA Commuter Rail Station
- MBTA Commuter Rail
- Town Boundaries
- Area of Critical Environmental Concern (ACEC)
- Proposed Alternative Alignment
- Limit of Work for Proposed Station/Layover Facility
- Limit of Permanent Impact for Proposed Rail
- Traction Power Station*
- Open Water
- Wetlands
- Protected Open Space
- Southeast Massachusetts BioReserve
- Biodiversity Impact - Edge Effects
- Biodiversity Impact - Interior Effects
- NHESP BioMap Core Habitat
- NHESP Living Waters Core Habitat
- NHESP Certified Vernal Pools
- NHESP Potential Vernal Pools
- SCR Identified Vernal Pools (Field Verified)
- # Vernal Pool ID

* Traction power stations are only required for electric rail alternative

Index Map

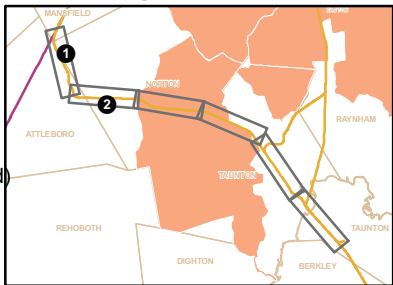
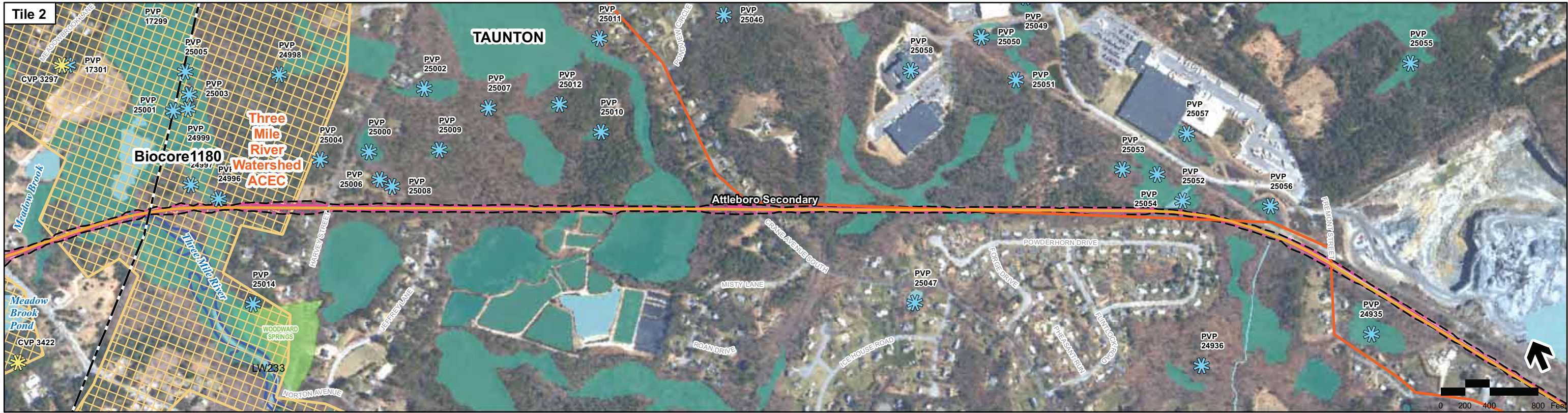
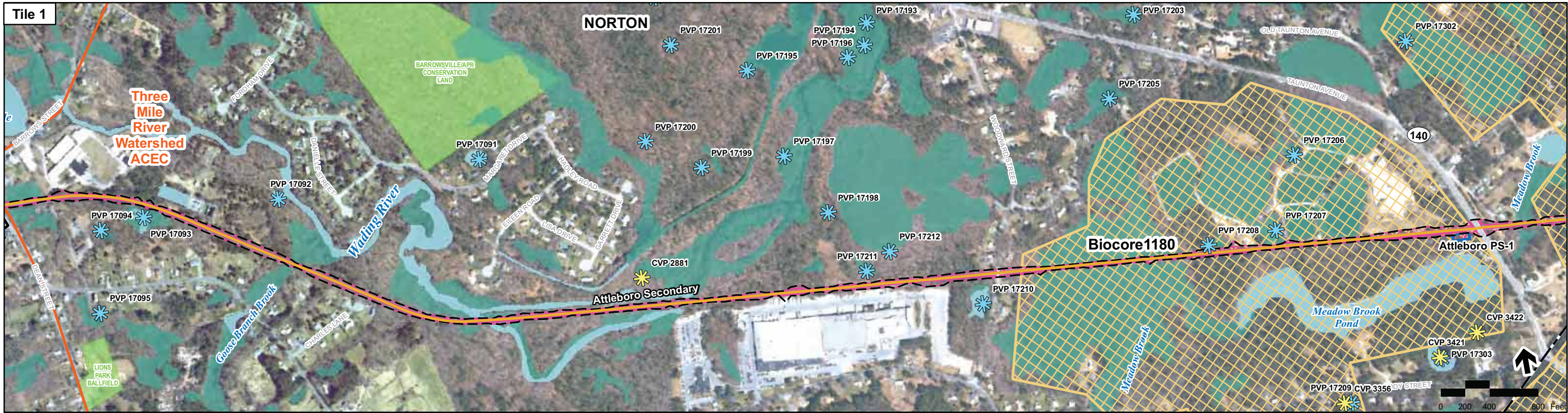


Figure 4.14-6a

Attleboro Alternatives -
Attleboro Bypass and
Attleboro Secondary

Biodiversity Impacts



Legend

- MBTA Commuter Rail Station
- MBTA Commuter Rail
- Town Boundaries
- Area of Critical Environmental Concern (ACEC)
- Proposed Alternative Alignment
- Limit of Work for Proposed Station/Layover Facility
- Limit of Permanent Impact for Proposed Rail
- Traction Power Station*
- Open Water
- Wetlands
- Protected Open Space
- Southeast Massachusetts BioReserve
- Biodiversity Impact - Edge Effects
- Biodiversity Impact - Interior Effects
- NHESP BioMap Core Habitat
- NHESP Living Waters Core Habitat
- NHESP Certified Vernal Pools
- NHESP Potential Vernal Pools
- SCR Identified Vernal Pools (Field Verified)
- # Vernal Pool ID

* Traction power stations are only required for electric rail alternative

Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

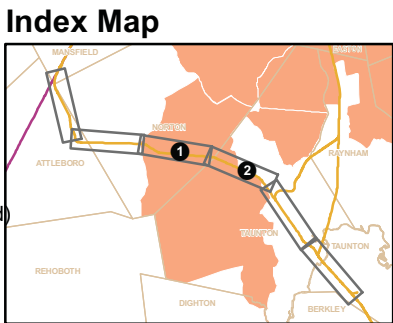
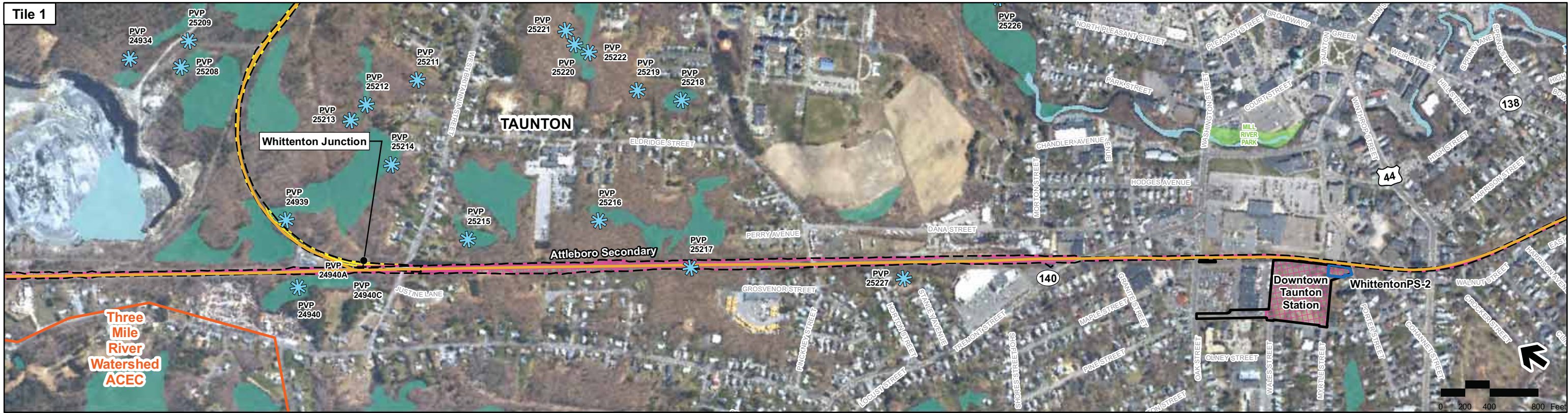


Figure 4.14-6b

Attleboro Alternatives -
Attleboro Bypass and
Attleboro Secondary

Biodiversity Impacts



Legend

- MBTA Commuter Rail Station
- MBTA Commuter Rail
- Town Boundaries
- Area of Critical Environmental Concern (ACEC)
- Proposed Alternative Alignment
- Limit of Work for Proposed Station/Layover Facility
- Limit of Permanent Impact for Proposed Rail
- Traction Power Station*
- Open Water
- Wetlands
- Protected Open Space
- Southeast Massachusetts BioReserve
- Biodiversity Impact - Edge Effects
- Biodiversity Impact - Interior Effects
- NHESP BioMap Core Habitat
- NHESP Living Waters Core Habitat
- NHESP Certified Vernal Pools
- NHESP Potential Vernal Pools
- SCR Identified Vernal Pools (Field Verified)
- # Vernal Pool ID

* Traction power stations are only required for electric rail alternative

Index Map

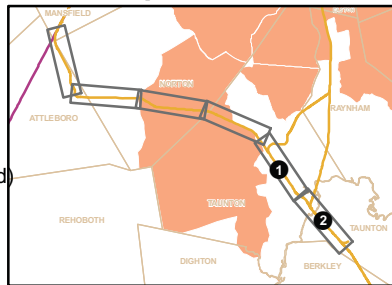
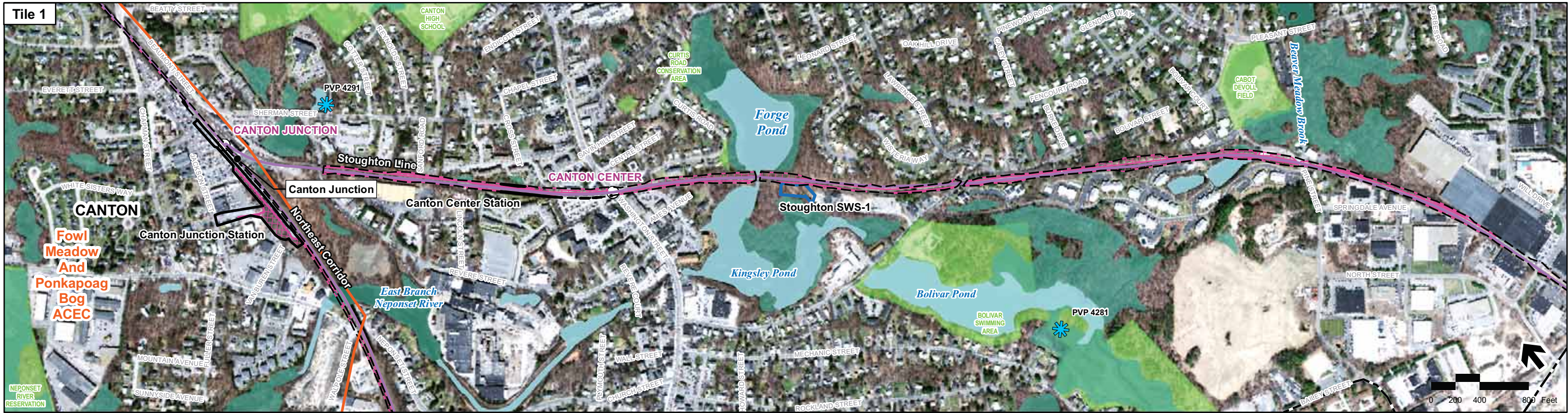


Figure 4.14-6c

Attleboro Alternatives -
Attleboro Bypass and
Attleboro Secondary

Biodiversity Impacts



Legend

- | | | | |
|------------------------------|---|--|--|
| ○ MBTA Commuter Rail Station | Area of Critical Environmental Concern (ACEC) | Open Water | NHESP BioMap Core Habitat |
| — MBTA Commuter Rail | Proposed Alternative Alignment | Wetlands | NHESP Living Waters Core Habitat |
| — Town Boundaries | Limit of Work for Proposed Station/
Layover Facility | Protected Open Space | NHESP Certified Vernal Pools |
| | Limit of Permanent Impact for Proposed Rail | Southeast Massachusetts BioReserve | NHESP Potential Vernal Pools |
| | Traction Power Station* | Biodiversity Impact - Edge Effects | SCR Identified Vernal Pools (Field Verified) |
| | | Biodiversity Impact - Interior Effects | # Vernal Pool ID |

* Traction power stations are only required for electric rail alternative

Index Map

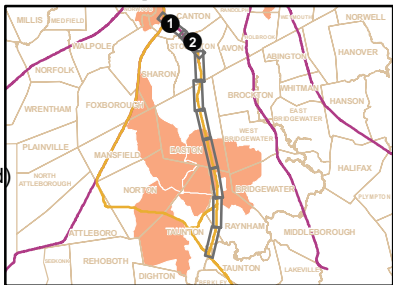
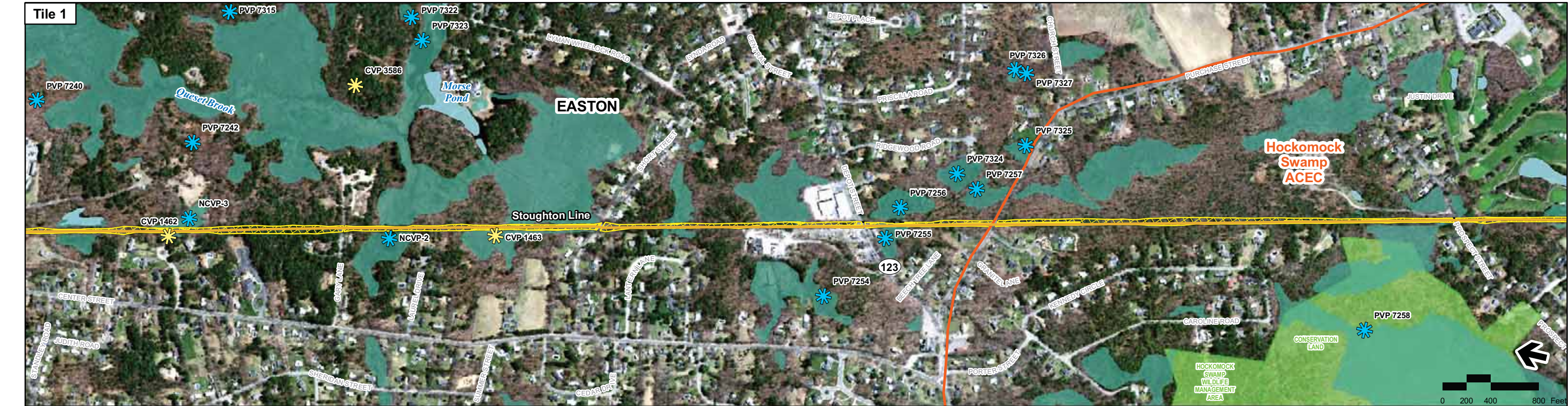


Figure 4.14-7a

Stoughton Alternatives -
Stoughton Lines

Biodiversity Impacts



Legend

- MBTA Commuter Rail Station
- MBTA Commuter Rail
- Town Boundaries
- Area of Critical Environmental Concern (ACEC)
- Proposed Alternative Alignment
- Limit of Work for Proposed Station/Layover Facility
- Limit of Permanent Impact for Proposed Rail
- Traction Power Station*
- Open Water
- Wetlands
- Protected Open Space
- Southeast Massachusetts BioReserve
- Biodiversity Impact - Edge Effects
- Biodiversity Impact - Interior Effects
- NHESP BioMap Core Habitat
- NHESP Living Waters Core Habitat
- NHESP Certified Vernal Pools
- NHESP Potential Vernal Pools
- SCR Identified Vernal Pools (Field Verified)
- Vernal Pool ID

* Traction power stations are only required for electric rail alternative

Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

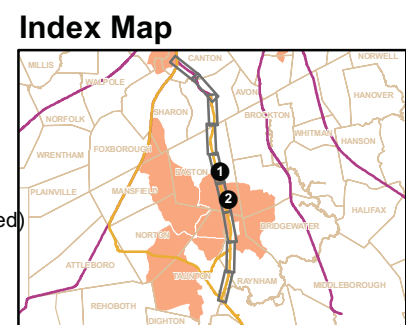
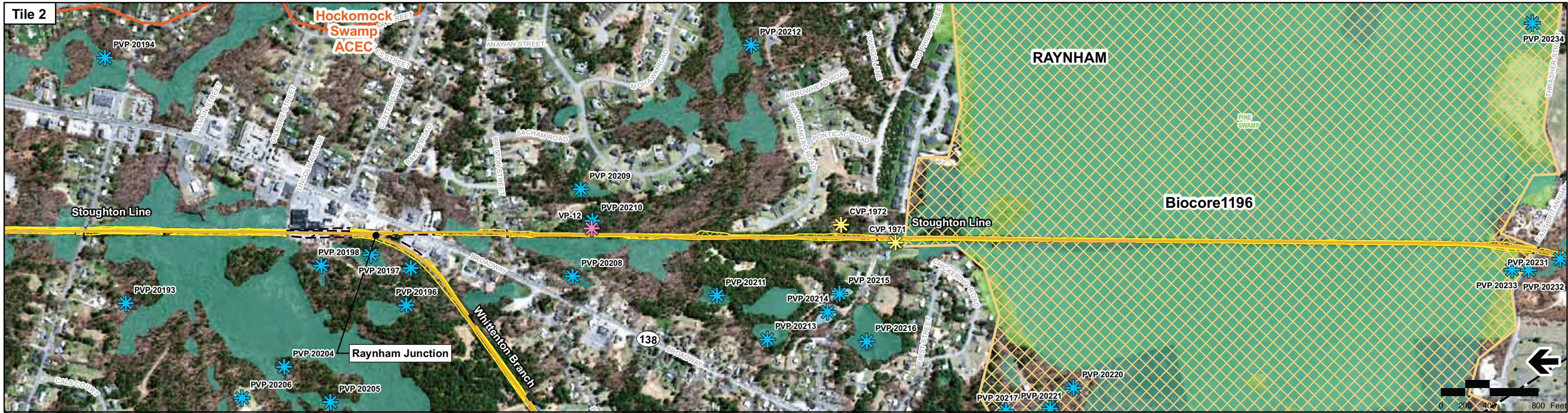


Figure 4.14-7c

Stoughton Alternatives - Stoughton Lines

Biodiversity Impacts



Legend

- MBTA Commuter Rail Station
- MBTA Commuter Rail
- Town Boundaries
- Area of Critical Environmental Concern (ACEC)
- Proposed Alternative Alignment
- Limit of Work for Proposed Station/Layover Facility
- Limit of Permanent Impact for Proposed Rail
- Traction Power Station*
- Open Water
- Wetlands
- Protected Open Space
- Southeast Massachusetts BioReserve
- Biodiversity Impact - Edge Effects
- Biodiversity Impact - Interior Effects
- NHESP BioMap Core Habitat
- NHESP Living Waters Core Habitat
- NHESP Certified Vernal Pools
- NHESP Potential Vernal Pools
- SCR Identified Vernal Pools (Field Verified)
- # Vernal Pool ID

* Traction power stations are only required for electric rail alternative

Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

Index Map

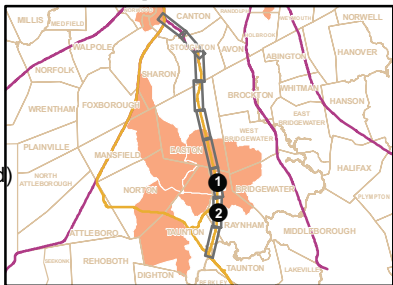
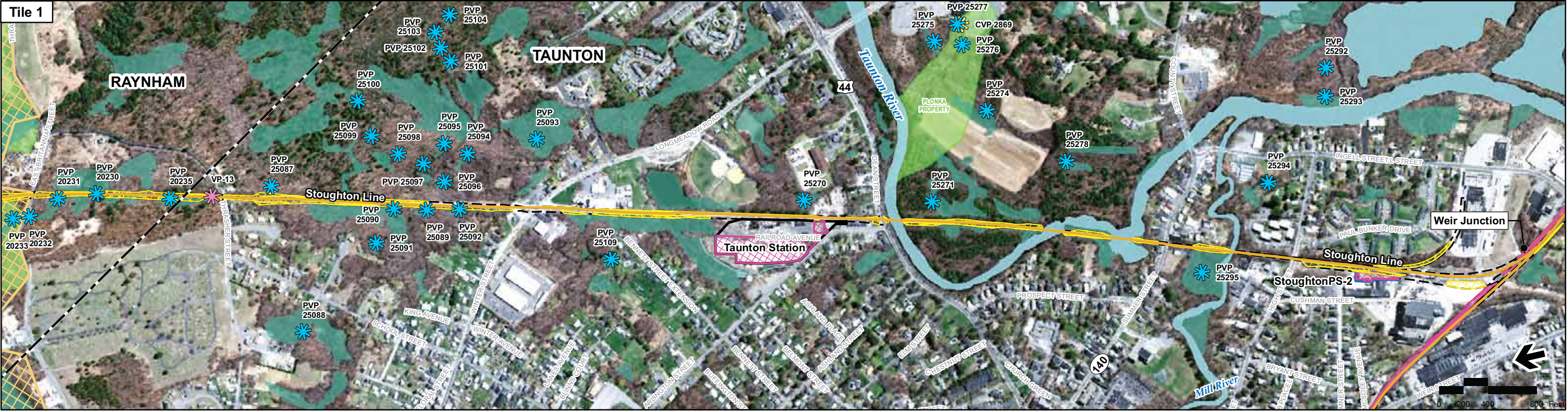


Figure 4.14-7d

Stoughton Alternatives -
Stoughton Lines

Biodiversity Impacts



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Legend

- | | | | |
|----------------------------|---|--|--|
| MBTA Commuter Rail Station | Area of Critical Environmental Concern (ACEC) | Open Water | NHESP BioMap Core Habitat |
| MBTA Commuter Rail | Proposed Alternative Alignment | Wetlands | NHESP Living Waters Core Habitat |
| Town Boundaries | Limit of Work for Proposed Station/Layover Facility | Protected Open Space | NHESP Certified Vernal Pools |
| | Limit of Permanent Impact for Proposed Rail | Southeast Massachusetts BioReserve | NHESP Potential Vernal Pools |
| | Traction Power Station* | Biodiversity Impact - Edge Effects | SCR Identified Vernal Pools (Field Verified) |
| | | Biodiversity Impact - Interior Effects | # Vernal Pool ID |

* Traction power stations are only required for electric rail alternative

Index Map

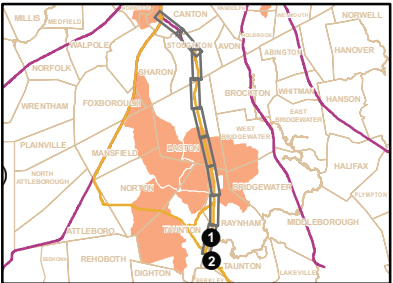
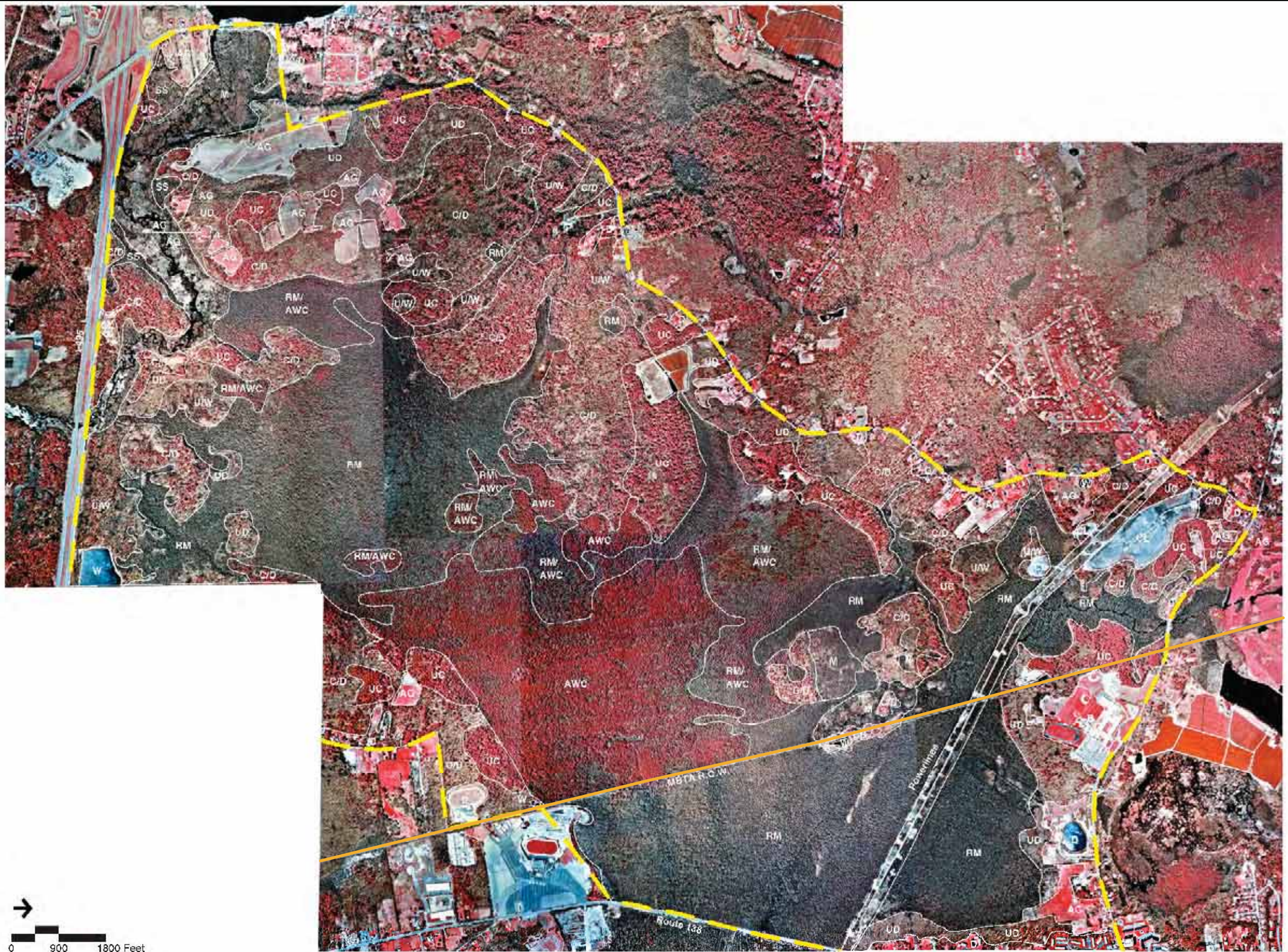


Figure 4.14-7e

Stoughton Alternatives -
Stoughton Lines

Biodiversity Impacts

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Wetland Community Types

- RM Red Maple Swamp
- AWC Atlantic White Cedar Swamp
- RM/AWC Mixed Forested Wetland
- SS Shrub Swamp
- M Marshes - Fens
- W Open Water
- W/V Wetland/Upland Forested Mix

Upland Community Types

- UD Deciduous Forested Upland
- UC Coniferous Forested Upland
- C/D Mixed Forested Upland (C/D)
- AG Agricultural Use
- D Developed
- P Powerline
- CL Cleared

- Study Area Limits
- Proposed Alternative

Figure 4.14-8
Hockomock Swamp Vegetative Cover Map
Biodiversity



- Legend**
- MBTA Commuter Rail Station
 - MBTA Commuter Rail
 - Town Boundaries
 - Area of Critical Environmental Concern (ACEC)
 - Proposed Alternative Alignment
 - Limit of Work for Proposed Station/Layover Facility
 - Limit of Permanent Impact for Proposed Rail
 - Traction Power Station*
 - Open Water
 - Wetlands
 - Protected Open Space
 - Southeast Massachusetts BioReserve
 - Biodiversity Impact - Edge Effects
 - Biodiversity Impact - Interior Effects
 - NHESP BioMap Core Habitat
 - NHESP Living Waters Core Habitat
 - NHESP Certified Vernal Pools
 - NHESP Potential Vernal Pools
 - SCR Identified Vernal Pools (Field Verified)
 - # Vernal Pool ID

* Traction power stations are only required for electric rail alternative

Index Map

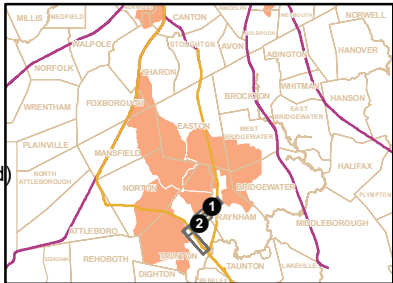
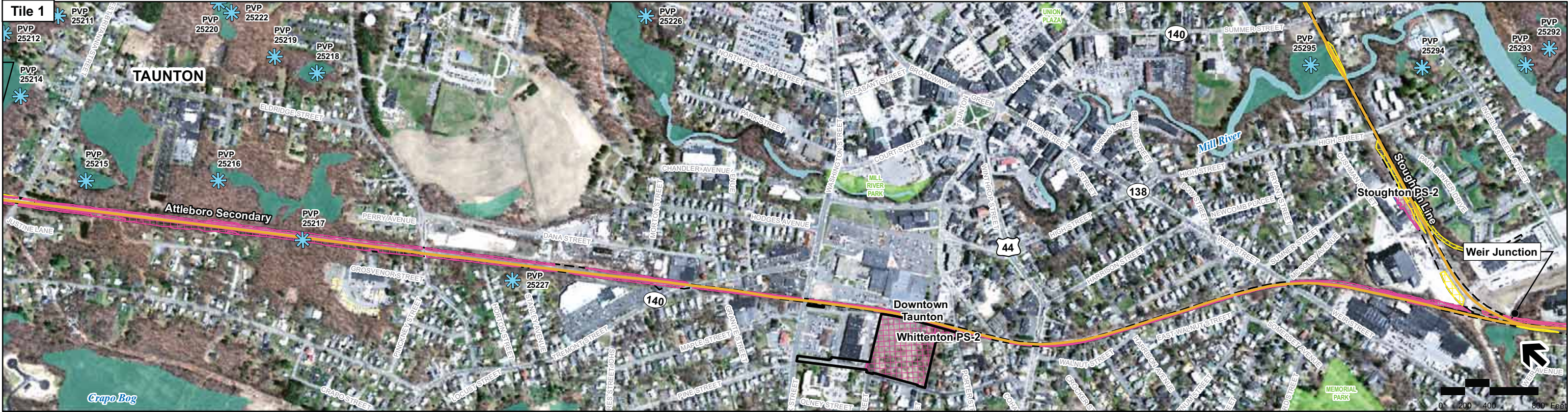


Figure 4.14-9a

Whittenton Alternatives -
Whittenton Branch

Biodiversity Impacts



Printing Date: 7/24/2009
File: W:\h\proj\Boston\10111.00\GIS\project\Phase2\TechReports\Biodiversity\ECI\RailOptions\BIO_Figs-7b_Whittenton.mxd

Legend

- | | | | |
|----------------------------|---|--|--|
| MBTA Commuter Rail Station | Area of Critical Environmental Concern (ACEC) | Open Water | NHESP BioMap Core Habitat |
| MBTA Commuter Rail | Proposed Alternative Alignment | Wetlands | NHESP Living Waters Core Habitat |
| Town Boundaries | Limit of Work for Proposed Station/Layover Facility | Protected Open Space | NHESP Certified Vernal Pools |
| | Limit of Permanent Impact for Proposed Rail | Southeast Massachusetts BioReserve | NHESP Potential Vernal Pools |
| | Traction Power Station* | Biodiversity Impact - Edge Effects | SCR Identified Vernal Pools (Field Verified) |
| | | Biodiversity Impact - Interior Effects | # Vernal Pool ID |

* Traction power stations are only required for electric rail alternative

Note: NHESP Potential Vernal Pools:
NOT equivalent to Certified Vernal Pools

Index Map

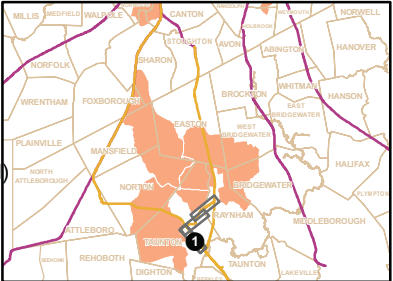


Figure 4.14-9b

Whittenton Alternatives -
Whittenton Branch

Biodiversity Impacts

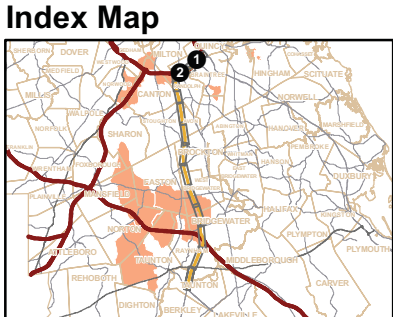
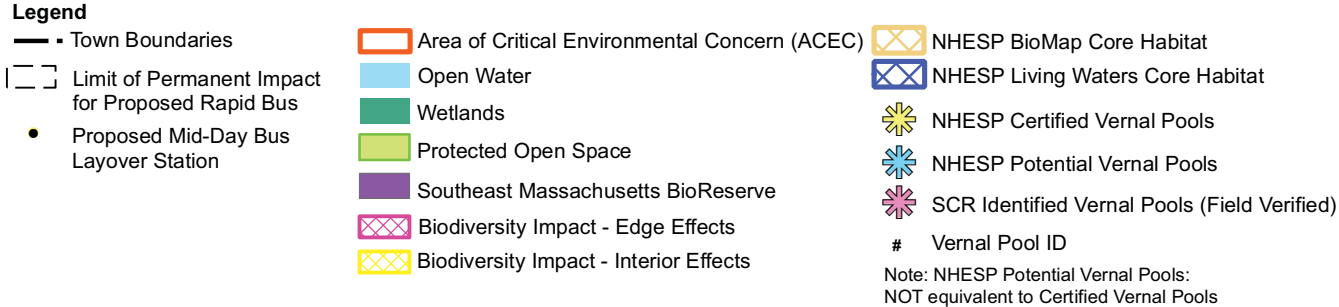


Figure 4.14-10a

Rapid Bus Alternative

Biodiversity Impacts

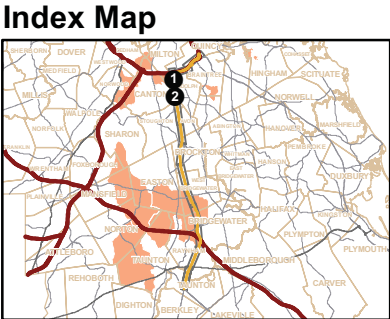
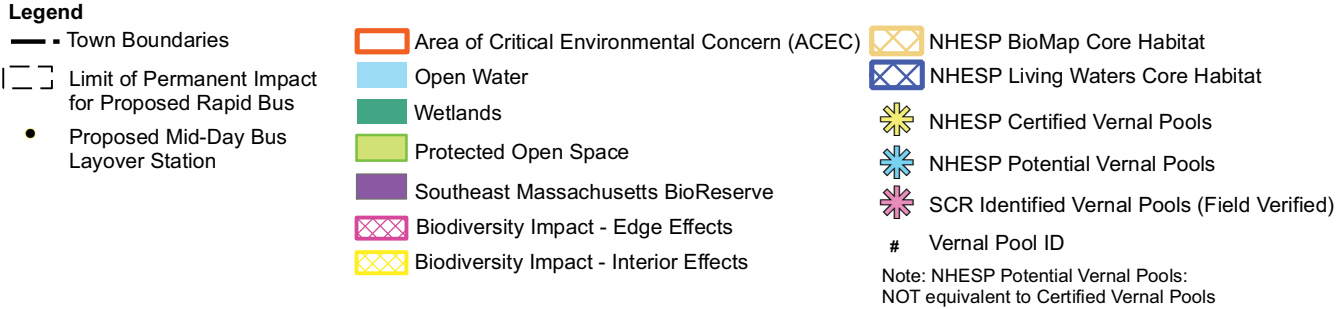
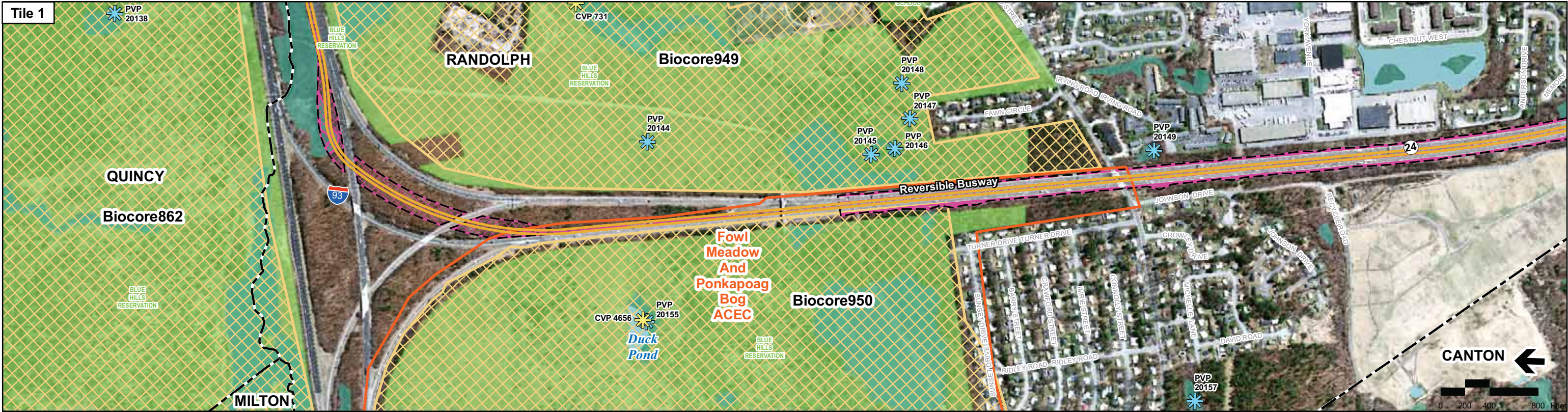


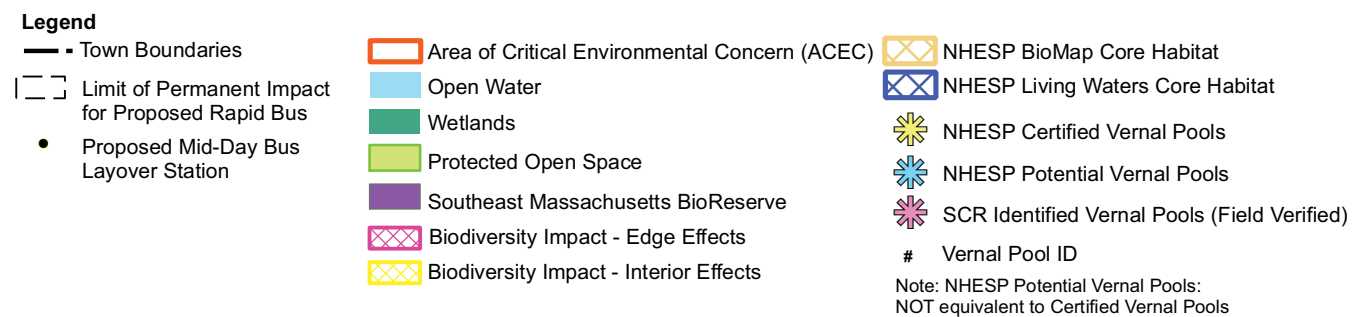
Figure 4.14-10b

Rapid Bus Alternative

Biodiversity Impacts



Printing Date: 7/22/2019
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Index Map

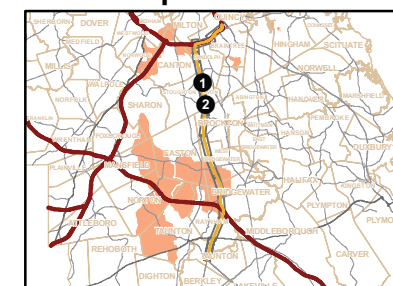


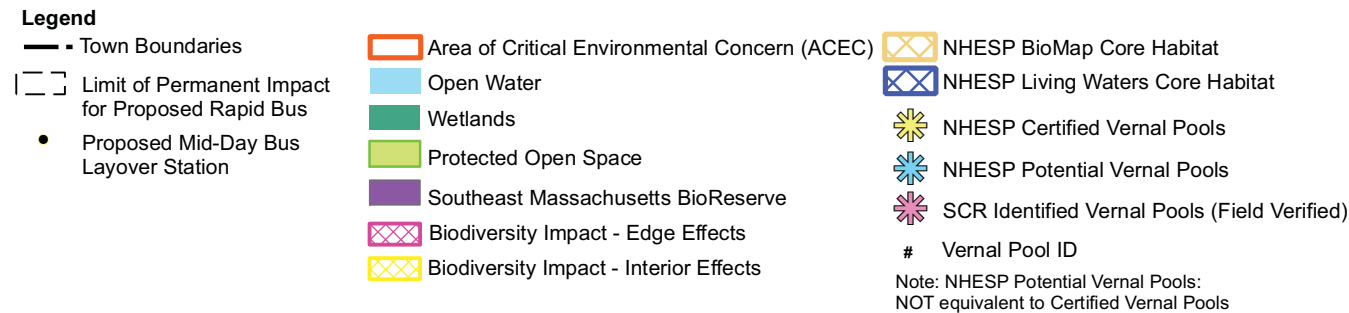
Figure 4.14-10c

Rapid Bus Alternative

Biodiversity Impacts



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Index Map

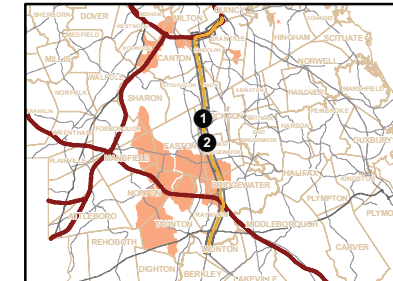
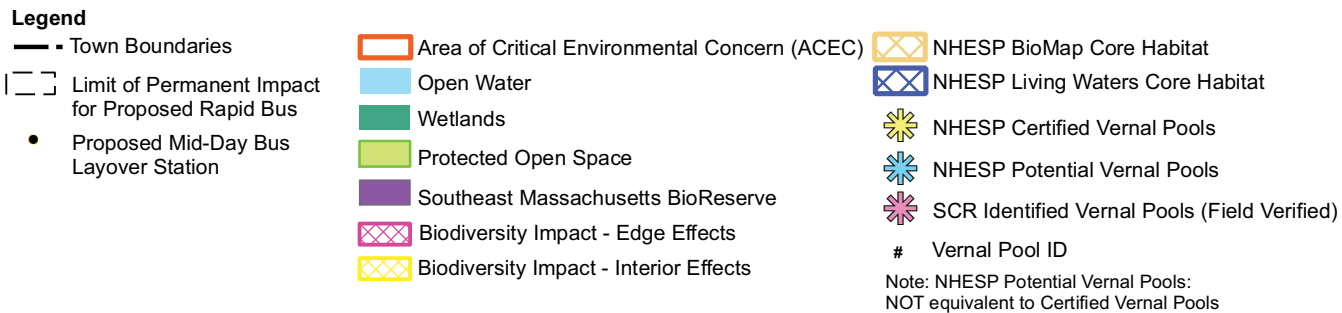
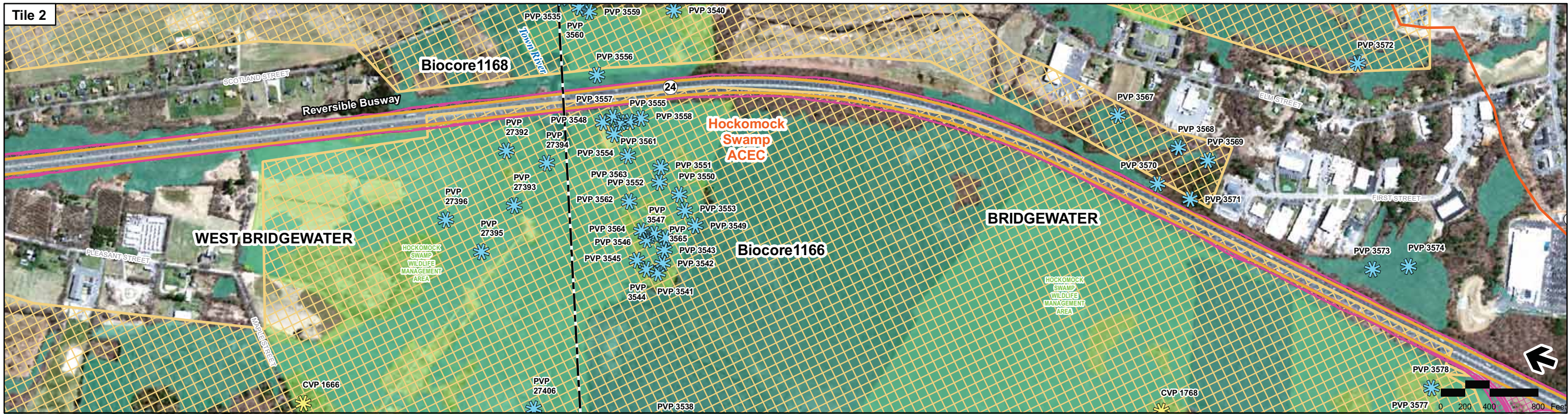
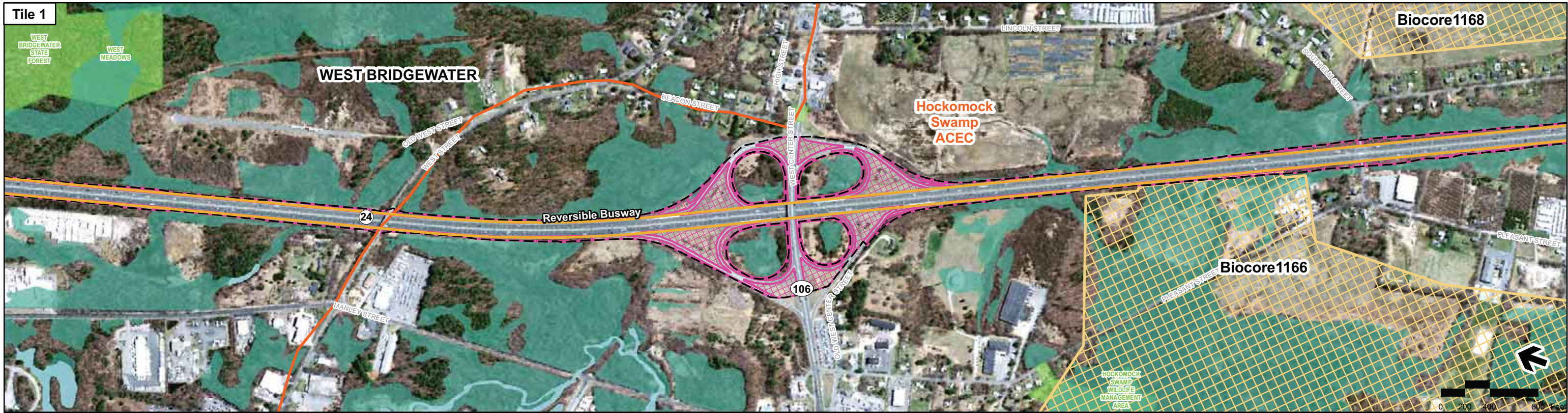


Figure 4.14-10d

Rapid Bus Alternative

Biodiversity Impacts



Index Map

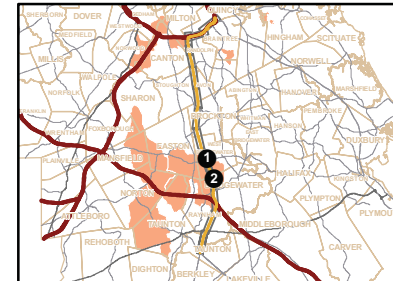
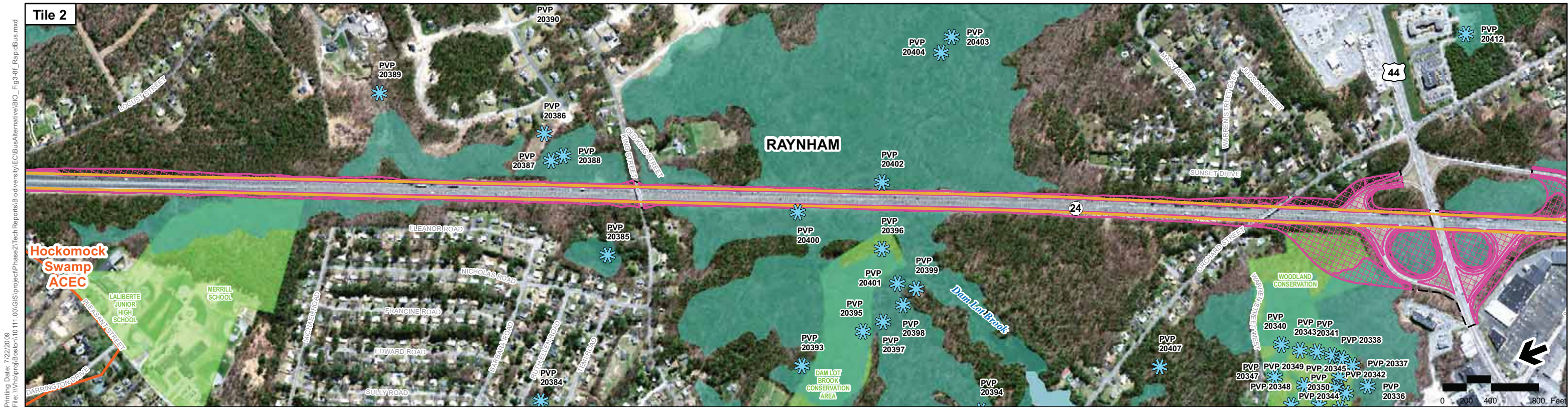


Figure 4.14-10e

Rapid Bus Alternative

Biodiversity Impacts



Legend

- Town Boundaries
- Limit of Permanent Impact for Proposed Rapid Bus
- Proposed Mid-Day Bus Layover Station
- Area of Critical Environmental Concern (ACEC)
- Open Water
- Wetlands
- Protected Open Space
- Southeast Massachusetts BioReserve
- Biodiversity Impact - Edge Effects
- Biodiversity Impact - Interior Effects
- NHESP BioMap Core Habitat
- NHESP Living Waters Core Habitat
- NHESP Certified Vernal Pools
- NHESP Potential Vernal Pools
- SCR Identified Vernal Pools (Field Verified)
- Vernal Pool ID

Note: NHESP Potential Vernal Pools:
NOT equivalent to Certified Vernal Pools

Index Map

Figure 4.14-10f

Rapid Bus Alternative

Biodiversity Impacts



Printing Date: 7/22/2009
File: \\nhb\proj\Bos\om\10111.00\GIS\project\Phase2\TechReports\Biodiversity\EC Bus\AlternativeBIO_Fig3-8g_RapidBus.mxd

Legend

- Town Boundaries
 - Limit of Permanent Impact for Proposed Rapid Bus
 - Proposed Mid-Day Bus Layover Station
 - Area of Critical Environmental Concern (ACEC)
 - Open Water
 - Wetlands
 - Protected Open Space
 - Southeast Massachusetts BioReserve
 - Biodiversity Impact - Edge Effects
 - Biodiversity Impact - Interior Effects
 - NHESP BioMap Core Habitat
 - NHESP Living Waters Core Habitat
 - NHESP Certified Vernal Pools
 - NHESP Potential Vernal Pools
 - SCR Identified Vernal Pools (Field Verified)
 - Vernal Pool ID
- Note: NHESP Potential Vernal Pools:
NOT equivalent to Certified Vernal Pools

Index Map

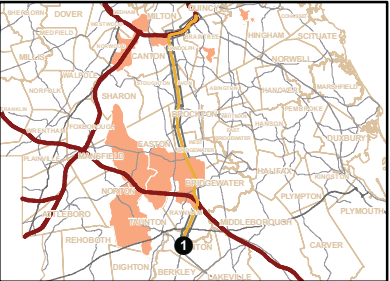
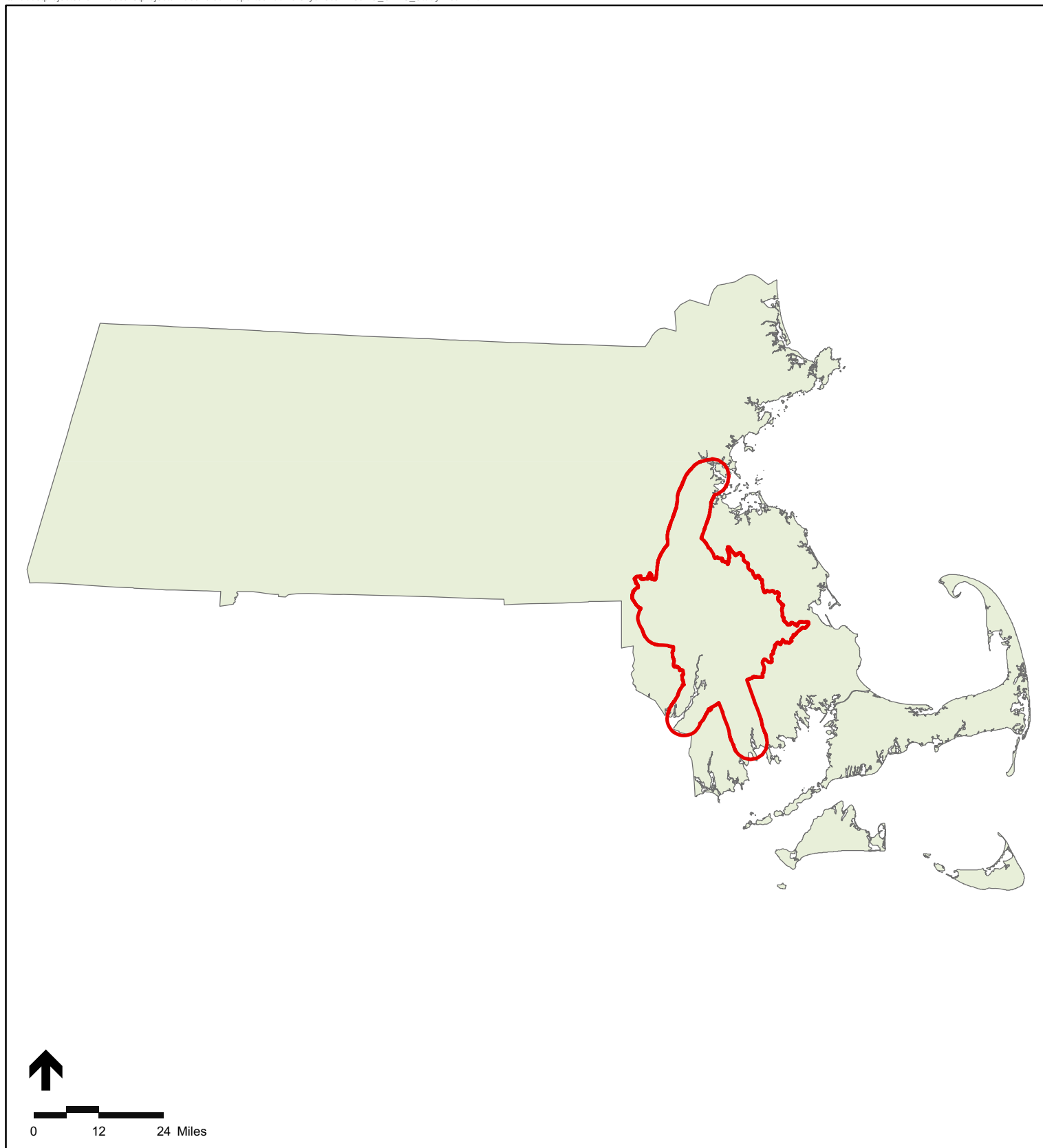


Figure 4.14-10g

Rapid Bus Alternative

Biodiversity Impacts



Legend
 Study Area

Figure 4.14-11

Study Area for the
South Coast Rail Analysis



Legend

- Proposed Alternative
 - Limit of Permanent Impact for Proposed Rail
 - Limit of Work for Proposed Station
 - Forested Upland
 - Upland Scrub Shrub
 - Wooded Swamp Deciduous
 - NHESP Certified Vernal Pools
 - NHESP Potential Vernal Pools
 - SCR Identified Vernal Pools (Field Verified)
 - # Vernal Pool ID
- Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

Figure 4.14-12
Freetown Station
Biodiversity Impacts



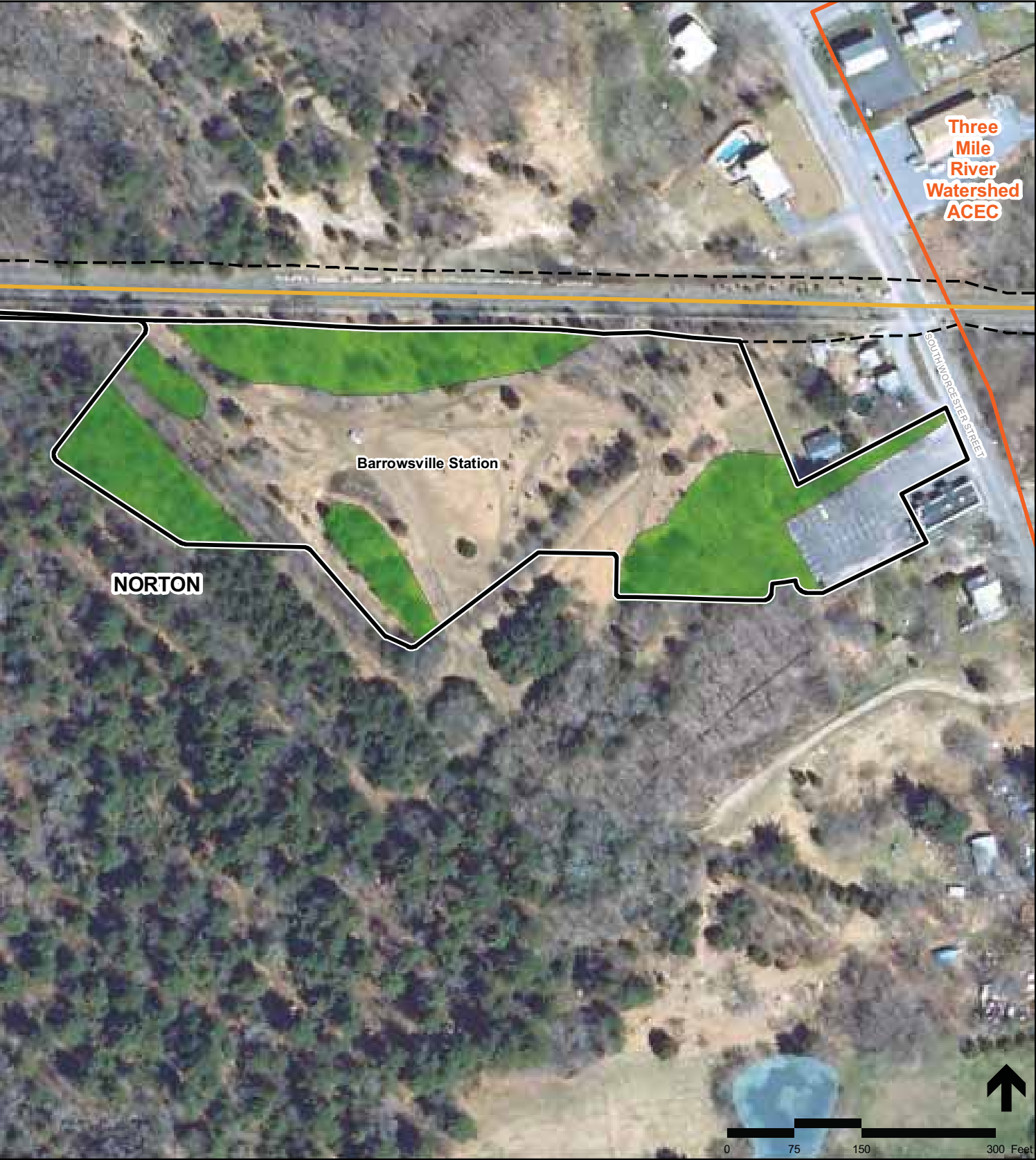
Legend

- Proposed Alternative
 - Limit of Permanent Impact for Proposed Rail
 - Limit of Work for Proposed Station
 - Forested Upland
 - Upland Scrub Shrub
 - Wooded Swamp Deciduous
 - NHESP Certified Vernal Pools
 - NHESP Potential Vernal Pools
 - SCR Identified Vernal Pools (Field Verified)
 - # Vernal Pool ID
- Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

Figure 4.14-13

North Easton Station

Biodiversity Impacts



Legend

- Proposed Alternative
- Limit of Permanent Impact for Proposed Rail
- Limit of Work for Proposed Station
- Forested Upland
- Upland Scrub Shrub
- Wooded Swamp Deciduous
- Area of Critical Environmental Concern (ACEC)

NHESP Certified Vernal PoolsNHESP Potential Vernal PoolsSCR Identified Vernal Pools (Field Verified)Vernal Pool IDNote: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

Figure 4.14-14
Barrowsville Station
Biodiversity Impacts



Legend

- Proposed Alternative
- Limit of Permanent Impact for Proposed Rail
- Limit of Work for Proposed Station
- Forested Upland
- Upland Scrub Shrub
- Wooded Swamp Deciduous

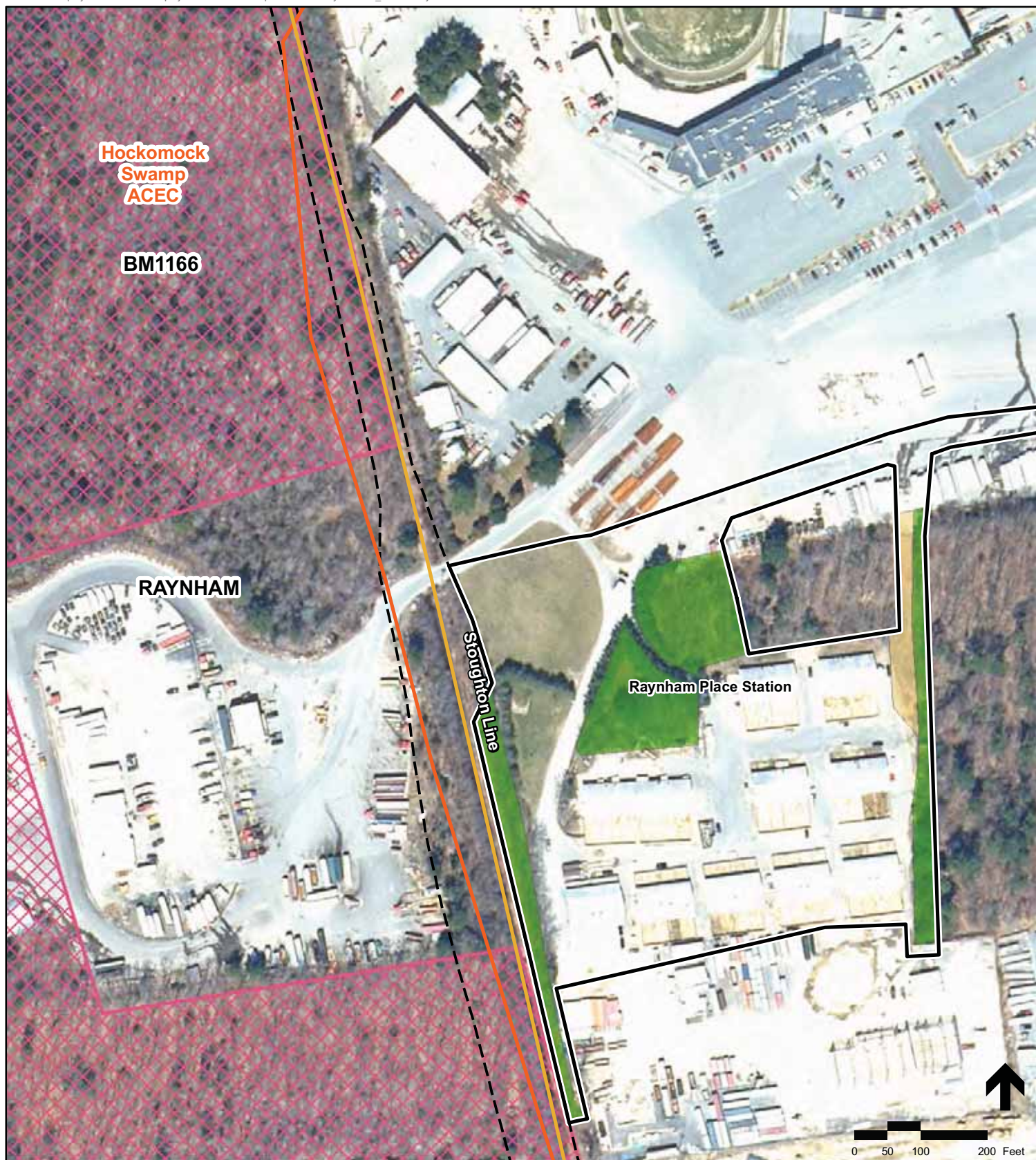
- NHESP Certified Vernal Pools
- NHESP Potential Vernal Pools
- SCR Identified Vernal Pools (Field Verified)
- # Vernal Pool ID

Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

Figure 4.14-15

Taunton Depot Station

Biodiversity Impacts

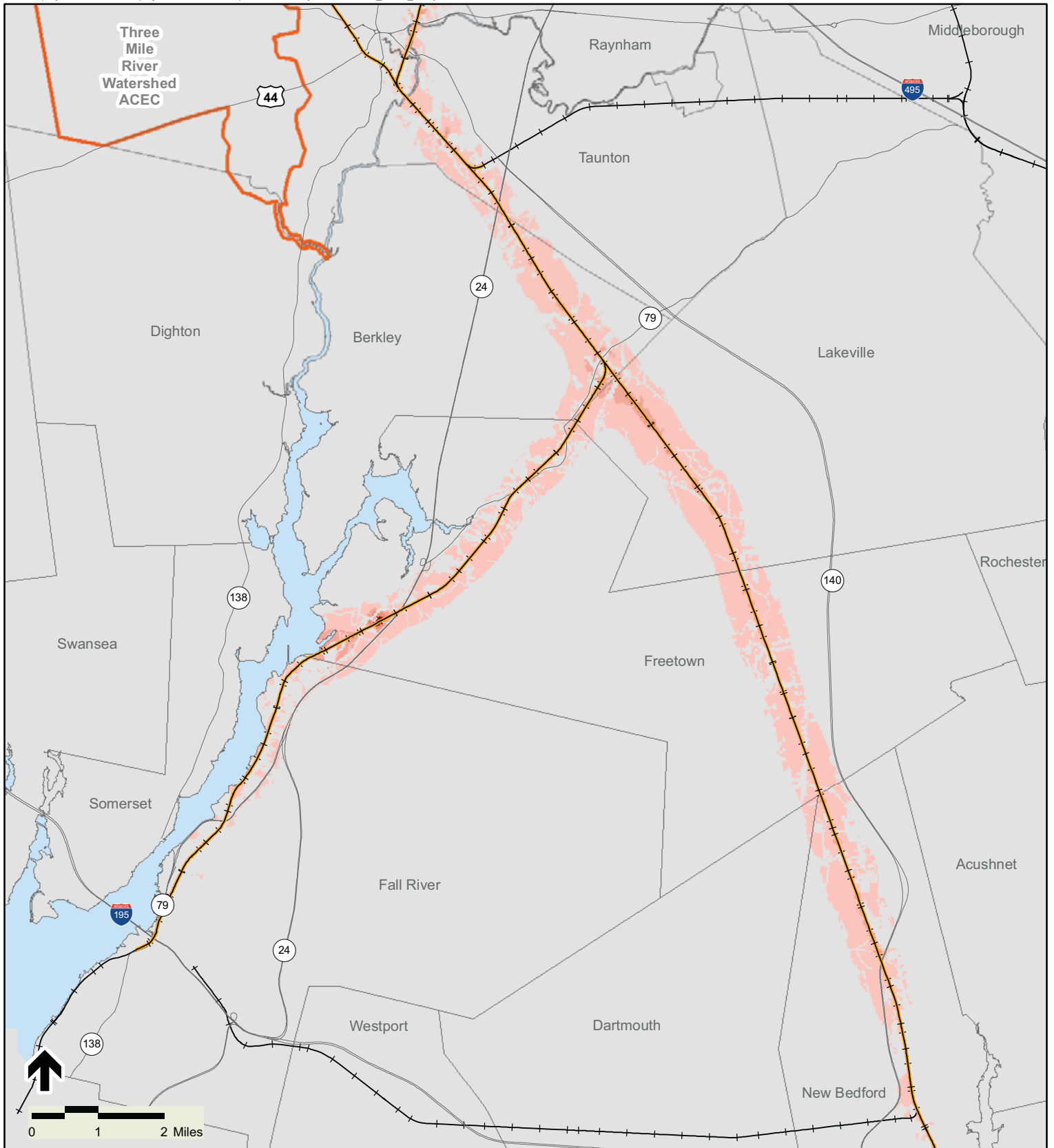


Legend

- Proposed Alternative
- Limit of Permanent Impact for Proposed Rail
- Limit of Work for Proposed Station
- Forested Upland
- Upland Scrub Shrub
- Wooded Swamp Deciduous
- Area of Critical Environmental Concern (ACEC)
- ✱ NHESP Certified Vernal Pools
- ✱ NHESP Potential Vernal Pools
- ✱ SCR Identified Vernal Pools (Field Verified)
- # Vernal Pool ID

Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

Figure 4.14-16
Raynham Place Station
Biodiversity Impacts



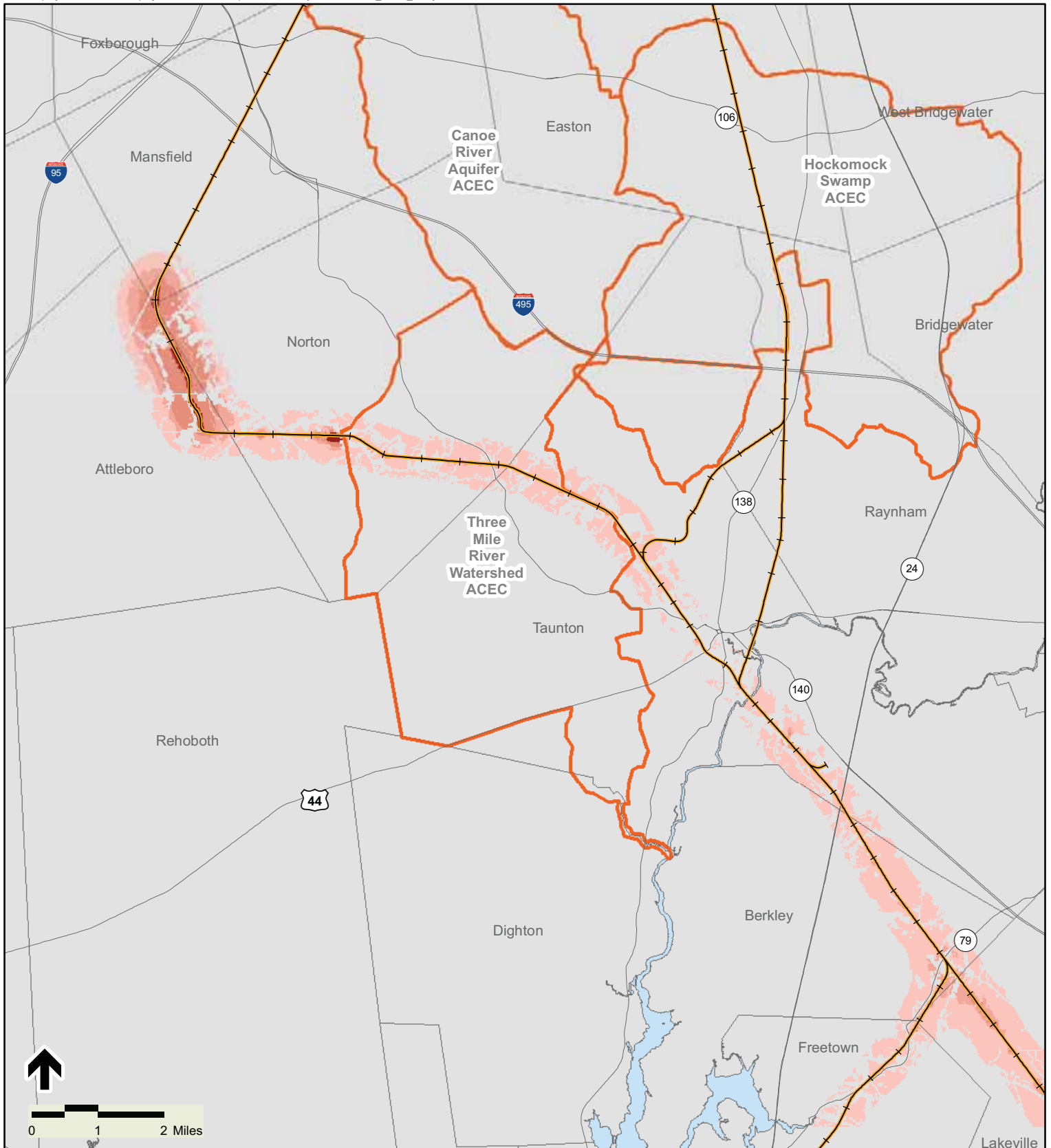
Legend

- Area of Critical Environmental Concern (ACEC)
- + Proposed Alternative Rail

Note: Darker areas represent greater loss

Figure 4.14-17

Modeled Loss in Ecological
Integrity for the Southern Triangle



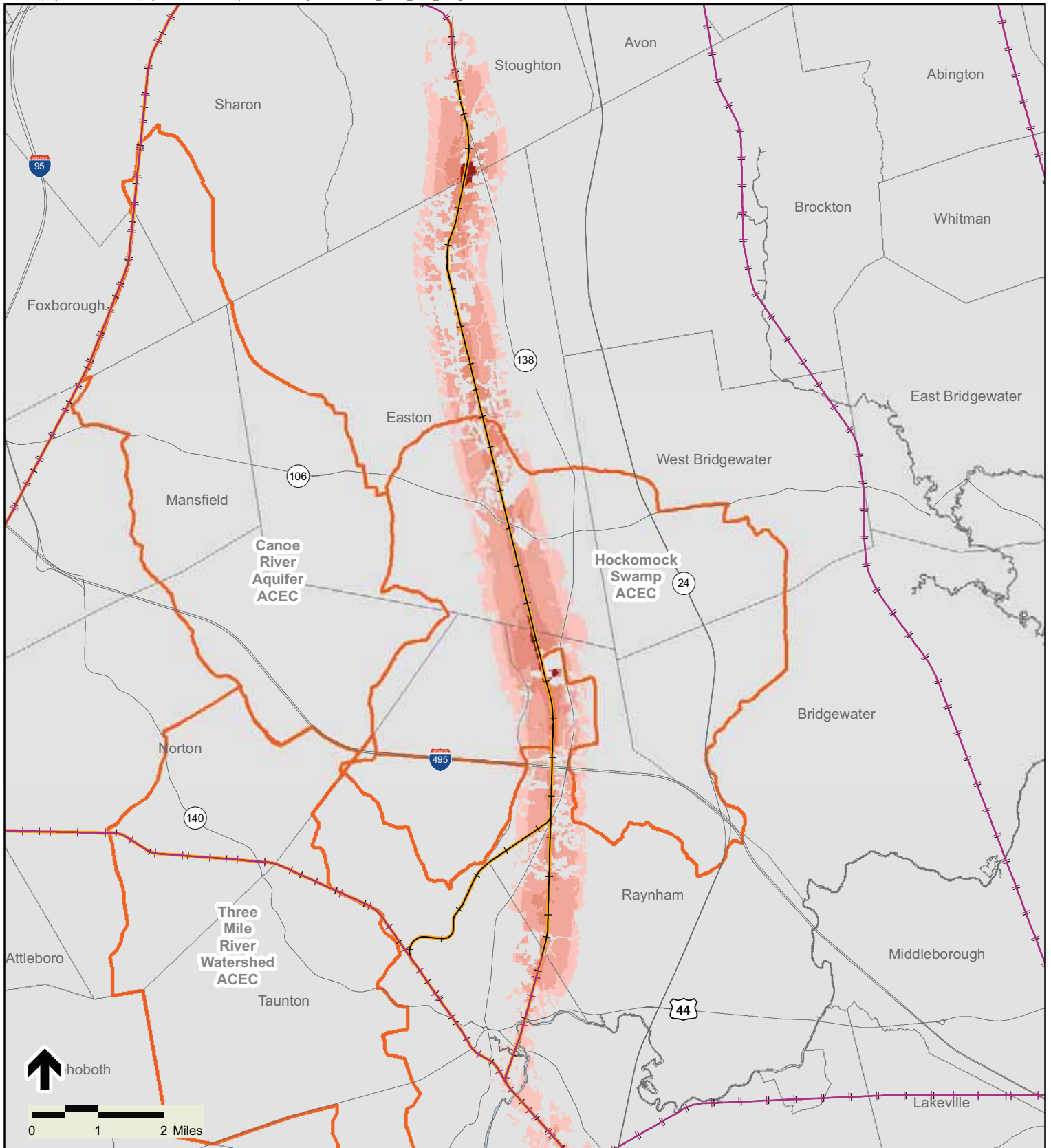
Legend

-  Existing Freight and Commuter Rails
-  Proposed Alternative
-  Area of Critical Environmental Concern (ACEC)

Note: Darker areas represent greater loss

Figure 4.14-18

Modeled Loss in Ecological
Integrity for the Attleboro Alternative



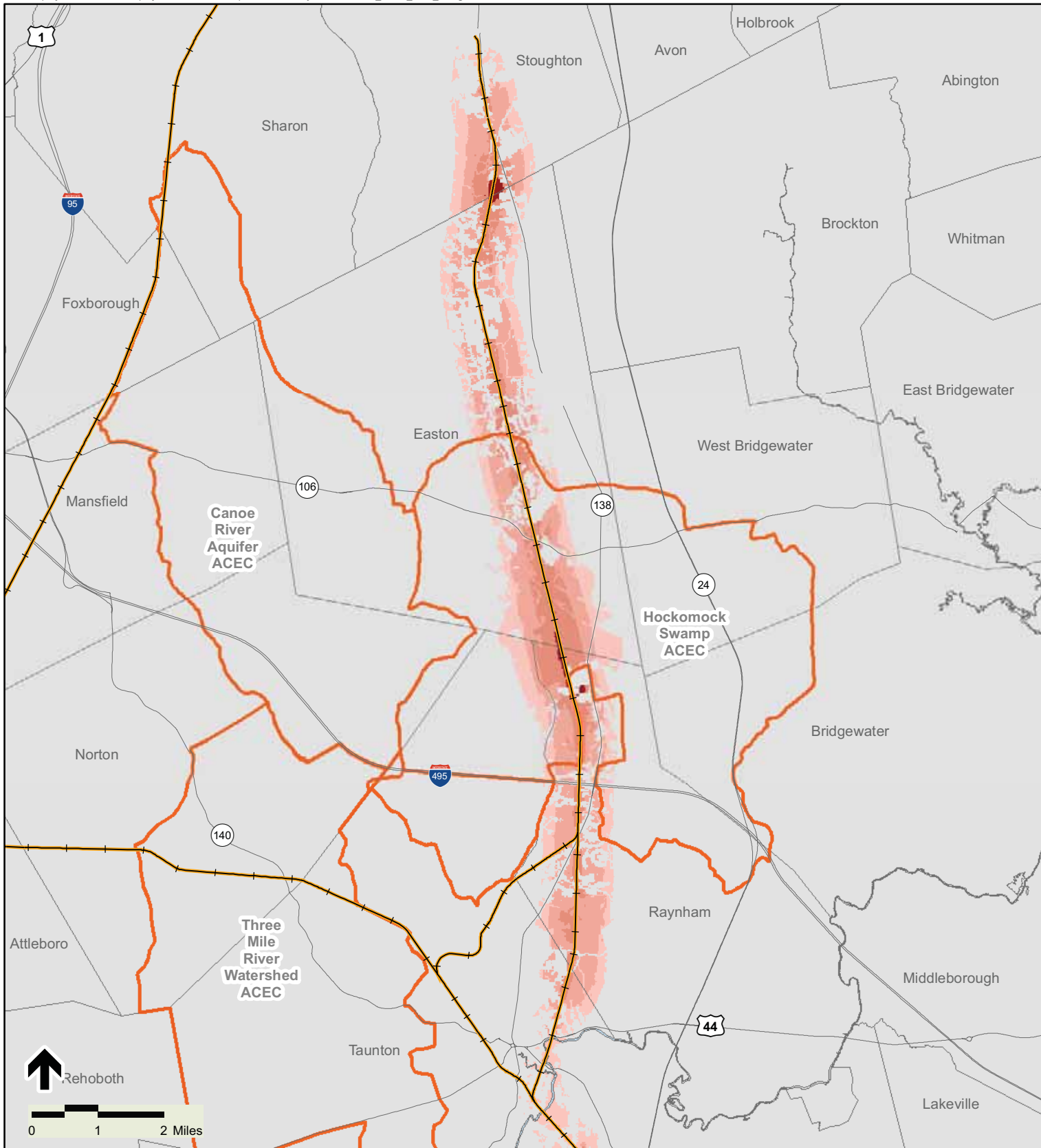
Legend

- Area of Critical Environmental Concern (ACEC)
- + Proposed Alternative Rail

Note: Darker areas represent greater loss

Figure 4.14-19

Modeled Loss in Ecological
Integrity for the Stoughton Alternative
(with trestle)



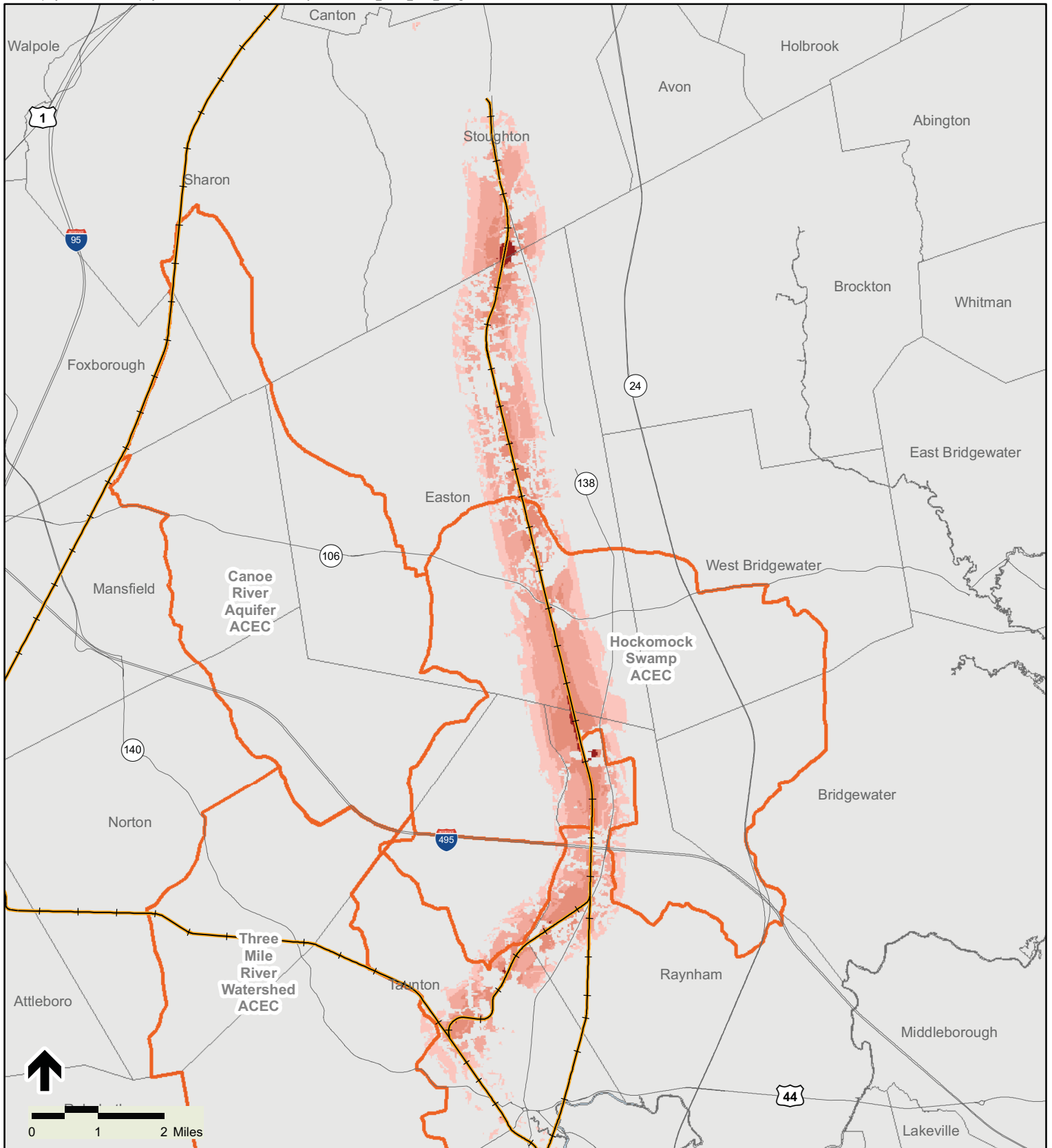
Legend

- Area of Critical Environmental Concern (ACEC)
- Proposed Alternative Rail

Note: Darker areas represent greater loss

Figure 4.14-20

Modeled Loss in Ecological
Integrity for the Stoughton Alternative
(without trestle)



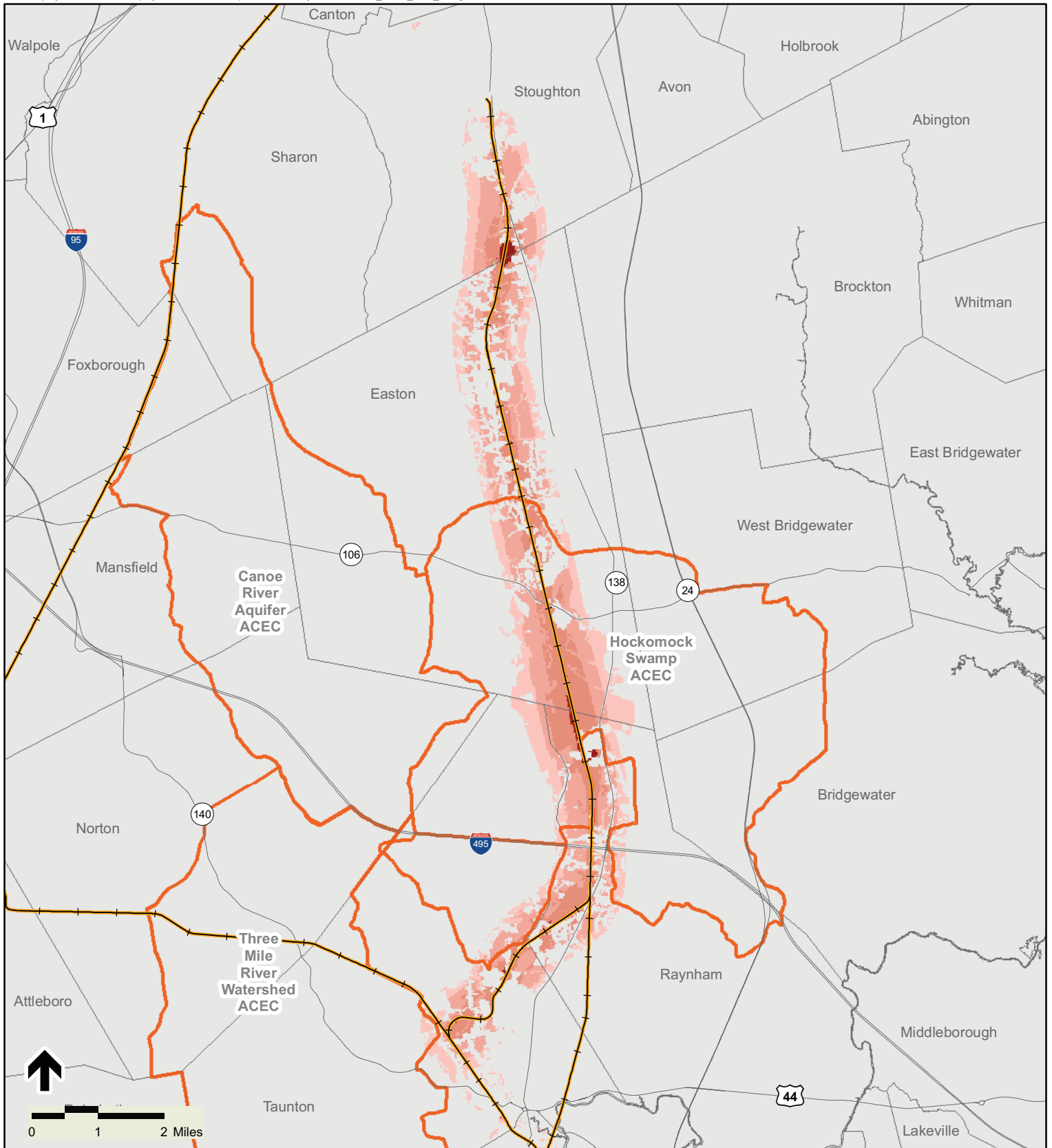
Legend

- Area of Critical Environmental Concern (ACEC)
- Proposed Alternative Rail

Figure 4.14-21

Modeled Loss in Ecological Integrity for the Whittenton Alternative (with trestle)

Note: Darker areas represent greater loss



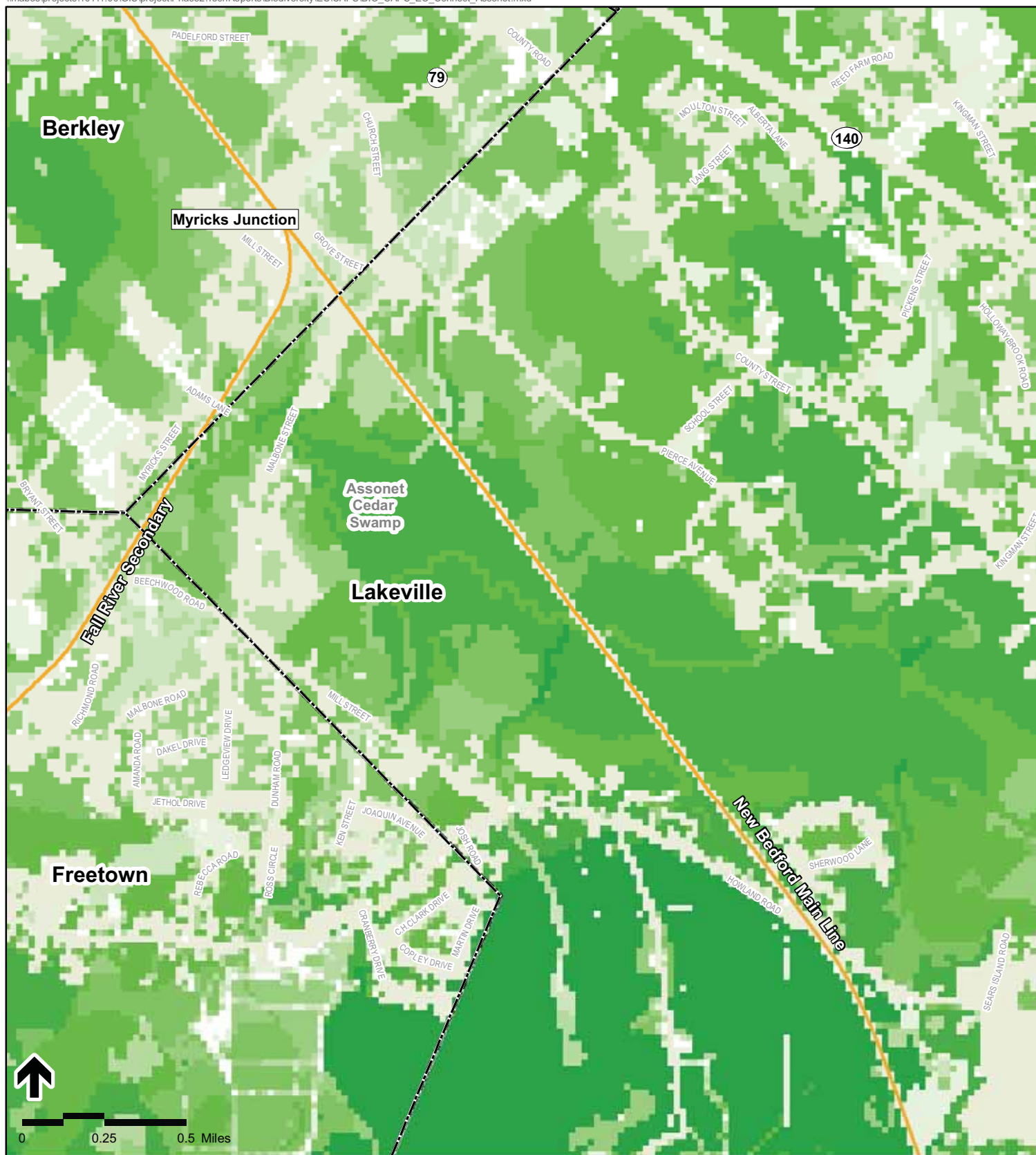
Legend

- Area of Critical Environmental Concern (ACEC)
- Proposed Alternative Rail

Note: Darker areas represent greater loss

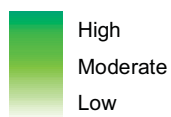
Figure 4.14-22

Modeled Loss in Ecological
Integrity for the Whittenton Alternative
(without trestle)



Legend

Connectedness



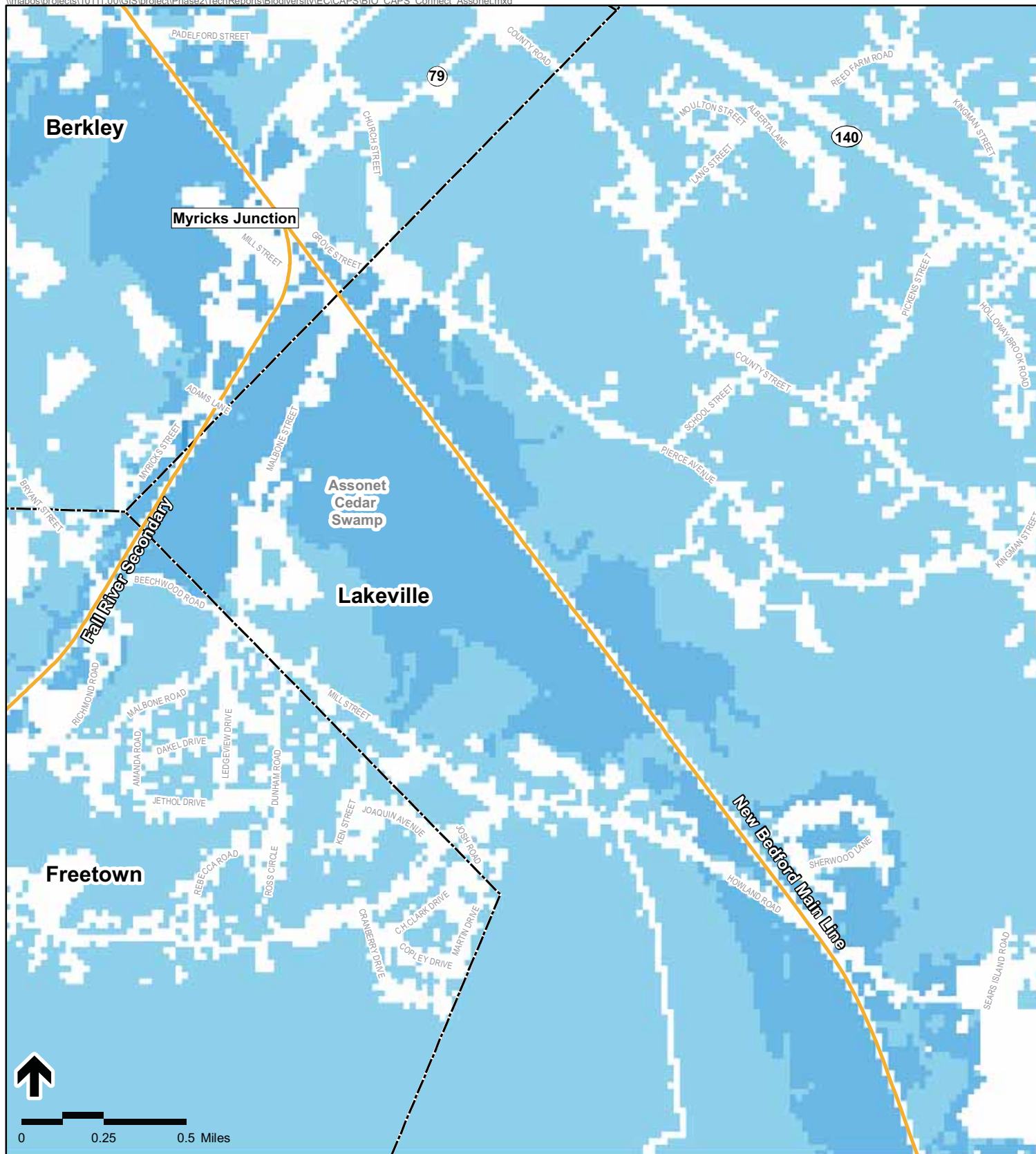
Area of Critical Environmental Concern (ACEC)

Town Boundaries

Proposed Alternative

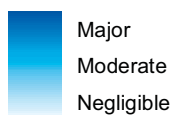
Figure 4.14-23

Existing Connectedness for the
 Assonet Cedar Swamp



Legend

Loss of Connectedness



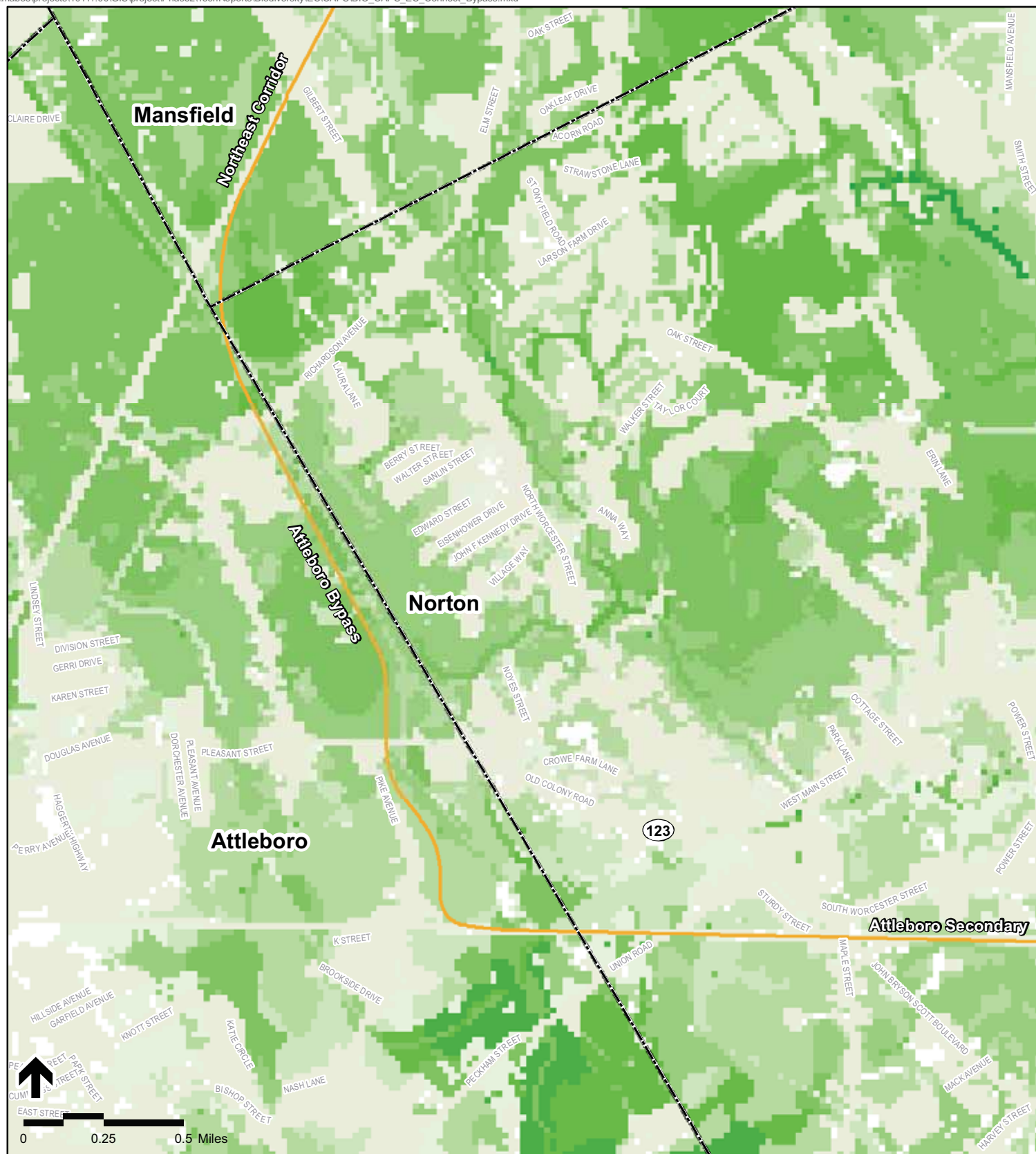
Area of Critical Environmental Concern (ACEC)

Town Boundaries

Proposed Alternative

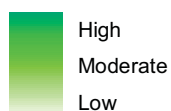
Figure 4.14-24

Change in Connectedness
for the Assonet Cedar Swamp



Legend

Connectedness



Area of Critical Environmental Concern (ACEC)

Town Boundaries

Proposed Alternative

Figure 4.14-25

Existing Connectedness for the
 Attleboro Bypass



Loss of Connectedness

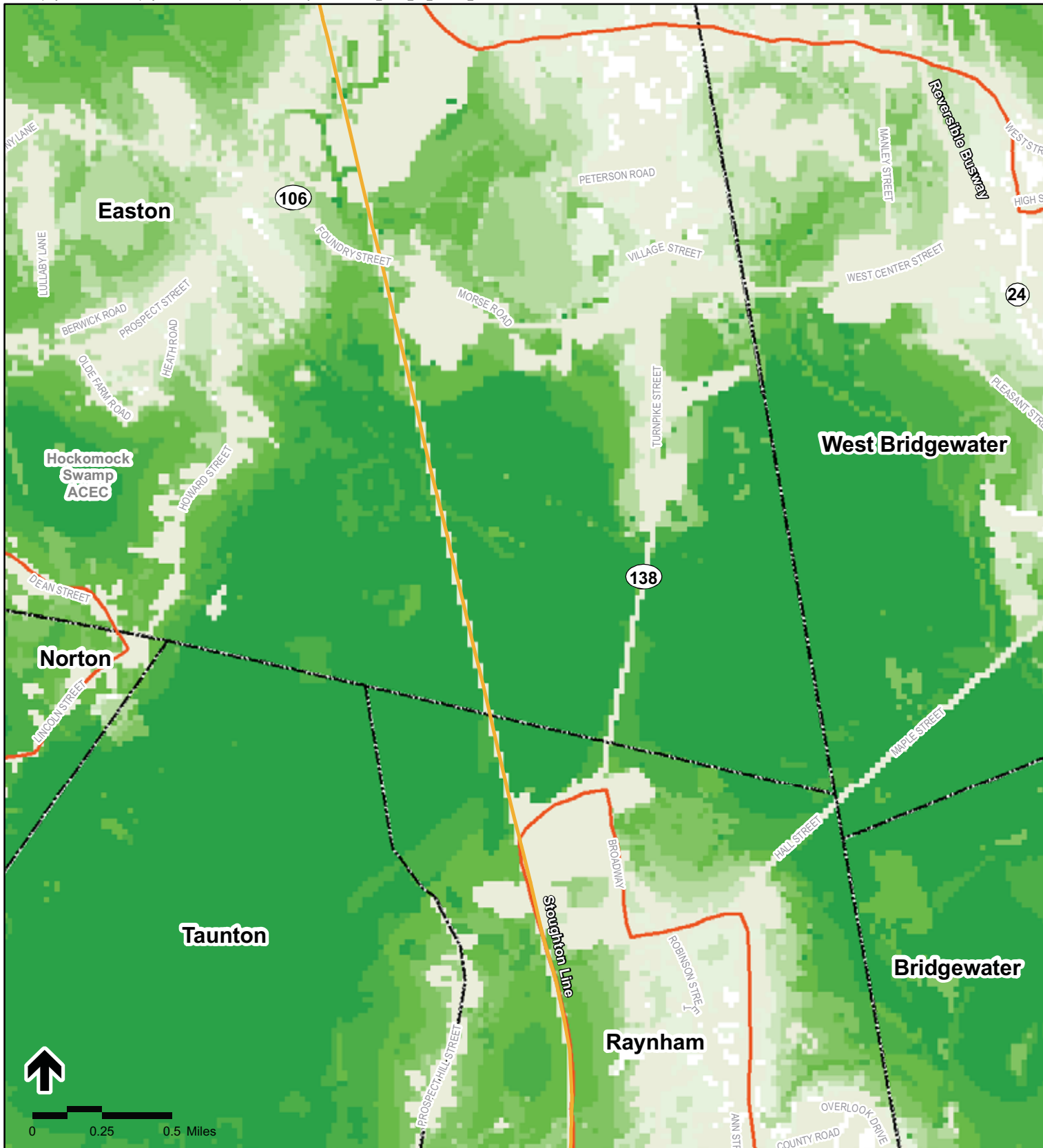


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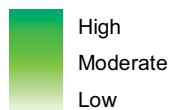
Figure 4.14-26

Change in Connectedness for the Attleboro Bypass



Legend

Connectedness



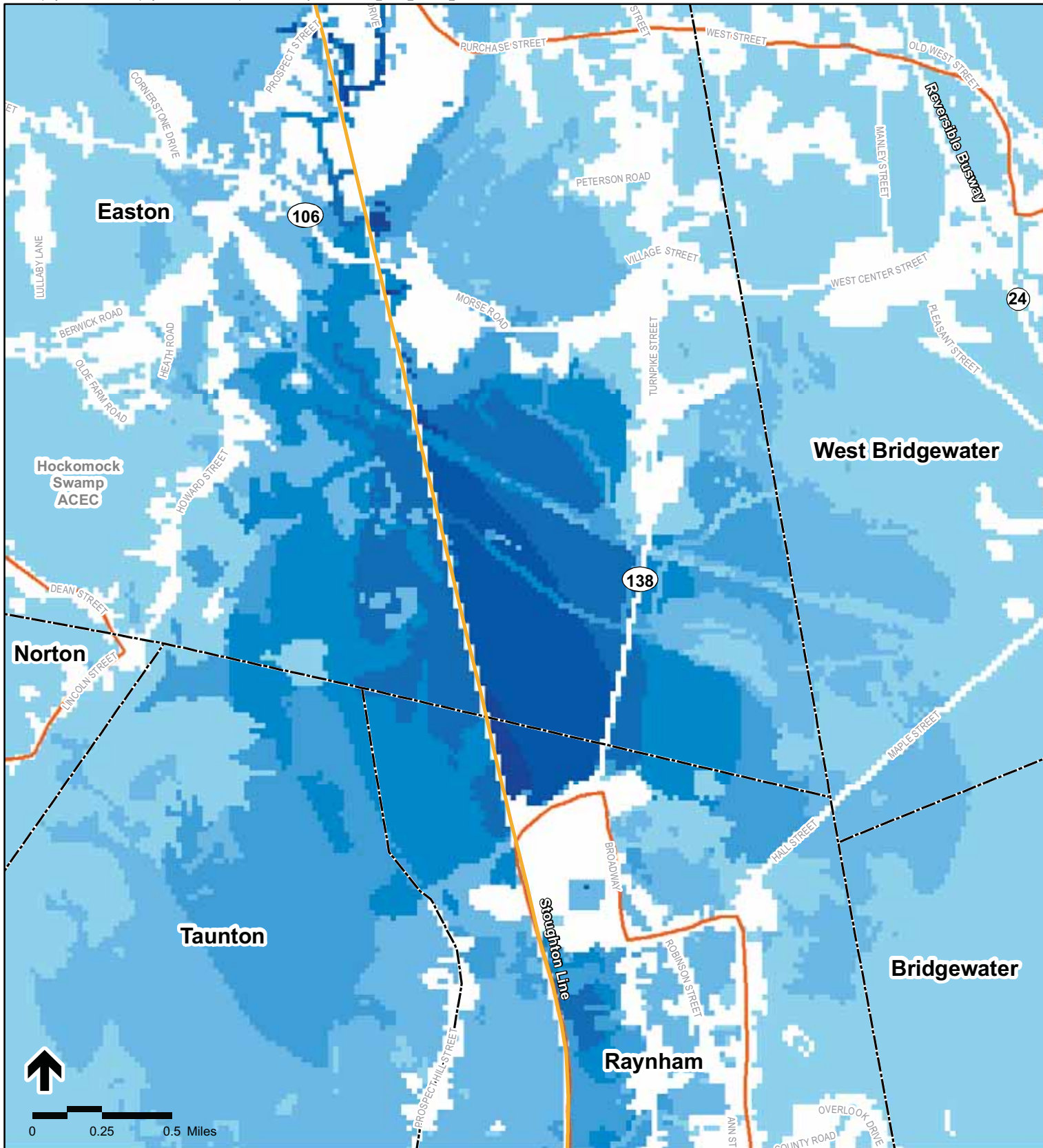
 Area of Critical Environmental Concern (ACEC)

 Town Boundaries

 Proposed Alternative

Figure 4.14-27

Existing Connectedness for the
Hockomock Swamp



Legend

Loss of Connectedness



Area of Critical Environmental Concern (ACEC)

Town Boundaries

Proposed Alternative

Figure 4.14-28

Change in Connectedness
 for the Hockomock Swamp
 (without trestle)

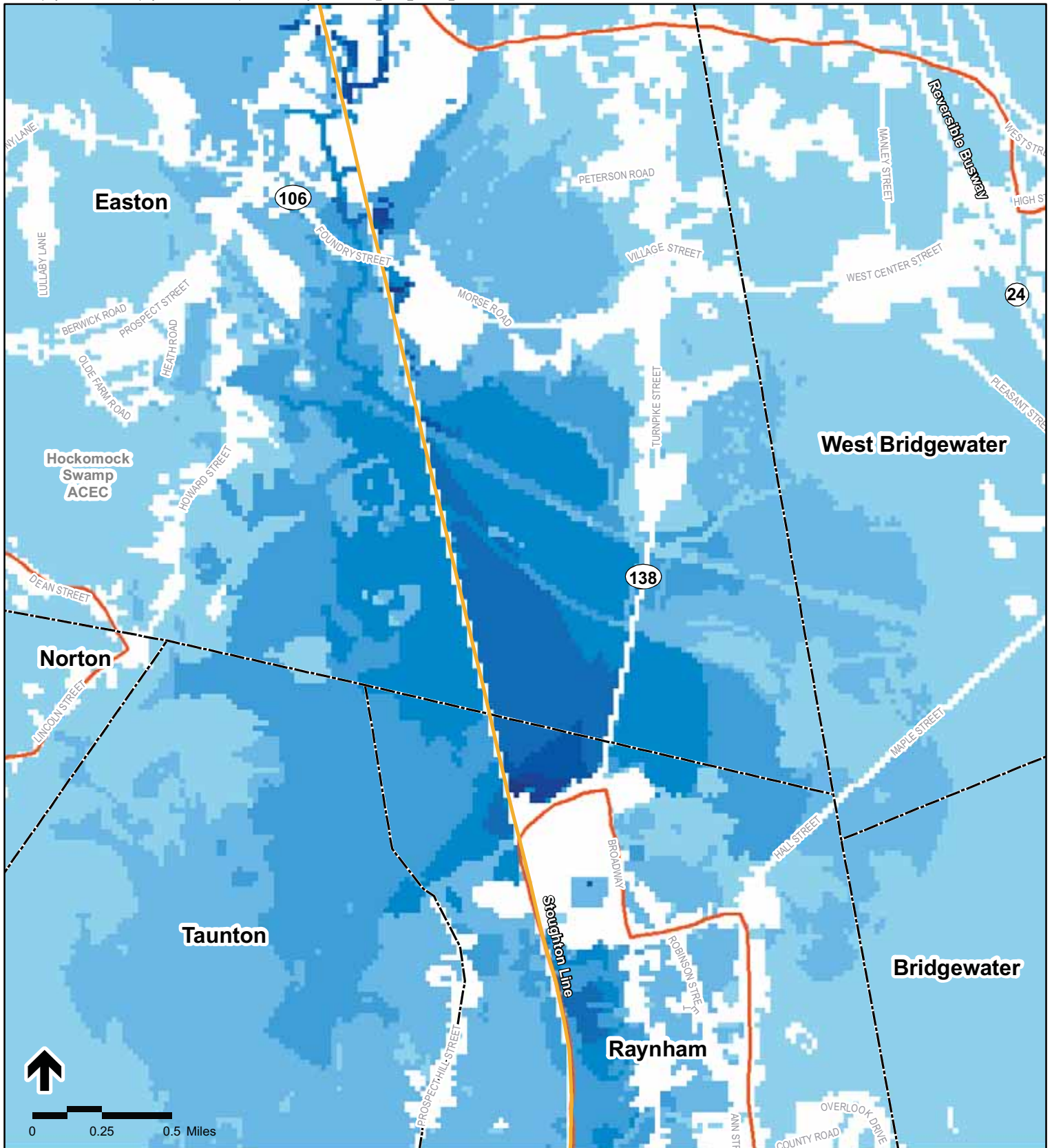
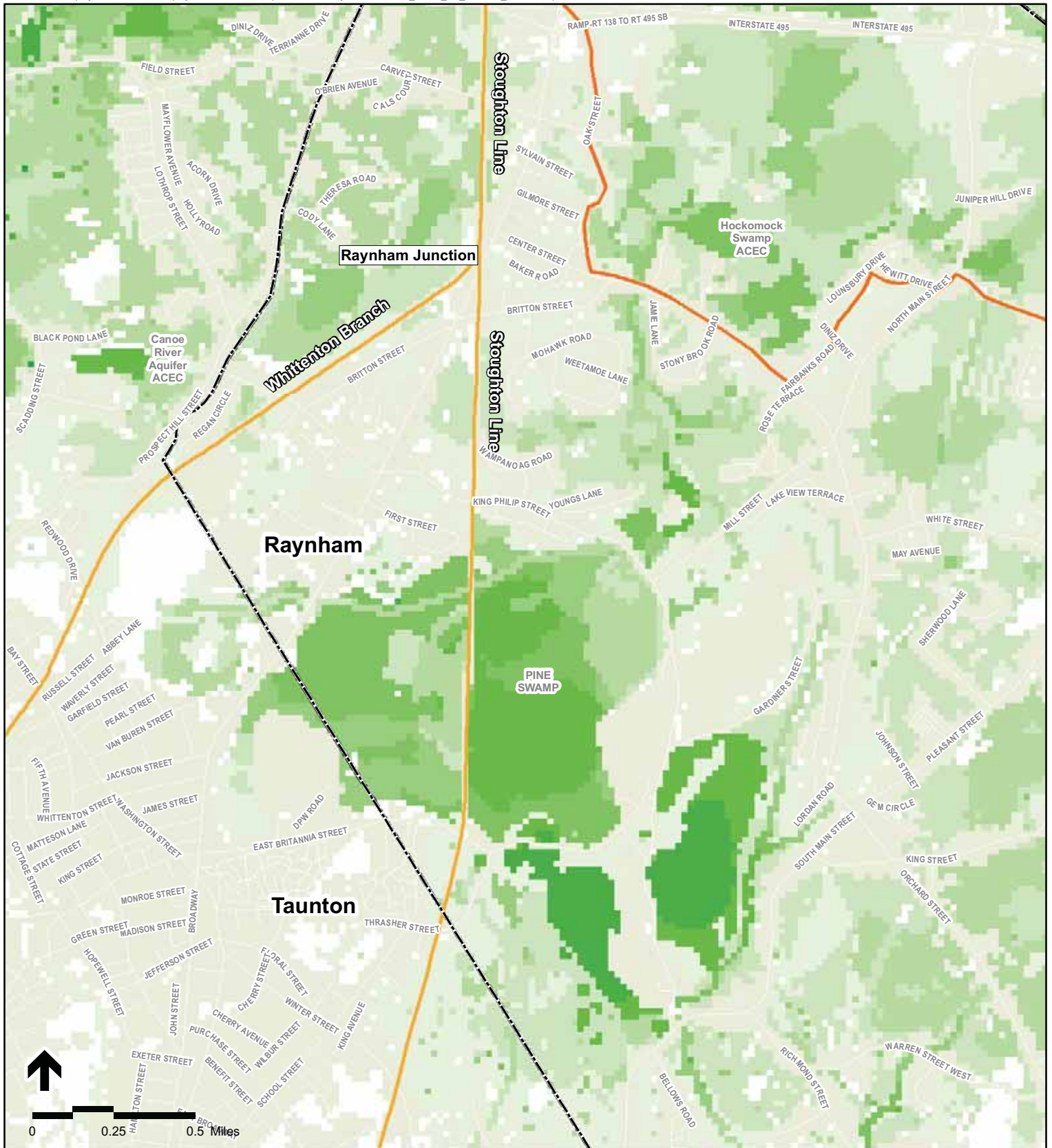


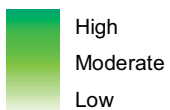
Figure 4.14-29

Change in Connectedness
 for the Hockomock Swamp
 (with trestle)



Legend

Connectedness



Area of Critical Environmental Concern (ACEC)

Town Boundaries

Proposed Alternative

Figure 4.14-30

Existing Connectedness for the
Pine Swamp

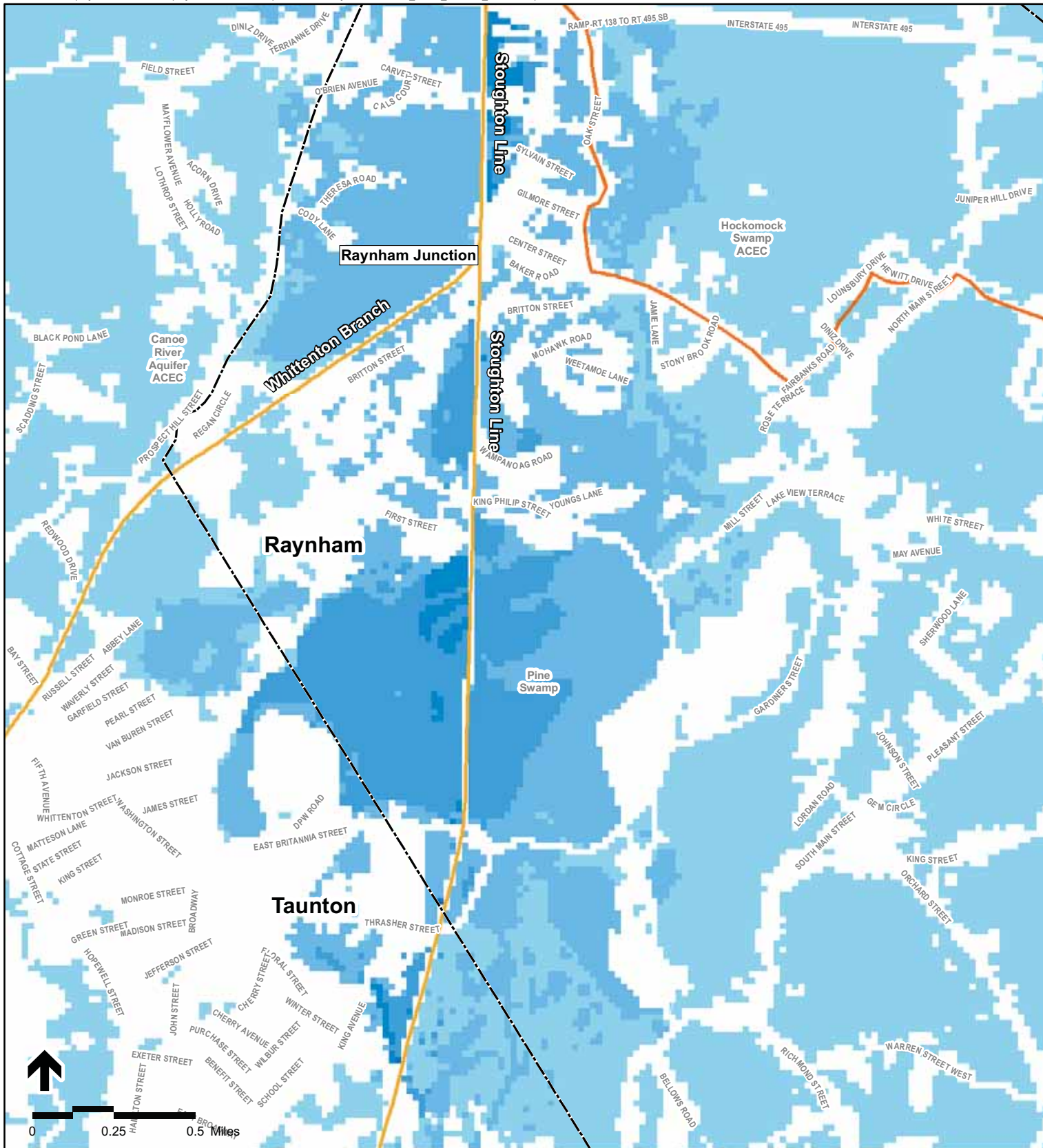


Figure 4.14-31

Change in Connectedness
for the Pine Swamp