Final Environmental Impact Statement
Tier 2 - Presque Isle ByPass

FHWA-ME-EIS-02-1-F

Aroostook County

Transportation Study

Aroostook County, Maine

Figures

Federal Highway Administration

Maine Department of Transportation

January 2013

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Final Environmental Impact Statement
Tier 2 - Presque Isle Bypass

FHWA-ME-EIS-02-1-F

Aroostook County

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January 2013

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*Figures 2-6 and 4-14 can be found in Volume 1 of this FEIS. All other figures can be found in this volume (Volume 2).

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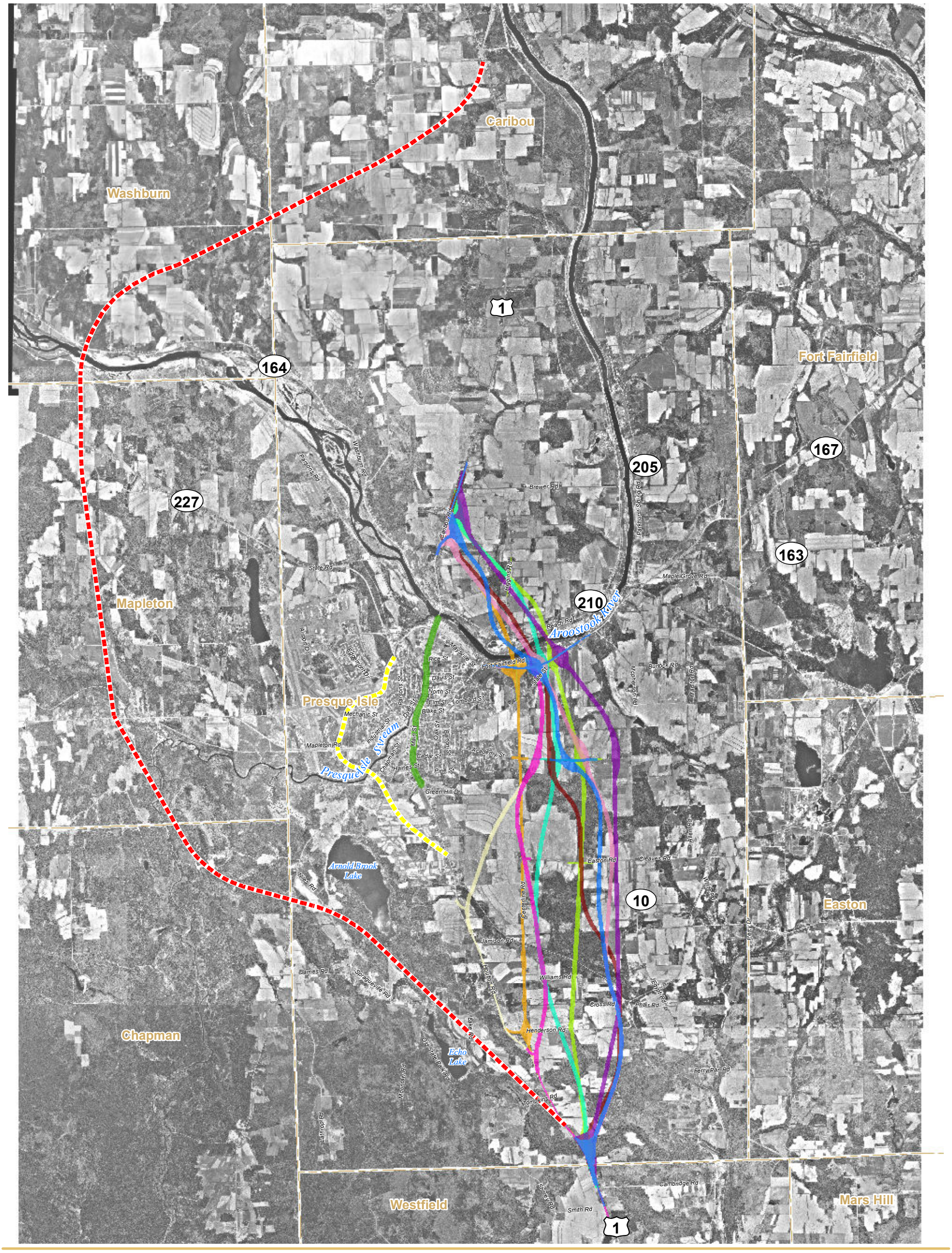
\\mawatr\ev\06520.02\GIS\project\Presque_Isle\Fig_2-3 Segment 7 Alignment Options.mxd



Legend

Segment 7 Alignment Options

- Alignment Option 1
- Alignment Option 2X
- Alignment Option 3
- Alignment Option 4
- Alignment Option 4A
- Alignment Option 4B
- Alignment Option 5
- Alignment Option 6
- Alignment Option 7
- Route 1 Upgrade
- Far West Alternative
- Near West Alternative
- Town Boundaries

0 3,000 6,000 Feet

Locus

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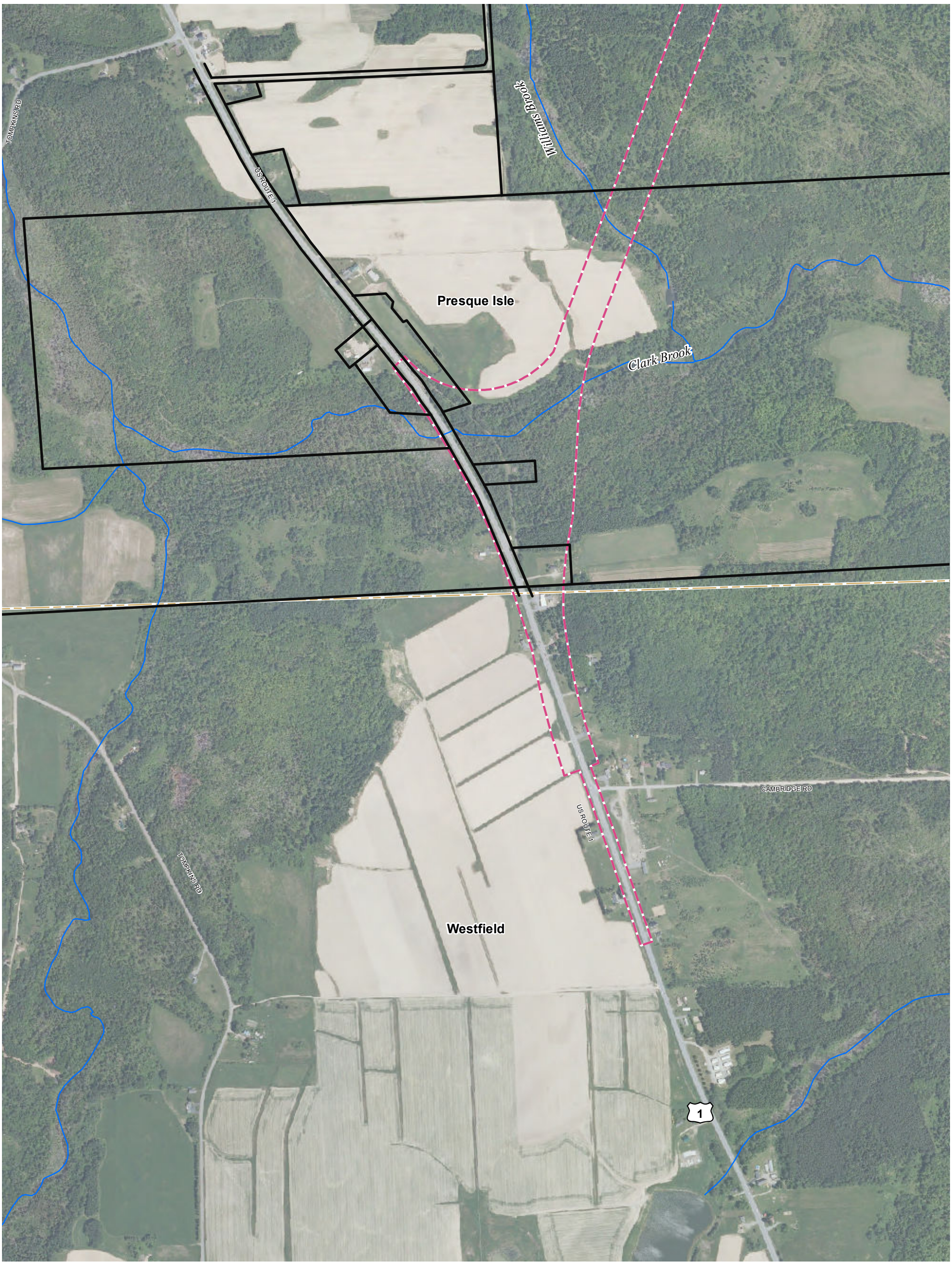
Figure S-1

Presque Isle Bypass Alignment Options



Legend

Alignment Option (300-foot right-of-way)

Alignment Option 7

Parcel Boundary

Streams

Note: Parcel boundaries are approximate

Parcel Boundary Data Source: Langille Aroostook Engineering Group, 2004

0 400 800 Feet

Location Map

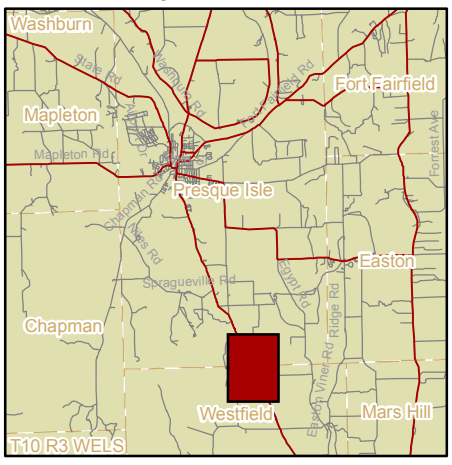


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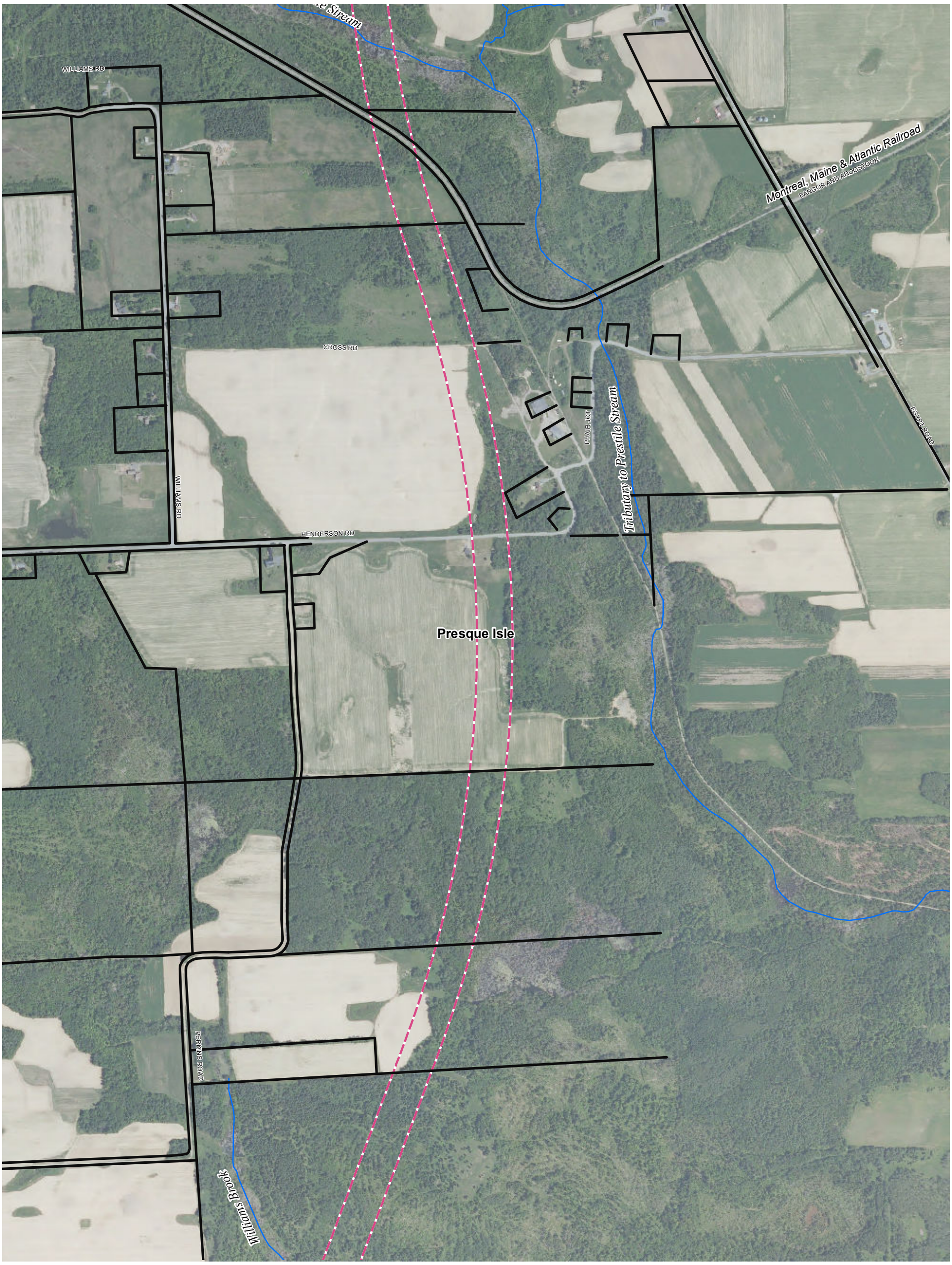
Figure S-2a

Detailed View of Presque Isle Bypass Alignment Option 7

\\MAWATR\ev\06520.02\GIS\project\Presque_Isle\Final\Fig_S-2 Detailed View of Presque Isle opt7.mxd 10/19/2012



Legend

Alignment Option (300-foot right-of-way)

Alignment Option 7

Parcel Boundary

Streams

Note: Parcel boundaries are approximate

Parcel Boundary Data Source: Langille Aroostook Engineering Group, 2004

0 400 800 Feet

Location Map

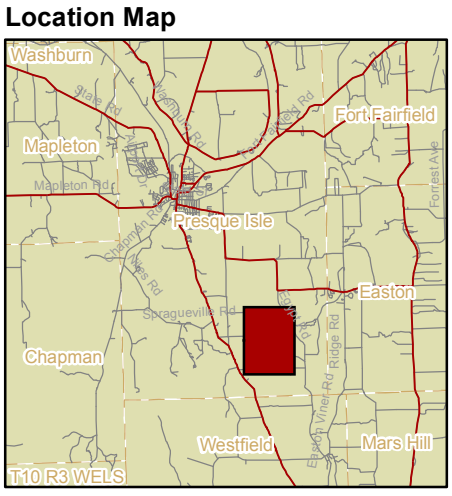


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Figure S-2b

Detailed View of Presque Isle Bypass Alignment Option 7

\\MAWATR\ev\06520.02\GIS\project\Presque_Isle\Final\Fig_S-2 Detailed View of Presque Isle opt7.mxd 10/19/2012

EASTON ROAD

10

CLEAV

Presque Isle

ROUTE 10 - EASTON ROAD

ROUTE 10 - EASTON ROA

EGYPT ROAD

Tributary to Prestile Stream

WILLIAMS RD

Legend

Alignment Option (300-foot right-of-way)

Alignment Option 7

Parcel Boundary

Streams

Note: Parcel boundaries are approximate

Parcel Boundary Data Source: Langille Aroostook Engineering Group, 2004

0 400 800 Feet

Location Map

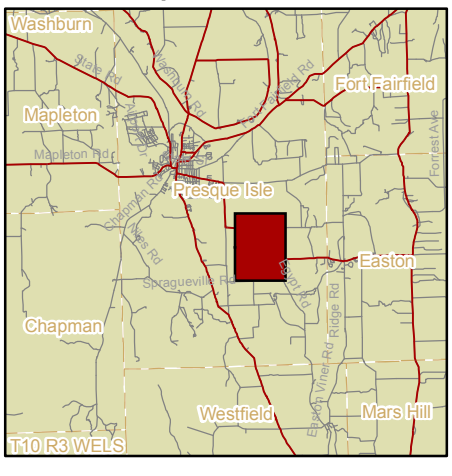

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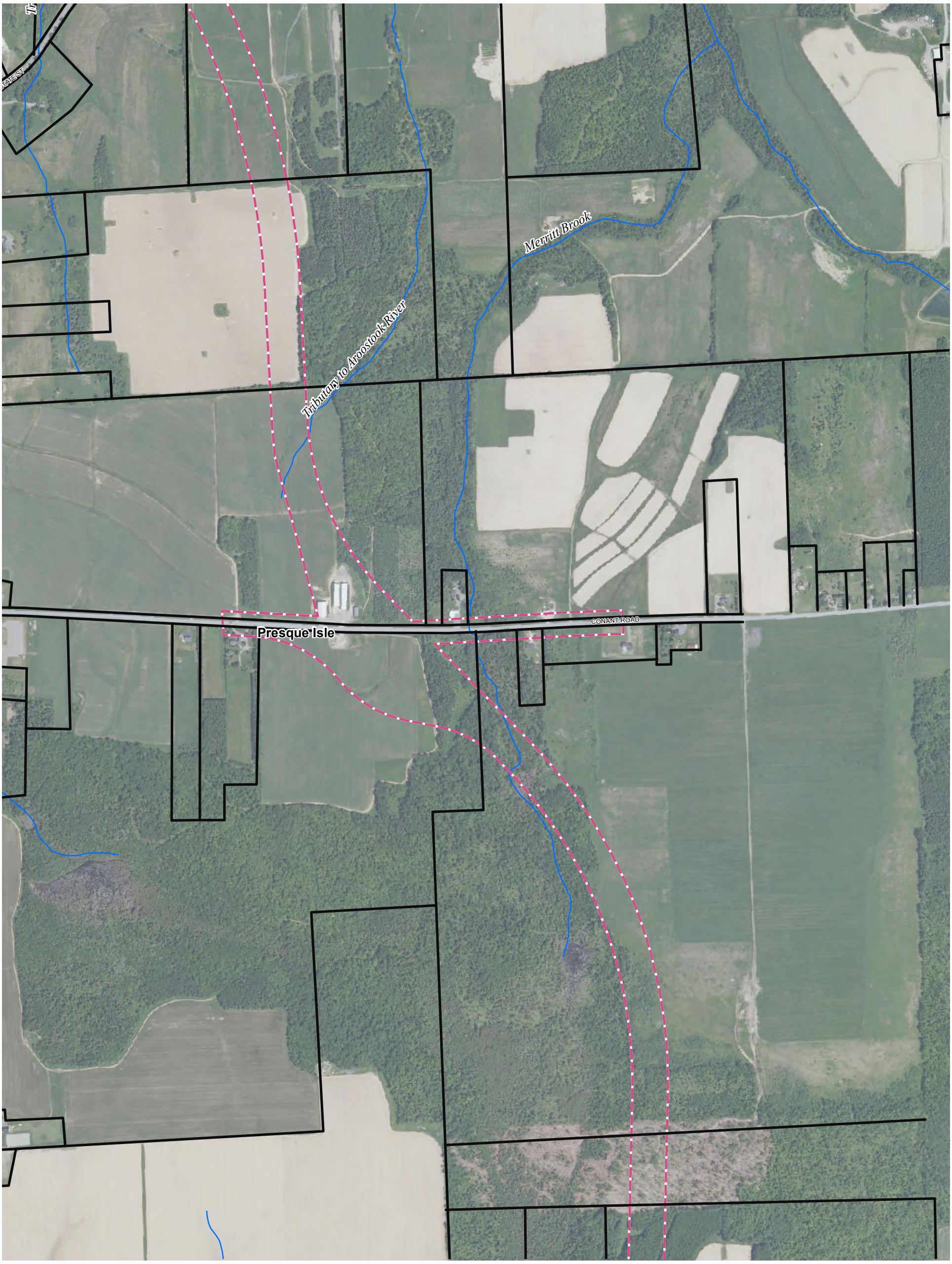
Figure S-2c

Detailed View of Presque Isle Bypass Alignment Option 7



Legend

Alignment Option (300-foot right-of-way)

Alignment Option 7

Parcel Boundary

Streams

Note: Parcel boundaries are approximate

Parcel Boundary Data Source: Langille Aroostook Engineering Group, 2004

0 400 800 Feet

Location Map

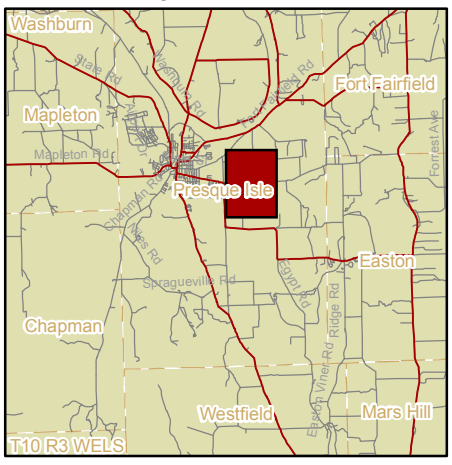


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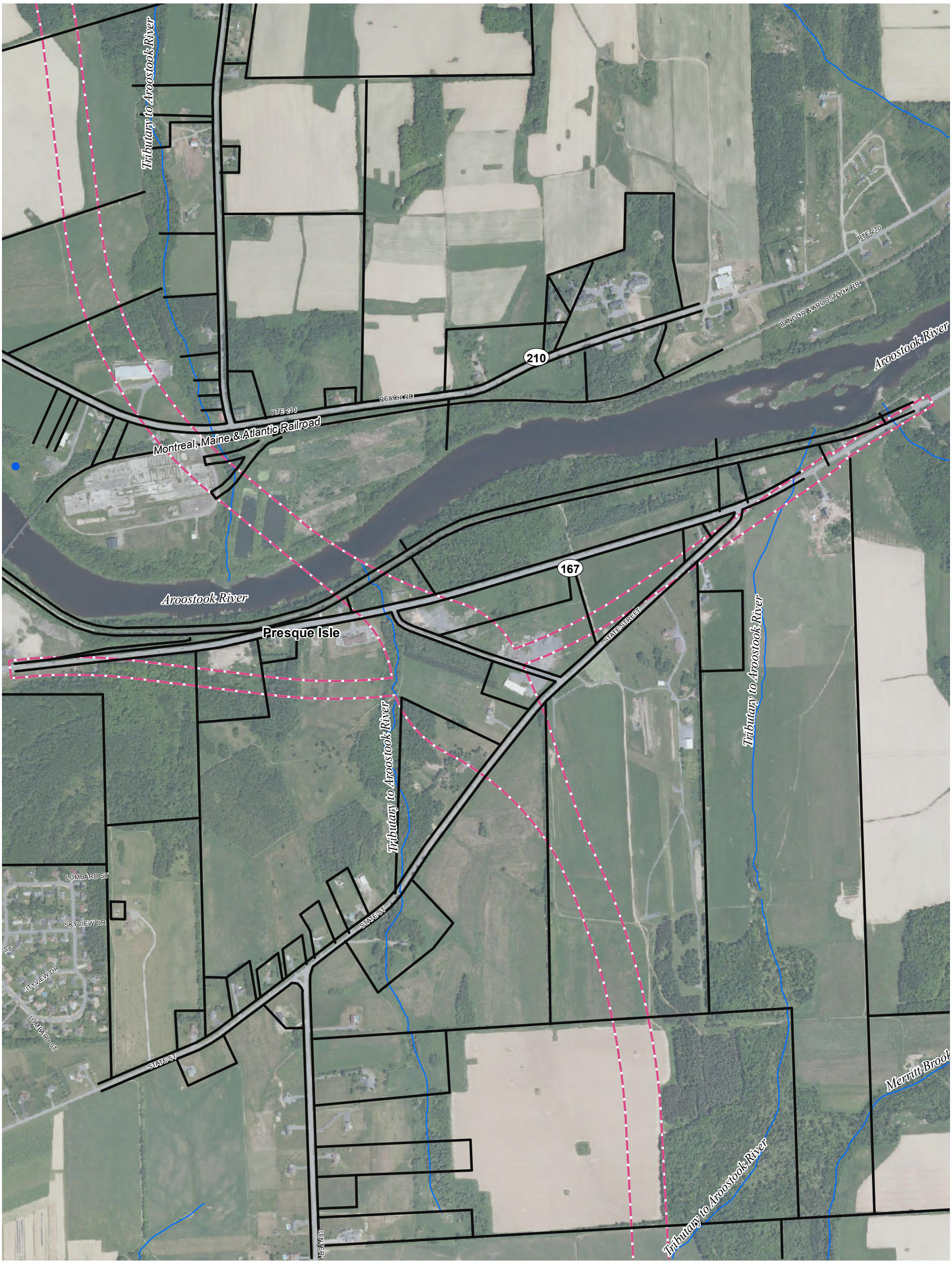
Figure S-2d

Detailed View of Presque Isle Bypass Alignment Option 7



Legend

Alignment Option (300-foot right-of-way)

Alignment Option 7

Parcel Boundary

Streams

Note: Parcel boundaries are approximate

Parcel Boundary Data Source: Langille Aroostook Engineering Group, 2004

0 400 800 Feet

Location Map

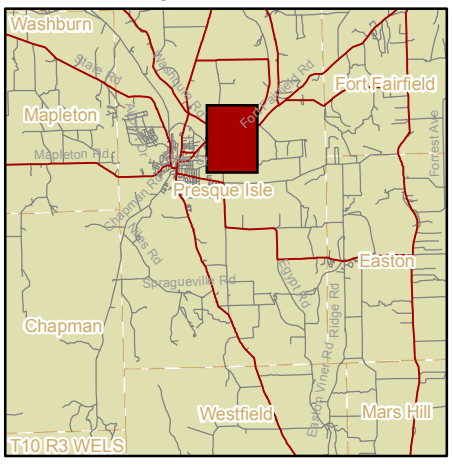


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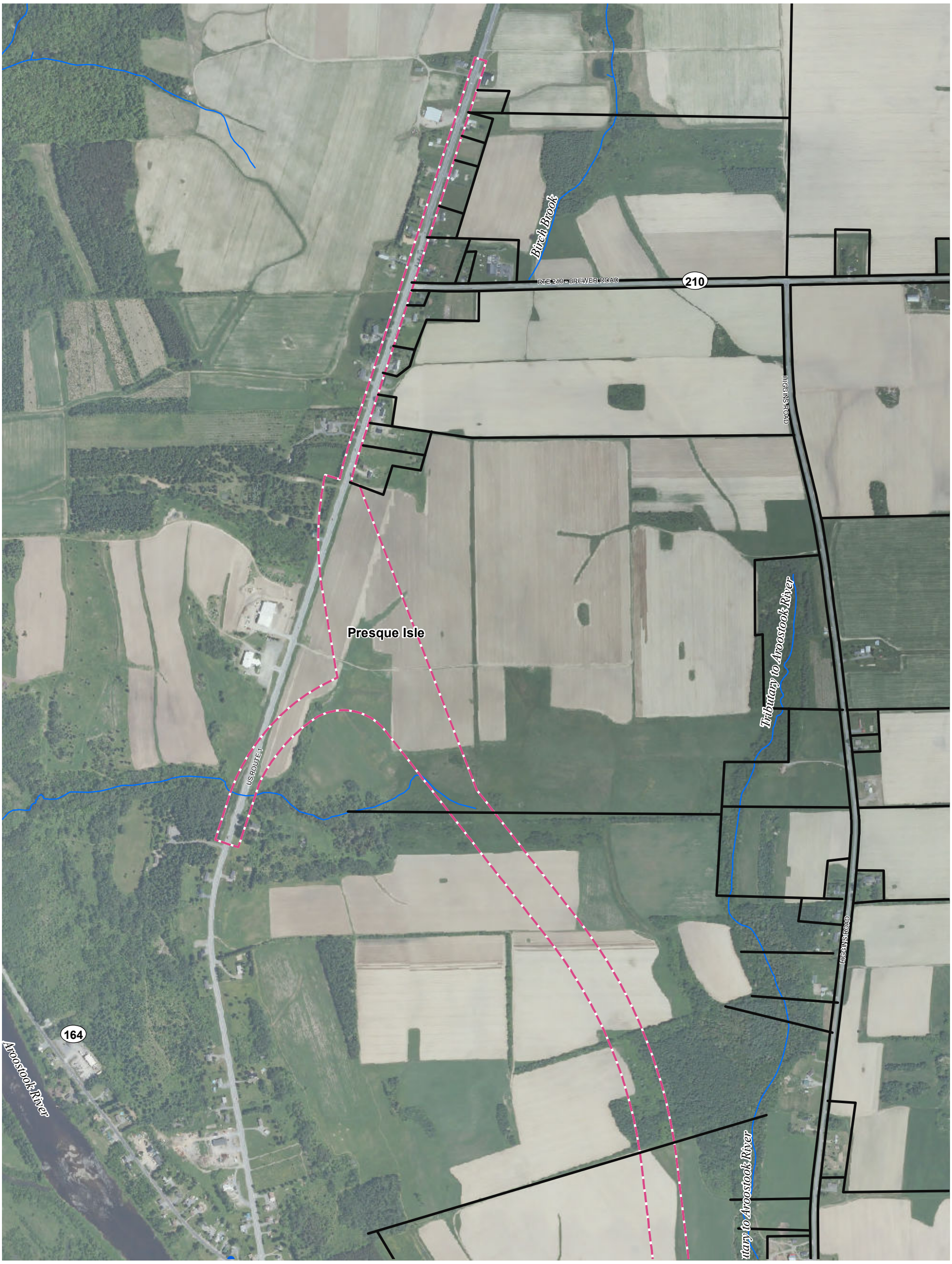
Figure S-2e

Detailed View of Presque Isle Bypass Alignment Option 7



Legend

Alignment Option (300-foot right-of-way)

Alignment Option 7

Parcel Boundary

Streams

Note: Parcel boundaries are approximate

Parcel Boundary Data Source: Langille Aroostook Engineering Group, 2004

0 400 800 Feet

Location Map

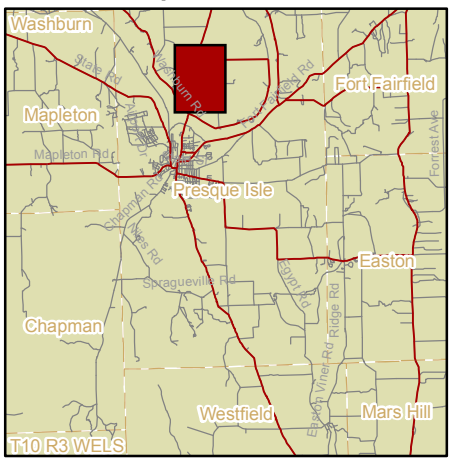


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Figure S-2f

Detailed View of Presque Isle Bypass Alignment Option 7

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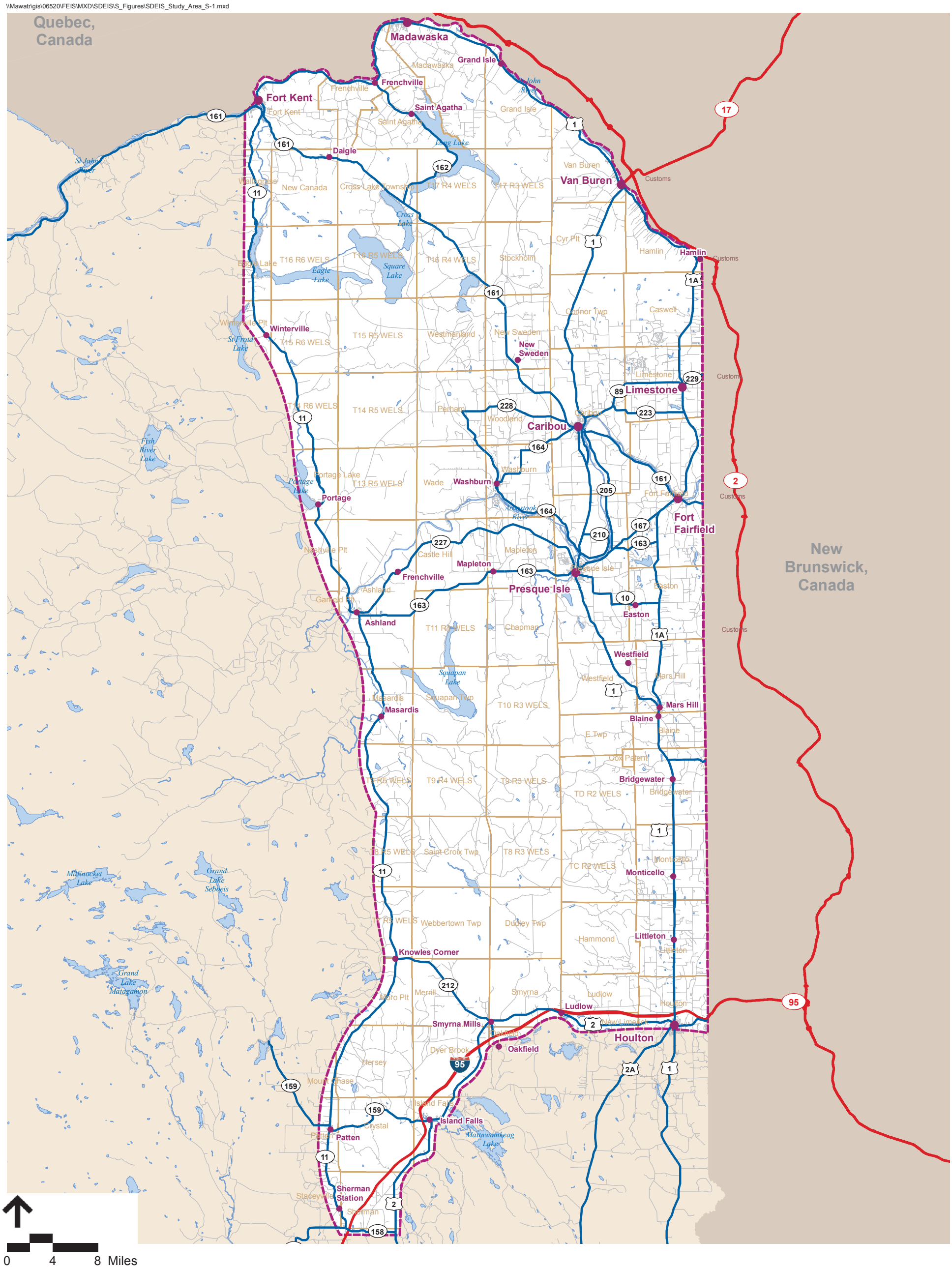

0 4 8 Miles

Limit of Study Area

Major Roads

Limited Access Highways

Locus

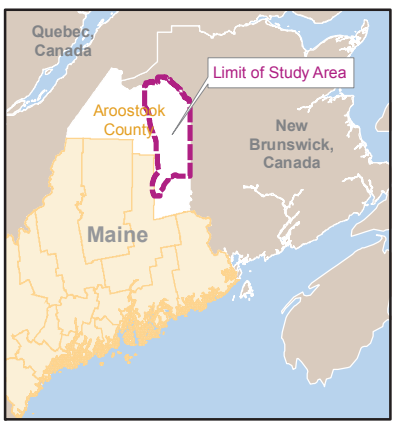

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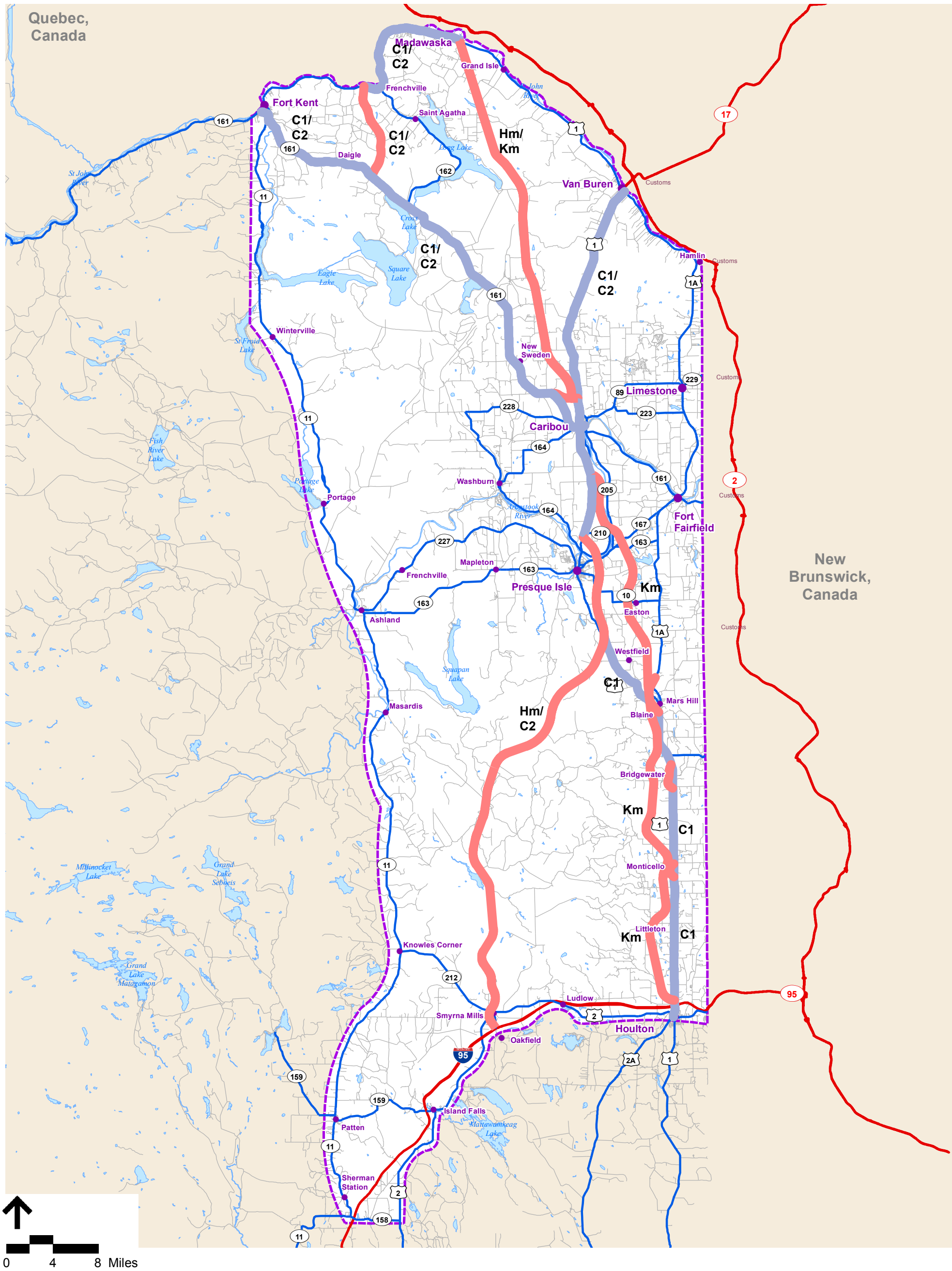
Figure 1-1
ACTS Study Area

\\mawatr\ev\06520.02\GIS\project\Presque_Isle\Fig_S-2 FEIS Corridors.mxd



Limit of Study Area
Upgrade Corridor
New Highway

Locus

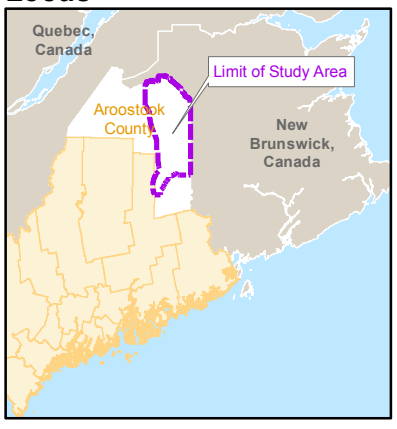


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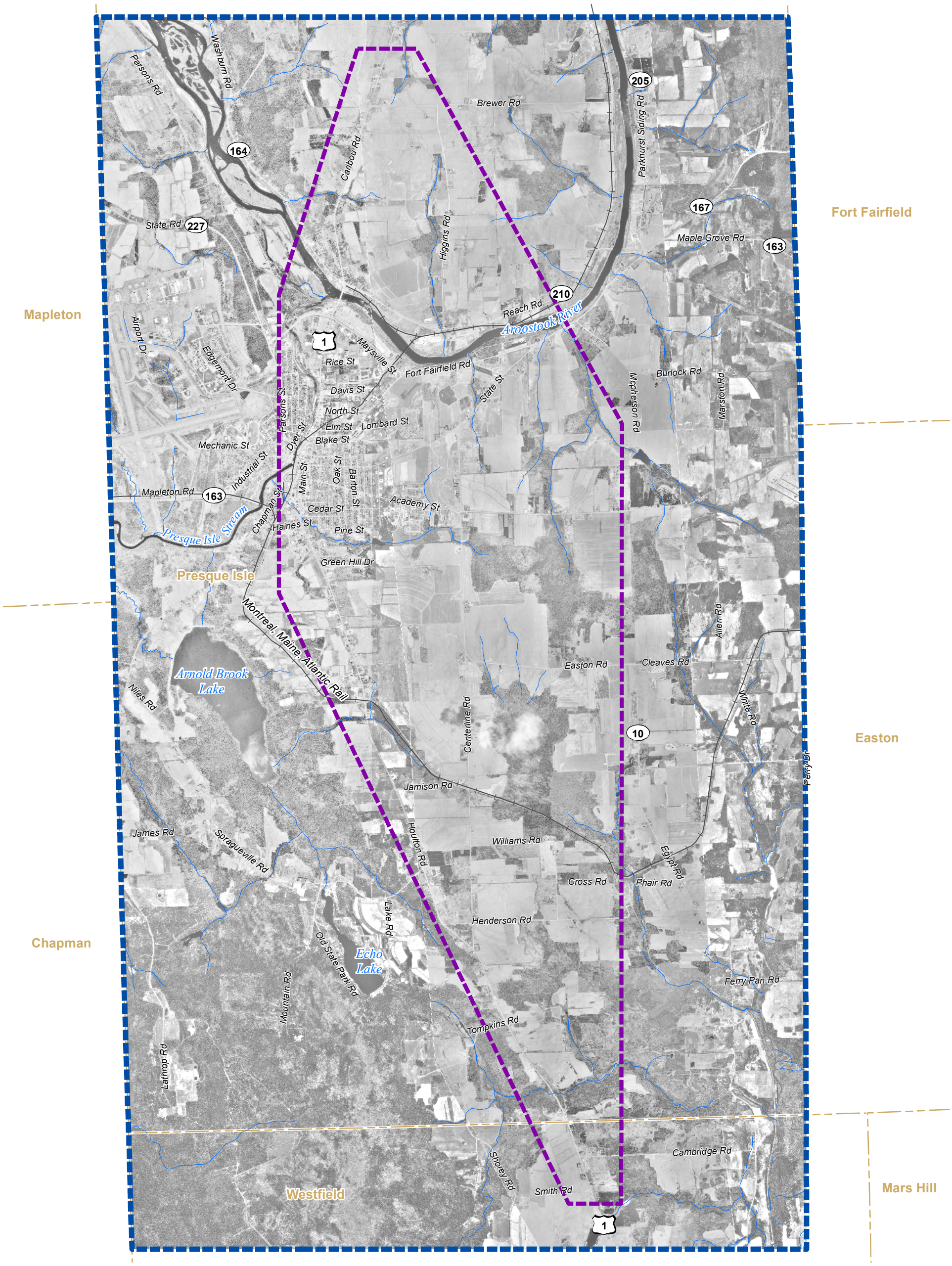
Figure 1-2
Tier 1 FEIS Corridors

\\mawatr\ev\06520.02\GIS\project\Presque_Isle\Fig_2-1 Presque Isle Study Area.mxd



Legend

- Town Boundaries
- Boundary of Reference Area
- Boundary of Study Area

Locus

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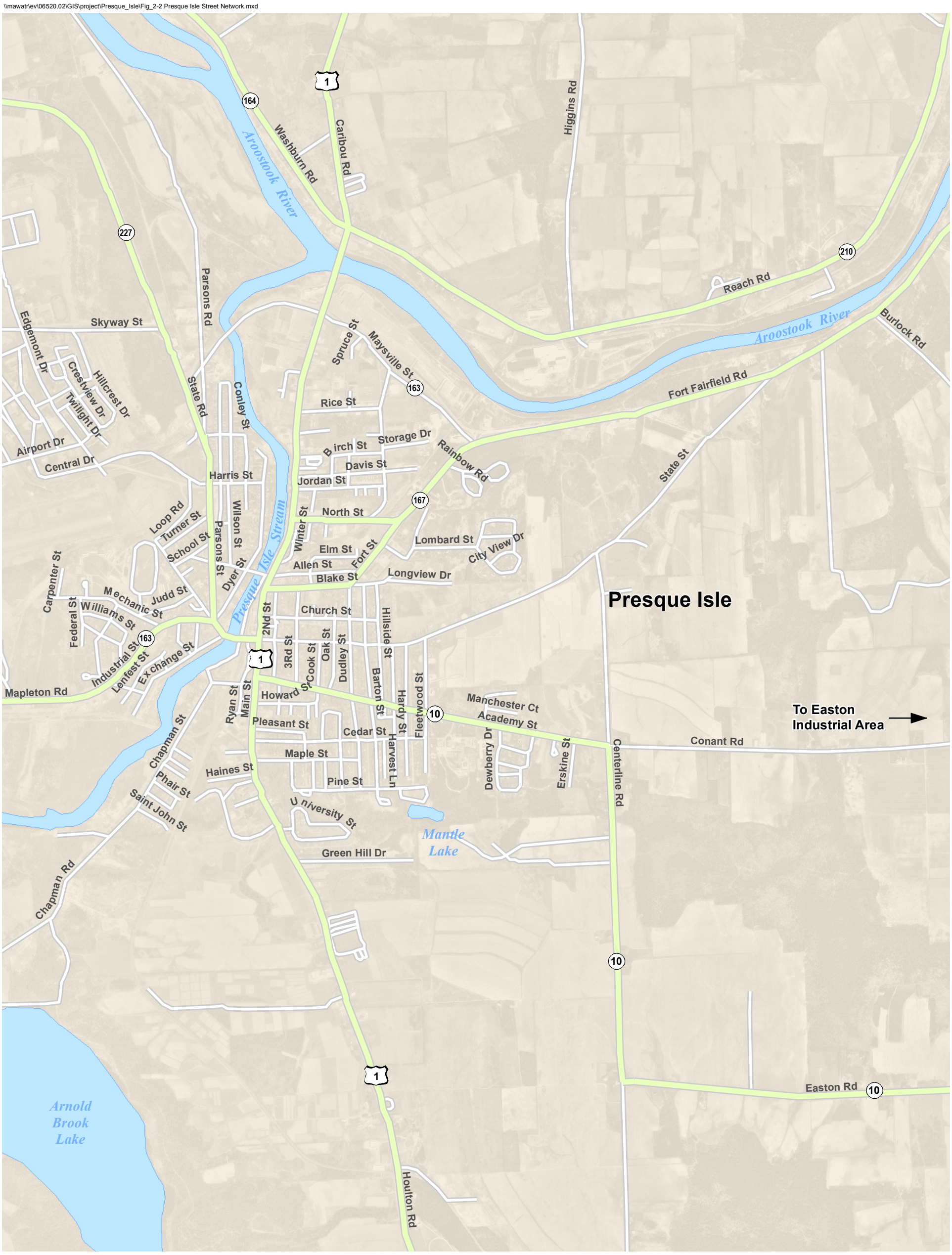
Figure 2-1

Presque Isle
Reference Area and Study Area

0 2,250 4,500 Feet

\\mawatr\ev\06520.02\GIS\project\Presque_Isle\Fig_2-2 Presque Isle Street Network.mxd



Locus

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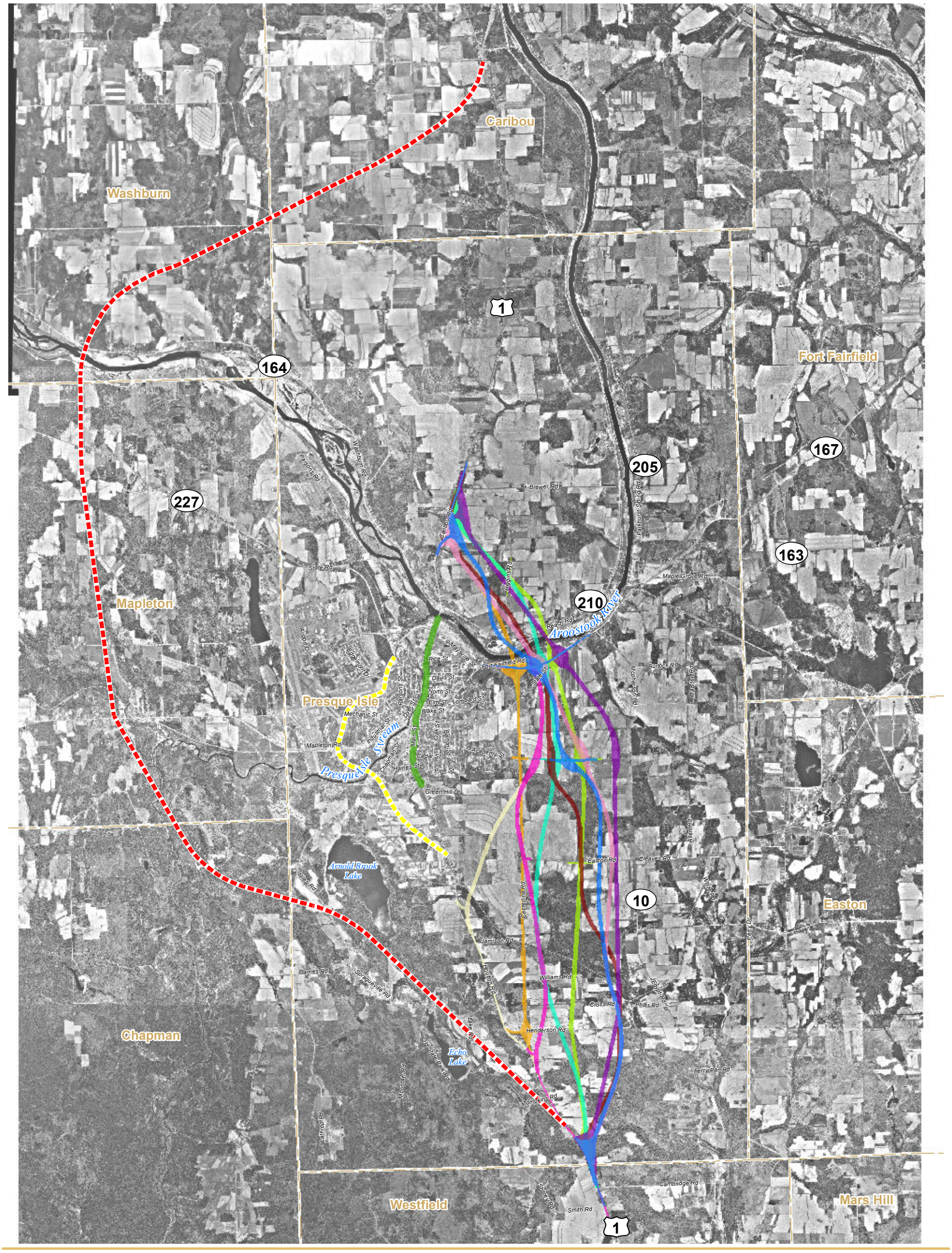
Figure 2-2

Presque Isle
Downtown Street Network

0 1,000 2,000 Feet

\\mawatr\ev\06520.02\GIS\project\Presque_Isle\Fig_2-3 Segment 7 Alignment Options.mxd



Legend

Segment 7 Alignment Options

- Alignment Option 1
- Alignment Option 2X
- Alignment Option 3
- Alignment Option 4
- Alignment Option 4A
- Alignment Option 4B
- Alignment Option 5
- Alignment Option 6
- Alignment Option 7
- Route 1 Upgrade
- Far West Alternative
- Near West Alternative
- Town Boundaries

0 3,000 6,000 Feet

Locus

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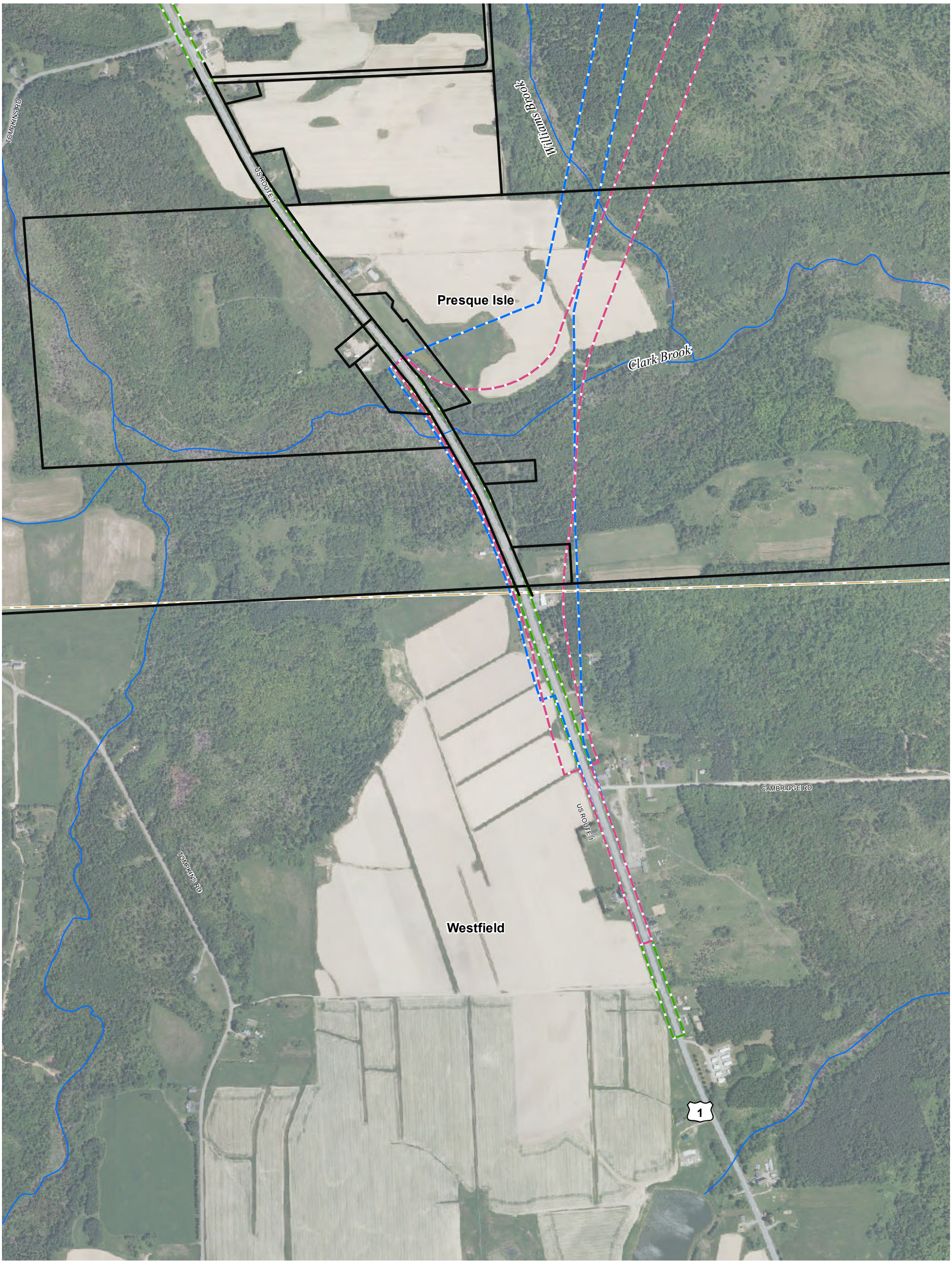
Figure 2-3

Presque Isle Bypass Alignment Options



Legend

Alignment Options (300-foot right-of-way)

- Alignment Option 4B
- Alignment Option 6
- Alignment Option 7
- Parcel Boundary
- Streams

Note: Parcel boundaries are approximate

Parcel Boundary Data Source: Langille Aroostook Engineering Group, 2004

0 400 800 Feet

Location Map

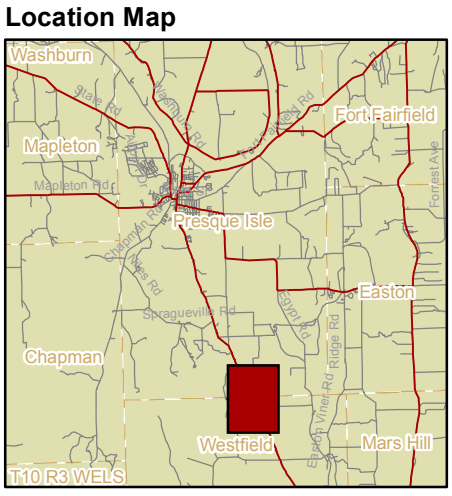


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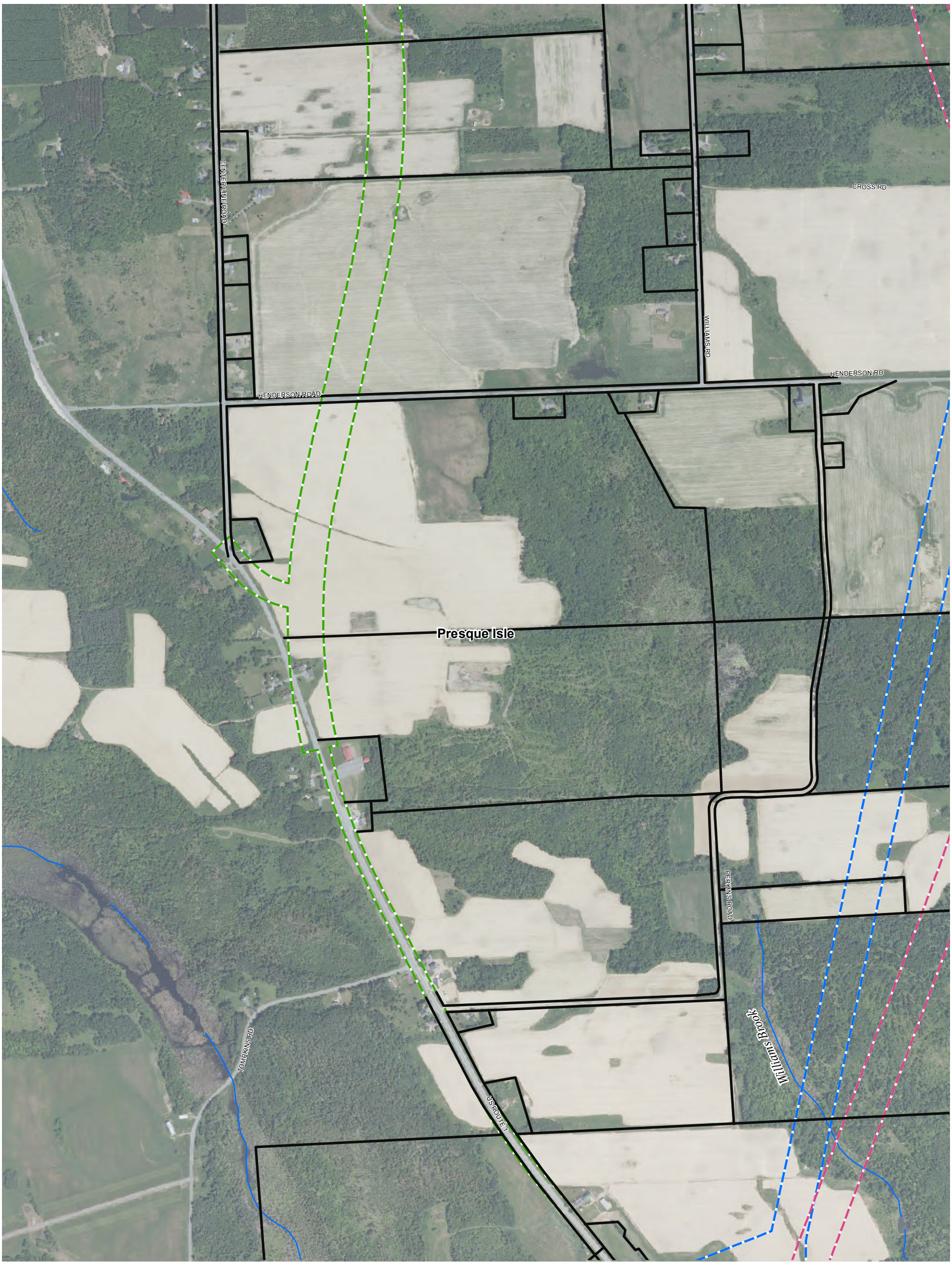
Figure 2-4a

Detailed View of Presque Isle Bypass Tier 2 FEIS Alternatives

\\MAWATR\ev\06520.02\GIS\project\Presque_Isle\Final\Fig_2-4 Detailed View of Presque Isle.mxd 10/19/2012



Legend

Alignment Options (300-foot right-of-way)

- Alignment Option 4B
- Alignment Option 6
- Alignment Option 7

Note: Parcel boundaries are approximate

Parcel Boundary Data Source: Langille Aroostook Engineering Group, 2004

- Parcel Boundary
- Streams

0 400 800 Feet

Location Map

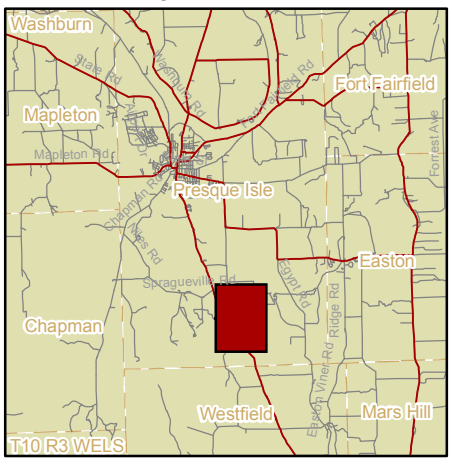


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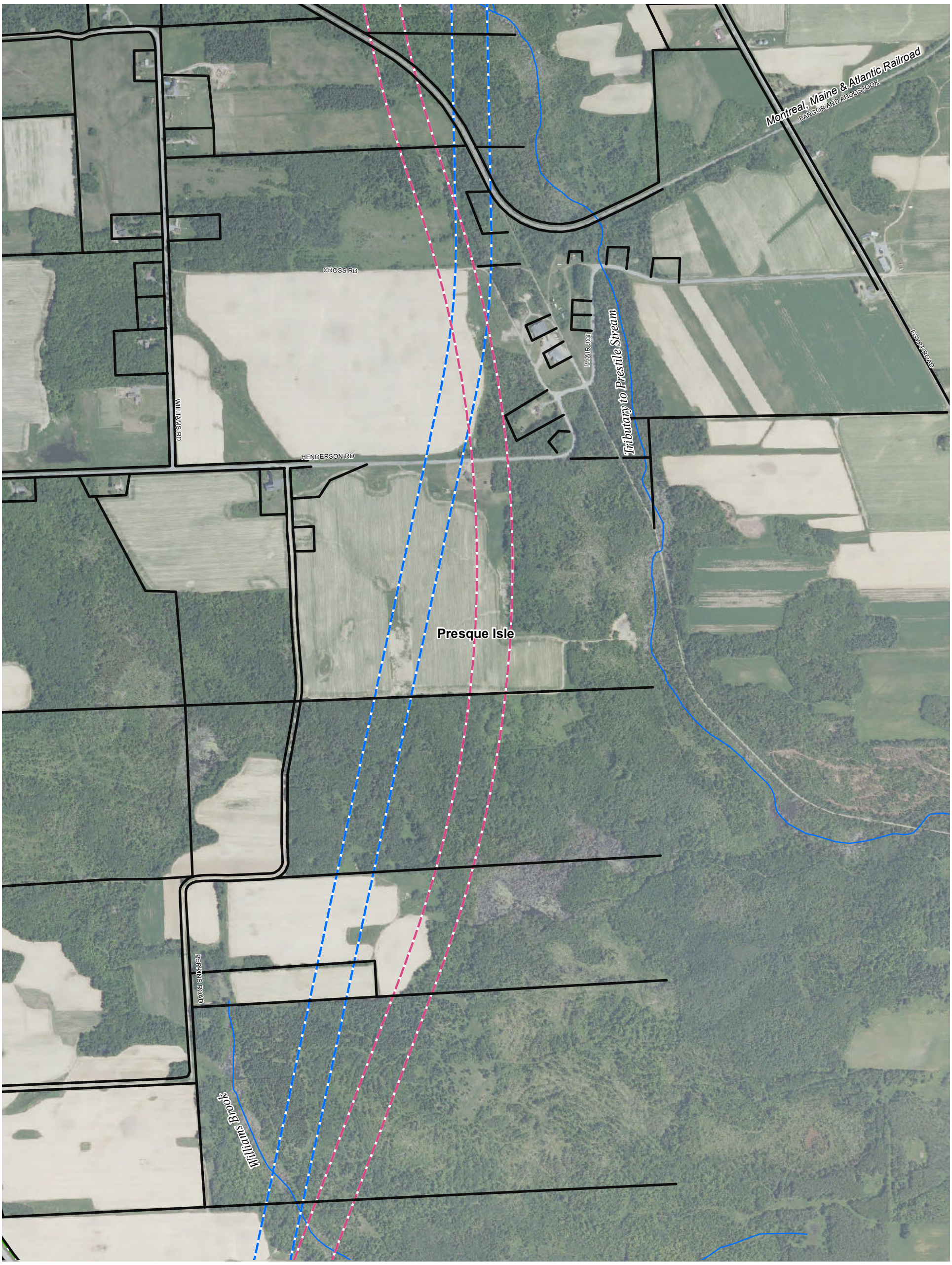
Figure 2-4b

Detailed View of Presque Isle Bypass Tier 2 FEIS Alternatives

\\MAWATR\ev\06520.02\GIS\project\Presque_Isle\Final\Fig_2-4 Detailed View of Presque Isle.mxd 10/19/2012



Legend

Alignment Options (300-foot right-of-way)

- Alignment Option 4B
- Alignment Option 6
- Alignment Option 7

Note: Parcel boundaries are approximate

Parcel Boundary Data Source: Langille Aroostook Engineering Group, 2004

- Parcel Boundary
- Streams

0 400 800 Feet

Location Map

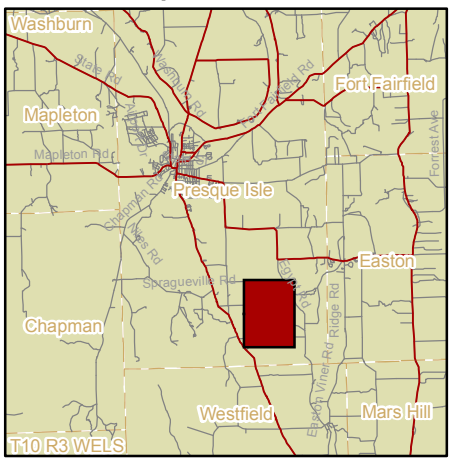


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Figure 2-4c

Detailed View of Presque Isle Bypass Tier 2 FEIS Alternatives

Legend

Alignment Options (300-foot right-of-way)

- Alignment Option 4B
- Alignment Option 6
- Alignment Option 7

Note: Parcel boundaries are approximate

Parcel Boundary Data Source: Langille Aroostook Engineering Group, 2004

- Parcel Boundary
- Streams

0 400 800 Feet

Location Map

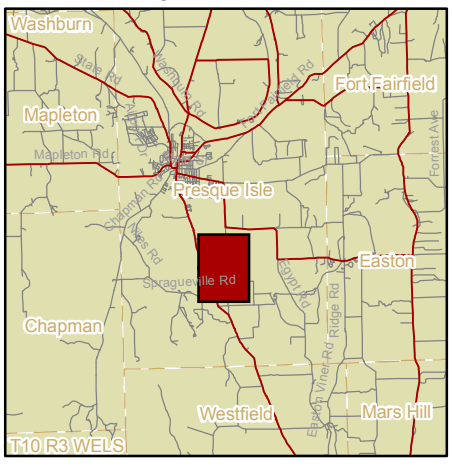

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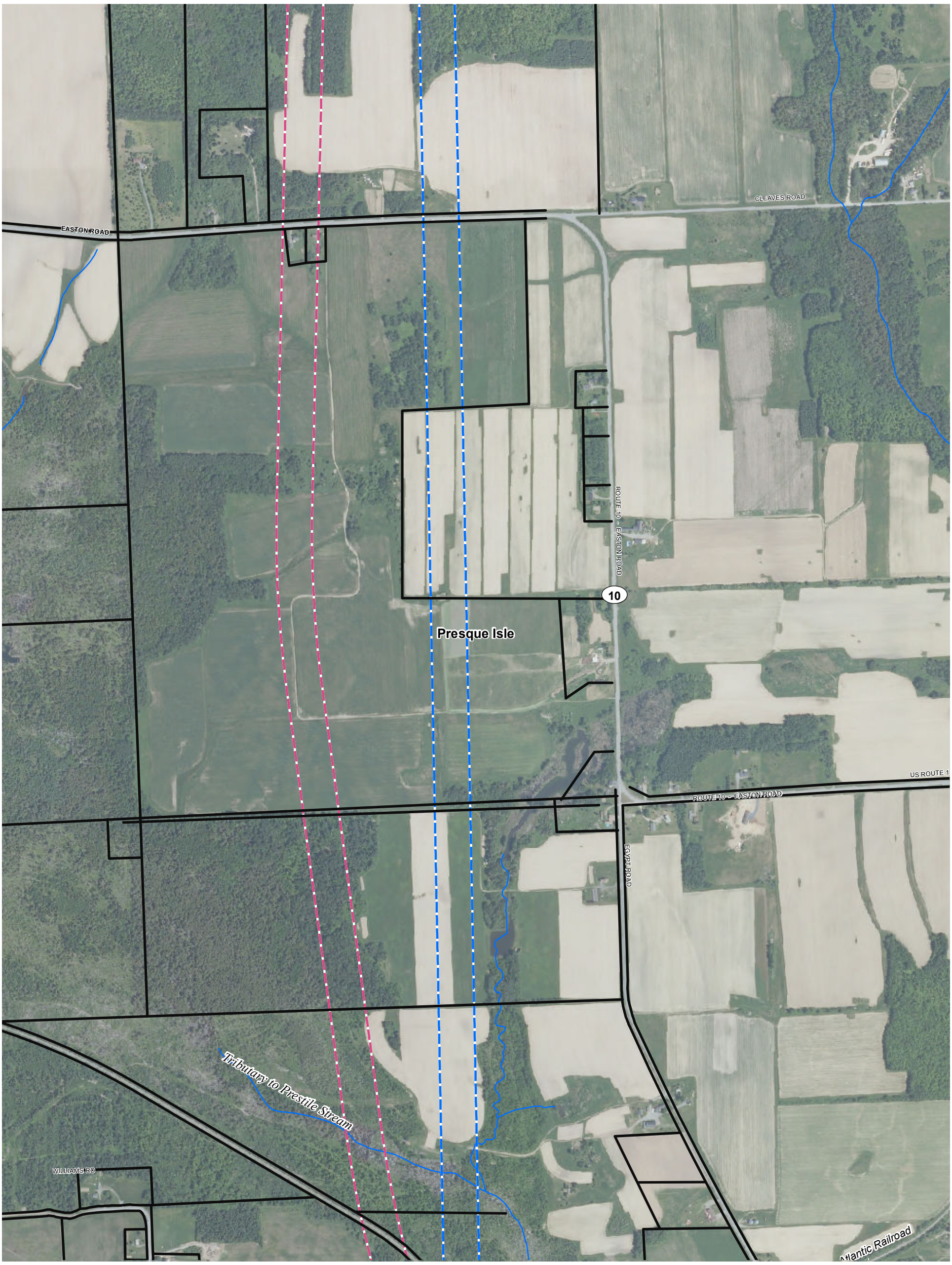
Figure 2-4d

Detailed View of Presque Isle Bypass Tier 2 FEIS Alternatives

\\MAWATR\ev\06520.02\GIS\project\Presque_Isle\Final\Fig_2-4 Detailed View of Presque Isle.mxd 10/19/2012



Legend

Alignment Options (300-foot right-of-way)

- Alignment Option 4B
- Alignment Option 6
- Alignment Option 7
- Parcel Boundary
- Streams

Note: Parcel boundaries are approximate

Parcel Boundary Data Source: Langille Aroostook Engineering Group, 2004

0 400 800 Feet

Location Map

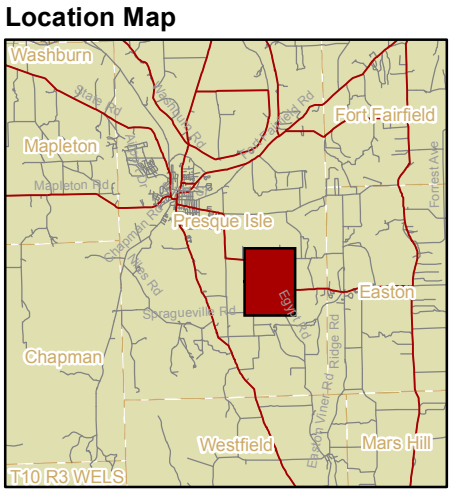


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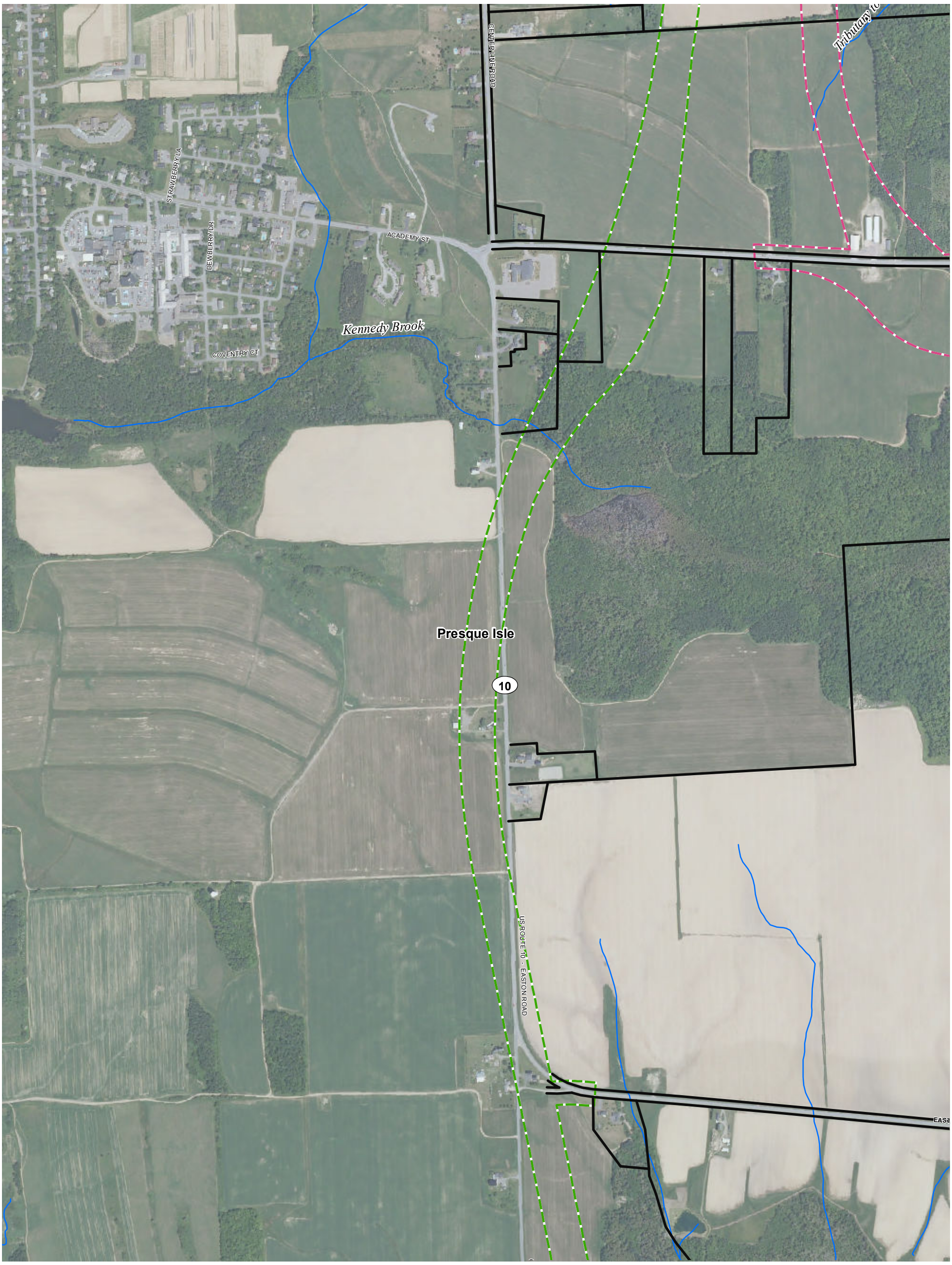
Figure 2-4e

Detailed View of Presque Isle Bypass Tier 2 FEIS Alternatives

\\MAWATR\ev\06520.02\GIS\project\Presque_Isle\Final\Fig_2-4 Detailed View of Presque Isle.mxd 10/19/2012



Legend

Alignment Options (300-foot right-of-way)

- Alignment Option 4B
- Alignment Option 6
- Alignment Option 7
- Parcel Boundary
- Streams

Note: Parcel boundaries are approximate

Parcel Boundary Data Source: Langille Aroostook Engineering Group, 2004

0 400 800 Feet

Location Map

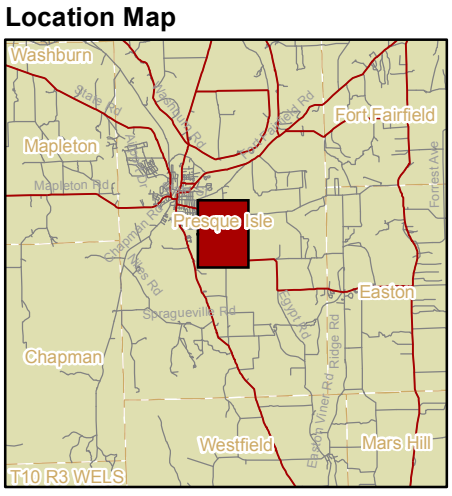


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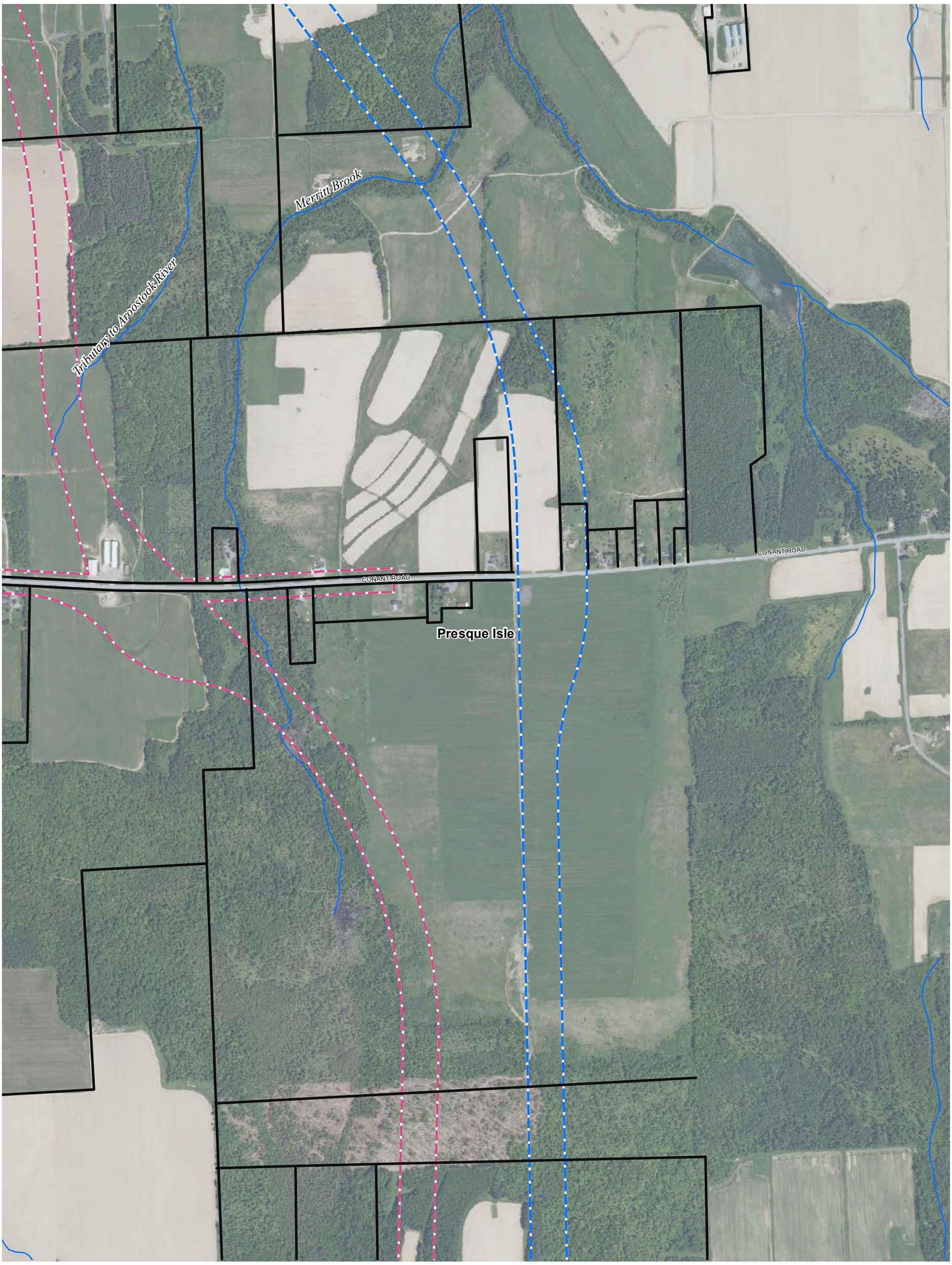
Figure 2-4f

Detailed View of Presque Isle Bypass Tier 2 FEIS Alternatives



Legend

Alignment Options (300-foot right-of-way)

- Alignment Option 4B
- Alignment Option 6
- Alignment Option 7

Note: Parcel boundaries are approximate

Parcel Boundary Data Source: Langille Aroostook Engineering Group, 2004

- Parcel Boundary
- Streams

0 400 800 Feet

Location Map

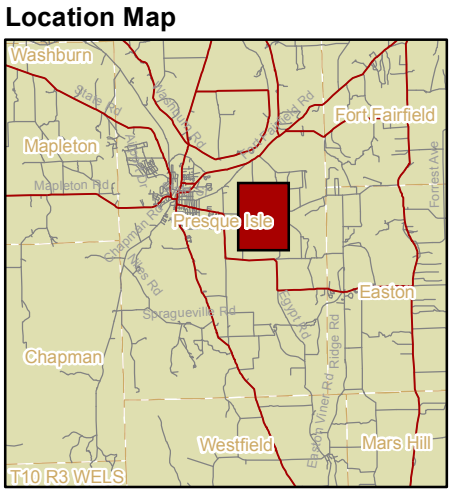


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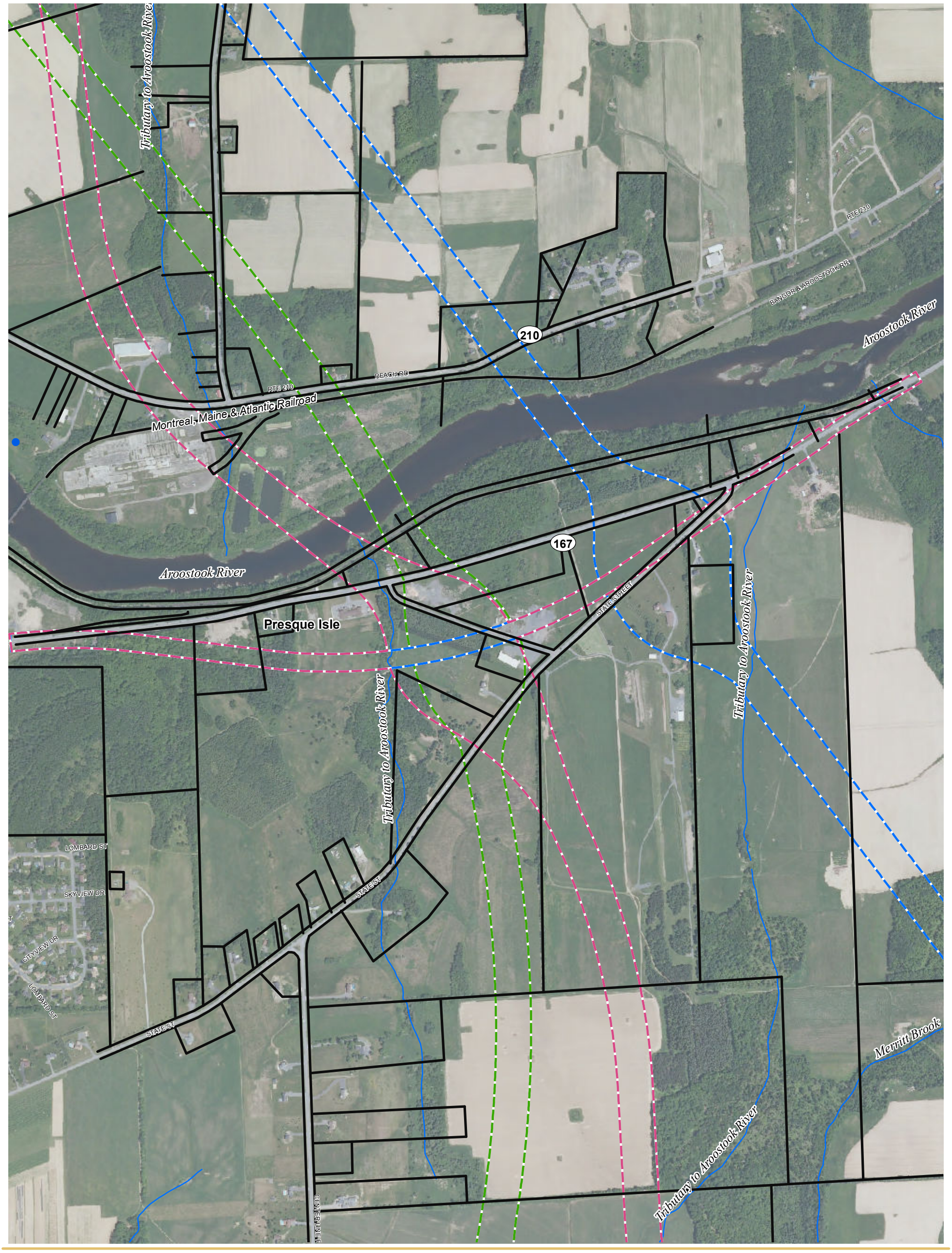
Figure 2-4g

Detailed View of Presque Isle Bypass Tier 2 FEIS Alternatives

\\MAWATR\ev\06520.02\GIS\project\Presque_Isle\Final\Fig_2-4 Detailed View of Presque Isle.mxd 10/19/2012



Legend

Alignment Options (300-foot right-of-way)

- Alignment Option 4B
- Alignment Option 6
- Alignment Option 7
- Parcel Boundary
- Streams

Note: Parcel boundaries are approximate

Parcel Boundary Data Source: Langille Aroostook Engineering Group, 2004

0 400 800 Feet

Location Map

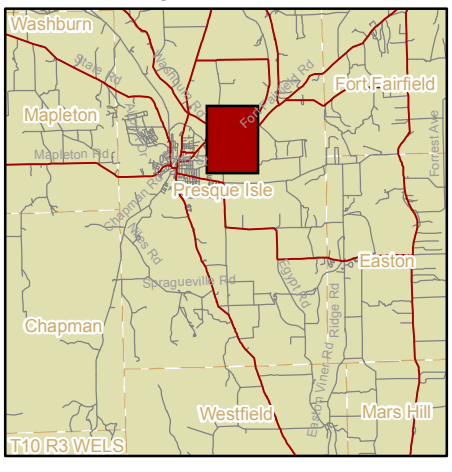


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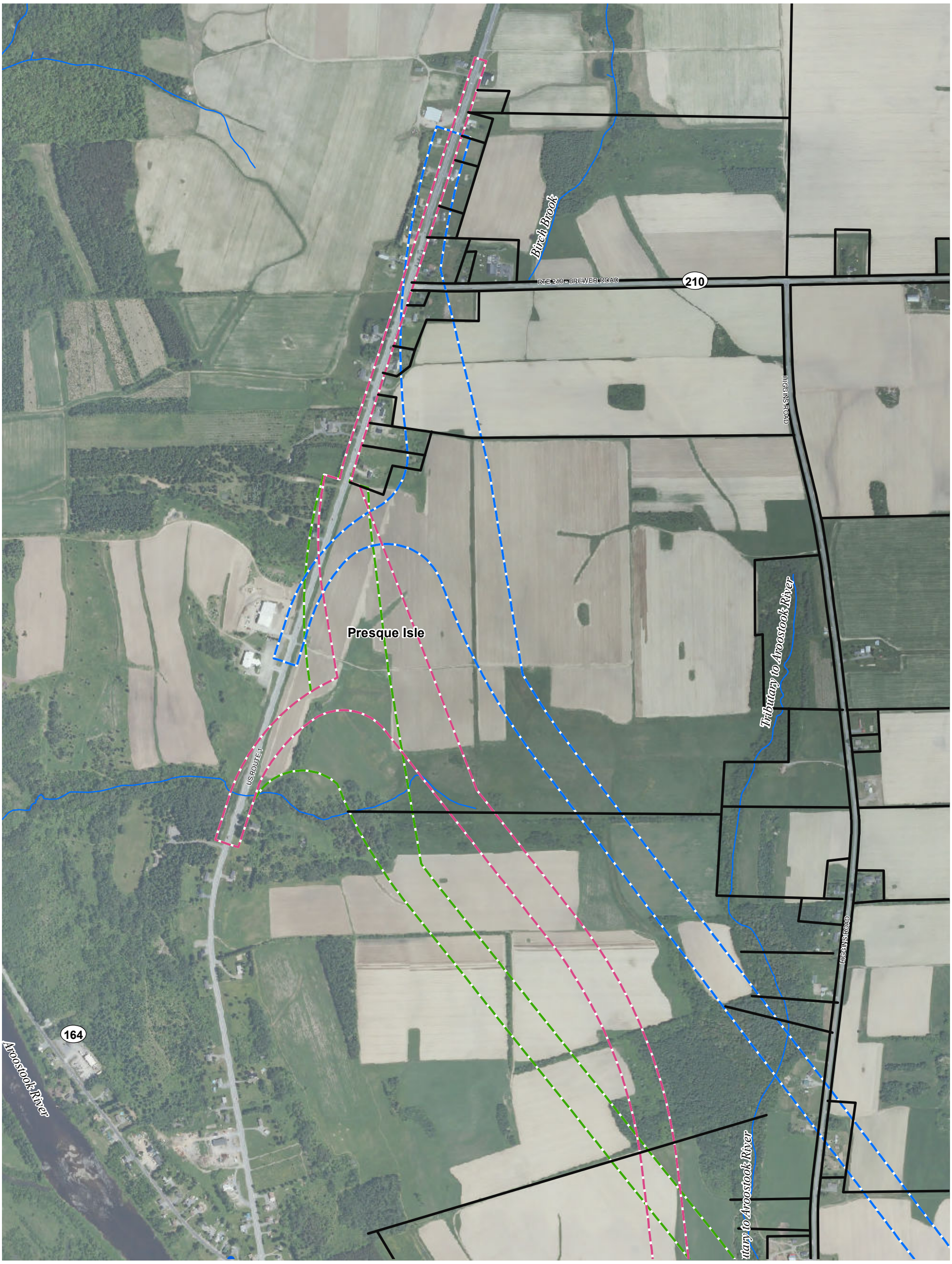
Figure 2-4h

Detailed View of Presque Isle Bypass Tier 2 FEIS Alternatives



Legend

Alignment Options (300-foot right-of-way)

- Alignment Option 4B
- Alignment Option 6
- Alignment Option 7

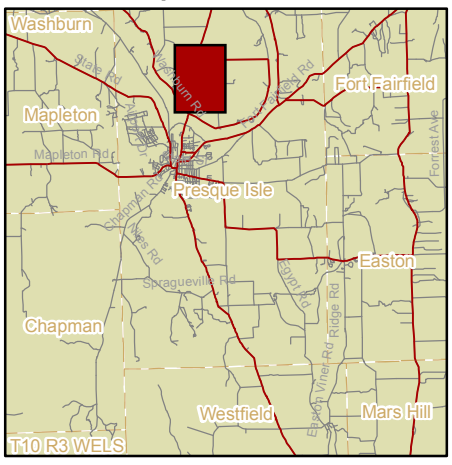
Note: Parcel boundaries are approximate

Parcel Boundary Data Source: Langille Aroostook Engineering Group, 2004

- Parcel Boundary
- Streams

0 400 800 Feet

Location Map

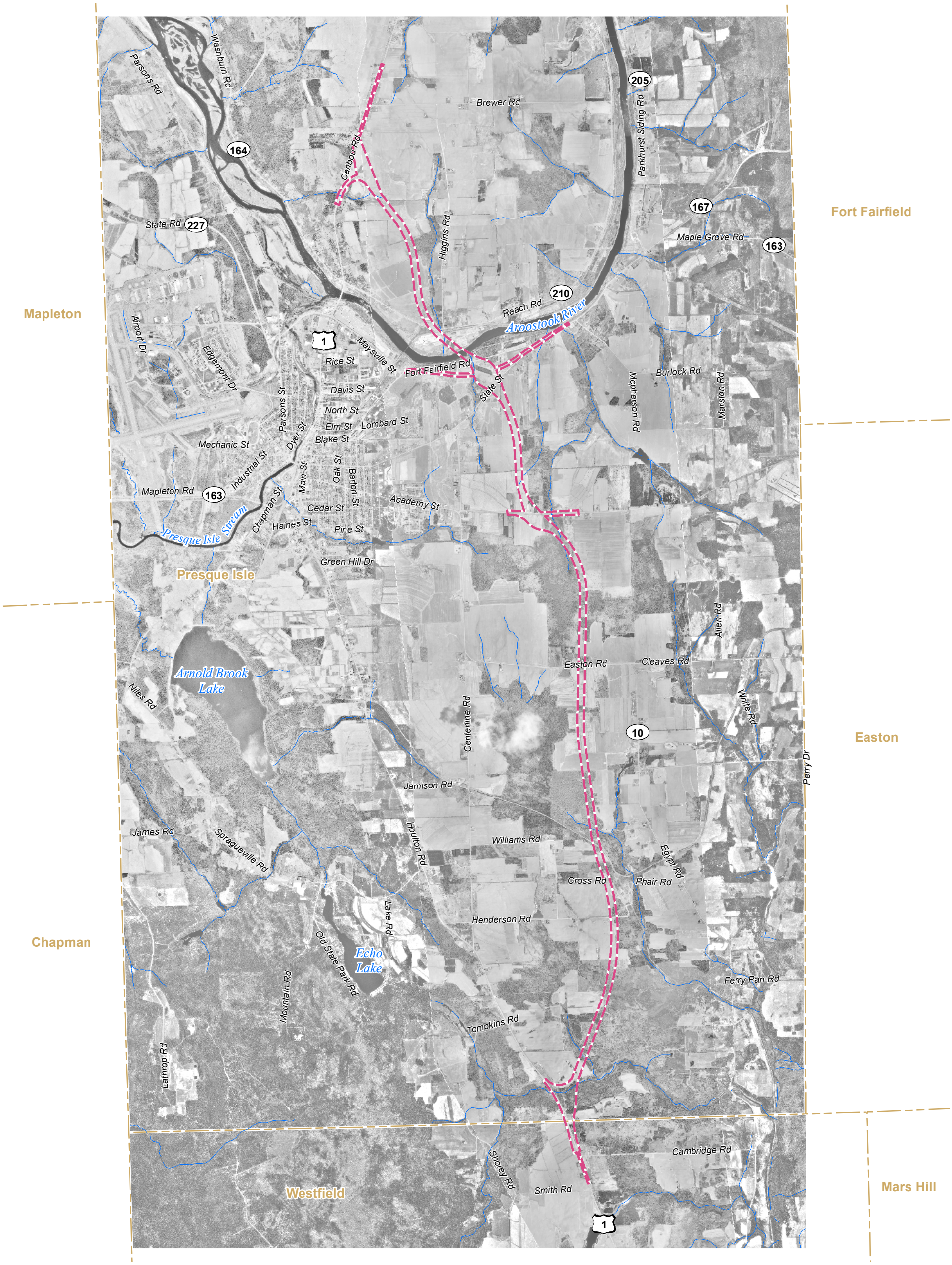


Aroostook County Transportation Study

Figure 2-4i

Detailed View of Presque Isle Bypass Tier 2 FEIS Alternatives

\\mawatr\ev\06520.02\GIS\project\Presque_Isle\Final\Fig_2-5 Preferred Alternative - Alignment Option 7.mxd 3/9/2012



Legend

- Town Boundaries
- Alignment Option 7

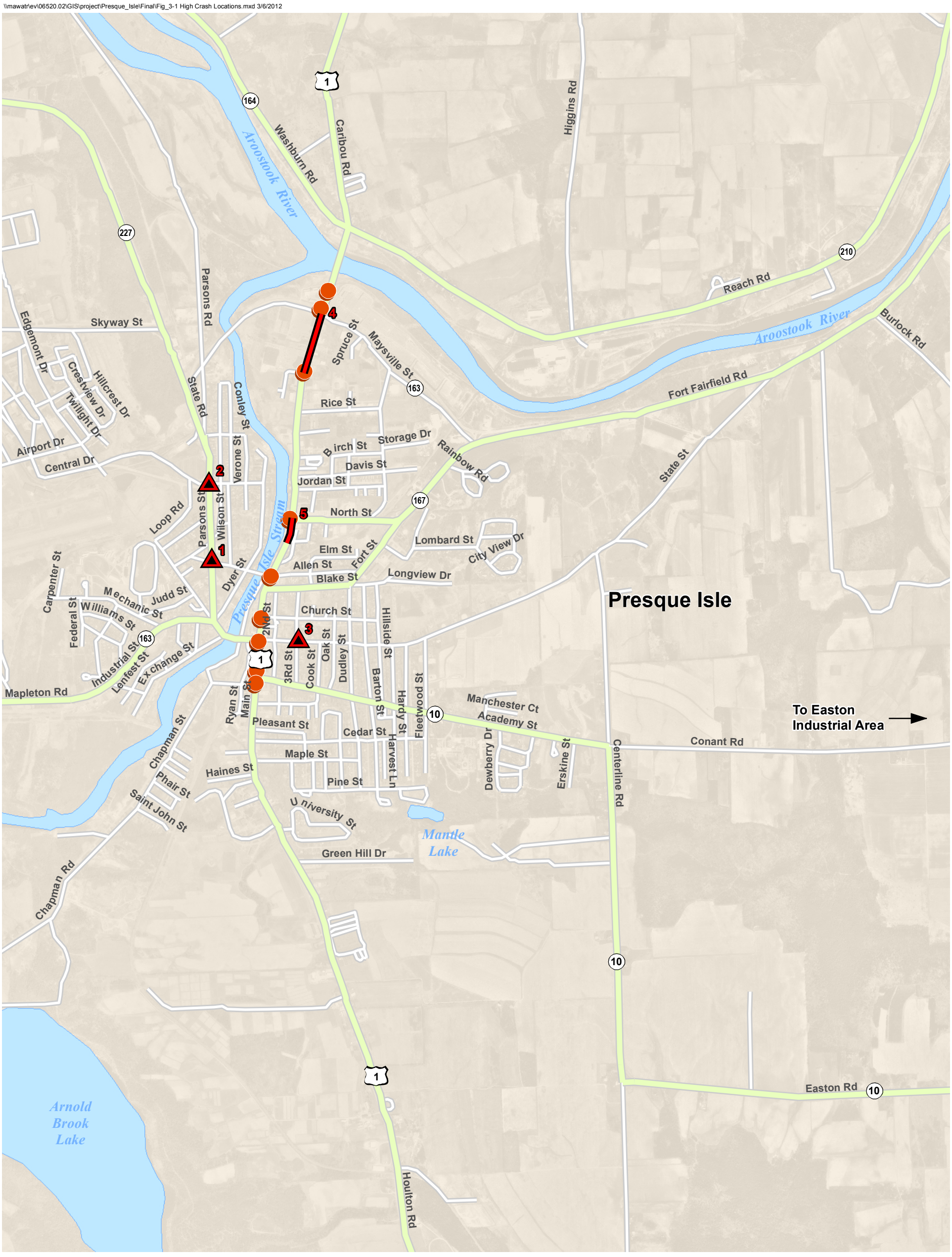
Aroostook County Transportation Study

Figure 2-5

Preferred Alternative - Presque Isle Bypass

0 2,250 4,500 Feet

\\mawatr\ev\06520.02\GIS\project\Presque_Isle\Final\Fig_3-1 High Crash Locations.mxd 3/6/2012



Legend

2007 - 2009 High Crash Location

Signalized Intersection

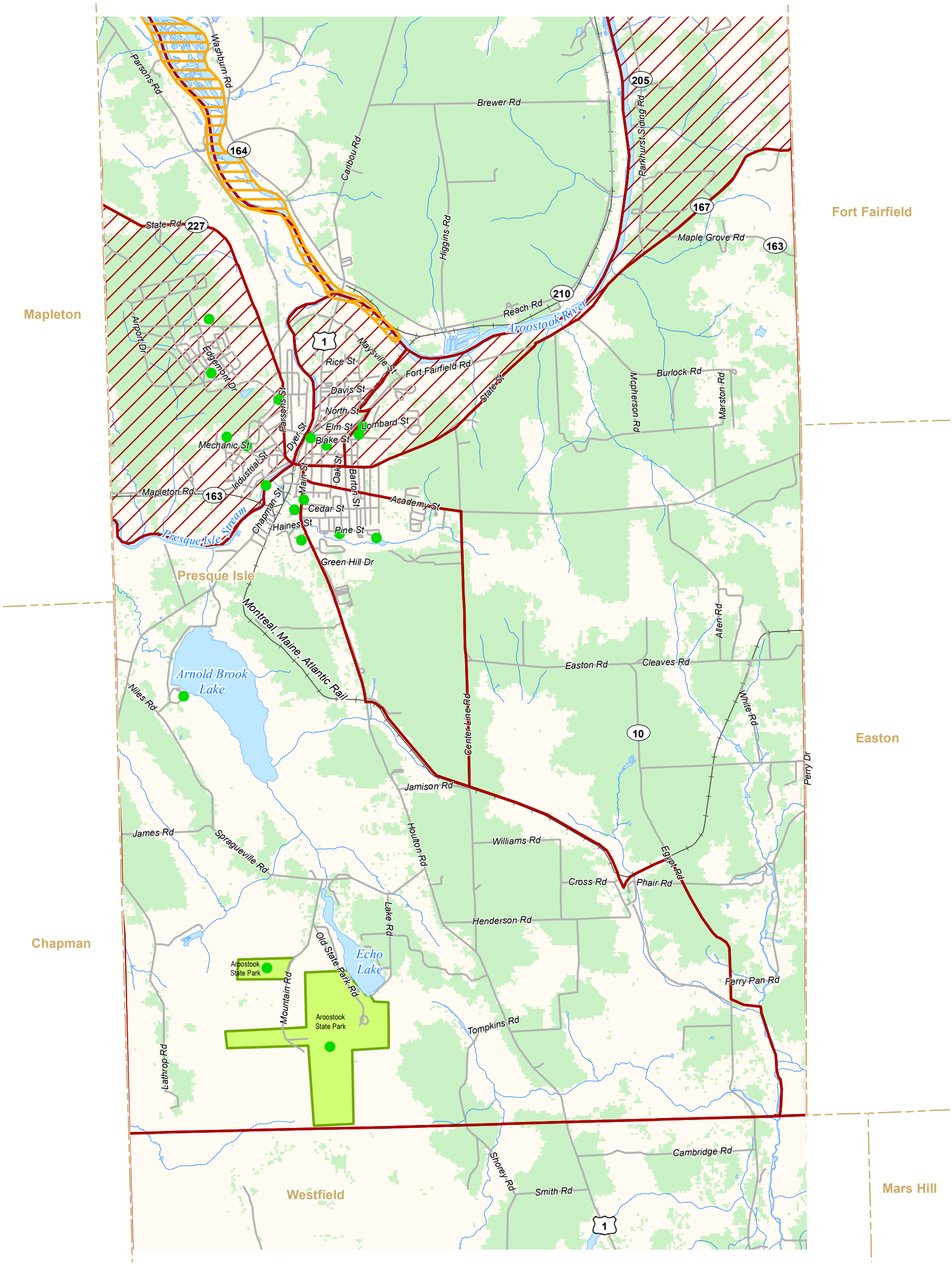
Aroostook County Transportation Study

Figure 3-1

High Crash Locations

0 1,000 2,000 Feet

\\mawatr\ev\06520.02\GIS\project\Presque_Isle\Fig_3-2 Key Social and Cultural Constraints.mxd



Legend

- Town Boundaries
- Agricultural Land
- Location of Potential 4(f) and/or 4(f)/6(f) Parcel
- Census 2000 Blockgroup
- Above State Average for Minority Population by Blockgroup (>3.5%)
- Areas of Traditional Cultural Use

Locus

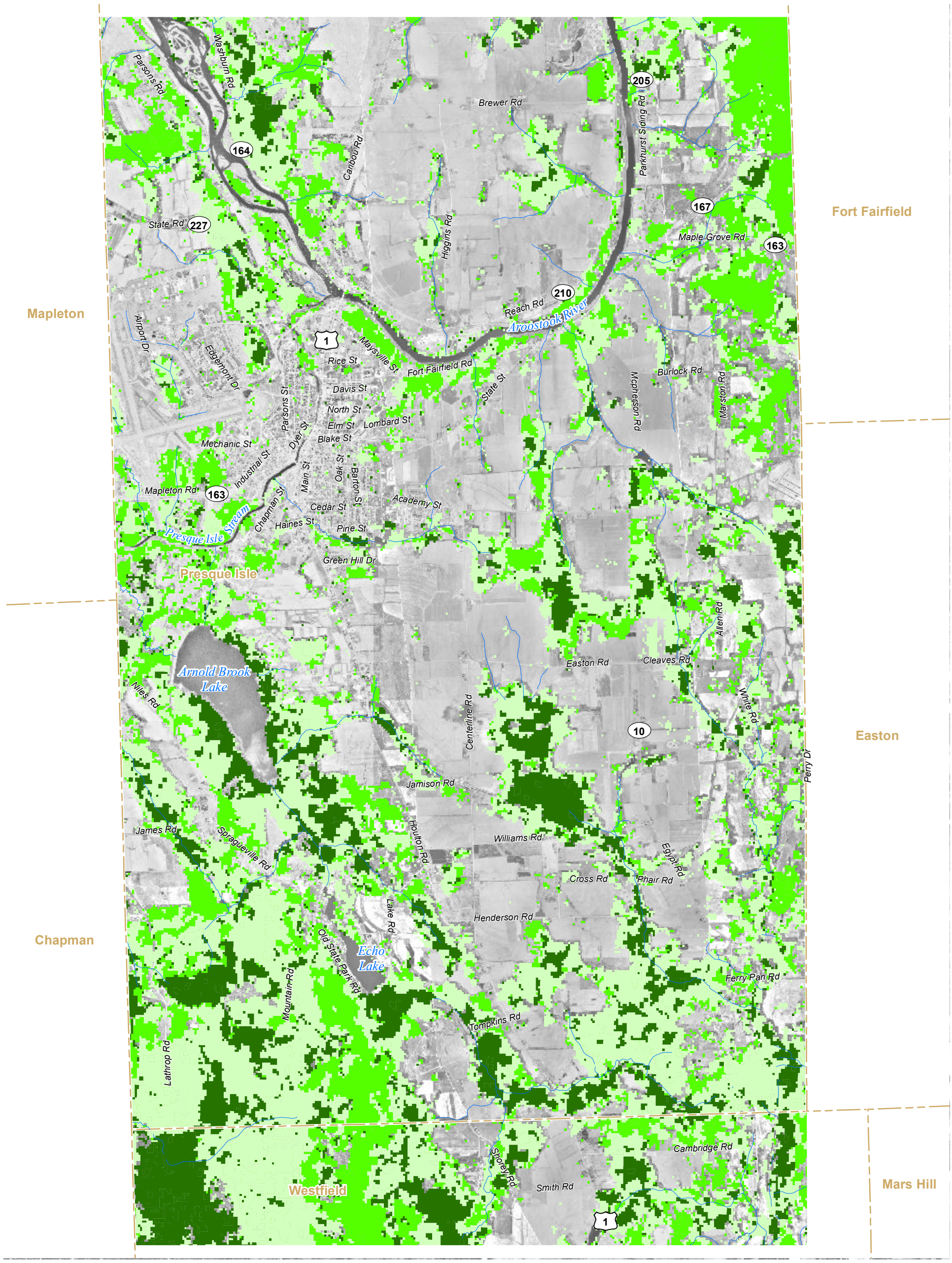
Aroostook County Transportation Study

Figure 3-2

Key Social and Cultural Constraints

0 2,250 4,500 Feet

\\MAWATR\ev\06520.02\GIS\project\Presque_Isle\Final\Fig_3-3 Forested Land.mxd 10/22/2012



Legend

Town Boundaries

Forest Communities

Boreal Forest

Spruce - Northern Hardwood Forest

Deciduous Forest

Boreal Forest Data Source: Landset Thematic Mapper data from USGS projected and overlaid upon existing GIS background coverages.

Aroostook County Transportation Study

Figure 3-3

Forested Land

0 2,250 4,500 Feet

\\mawatr\ev\06520.02\GIS\project\Presque_Isle\Final\Fig_3-4a Farmed Land.mxd 3/6/2012

Legend

- Town Boundaries
- Farmed Land

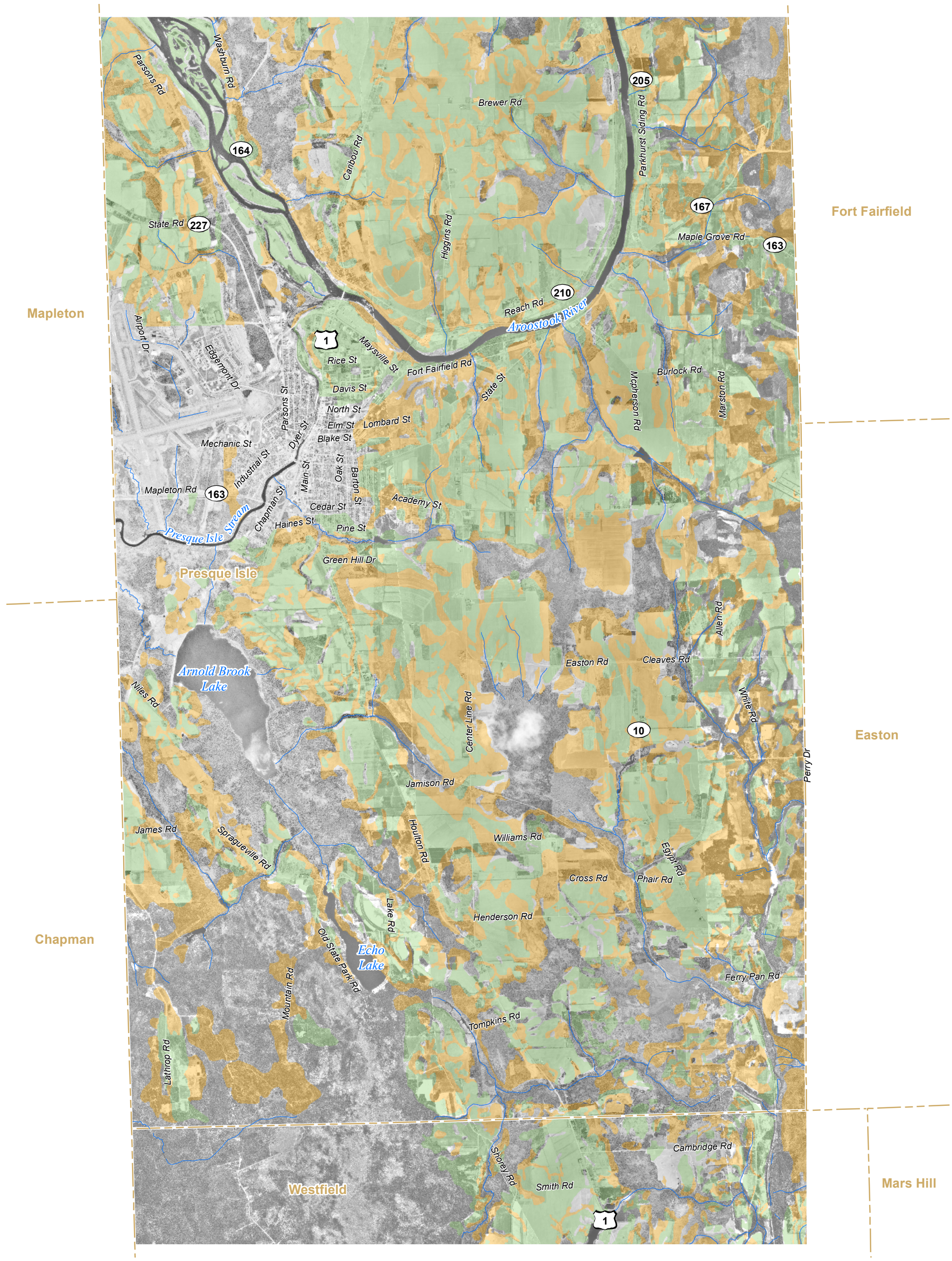
Aroostook County Transportation Study

Figure 3-4a

Farmed Land

0 2,250 4,500 Feet

\\mawatr\ev\06520.02\GIS\project\Presque_Isle\Final\Fig_3-4b Farmland Soils.mxd 3/7/2012



Legend

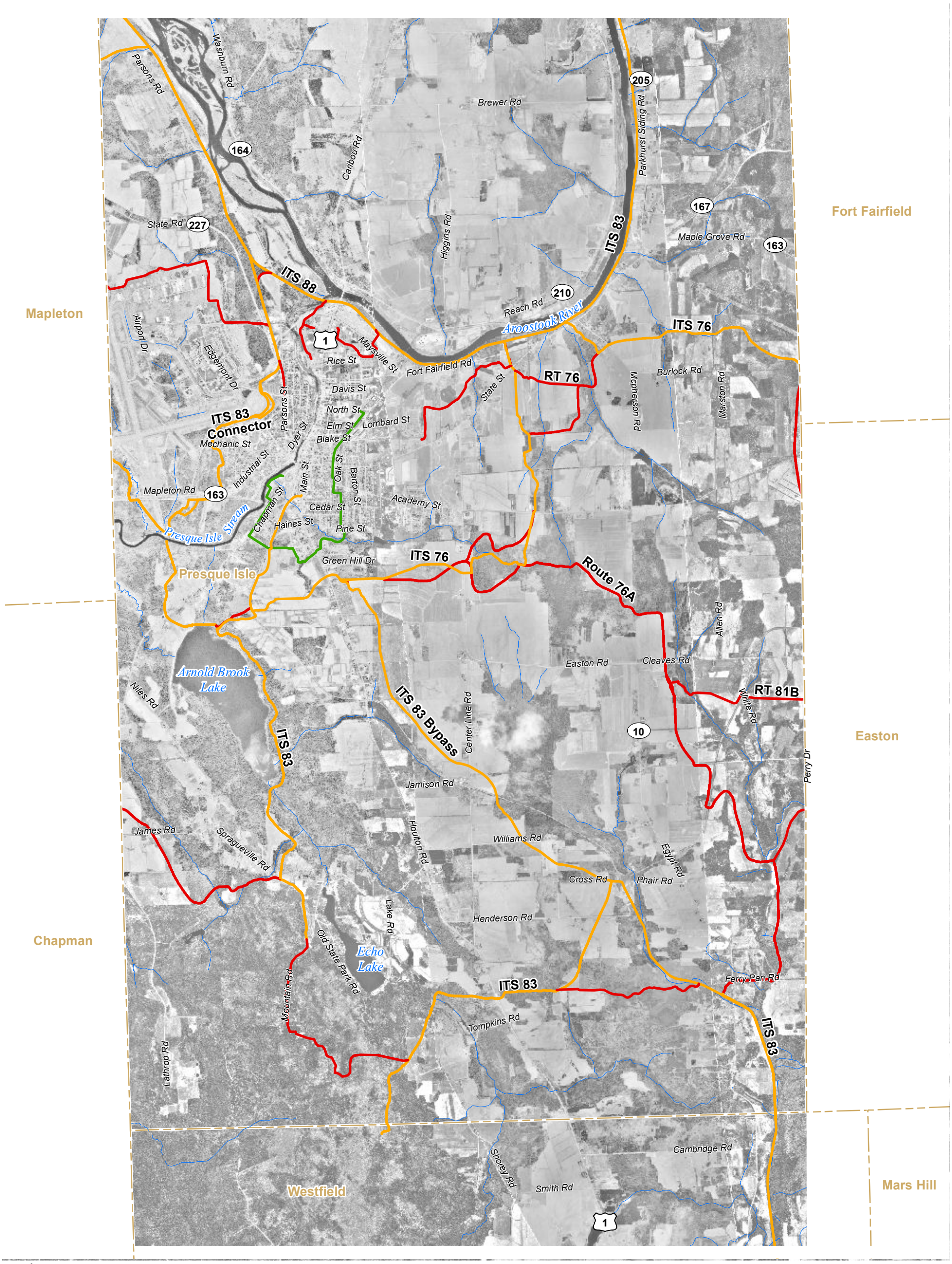
- Town Boundaries
- Prime Farmland
- Farmland of Statewide Importance

Aroostook County Transportation Study

Figure 3-4b

Farmland Soils

0 2,250 4,500 Feet



Legend

- Town Boundaries
- Interconnecting Trail System (ITS)
- Connector Trails and Maintained Club Trails
- Presque Isle Bike/Walkway Path

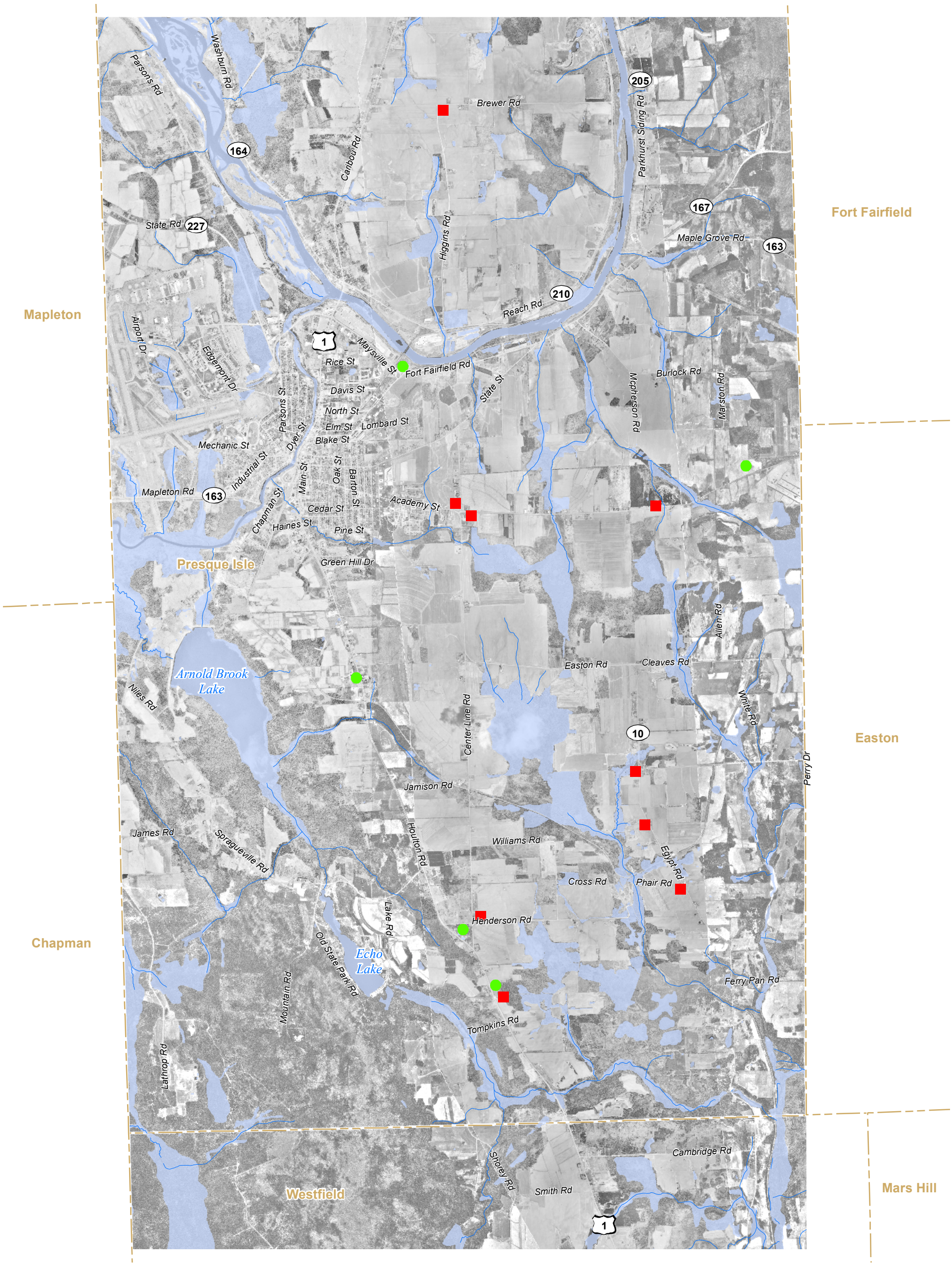
Aroostook County Transportation Study

Figure 3-5

Snowmobile and Pedestrian Trails

0 2,250 4,500 Feet

\\mawatr\ev\06520.02\GIS\project\Presque_Isle\Final\Fig_3-6 Registered UST.mxd 3/6/2012



Legend

- Town Boundaries
- Wetland
- Spill
- UST

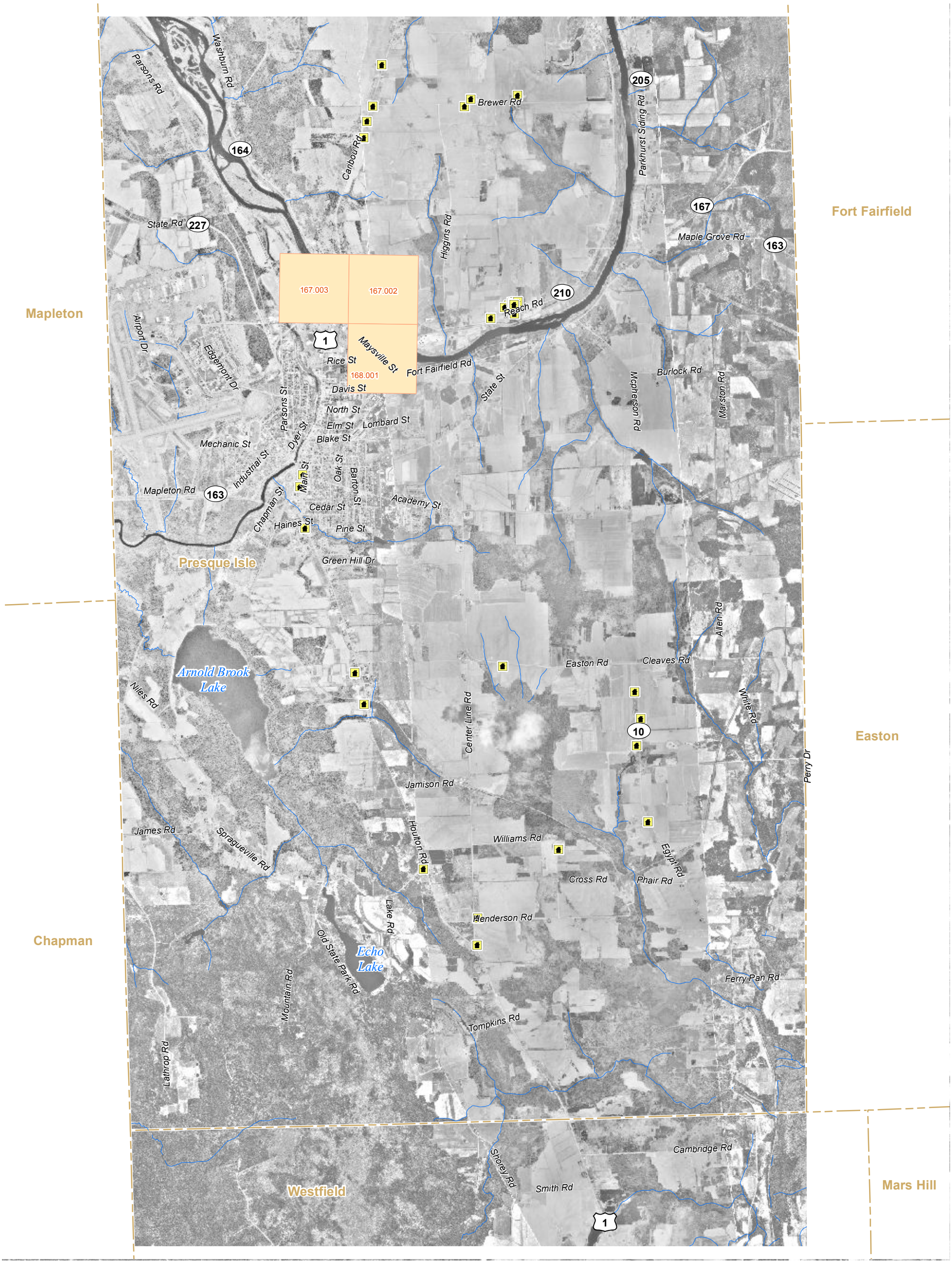
Aroostook County Transportation Study

Figure 3-6

Registered Underground Storage Tanks and Known Spills

0 2,250 4,500 Feet

\\MAWATR\ev\06520.02\GIS\project\Presque_Isle\Final\Fig_3-7 Known Prehistoric and Historic Sites.mxd 10/22/2012



Legend

- Town Boundaries
- Known Prehistoric Archaeological Sites
- National Register Eligible Property

167.003 - MHPC site number

Source: Maine Historic Preservation Commission, Augusta, ME (Provided in 1999, updated 2004)

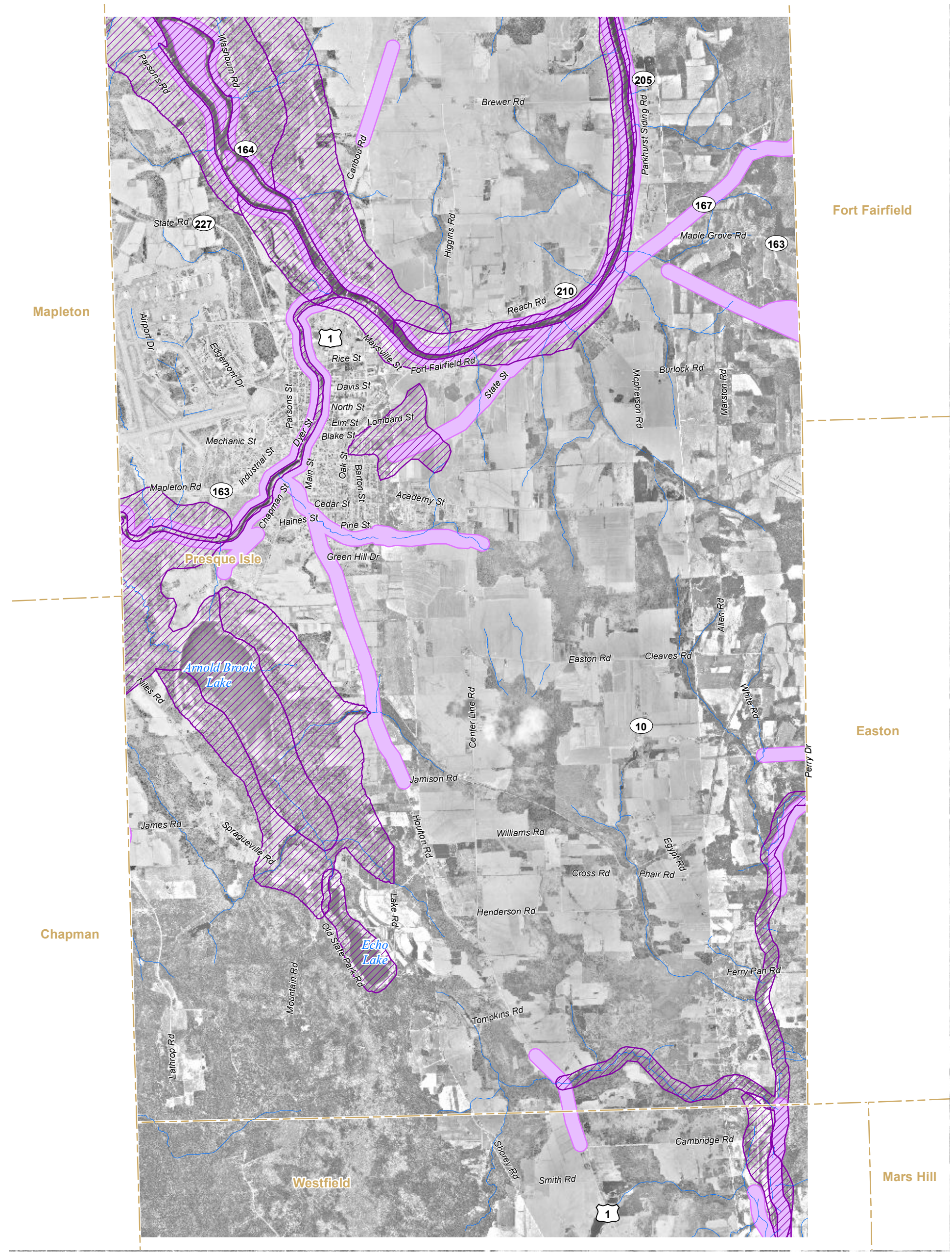
The APE for archaeological resources is defined as those areas directly abutting or within the right-of-way for the segment 7 alignment options. In areas where new roadway alignments are proposed, the APE also includes areas adjacent to the segment 7 alignment options rights-of-way.

0 2,250 4,500 Feet

Aroostook County Transportation Study

Figure 3-7

Known Historic Sites and Prehistoric and Historic Archaeological Sites



Legend

- Town Boundaries
- Archaeologically Sensitive Areas - Historic
- Archaeologically Sensitive Areas - Prehistoric

Aroostook County Transportation Study

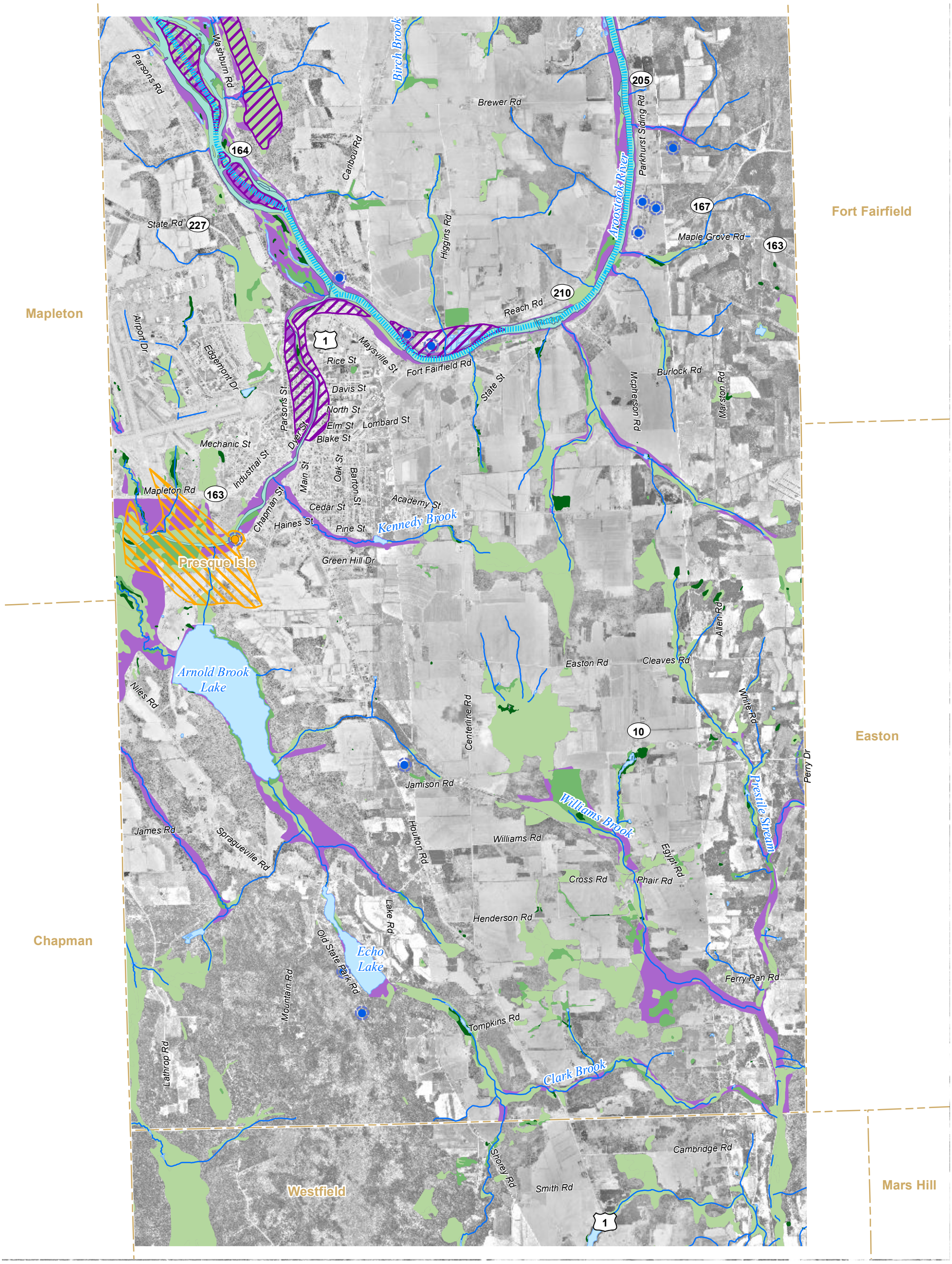
Figure 3-8

Archaeologically Sensitive Areas

Source: Maine Historic Preservation Commission, Augusta, ME (Provided in 1999, updated 2004)

0 2,250 4,500 Feet

\\MAWATR\ev\06520.02\GIS\project\Presque_Isle\Final\Fig_3-9 Wetland and Water Resources.mxd 10/18/2012



Legend

- Town Boundaries
- Surface Water Intake
- Groundwater Wells
- Streams
- Outstanding River Segments
- Wellhead Protection Areas
- Sand Gravel Aquifers
- Surface Water Supply Watershed

Wetland Systems

- Riverine Wetlands
- PEM
- PFO
- PSS
- Floodplains

0 2,250 4,500 Feet

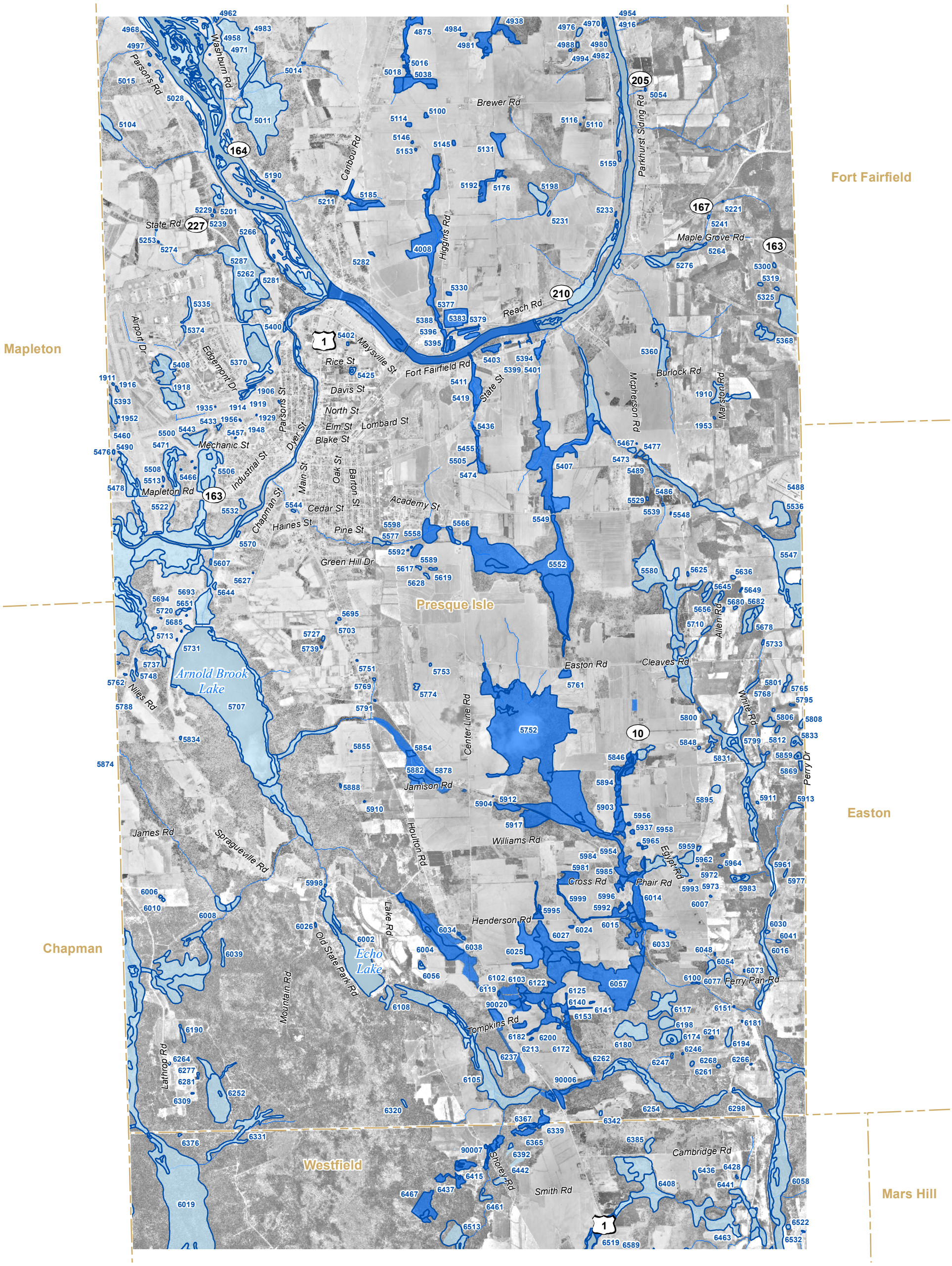
Source: Maine Department of Conservation, Maine Department of Environmental Protection, U.S. Fish and Wildlife Service, National Wetlands Inventory, Maine Office of Geographic Information Systems

Aroostook County Transportation Study

Figure 3-9

Wetlands and Water Resources

\\mawatr\ev\06520.02\GIS\project\Presque_Isle\Final\Fig_3-10 Wetland Areas.mxd 3/6/2012



Legend

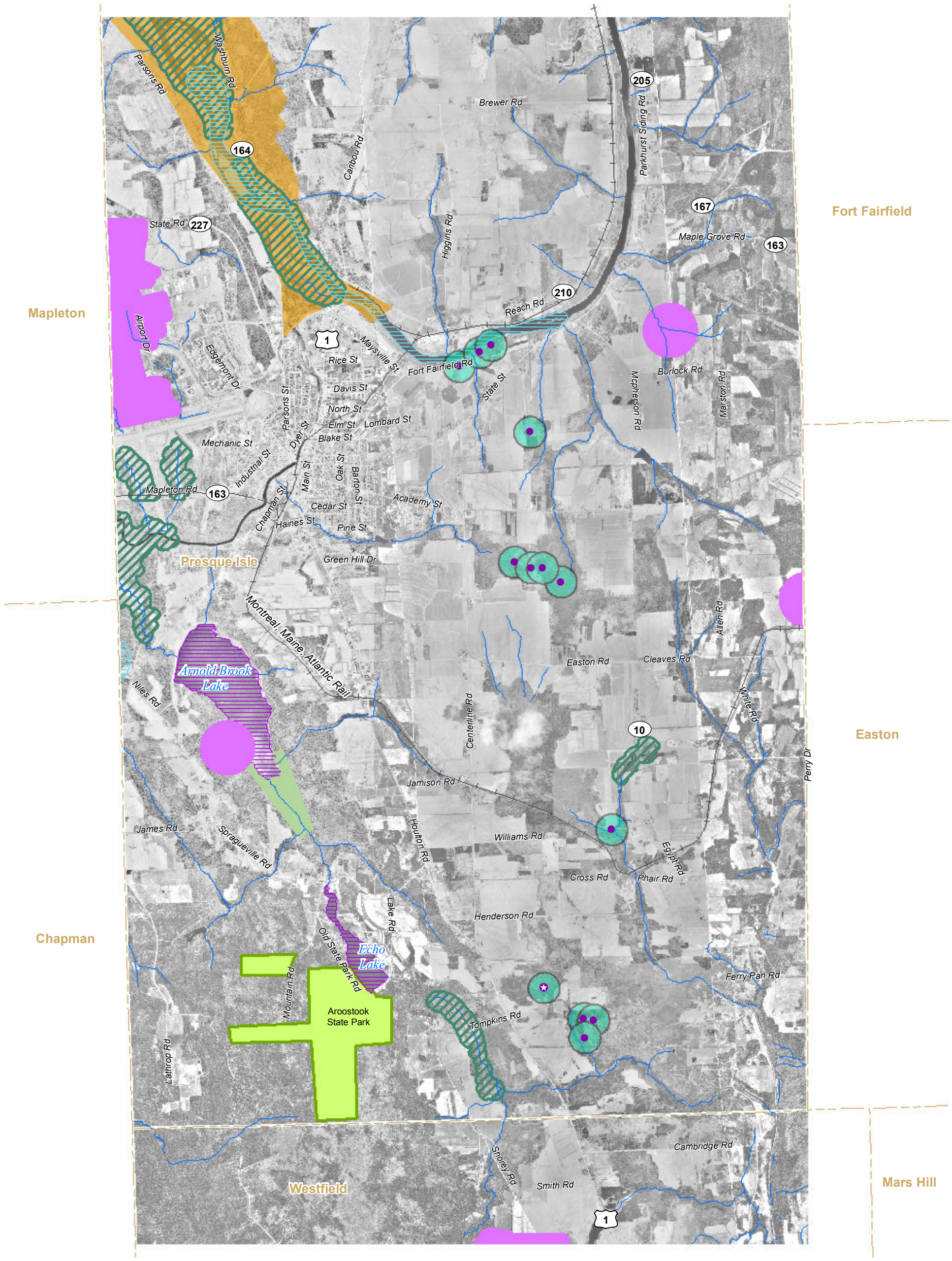
- Town Boundaries
- Aerial Photo Delineated Wetlands
- NWI Wetland
- Wetland System

Aroostook County Transportation Study

Figure 3-10
Wetland Areas

0 2,250 4,500 Feet

\\MAWATR\ev\06520.02\GIS\project\Presque_Isle\Final\Fig_3-11 Fisheries Wildlife and Rare Species.mxd 7/16/2012



Legend

- Town Boundaries
- Maine Wildlife Action Plan
- Species of Special Concern
- State-Listed Wildlife Habitat
- Inland Wading Bird and Waterfowl Habitat*
- Deer Wintering Areas*
- Brook Trout
- ME-GAP Conservation Area
- Vernal Pool
- Significant Vernal Pool*
- Vernal Pool - USACE 750 foot Critical Terrestrial Habitat

Evaluated Wildlife Data not within Segment 7 Study Area:

Rare or Exemplary Plant Communities

*Significant Wildlife Habitat

Stocked Waterbodies
Splake
Land Locked Salmon
Lake Trout

0 2,250 4,500 Feet

Source: Maine Department of Inland Fisheries and Wildlife 2010 (Vernal Pools 2007)

Aroostook County Transportation Study

Figure 3-11

Fisheries, Wildlife, and Rare Species

\\mawatr\ev\06520.02\GIS\project\Presque_Isle\Fig_3-10 Wetland Areas.mxd

Legend

- Town Boundaries
- Canada Lynx Critical Habitat
- Canada Lynx Review Area

Aroostook County Transportation Study

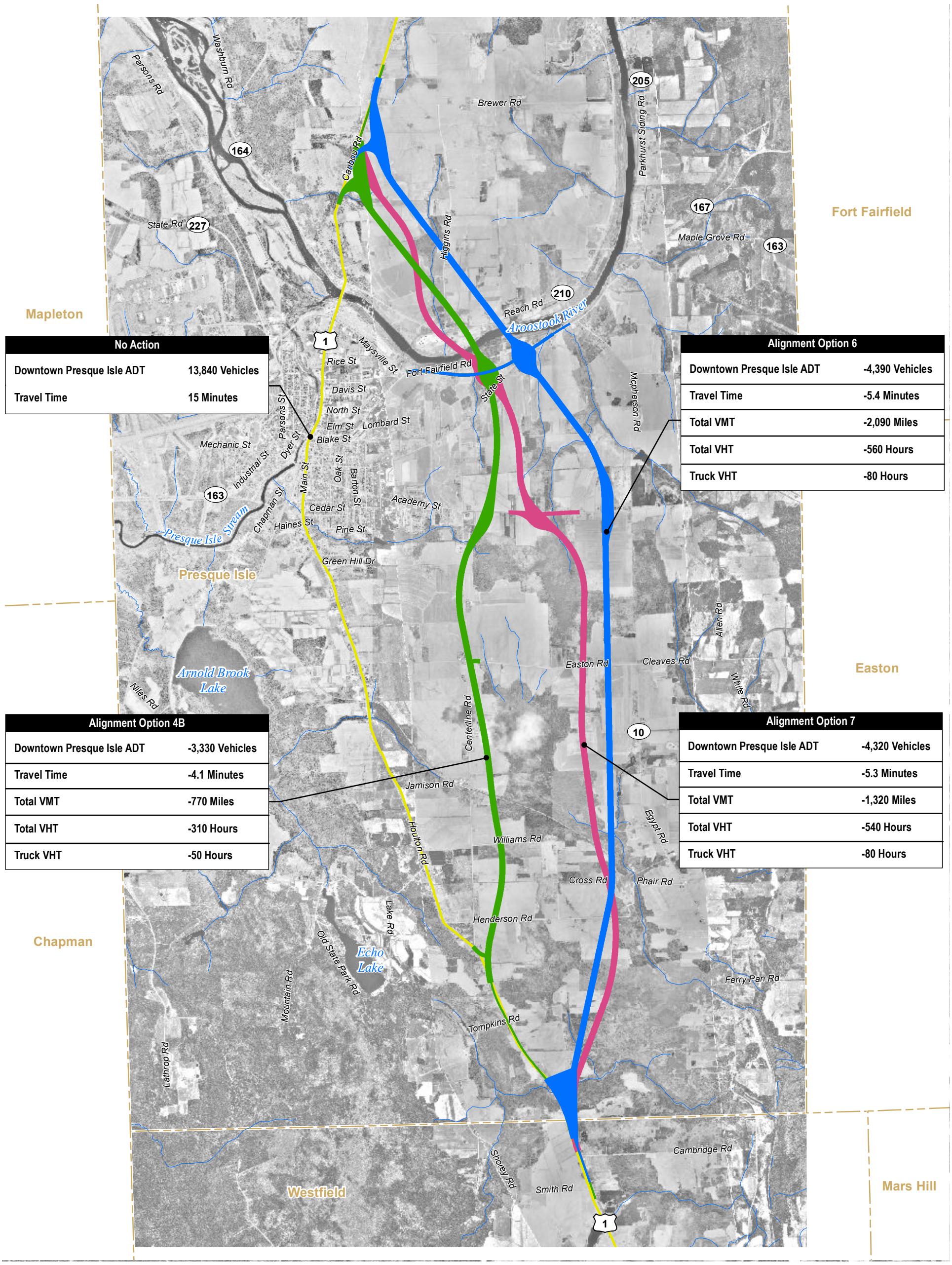
Figure 3-12

Canada Lynx Critical Habitat

Source: U.S. Fish and Wildlife Service

0 2,250 4,500 Feet

\\MAWATR\ev\06520.02\GIS\project\Presque_Isle\Final\Fig_4-1 Traffic Demand.mxd 10/16/2012



No Action	
Downtown Presque Isle ADT	13,840 Vehicles
Travel Time	15 Minutes

Alignment Option 6	
Downtown Presque Isle ADT	-4,390 Vehicles
Travel Time	-5.4 Minutes
Total VMT	-2,090 Miles
Total VHT	-560 Hours
Truck VHT	-80 Hours

Alignment Option 4B	
Downtown Presque Isle ADT	-3,330 Vehicles
Travel Time	-4.1 Minutes
Total VMT	-770 Miles
Total VHT	-310 Hours
Truck VHT	-50 Hours

Alignment Option 7	
Downtown Presque Isle ADT	-4,320 Vehicles
Travel Time	-5.3 Minutes
Total VMT	-1,320 Miles
Total VHT	-540 Hours
Truck VHT	-80 Hours

Legend

- Town Boundaries
- Alignment Option 4B
- Alignment Option 6
- Alignment Option 7
- Route 1

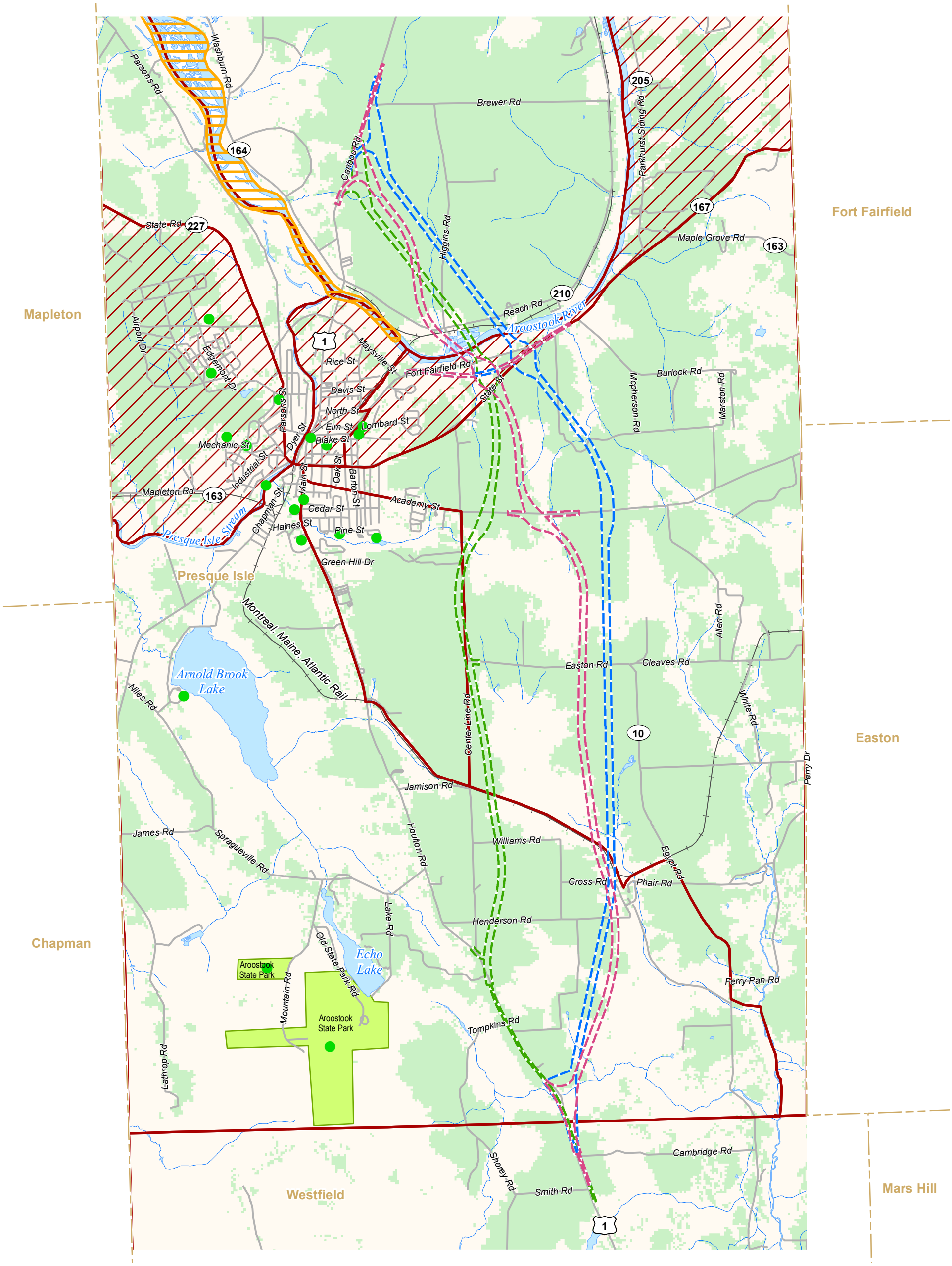
ADT Average Daily Traffic
VHT Vehicle-hours Traveled
VMT Vehicle-miles Traveled

0 2,250 4,500 Feet

Aroostook County Transportation Study

Figure 4-1
Traffic Demand (2035)

\\mawatr\ev\06520.02\GIS\project\Presque_Isle\Fig_4-2 Impacts to Key Social and Cultural Constraints.mxd



Legend

- National Register Eligible Property
- Town Boundaries
- Agricultural Land
- Location of Potential 4(f) and/or 4(f)/6(f) Parcel
- Census 2000 Blockgroup
- Above State Average for Minority Population by Blockgroup (>3.5%)
- Areas of Traditional Cultural Use
- Alignment Option 4B
- Alignment Option 6
- Alignment Option 7

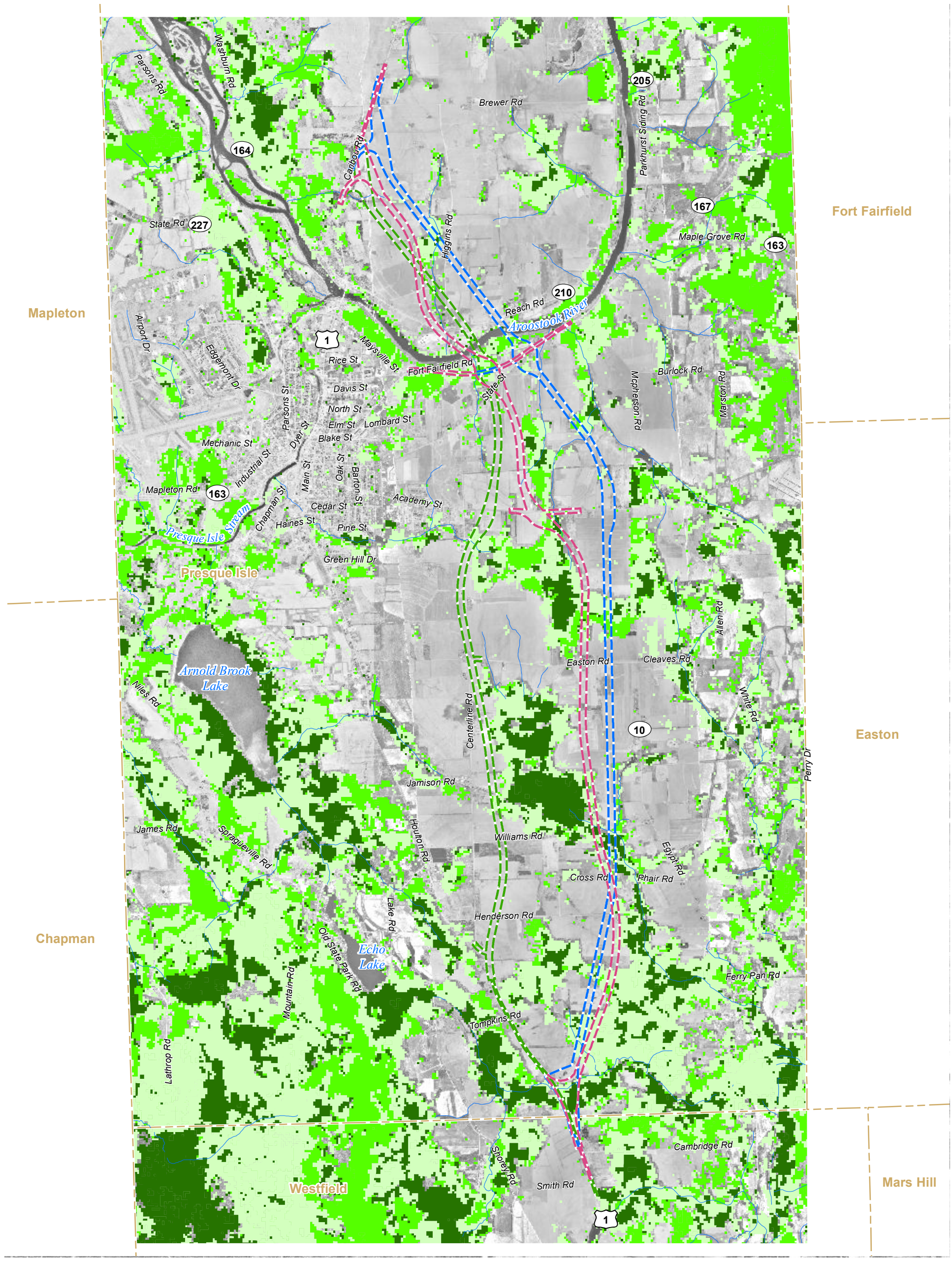
0 2,250 4,500 Feet

Locus

Aroostook County Transportation Study

Figure 4-2
Key Social and Cultural Resources Superimposed Over FEIS Alignment Options

\\MAWATR\ev\06520.02\GIS\project\Presque_Isle\Final\Fig_4-3 Impacts to Forested Land.mxd 10/22/2012



Legend

- Alignment Option 4B
- Alignment Option 6
- Alignment Option 7
- Town Boundaries

Forest Communities

- Boreal Forest
- Spruce - Northern Hardwood Forest
- Deciduous Forest

Boreal Forest Data Source: Landset Thematic Mapper data from USGS projected and overlaid upon existing GIS background coverages.

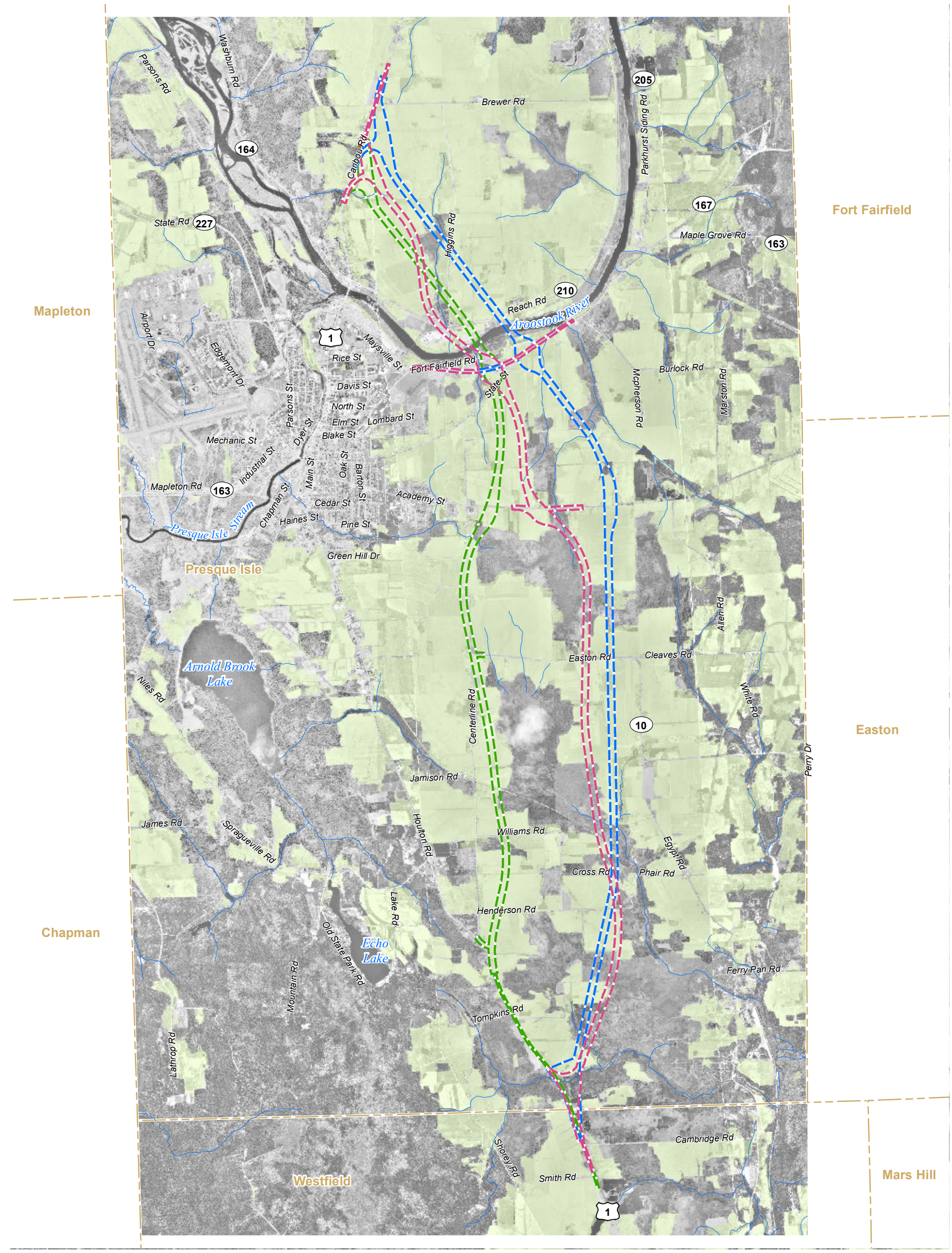
0 2,250 4,500 Feet

Aroostook County Transportation Study

Figure 4-3

Forested Land Superimposed Over FEIS Alignment Options

\\MAWATR\ev\06520.02\GIS\project\Presque_Isle\Final\Fig_4-4a Impacts to Farmed Land.mxd 10/18/2012



Legend

- Alignment Option 4B
- Alignment Option 6
- Alignment Option 7
- Town Boundaries
- Farmed Land

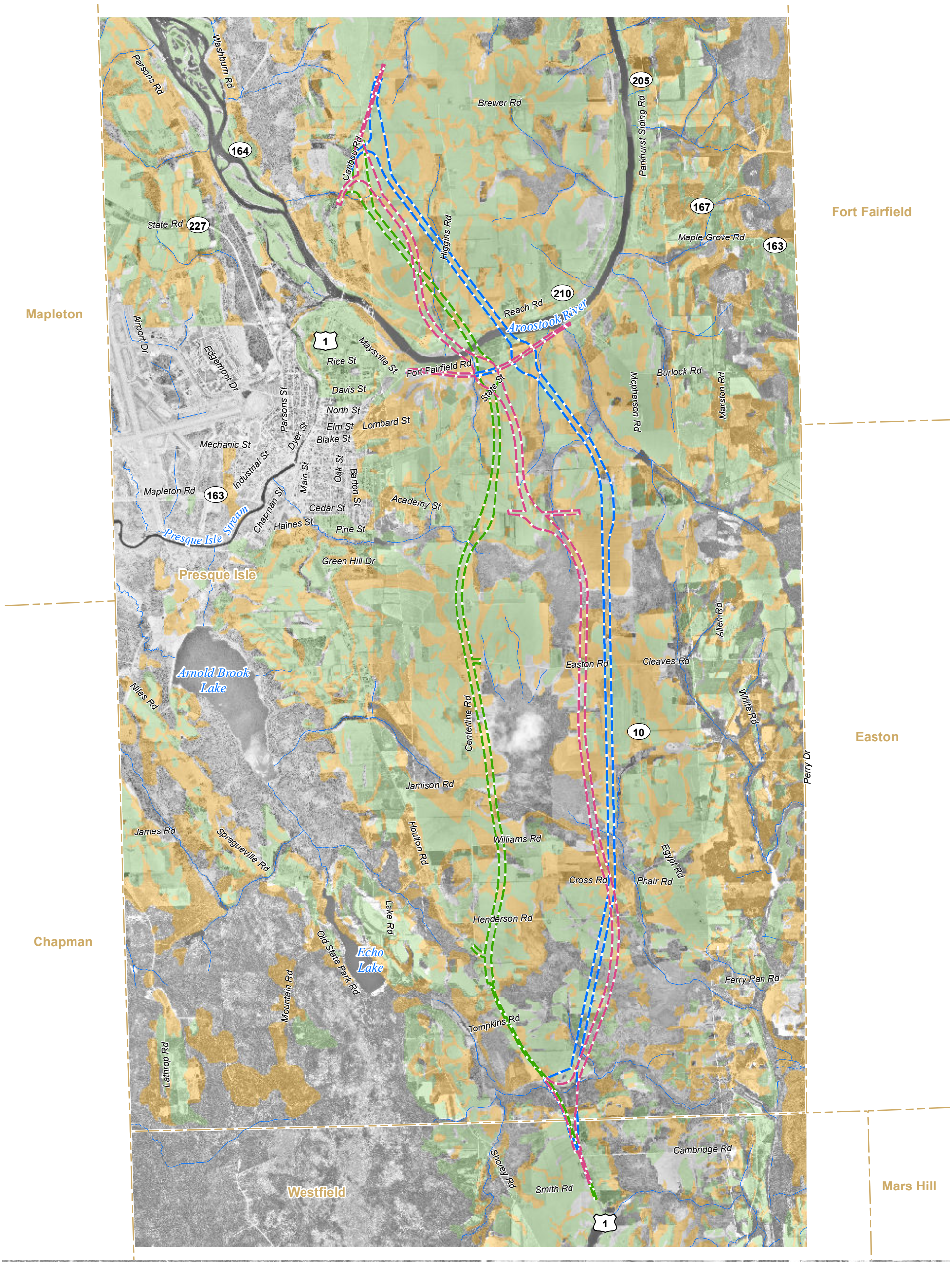
0 2,250 4,500 Feet

Aroostook County Transportation Study

Figure 4-4a

Farmed Land Superimposed Over FEIS Alignment Options

\\MAWATR\ev\06520.02\GIS\project\Presque_Isle\Final\Fig_4-4b Impacts to Farmland Soils.mxd 10/18/2012



Legend

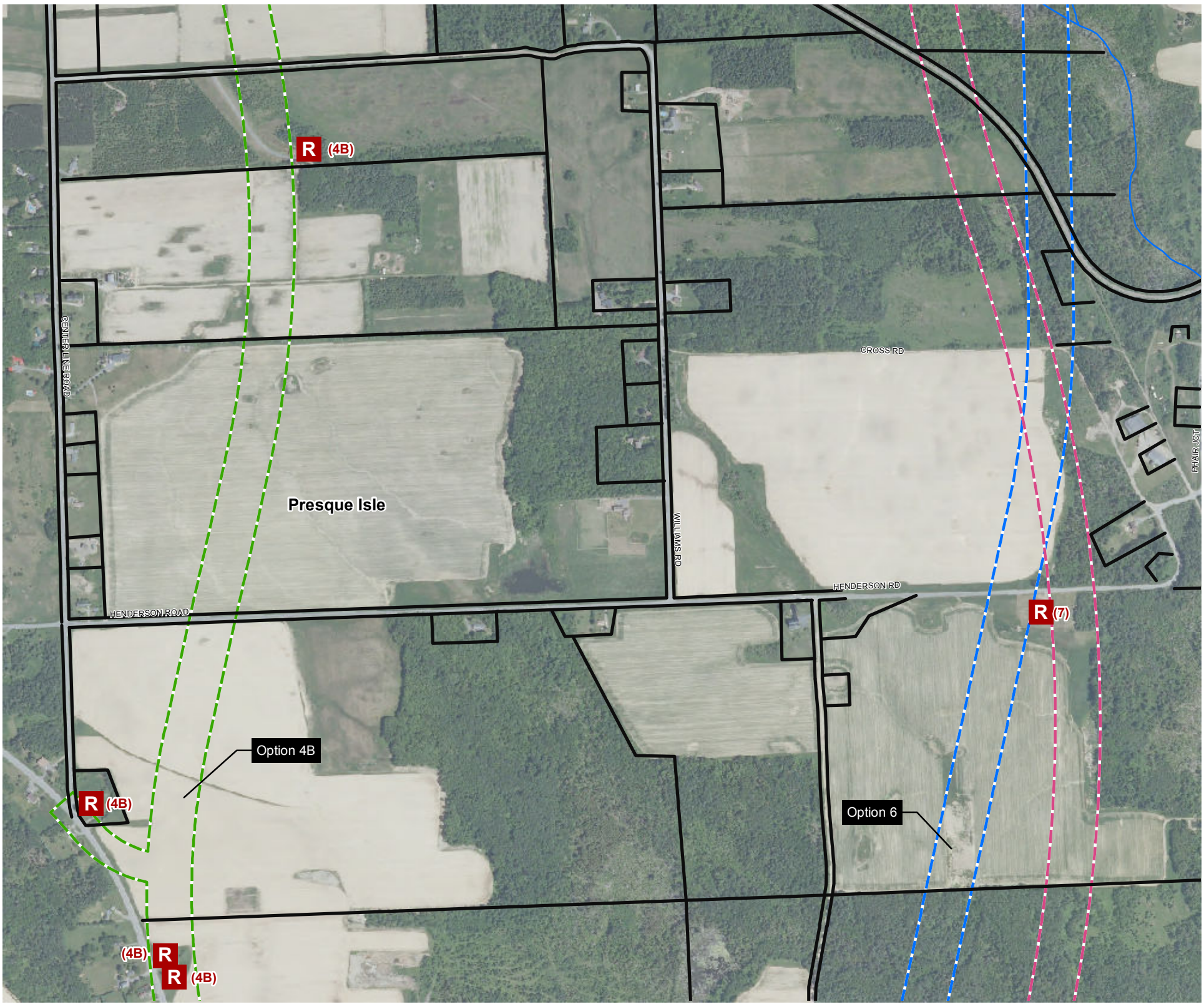
- Town Boundaries
- Alignment Option 7
- Alignment Option 4B
- Alignment Option 6
- Prime Farmland
- Farmland of Statewide Importance

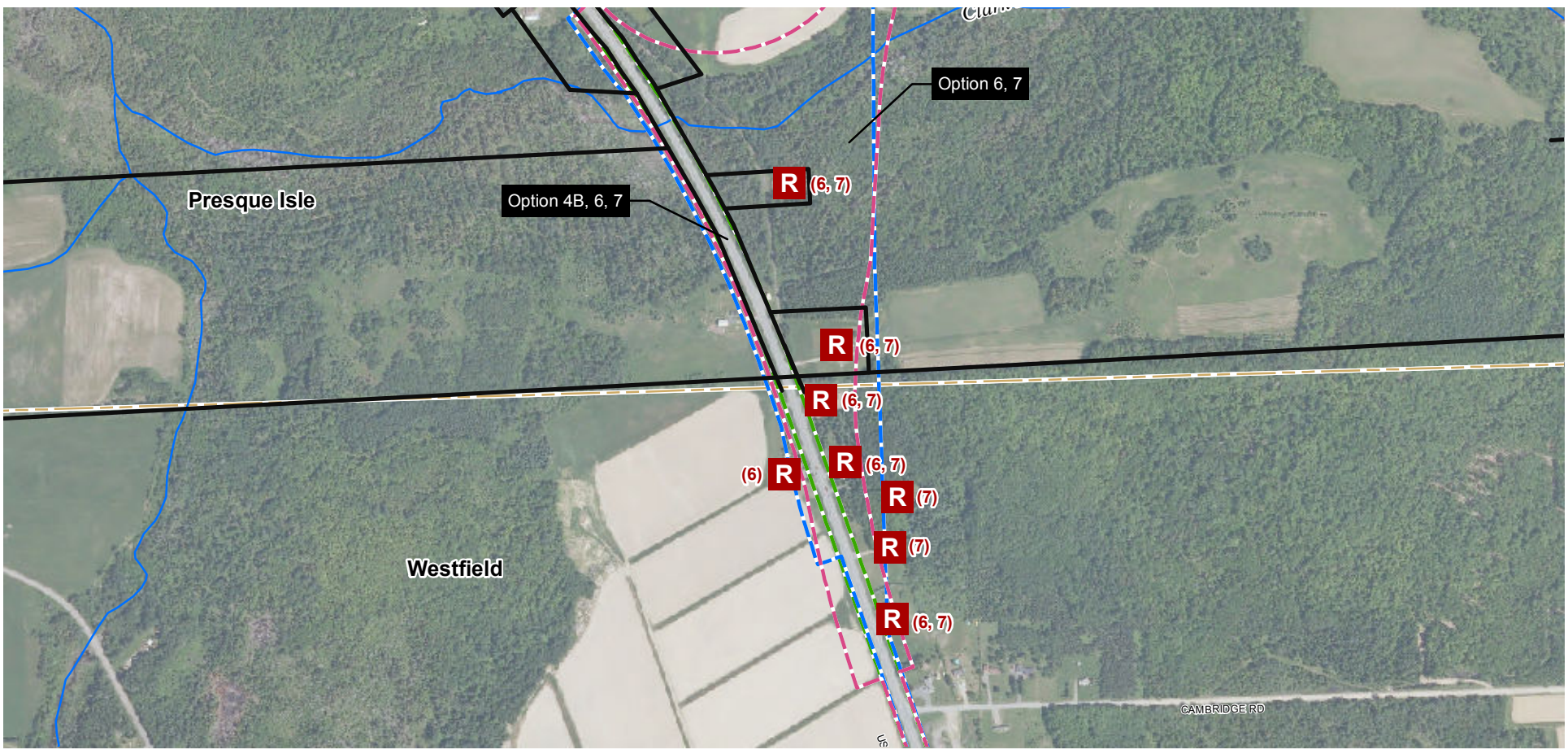
0 2,250 4,500 Feet

Aroostook County Transportation Study

Figure 4-4b

Farmland Soils Superimposed Over FEIS Alignment Options





Legend

Proposed Alignments

- Alignment Option 4B
- Alignment Option 6
- Alignment Option 7

Parcel Boundary

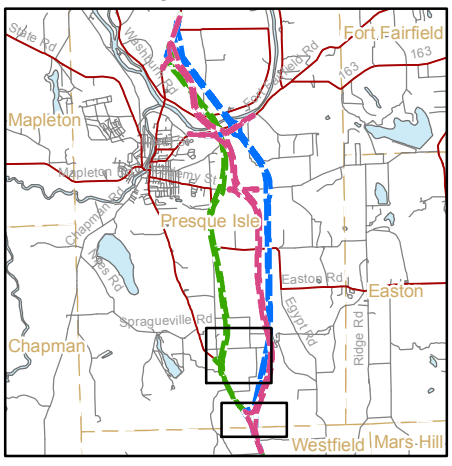
Note: Parcel boundaries are approximate

Parcel Boundary Data Source: Langille Aroostook Engineering Group, 2004

- A Agricultural Affected Structure (Alignment Option)
- C Commercial Affected Structure (Alignment Option)
- G Government Affected Structure (Alignment Option)
- I Industrial Affected Structure (Alignment Option)
- R Residential Affected Structure (Alignment Option)

0 400 800 Feet

Location Map

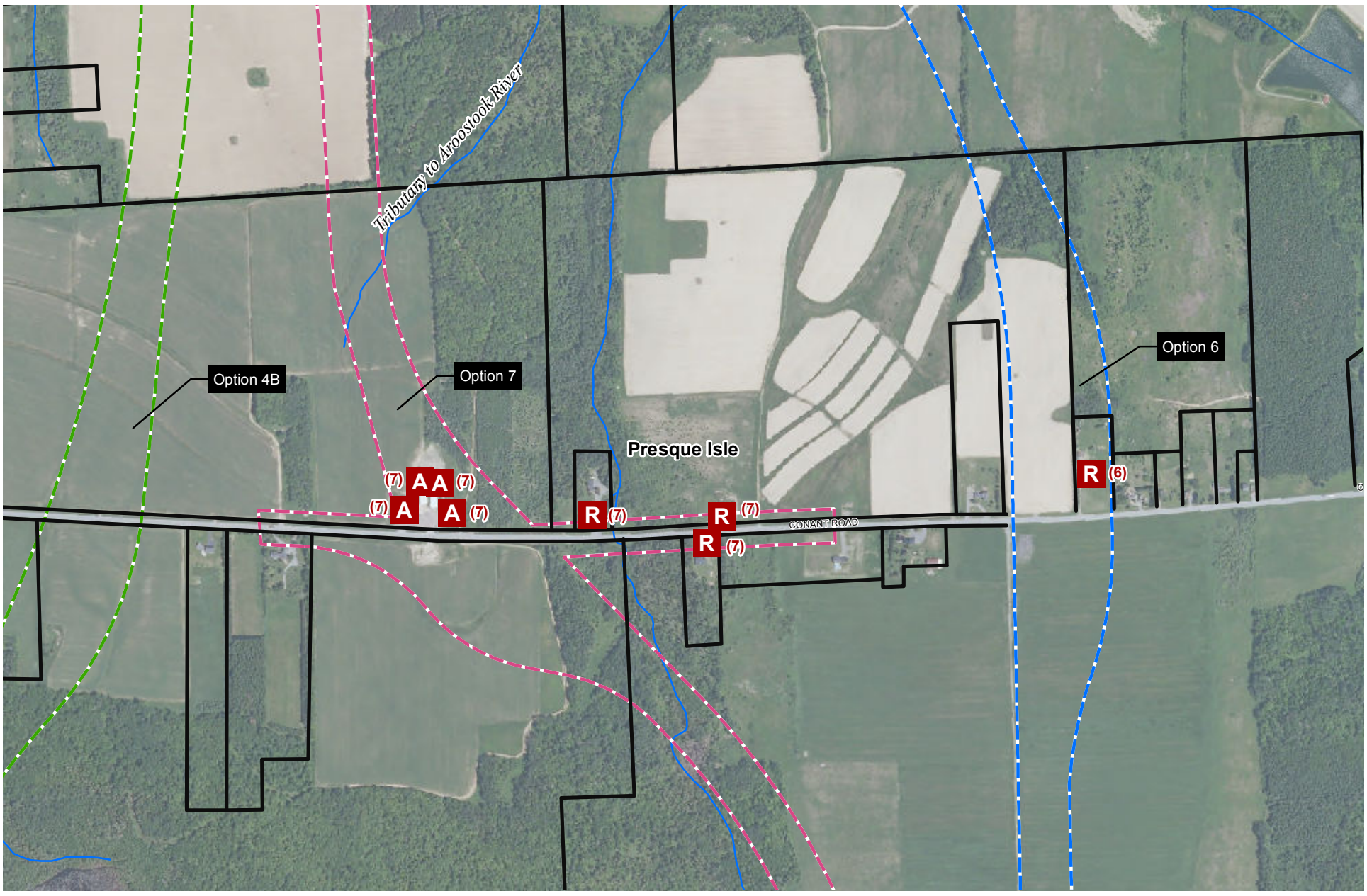


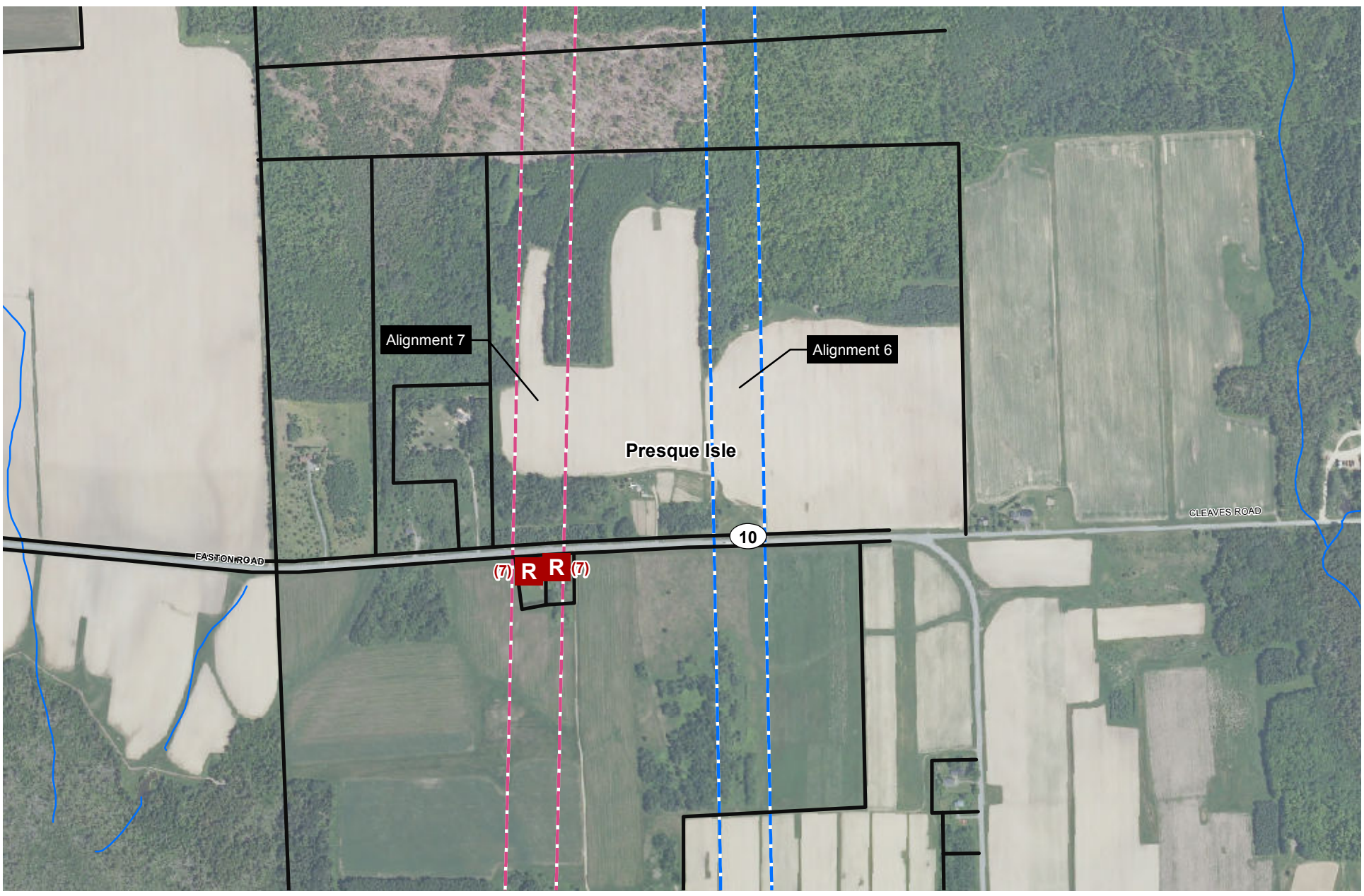
Aroostook County Transportation Study

Figure 4-5a

Structures Potentially Affected By Tier 2 FEIS Alignment Options

\\MAWATR\ev\06520.02\GIS\project\Presque_Isle\Final\Fig_4-5b Impacts to Structures.mxd 10/25/2012





Legend

Proposed Alignments

- Alignment Option 4B
- Alignment Option 6
- Alignment Option 7
- Parcel Boundary

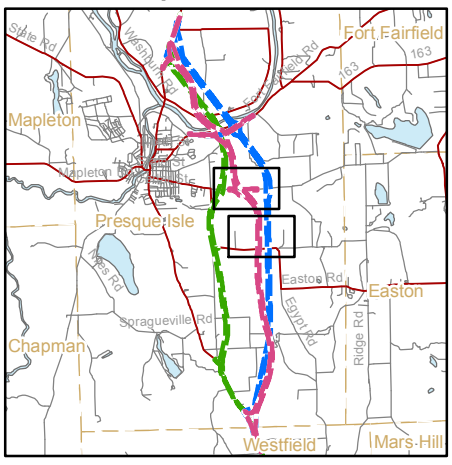
Note: Parcel boundaries are approximate

Parcel Boundary Data Source: Langille Aroostook Engineering Group, 2004

- A Agricultural Affected Structure (Alignment Option)
- C Commercial Affected Structure (Alignment Option)
- G Government Affected Structure (Alignment Option)
- I Industrial Affected Structure (Alignment Option)
- R Residential Affected Structure (Alignment Option)

0 400 800 Feet

Location Map

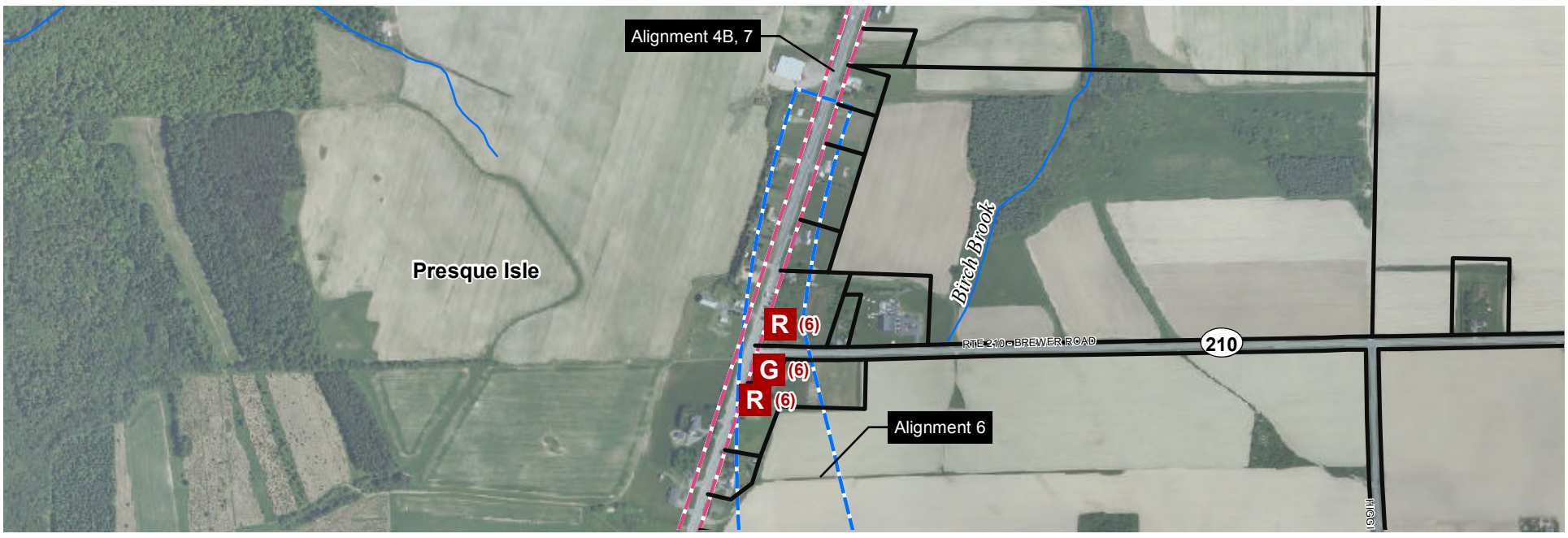


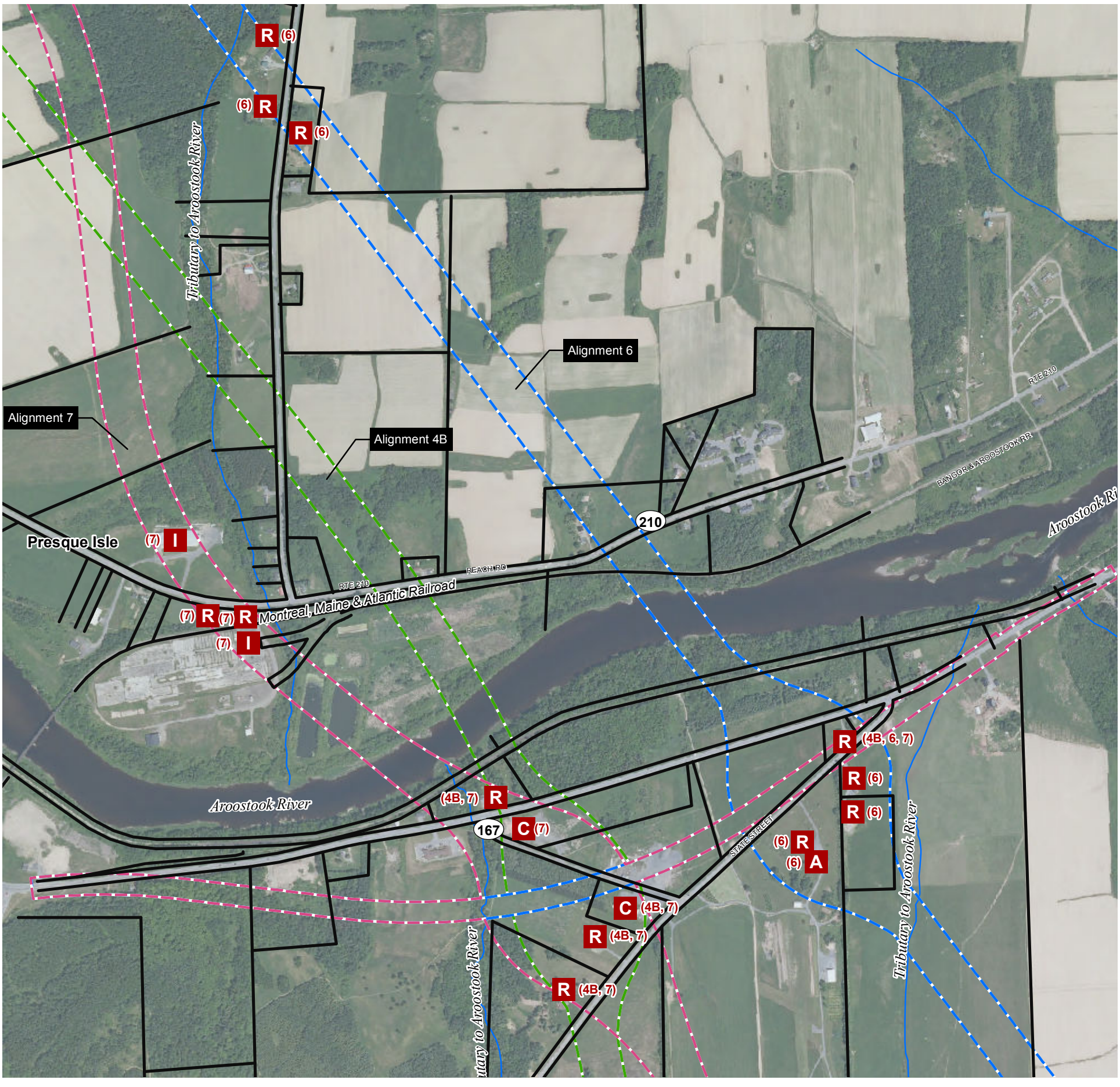
Aroostook County Transportation Study

Figure 4-5b

Structures Potentially Affected By Tier 2 FEIS Alignment Options

\\MAWATR\ev\06520.02\GIS\project\Presque_Isle\Final\Fig_4-5c Impacts to Structures.mxd 11/16/2012





Legend

Proposed Alignments

- Alignment Option 4B
- Alignment Option 6
- Alignment Option 7
- Parcel Boundary

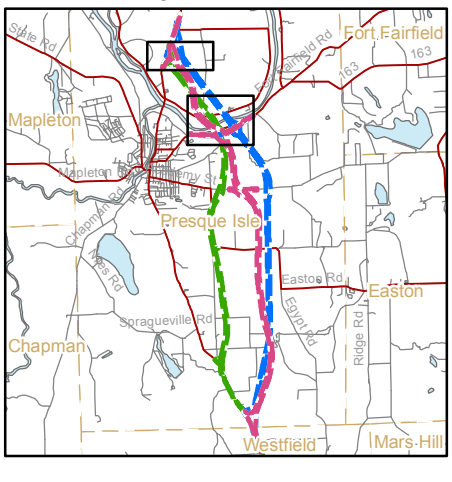
Note: Parcel boundaries are approximate

Parcel Boundary Data Source: Langille Aroostook Engineering Group, 2004

- A Agricultural Affected Structure (Alignment Option)
- C Commercial Affected Structure (Alignment Option)
- G Government Affected Structure (Alignment Option)
- I Industrial Affected Structure (Alignment Option)
- R Residential Affected Structure (Alignment Option)

0 400 800 Feet

Location Map

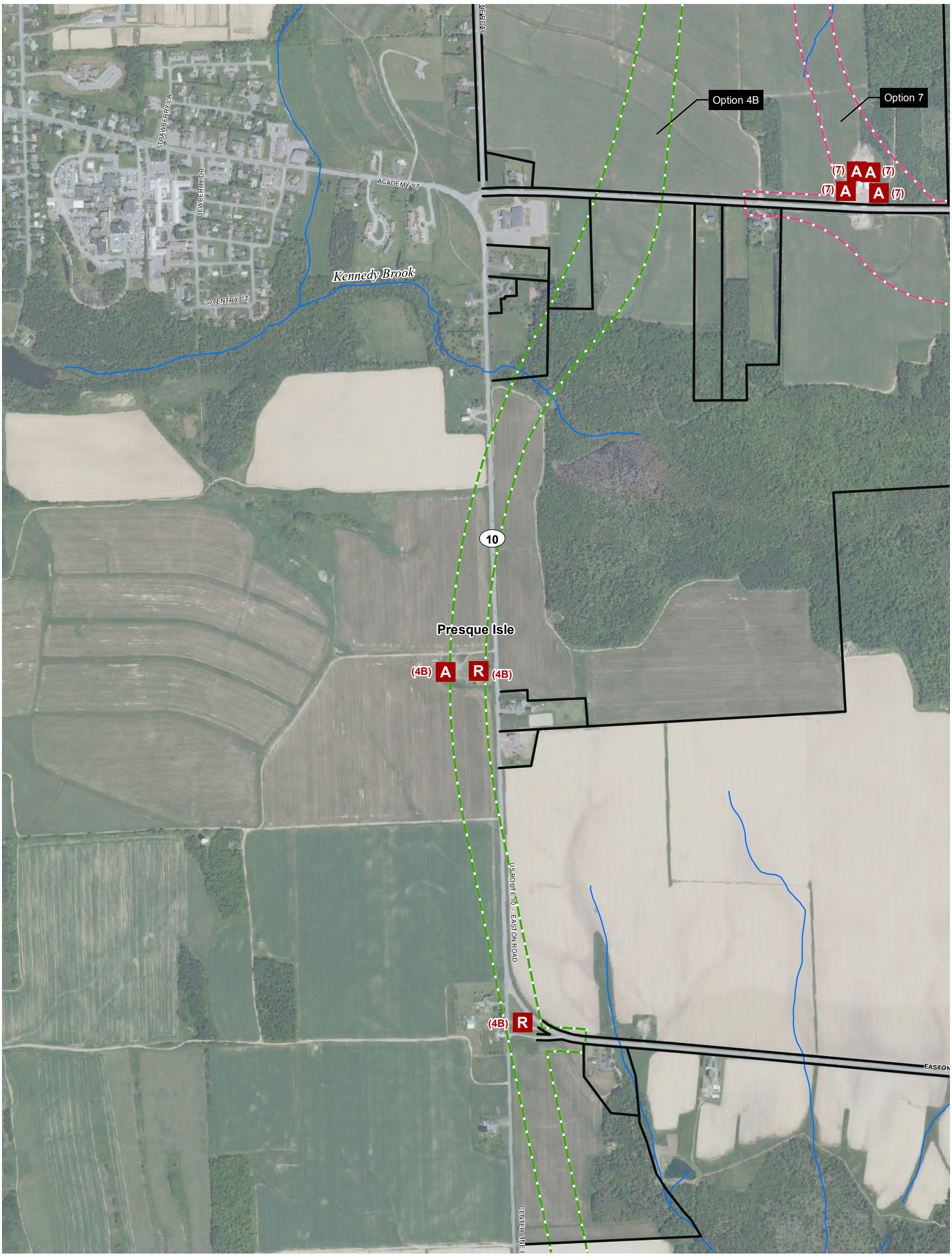


Aroostook County Transportation Study

Figure 4-5c

Structures Potentially Affected By Tier 2 FEIS Alignment Options

\\MAWATR\ev\06520.02\GIS\project\Presque_Isle\Final\Fig_4-5d Impacts to Structures.mxd 10/25/2012



Legend

Proposed Alignments

- Alignment Option 4B
- Alignment Option 6
- Alignment Option 7
- Parcel Boundary

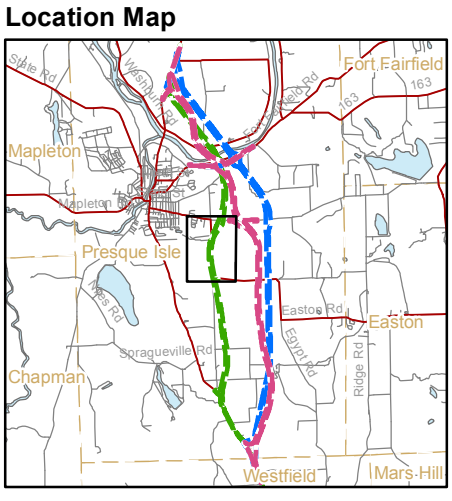
Note: Parcel boundaries are approximate

Parcel Boundary Data Source: Langille Aroostook Engineering Group, 2004

- A Agricultural Affected Structure (Alignment Option)
- C Commercial Affected Structure (Alignment Option)
- G Government Affected Structure (Alignment Option)
- I Industrial Affected Structure (Alignment Option)
- R Residential Affected Structure (Alignment Option)

0 400 800 Feet

Location Map

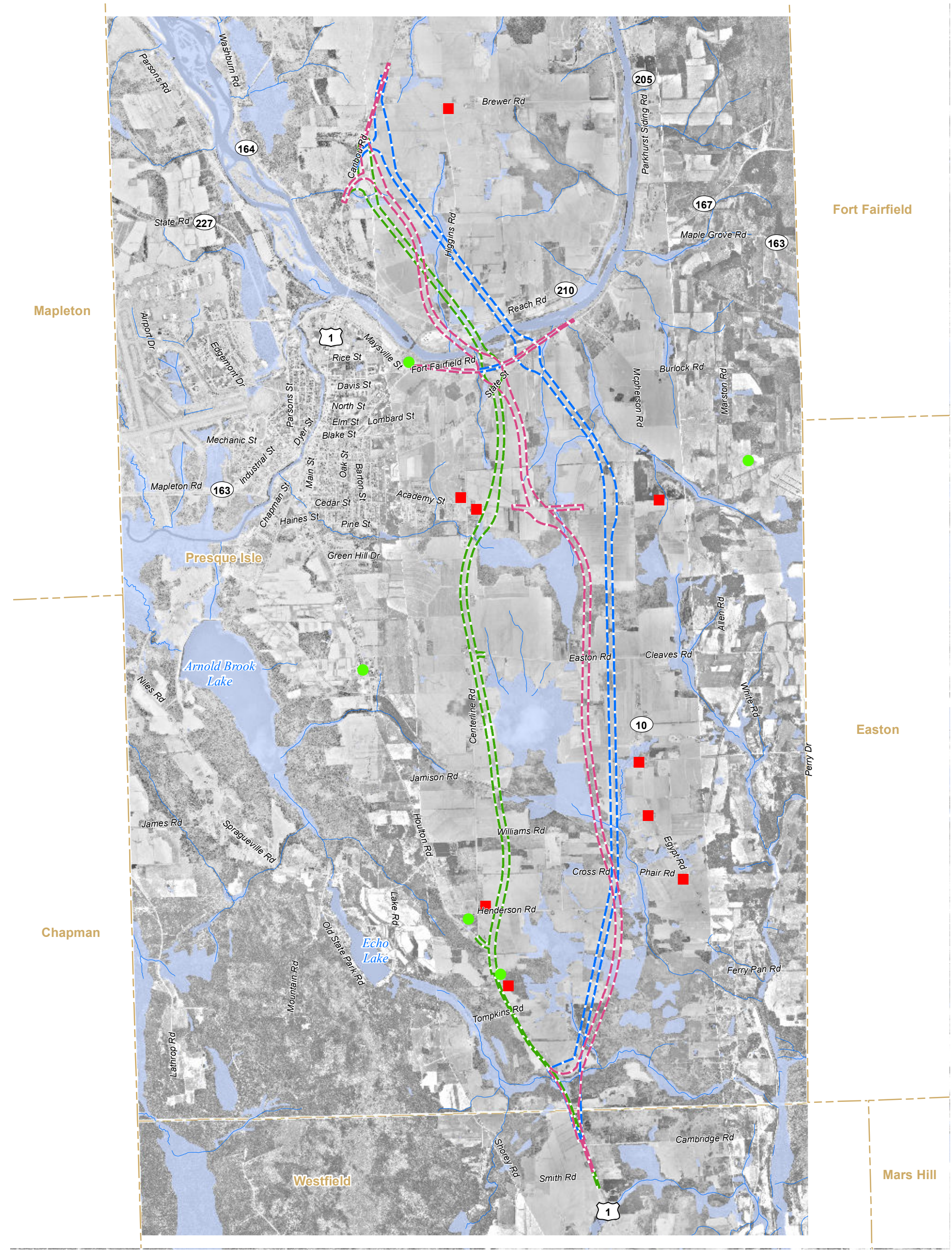


Aroostook County Transportation Study

Figure 4-5d

Structures Potentially Affected By Tier 2 FEIS Alignment Options

\\MAWATR\ev\06520.02\GIS\project\Presque_Isle\Final\Fig_4-6 Impacts to Registered UST.mxd 10/19/2012



Legend

- Alignment Option 4B
- Alignment Option 6
- Alignment Option 7
- Town Boundaries
- Wetland
- Spill
- UST

0 2,250 4,500 Feet

Aroostook County Transportation Study

Figure 4-6

Registered Underground Storage Tanks and Known Spills Superimposed Over FEIS Alignment Options

Centerline Rd

Farmstead
1 Centerline Road
(0.30 Acres Land Impact)
(Alignment Option 4B)

Presque Isle

Houlton Rd

Legend

Alignment Options (300-foot right-of-way)

- Alignment Option 4B
- Alignment Option 6
- Alignment Option 7
- Parcel Boundary
- Streams

Note: Parcel boundaries are approximate

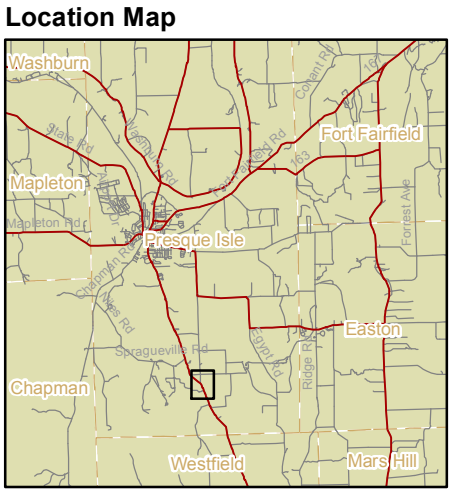
Parcel Boundary Data Source: Langille Aroostook Engineering Group, 2004

Section 4(f) Resources

- National Register Eligible Property
- Approximate Historic Parcel

0 100 200 Feet

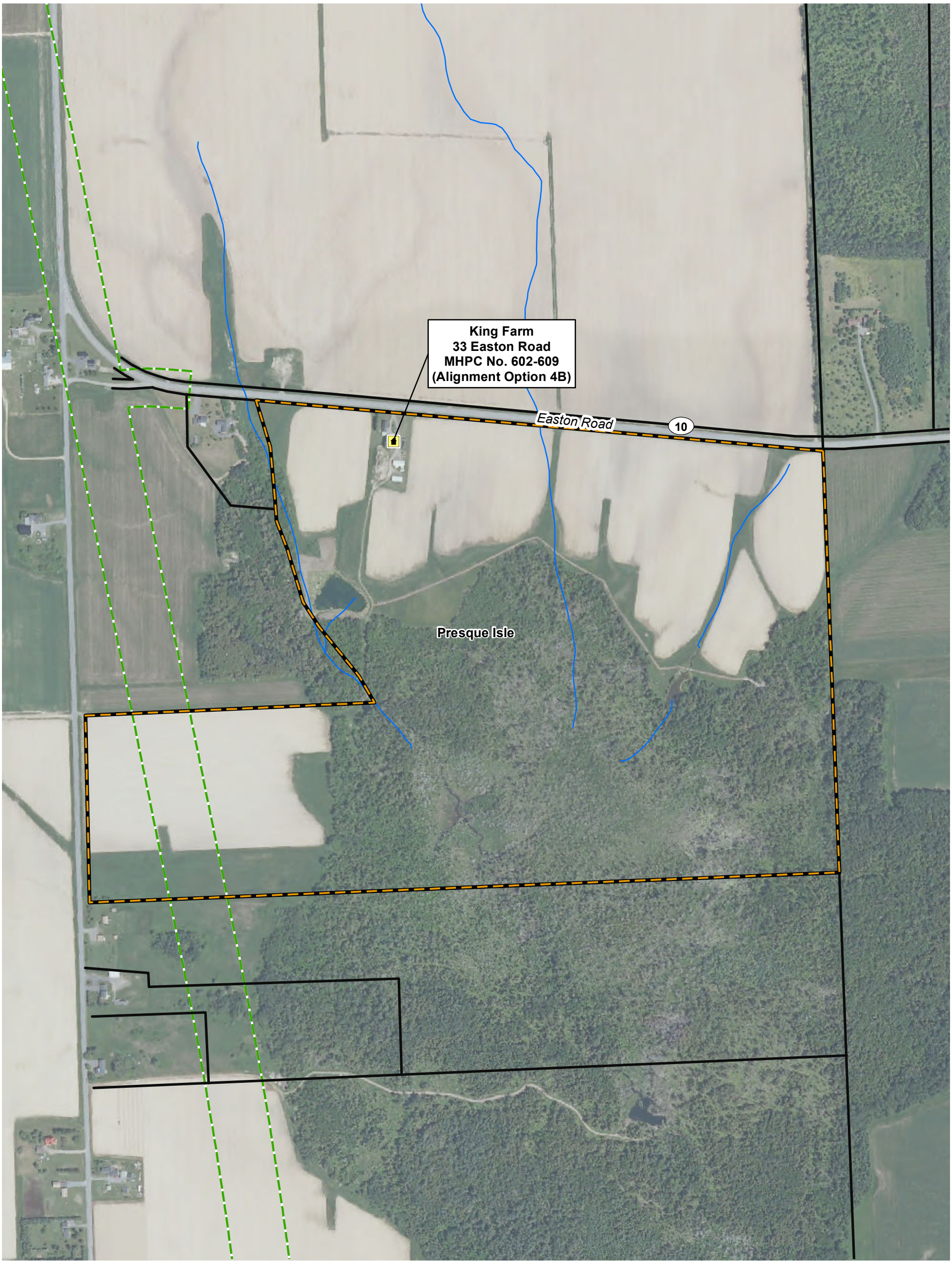
Location Map



Aroostook County Transportation Study

Figure 4-7a

Section 4(f) Properties Superimposed Over FEIS Alignment Options



Legend

Alignment Options (300-foot right-of-way)

- Alignment Option 4B
- Alignment Option 6
- Alignment Option 7

- Parcel Boundary
- Streams

Note: Parcel boundaries are approximate

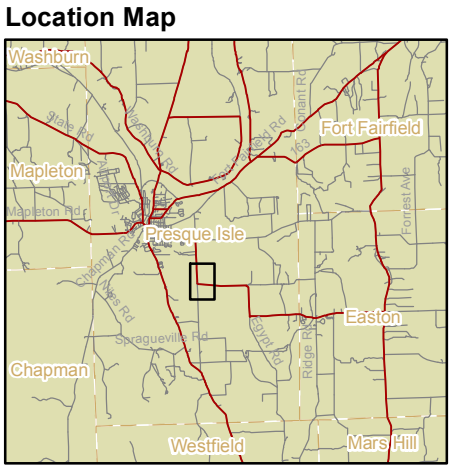
Parcel Boundary Data Source: Langille Aroostook Engineering Group, 2004

Section 4(f) Resources

- National Register Eligible Property
- National Register Property Boundary

0 300 600 Feet

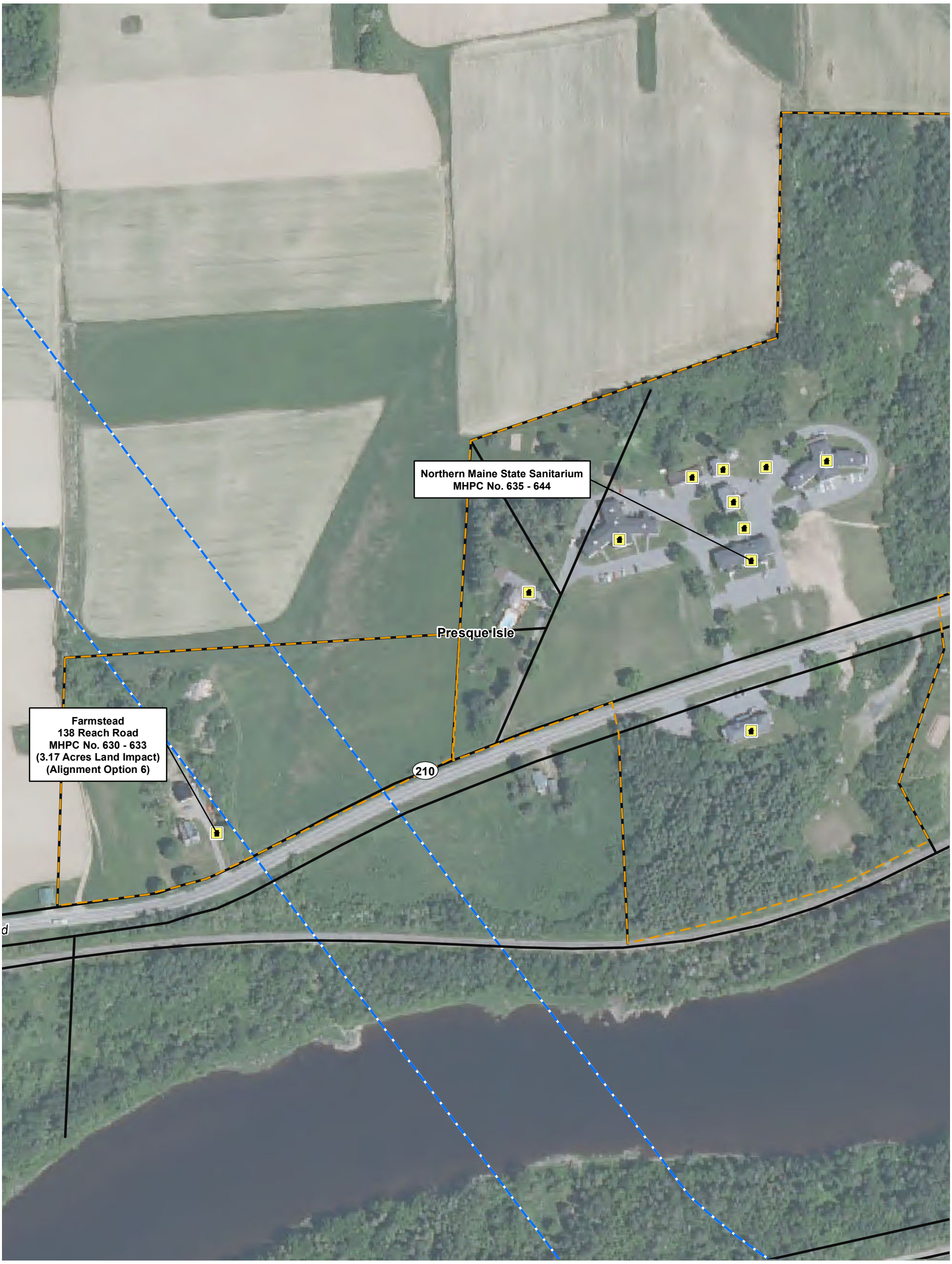
Location Map



Aroostook County Transportation Study

Figure 4-7b

Section 4(f) Properties Superimposed Over FEIS Alignment Options



Legend

Alignment Options (300-foot right-of-way)

- Alignment Option 4B
- Alignment Option 6
- Alignment Option 7

- Parcel Boundary
- Streams

Note: Parcel boundaries are approximate

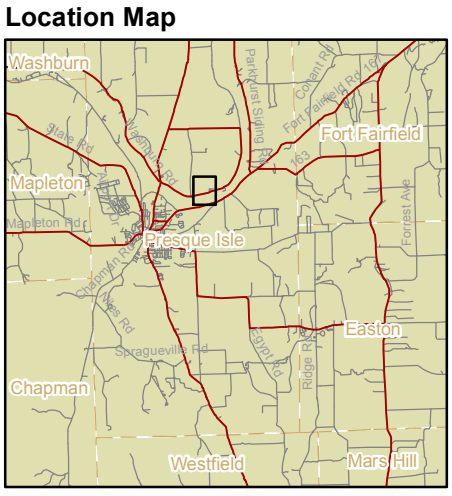
Parcel Boundary Data Source: Langille Aroostook Engineering Group, 2004

Section 4(f) Resources

- National Register Eligible Property
- Approximate Historic Parcel

0 100 200 Feet

Location Map



Aroostook County Transportation Study

Figure 4-7c

Section 4(f) Properties Superimposed Over FEIS Alignment Options

Birch Brook

Parkhurst Rd

210

Maysville School/Maysville Center Grange
MHPC No. 678
(0.47 Acres Land Impact)
(Alignment Option 6)

Presque Isle

Potato Barn
MHPC No. 670
(10.44 Acres Land Impact)
(Alignment Option 6)

Caribou Rd

English Barn
MHPC No. 667
(0.59 Acres Land Impact)
(Alignment Option 6)

Legend

Alignment Options (300-foot right-of-way)

- Alignment Option 4B
- Alignment Option 6
- Alignment Option 7

- Parcel Boundary
- Streams

Note: Parcel boundaries are approximate

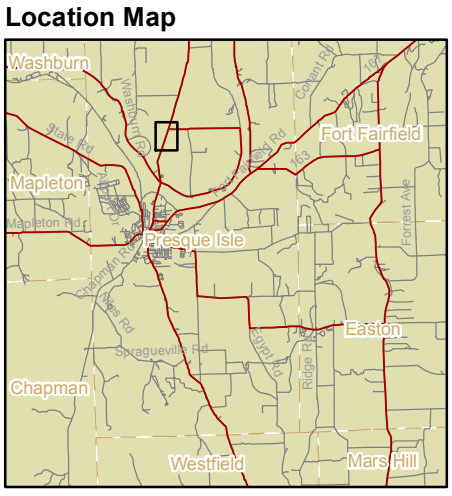
Parcel Boundary Data Source: Langille Aroostook Engineering Group, 2004

Section 4(f) Resources

- National Register Eligible Property
- Approximate Historic Parcel

0 100 200 Feet

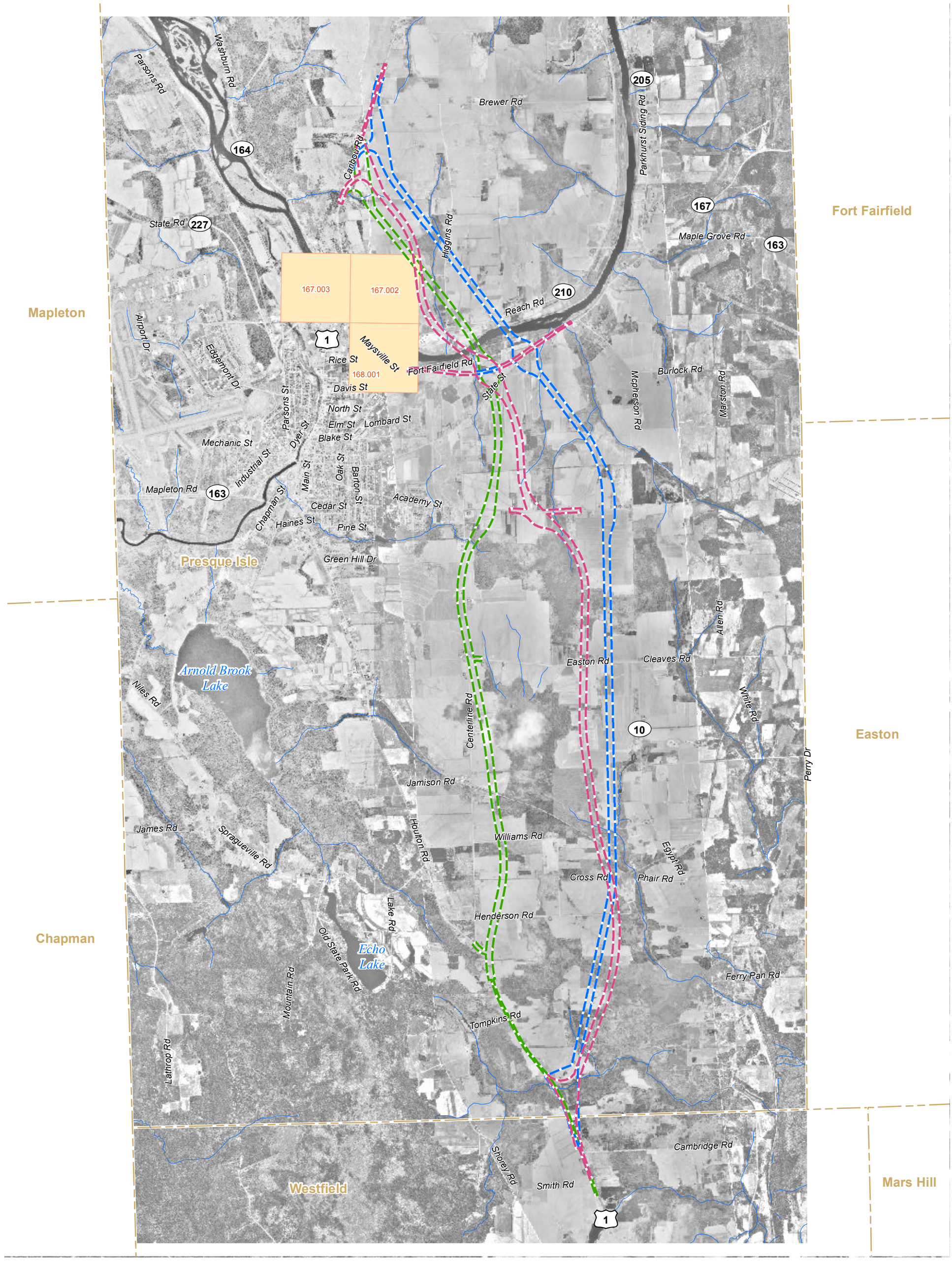
Location Map



Aroostook County Transportation Study

Figure 4-7d

Section 4(f) Properties Superimposed Over FEIS Alignment Options



Legend

- Town Boundaries
- Alignment Option 4B
- Alignment Option 6
- Alignment Option 7
- Known Prehistoric Archaeological Sites

Source: Maine Historic Preservation Commission, Augusta, ME (Provided in 1999, updated 2004)

167.003 - MHPC site number

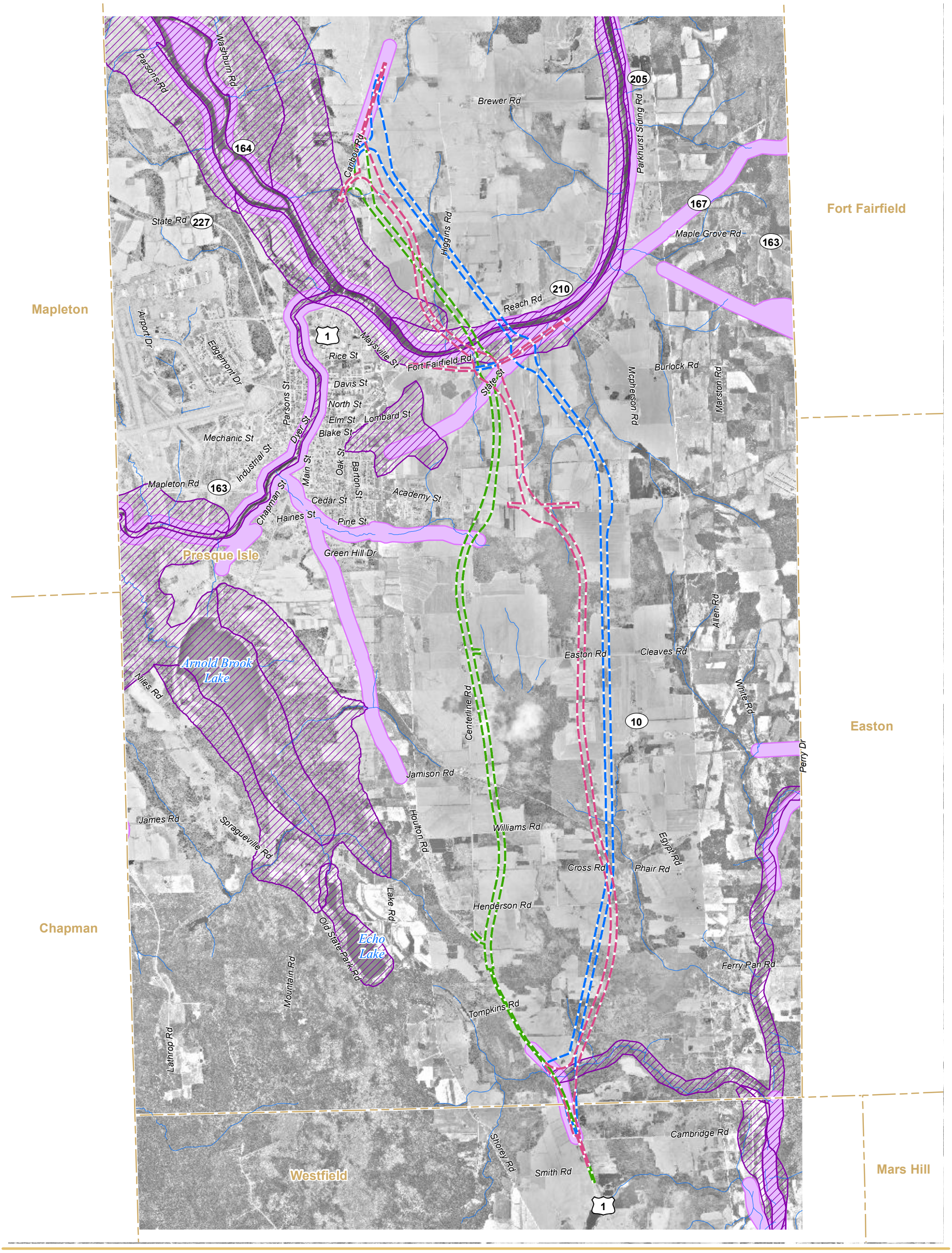
The APE for archaeological resources is defined as those areas directly abutting or within the right-of-way for the FEIS alignment options. In areas where new roadway alignments are proposed, the APE also includes areas adjacent to the FEIS alignment options rights-of-way.

Aroostook County Transportation Study

Figure 4-8

Known Prehistoric or Historic Archaeological Sites Superimposed Over FEIS Alignment Options

0 2,250 4,500 Feet



Legend

- Alignment Option 4B
- Alignment Option 6
- Alignment Option 7
- Town Boundaries
- Archeologically Sensitive Areas - Historic
- Archeologically Sensitive Areas - Prehistoric

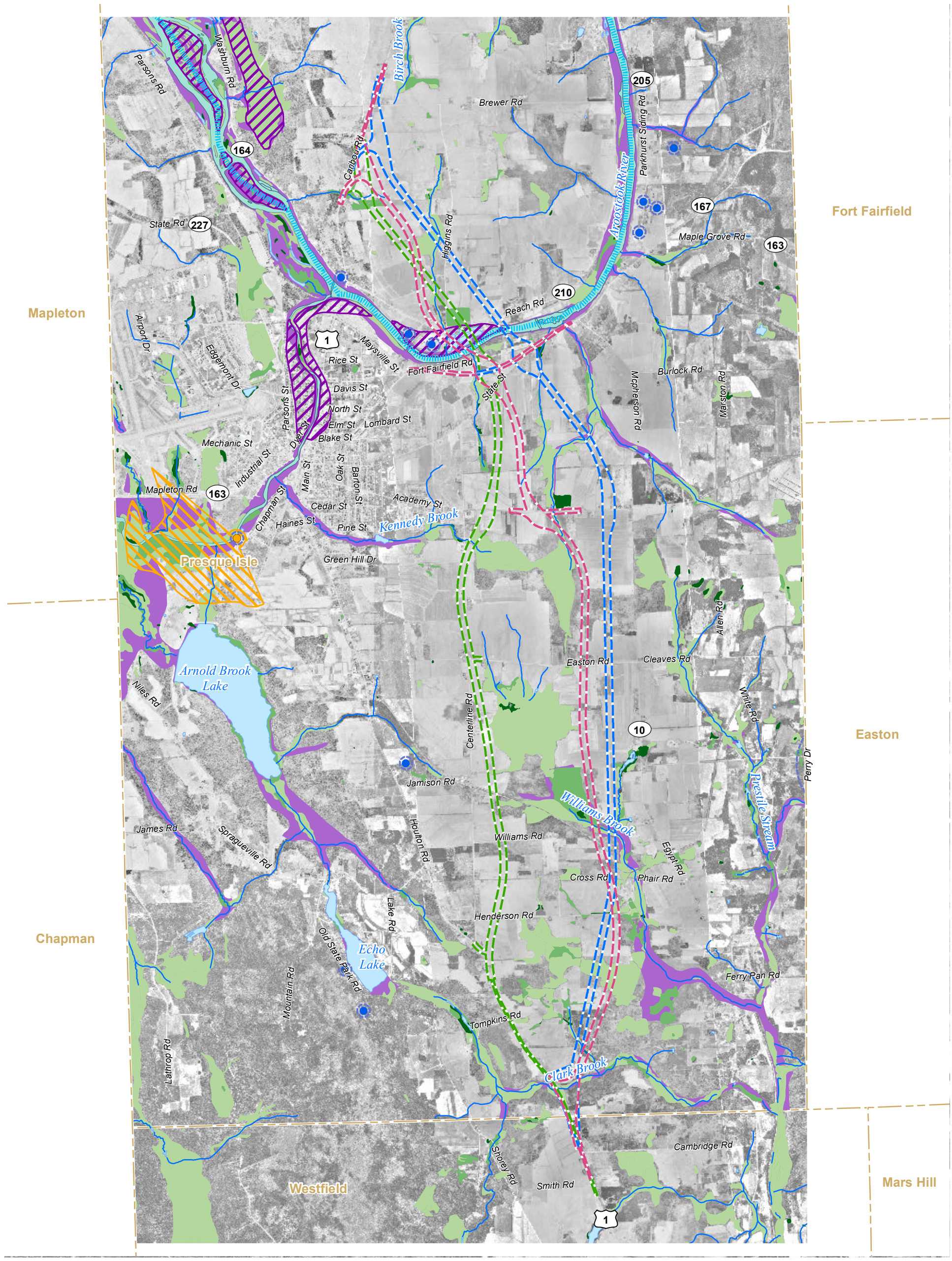
Source: Maine Historic Preservation Commission, Augusta, ME (Provided in 1999, updated 2004)

0 2,250 4,500 Feet

Aroostook County Transportation Study

Figure 4-9

Archaeologically Sensitive Areas Superimposed Over FEIS Alignment Options



Legend

- Town Boundaries
- Surface Water Intake
- Groundwater Wells
- Streams
- Outstanding River Segments
- Wellhead Protection Areas
- Sand Gravel Aquifers
- Surface Water Supply Watershed

Wetland Systems

- Riverine Wetlands
- PEM
- PFO
- PSS
- Floodplains

Segment 7 Alignment Options

- Alignment Option 4B
- Alignment Option 6
- Alignment Option 7

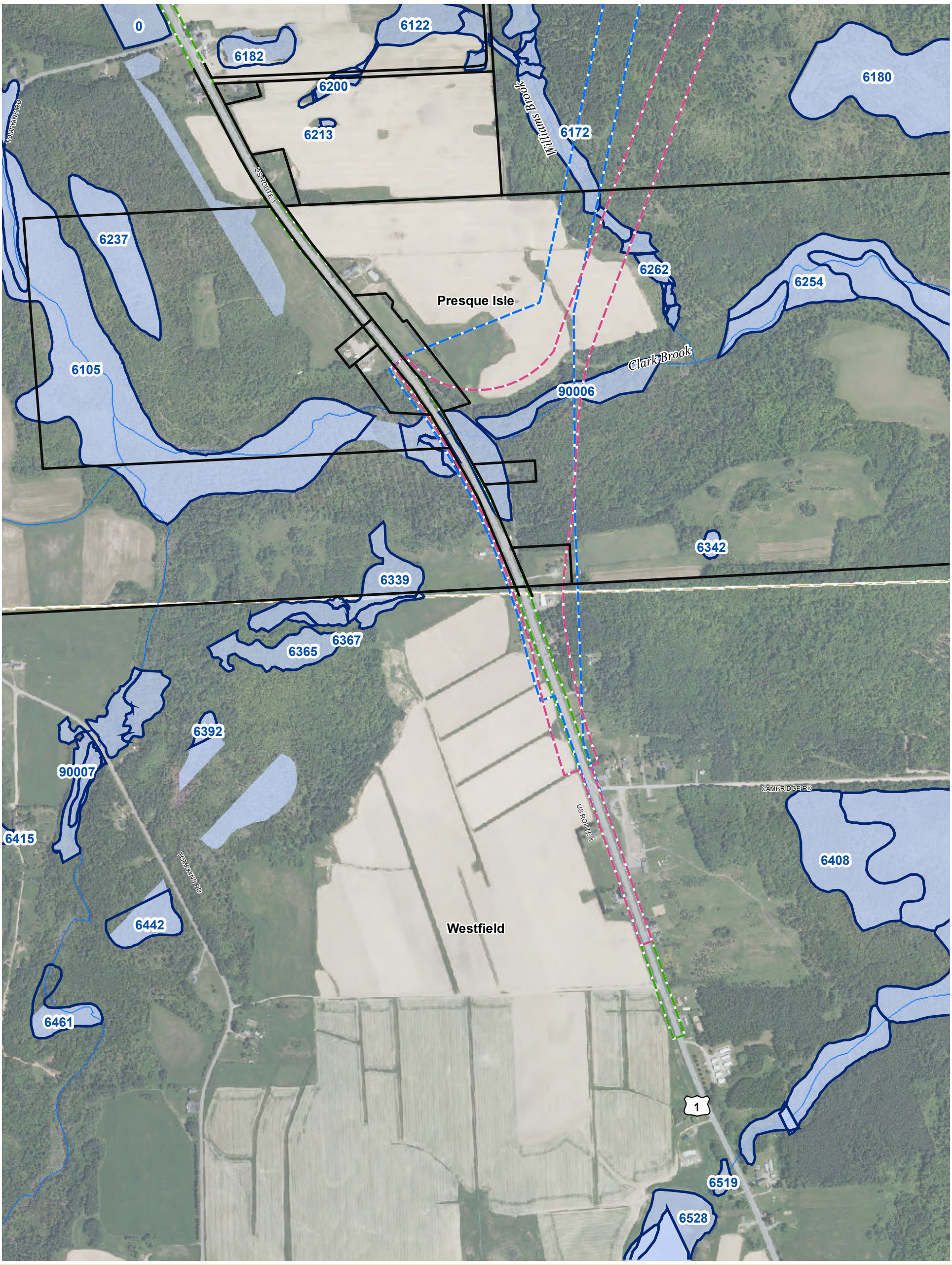
0 2,250 4,500 Feet

Source: Maine Department of Conservation, Maine Department of Environmental Protection, U.S. Fish and Wildlife Service, National Wetlands Inventory, Maine Office of Geographic Information Systems

Aroostook County Transportation Study

Figure 4-10

Wetlands and Water Resources Superimposed Over FEIS Alignment Options



Legend

Alignment Options (300-foot right-of-way)

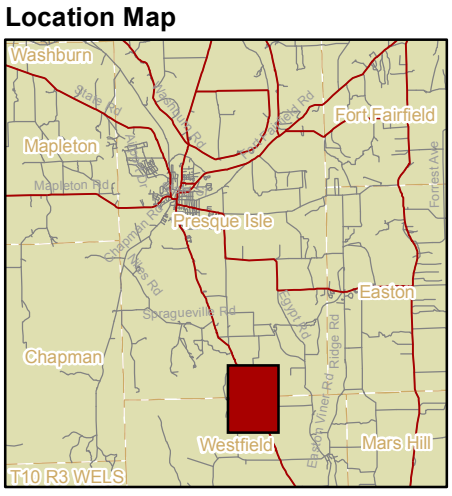
- Alignment Option 4B
- Alignment Option 6
- Alignment Option 7
- Parcel Boundary
- Streams
- Wetlands
- Wetland System

Note: Parcel boundaries are approximate

Parcel Boundary Data Source: Langille Aroostook Engineering Group, 2004

0 400 800 Feet

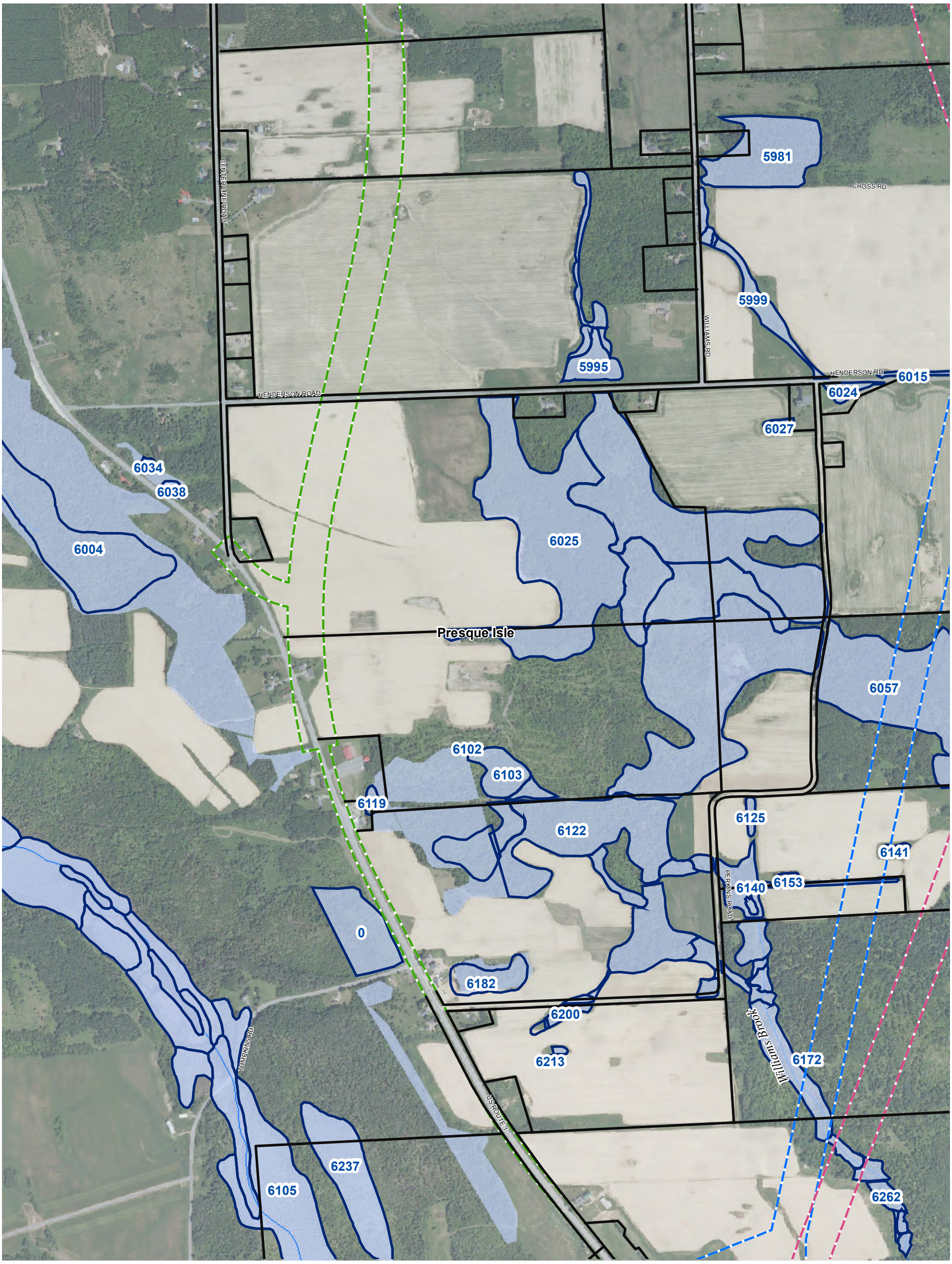
Location Map



Aroostook County Transportation Study

Figure 4-11a

Detailed View of Potential Wetlands Superimposed Over FEIS Alignment Options



Legend

Alignment Options (300-foot right-of-way)

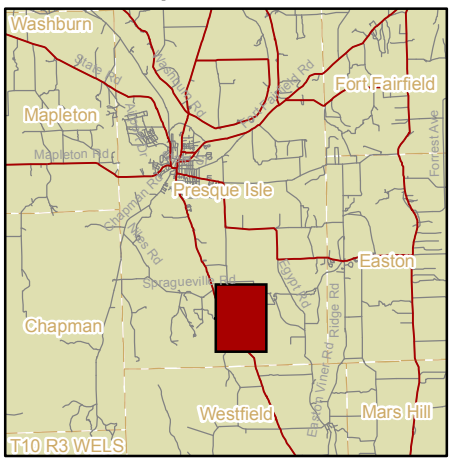
- Alignment Option 4B
- Alignment Option 6
- Alignment Option 7
- Parcel Boundary
- Streams
- Wetlands
- Wetland System

Note: Parcel boundaries are approximate

Parcel Boundary Data Source: Langille Aroostook Engineering Group, 2004

0 400 800 Feet

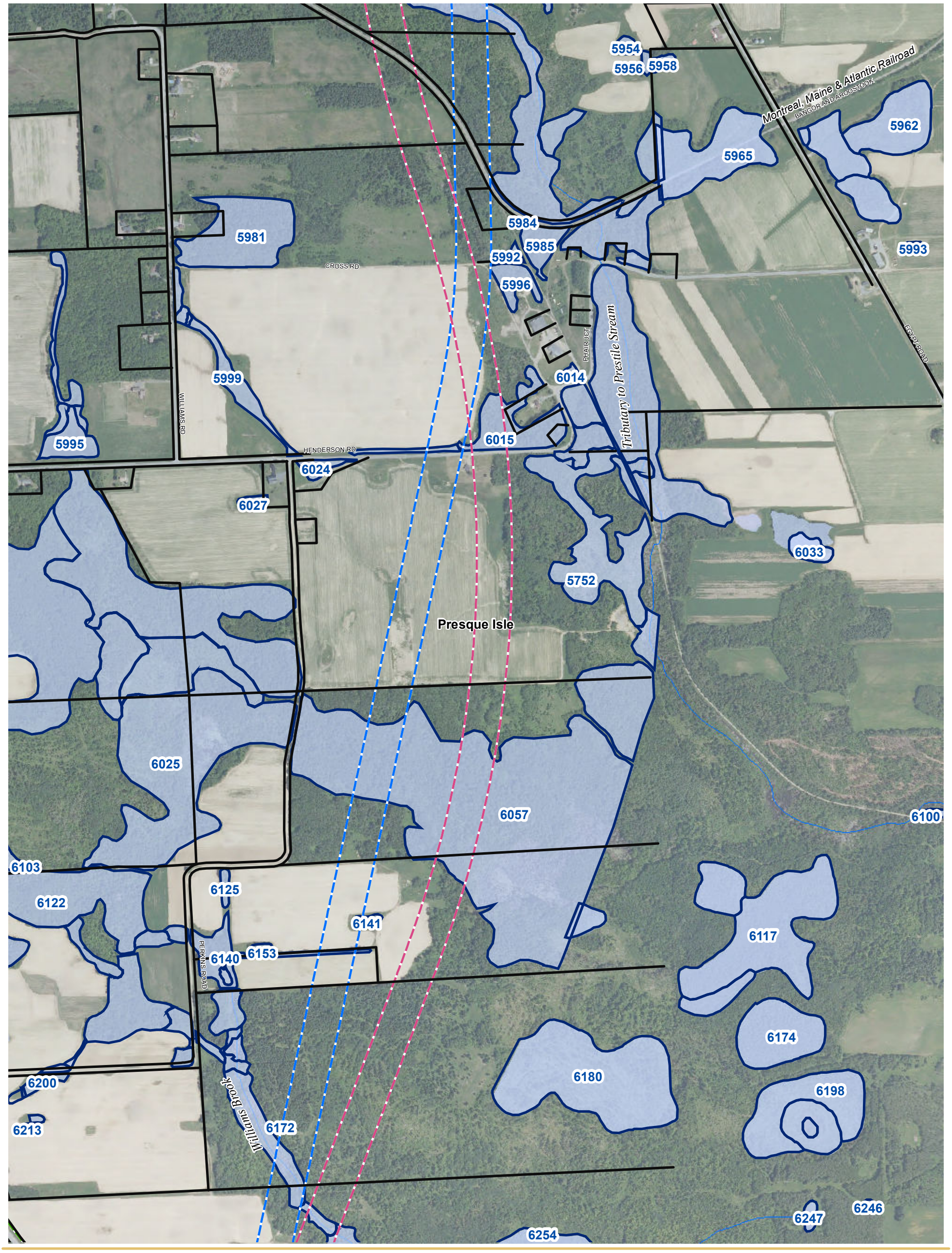
Location Map



Aroostook County Transportation Study

Figure 4-11b

Detailed View of Potential Wetlands Superimposed Over FEIS Alignment Options



Legend

Alignment Options (300-foot right-of-way)

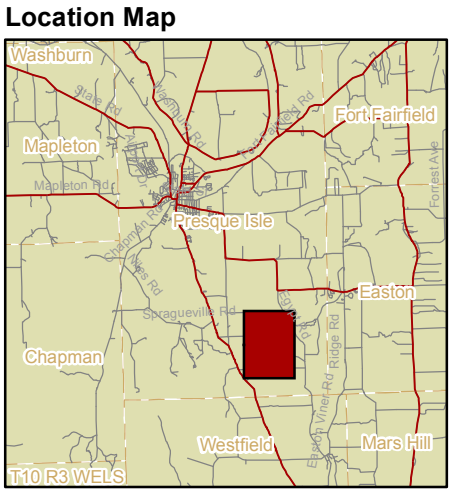
- Alignment Option 4B
- Alignment Option 6
- Alignment Option 7
- Parcel Boundary
- Streams
- Wetlands
- Wetland System

Note: Parcel boundaries are approximate

Parcel Boundary Data Source: Langille Aroostook Engineering Group, 2004

0 400 800 Feet

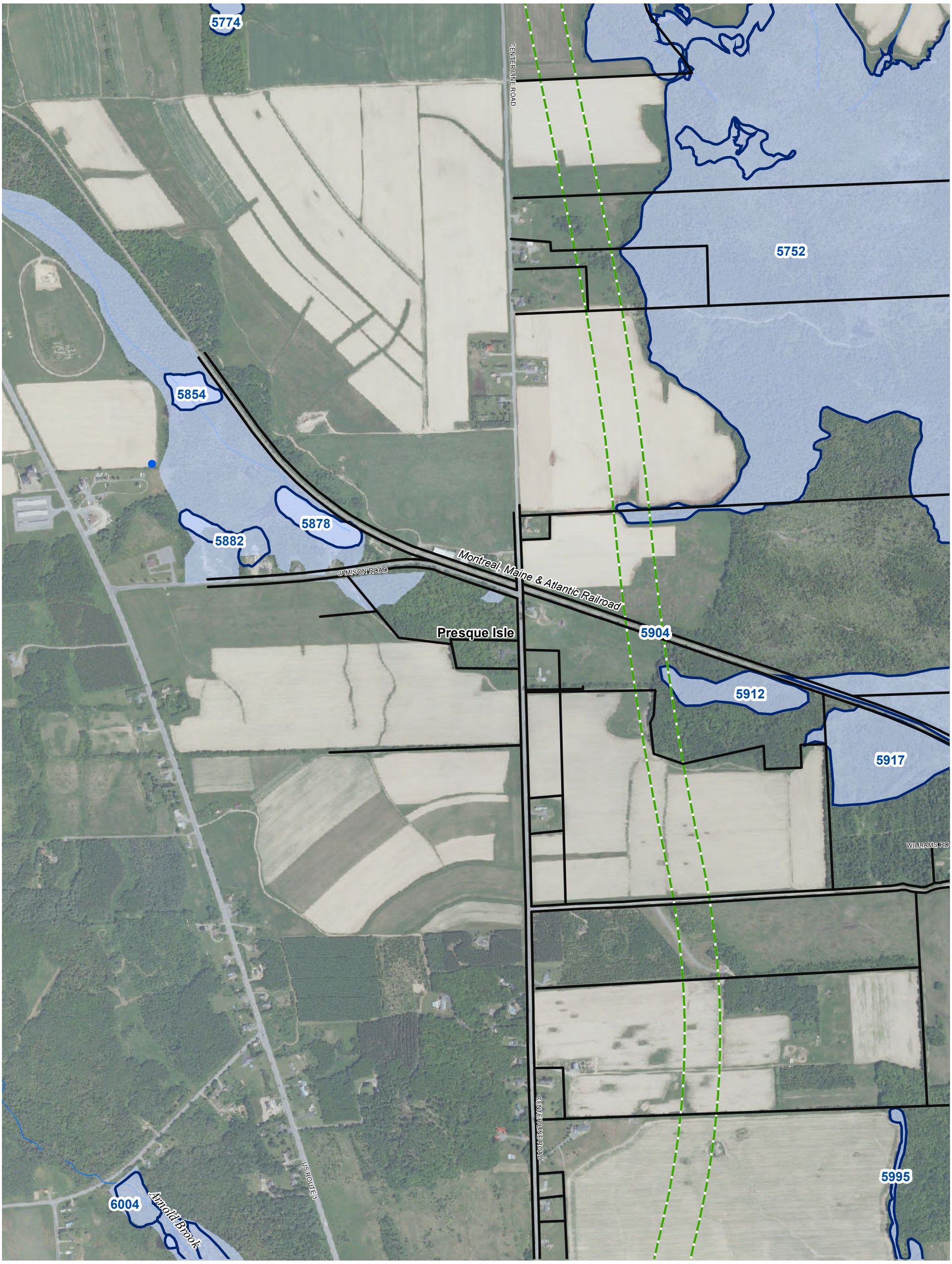
Location Map



Aroostook County Transportation Study

Figure 4-11c

Detailed View of Potential Wetlands Superimposed Over FEIS Alignment Options



Legend

Alignment Options (300-foot right-of-way)

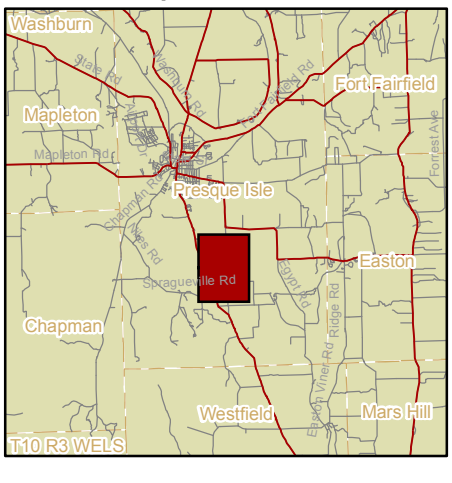
- Alignment Option 4B
- Alignment Option 6
- Alignment Option 7
- Parcel Boundary
- Streams
- Wetlands
- Wetland System

Note: Parcel boundaries are approximate

Parcel Boundary Data Source: Langille Aroostook Engineering Group, 2004

0 400 800 Feet

Location Map

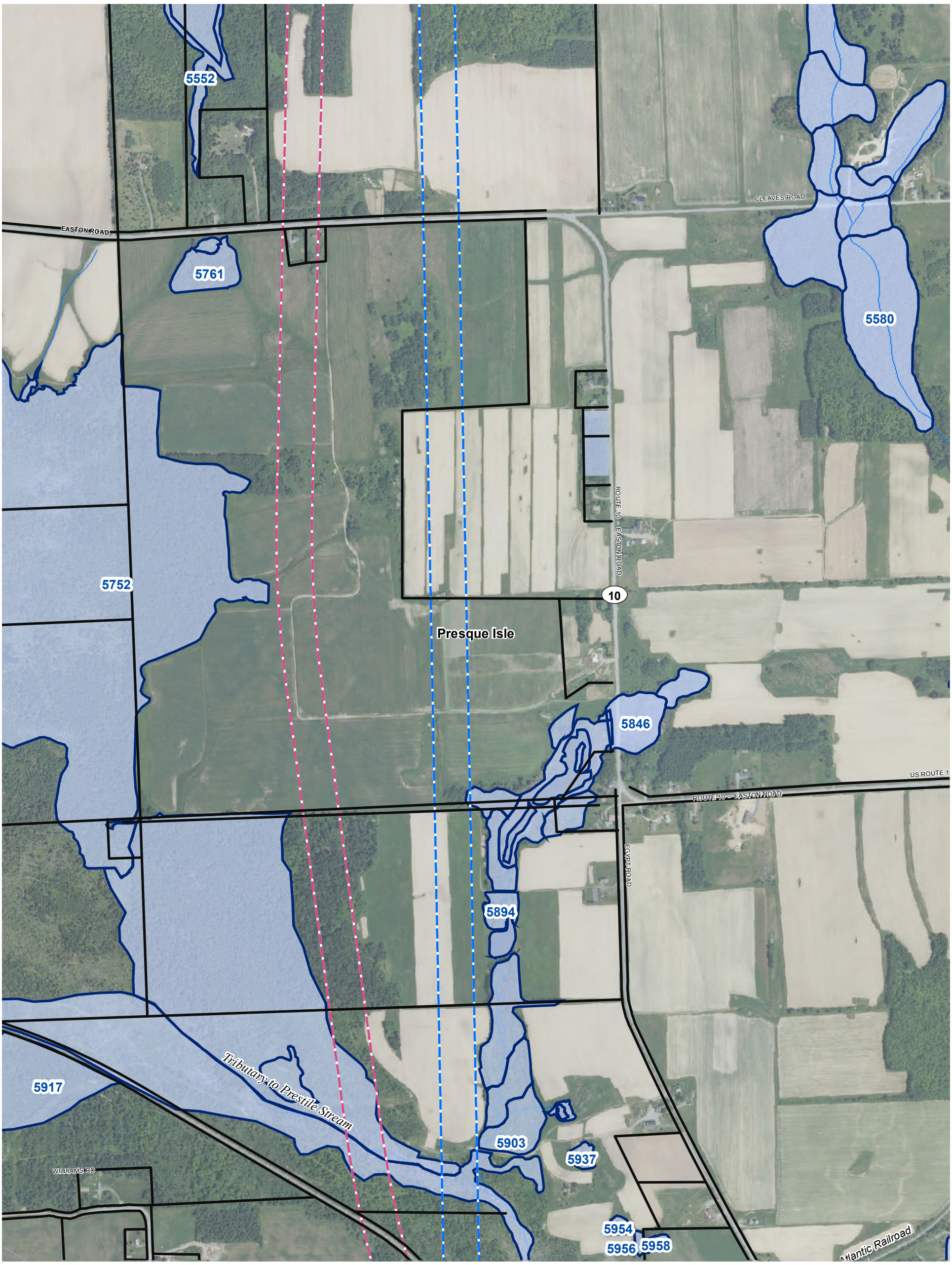


Aroostook County Transportation Study

Figure 4-11d

Detailed View of Potential Wetlands Superimposed Over FEIS Alignment Options

\\MAWATR\ev\06520.02\GIS\project\Presque_Isle\Final\Fig_4-11 Detailed View of Wetland Impacts.mxd 10/25/2012



Legend

Alignment Options (300-foot right-of-way)

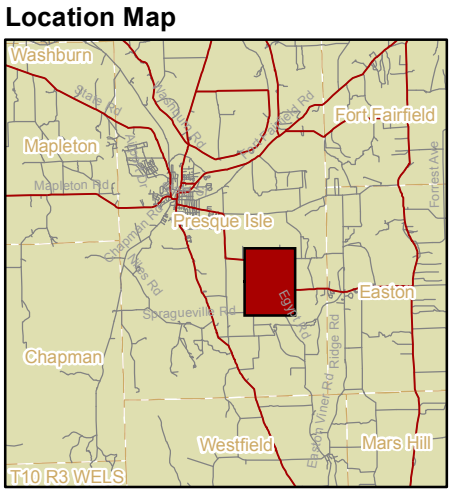
- Alignment Option 4B
- Alignment Option 6
- Alignment Option 7
- Parcel Boundary
- Streams
- Wetlands
- Wetland System

Note: Parcel boundaries are approximate

Parcel Boundary Data Source: Langille Aroostook Engineering Group, 2004

0 400 800 Feet

Location Map

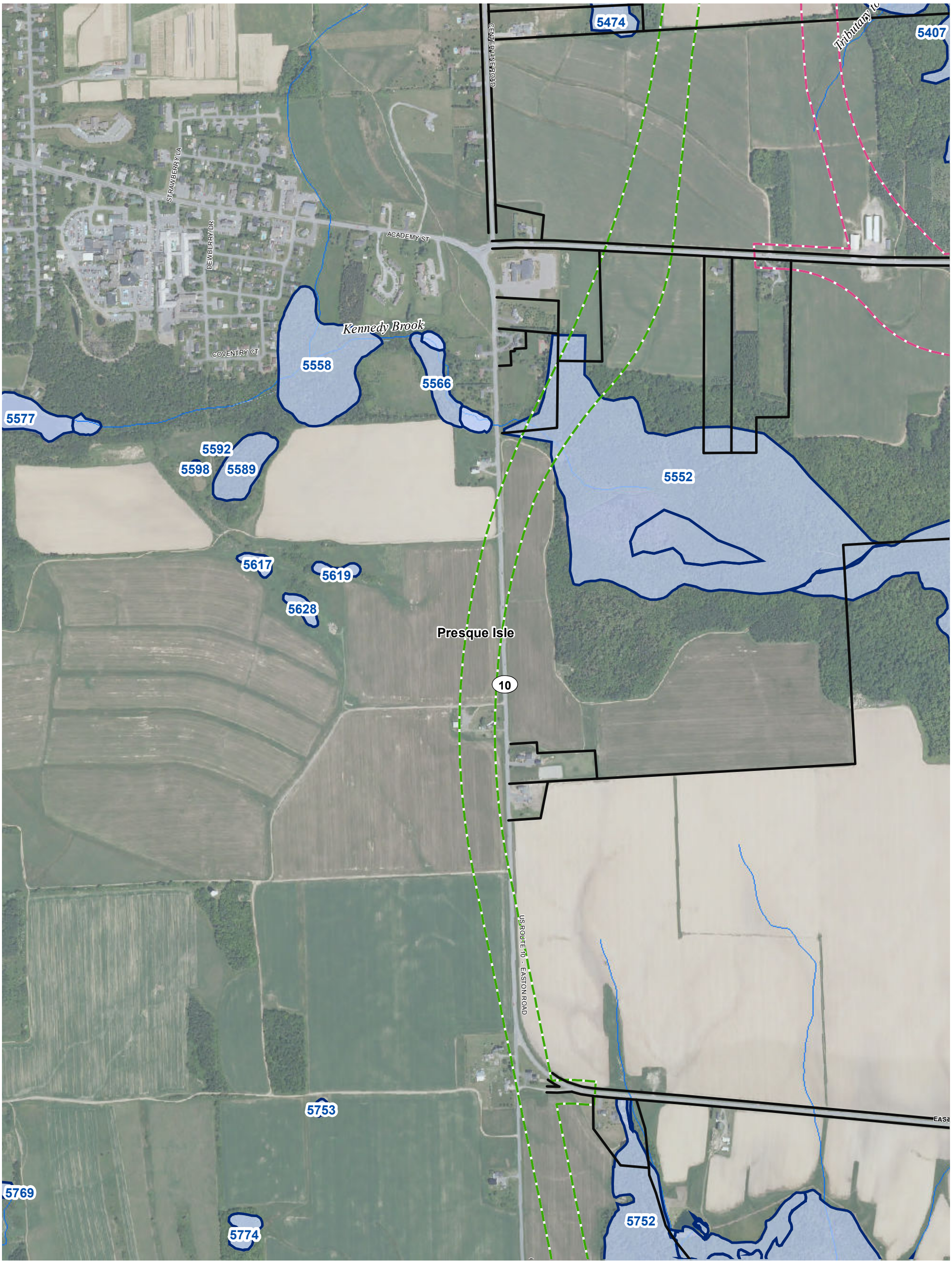


Aroostook County Transportation Study

Figure 4-11e

Detailed View of Potential Wetlands Superimposed Over FEIS Alignment Options

\\MAWATR\ev\06520.02\GIS\project\Presque_Isle\Final\Fig_4-11 Detailed View of Wetland Impacts.mxd 10/25/2012



Legend

Alignment Options (300-foot right-of-way)

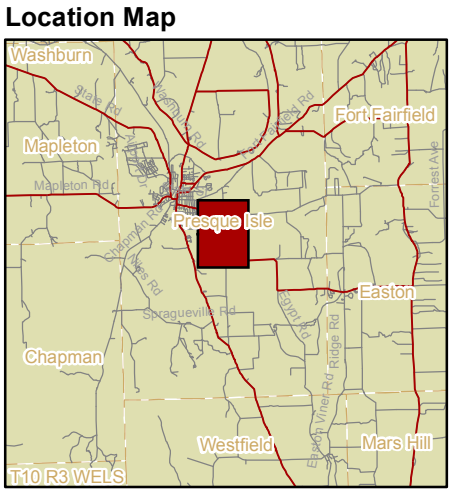
- Alignment Option 4B
- Alignment Option 6
- Alignment Option 7
- Parcel Boundary
- Streams
- Wetlands
- Wetland System

Note: Parcel boundaries are approximate

Parcel Boundary Data Source: Langille Aroostook Engineering Group, 2004

0 400 800 Feet

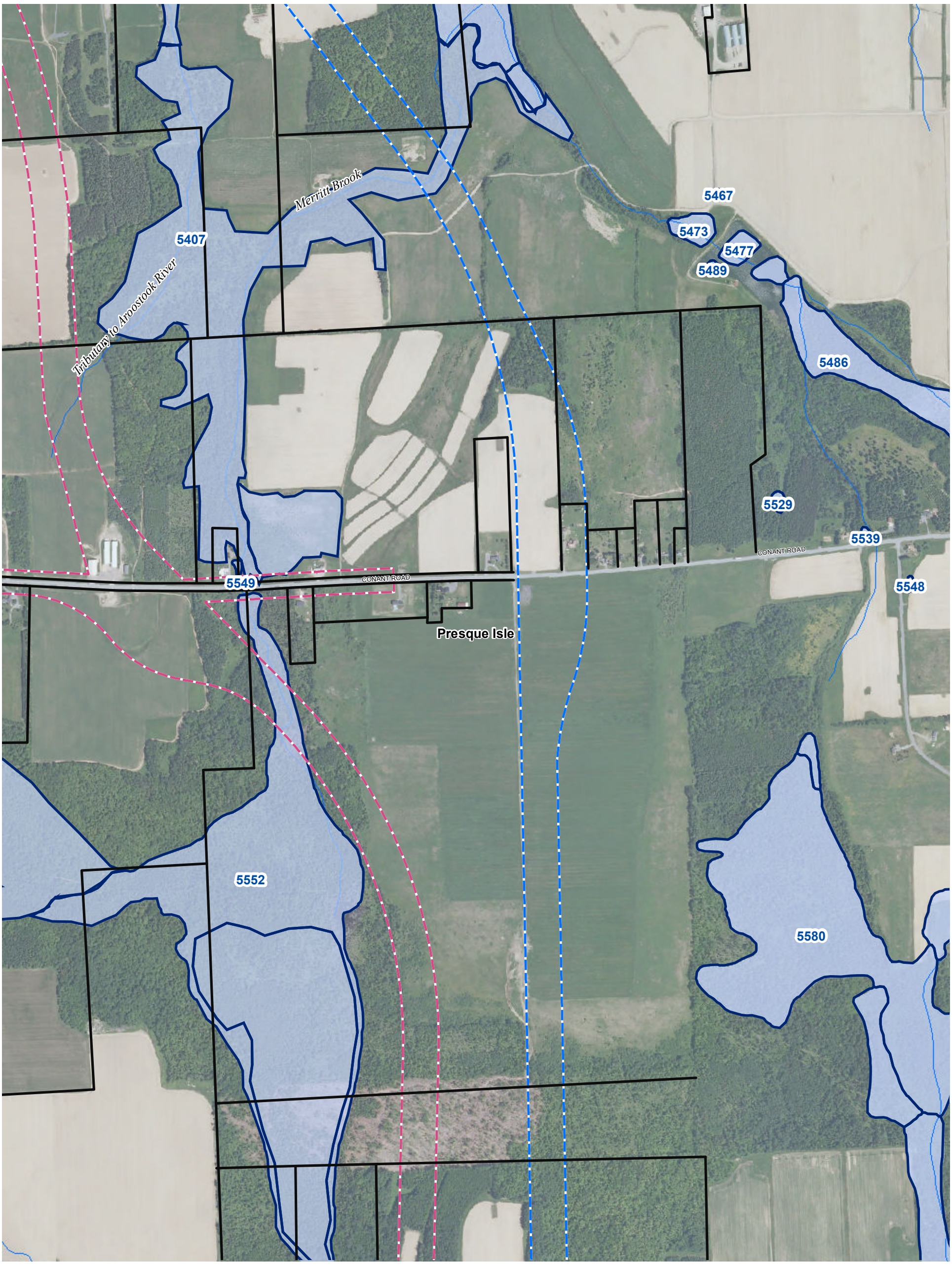
Location Map



Aroostook County Transportation Study

Figure 4-11f

Detailed View of Potential Wetlands Superimposed Over FEIS Alignment Options



Legend

Alignment Options (300-foot right-of-way)

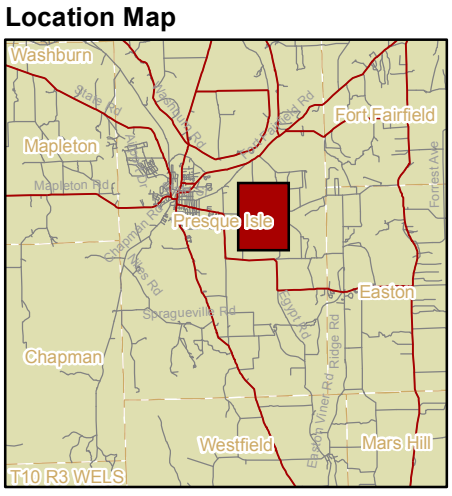
- Alignment Option 4B
- Alignment Option 6
- Alignment Option 7
- Parcel Boundary
- Streams
- Wetlands
- Wetland System

Note: Parcel boundaries are approximate

Parcel Boundary Data Source: Langille Aroostook Engineering Group, 2004

0 400 800 Feet

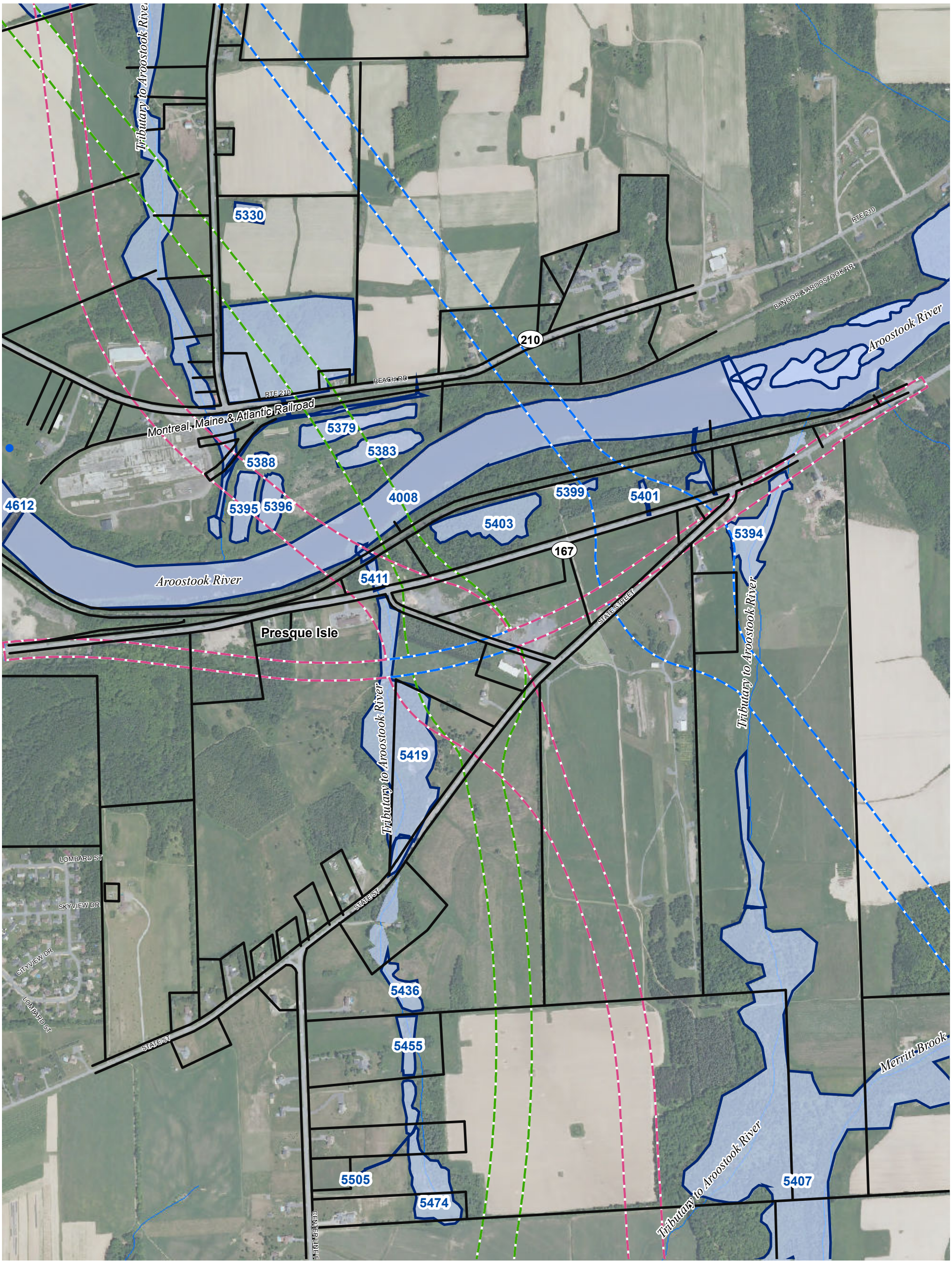
Location Map



Aroostook County Transportation Study

Figure 4-11g

Detailed View of Potential Wetlands Superimposed Over FEIS Alignment Options



Legend

Alignment Options (300-foot right-of-way)

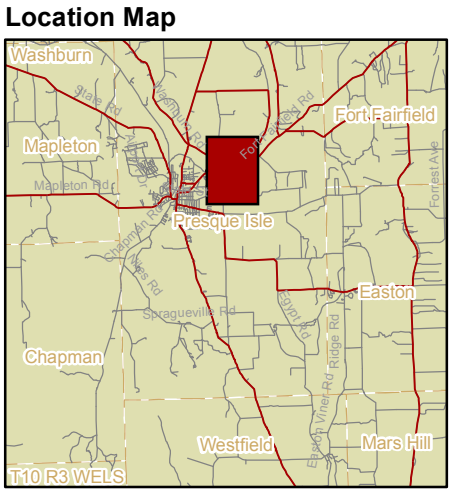
- Alignment Option 4B
- Alignment Option 6
- Alignment Option 7
- Parcel Boundary
- Streams
- Wetlands
- Wetland System

Note: Parcel boundaries are approximate

Parcel Boundary Data Source: Langille Aroostook Engineering Group, 2004

0 400 800 Feet

Location Map



Aroostook County Transportation Study

Figure 4-11h

Detailed View of Potential Wetlands Superimposed Over FEIS Alignment Options

5014
4875
5016
5018
5038
Birch Brook
RTE 210 - BREWER ROAD
210
5100
5114
HIGGINS ROAD
5146
5145
5153
Tributary to Aroostook River
Presque Isle
US ROUTE 1
5211
5185
164
Aroostook River
4612
5282
4008
Tributary to Aroostook River
HIGGINS ROAD

Legend

Alignment Options (300-foot right-of-way)

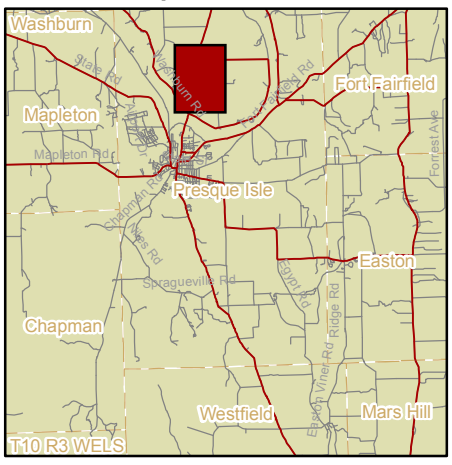
- Alignment Option 4B
- Alignment Option 6
- Alignment Option 7
- Parcel Boundary
- Streams
- Wetlands
- Wetland System

Note: Parcel boundaries are approximate

Parcel Boundary Data Source: Langille Aroostook Engineering Group, 2004

0 400 800 Feet

Location Map

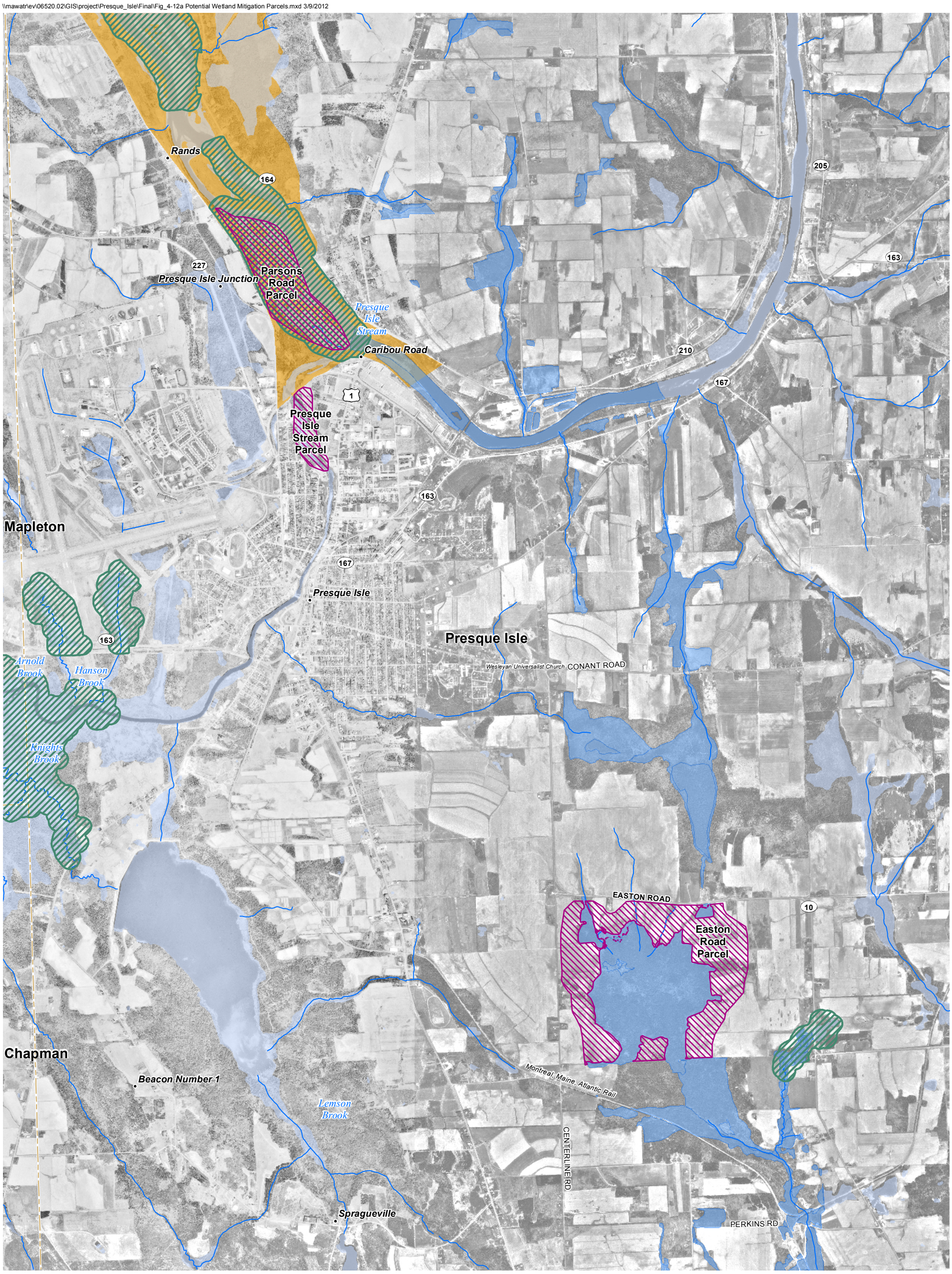


Aroostook County Transportation Study

Figure 4-11i

Detailed View of Potential Wetlands Superimposed Over FEIS Alignment Options

\\mawatr\ev\06520.02\GIS\project\Presque_Isle\Final\Fig_4-12a Potential Wetland Mitigation Parcels.mxd 3/9/2012



Legend

- Localities
- Potential Wetland Mitigation Parcels
- Inland Wading Bird and Waterfowl Habitat
- Town Boundaries
- Aerial Photo Delineated Wetlands
- NWI Wetland
- Maine Wildlife Action Plan

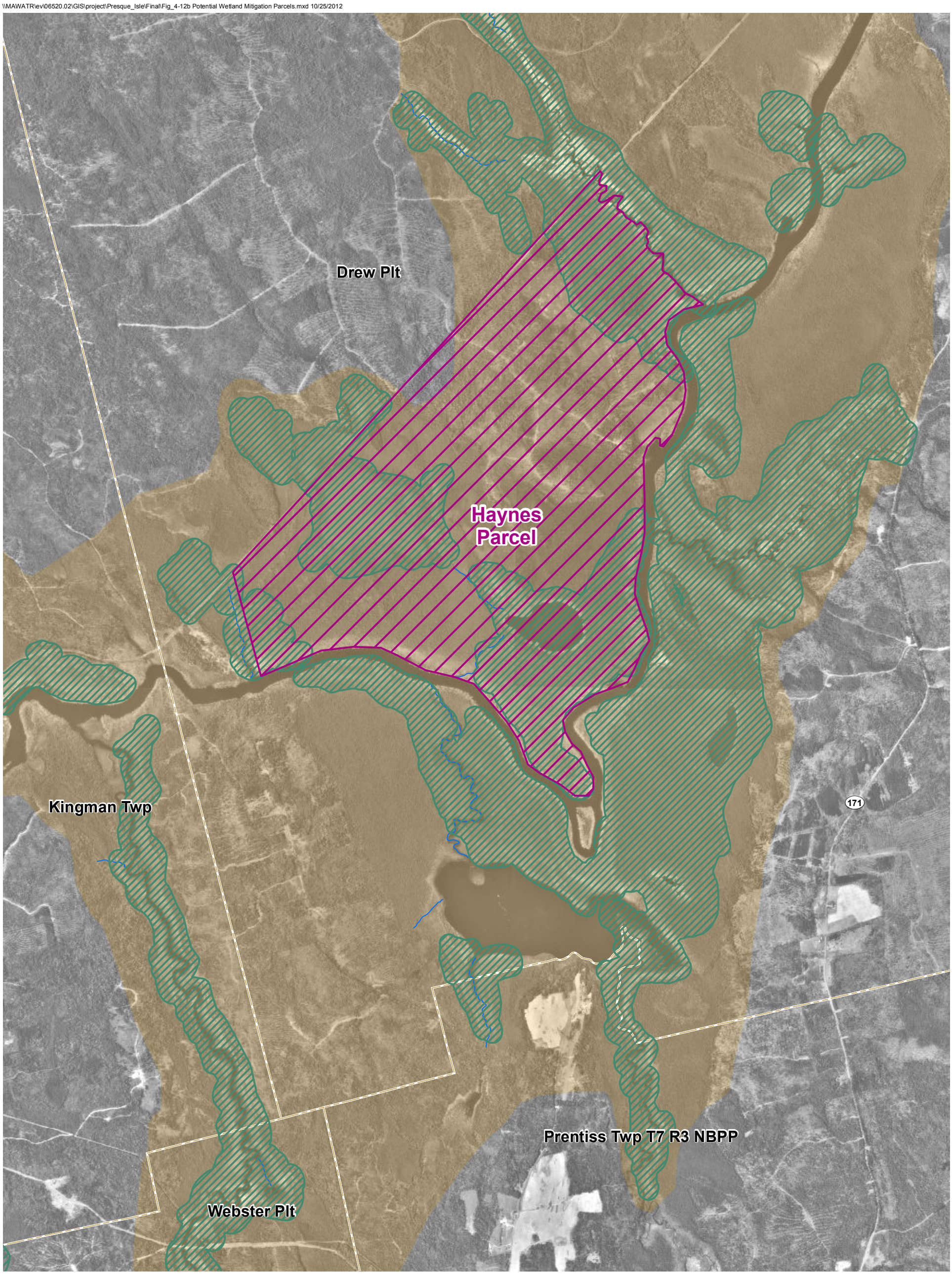
Aroostook County Transportation Study

Figure 4-12a

Potential Wetland Mitigation Parcels, Presque Isle

0 1,500 3,000 Feet

\\MAWATR\ev\06520.02\GIS\project\Presque_Isle\Final\Fig_4-12b Potential Wetland Mitigation Parcels.mxd 10/25/2012



Legend

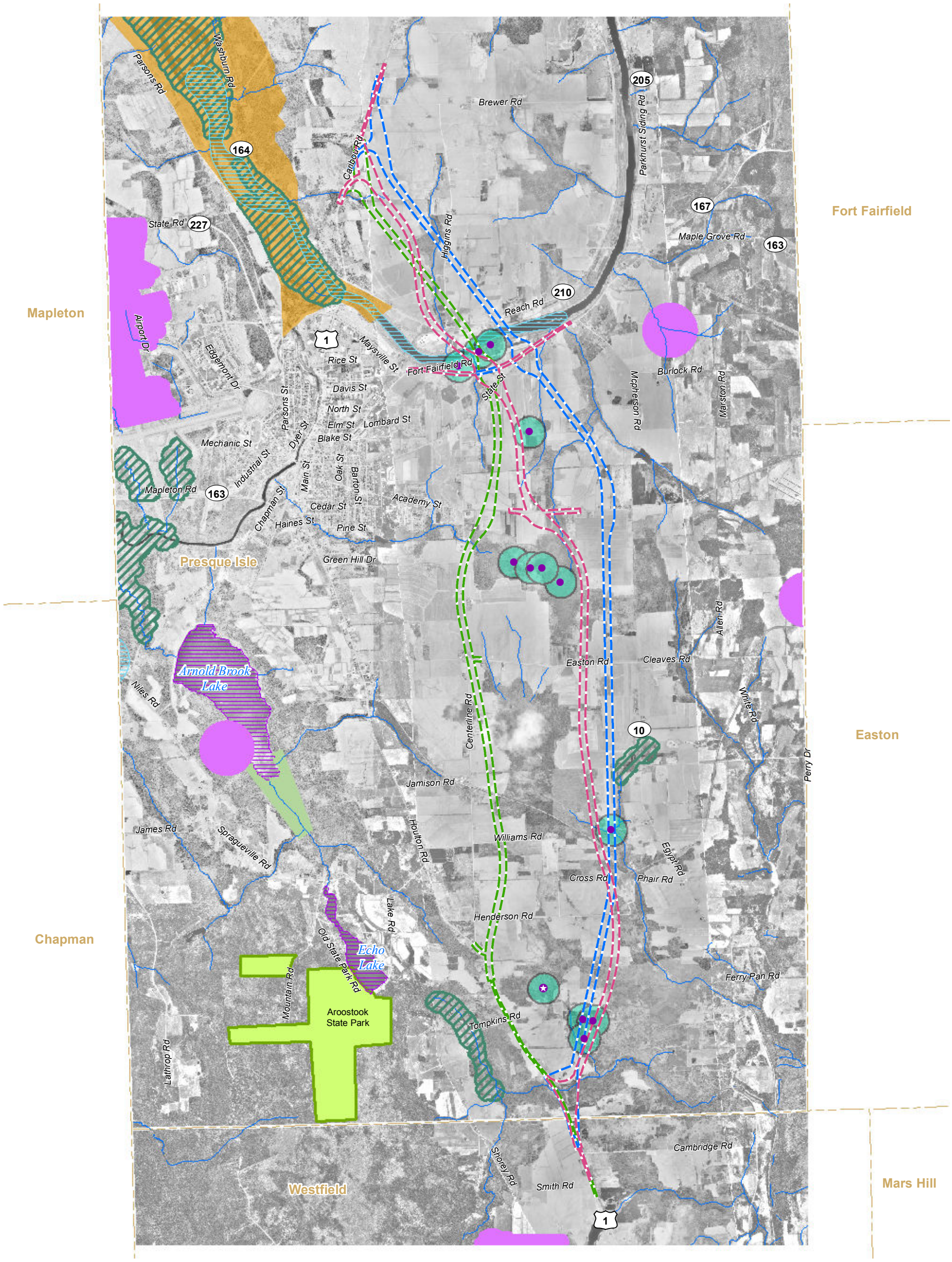
- Potential Wetland Mitigation Parcels
- Inland Wading Bird and Waterfowl Habitat
- Town Boundaries
- Maine Wildlife Action Plan

Aroostook County Transportation Study

Figure 4-12b

Potential Wetland Mitigation Parcel, Drew Plantation

0 0.25 0.5 Miles



Legend

- Alignment Option 4B
- Alignment Option 6
- Alignment Option 7
- Town Boundaries
- Vernal Pool
- Significant Vernal Pool*
- Vernal Pool - USACE 750 foot Critical Terrestrial Habitat
- Species of Special Concern
- State-Listed Wildlife Habitat
- Inland Wading Bird and Waterfowl Habitat*
- Deer Wintering Areas*
- Brook Trout
- ME-GAP Conservation Area
- Maine Wildlife Action Plan

Evaluated Wildlife Data not within Segment 7 Study Area:

Rare or Exemplary Plant Communities

*Significant Wildlife Habitat

Stocked Waterbodies
Splake
Land Locked Salmon
Lake Trout

0 2,250 4,500 Feet

Source: Maine Department of Inland Fisheries and Wildlife 2010 (Vernal Pools 2007)

Aroostook County Transportation Study

Figure 4-13

Fisheries, Wildlife, and Rare Species Superimposed Over FEIS Alignment Options

Aroostook County Transportation Study