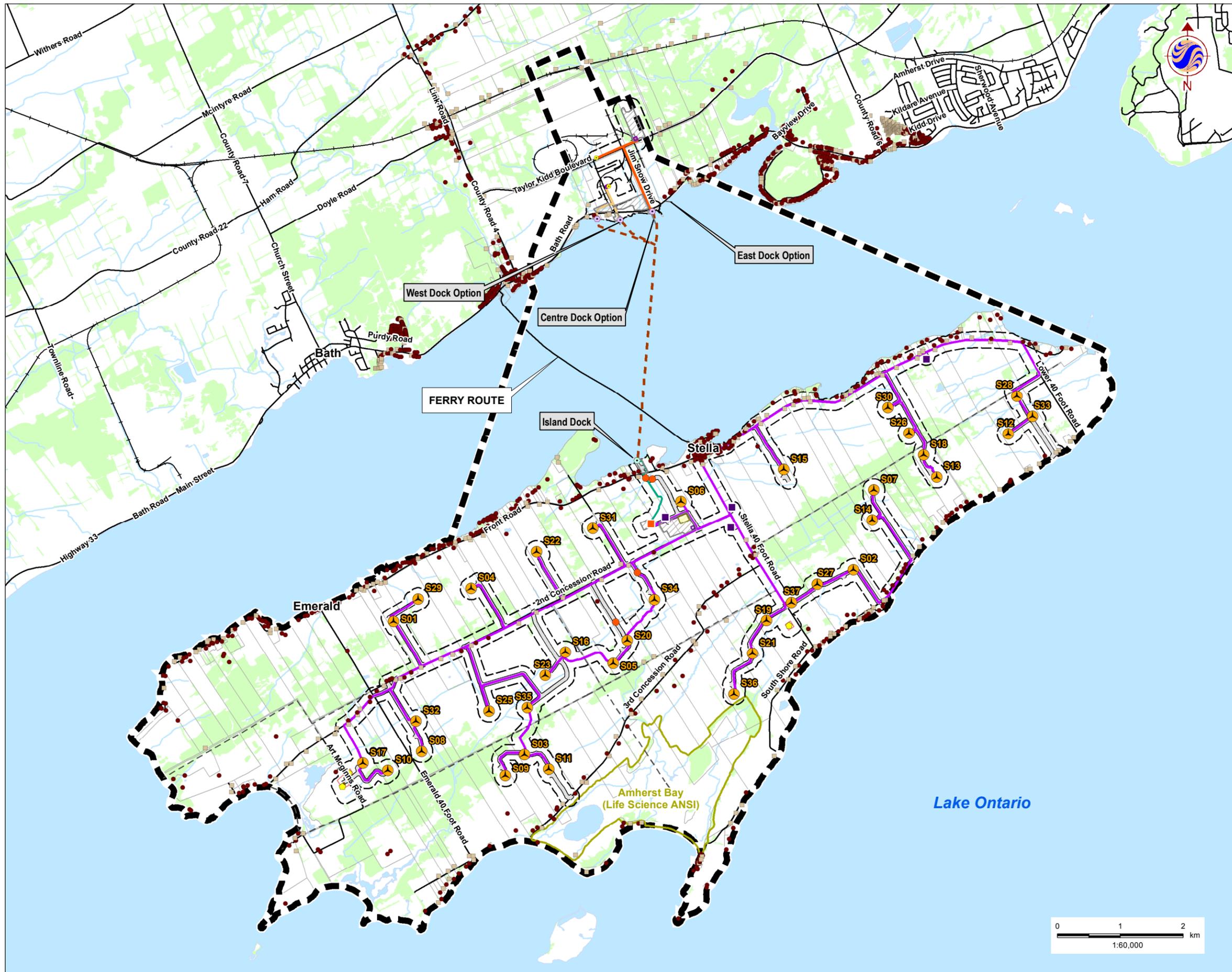


# **Appendix A**

## **Figures**



**Legend**

- Project Study Area
- 120m Zone of Investigation
- Project Components**
- Turbine
- Met Tower (Potential Location)
- Substation (Potential Location)
- Access Road
- Collector Lines
- Submarine Cable Path
- Operation and Maintenance Building (Potential Location)
- Potential Culvert Location
- Point of Common Coupling
- Mainland Cable Vault (Potential Location)
- Island Cable Vault
- Constructible Area
- Mainland Dock (Potential Location)
- Island Dock
- Batch Plant (Potential Location)
- Site Office (Potential Location)
- Storage Shed
- Transmission Lines**
- Mainland Option 1
- Mainland Option 2
- Island Transmission Line
- Land Use**
- Central Staging Area
- Switching Station (Potential Location)
- Noise Receptors**
- Existing
- Vacant
- Existing Features**
- Road
- Unopened Road Allowance
- Railway
- Watercourse
- Waterbody
- Wooded Area
- ANSI Boundary
- Property Boundary

**Notes**

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2012.



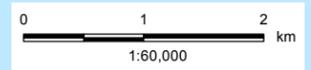
**Stantec**

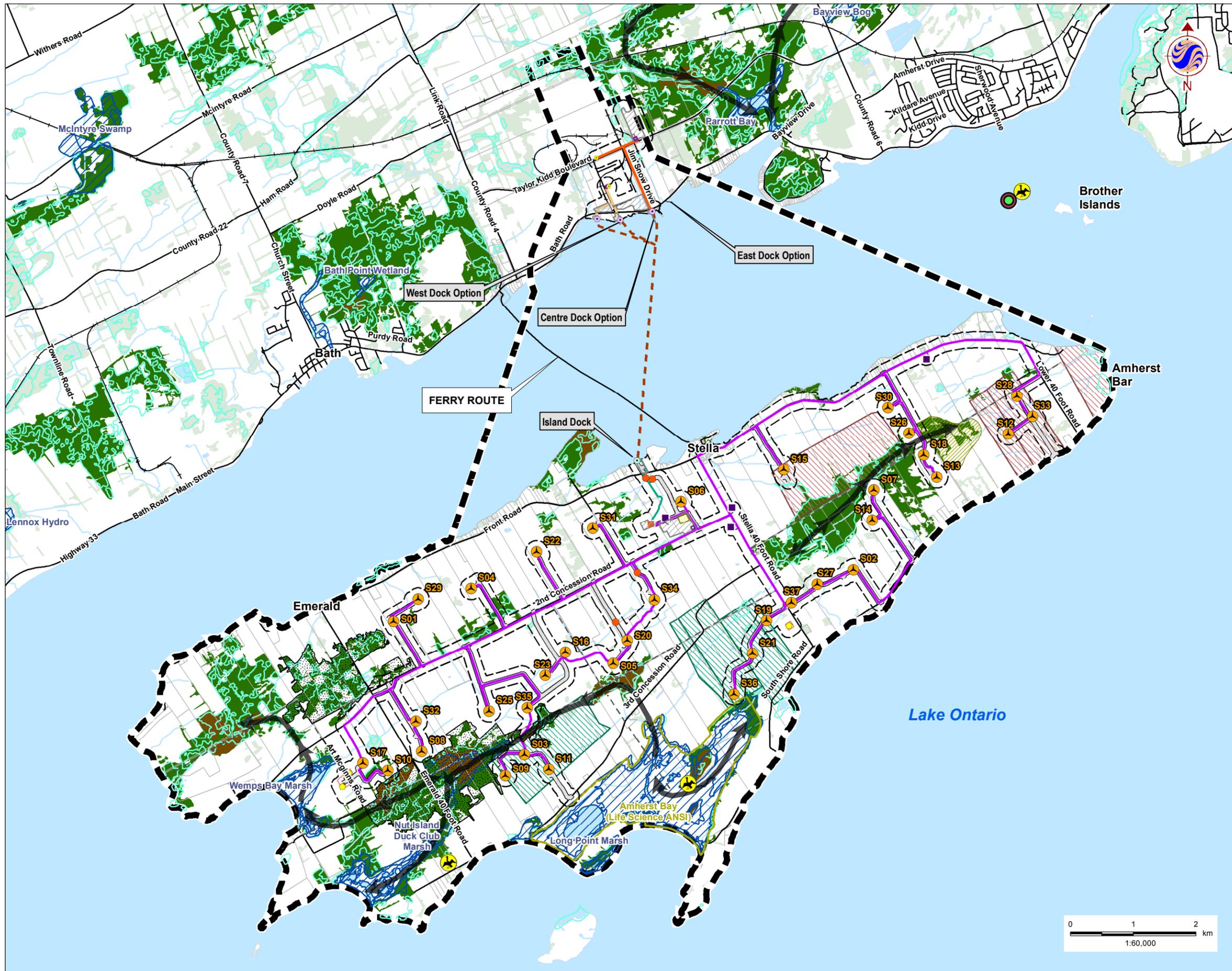
January 2013  
160960595

Client/Project  
**WINDLECTRIC INC.  
AMHERST ISLAND WIND ENERGY PROJECT**

Figure No.  
**1A**

Title  
**Project Location & Study Area**





### Legend

- Project Study Area
- 120m Zone of Investigation
- Project Components**
  - Turbine
  - Met Tower (Potential Location)
  - Substation (Potential Location)
  - Access Road
  - Collector Lines
  - Submarine Cable Path
  - Operation and Maintenance Building (Potential Location)
  - Potential Culvert Location
  - Point of Common Coupling
  - Mainland Cable Vault (Potential Location)
  - Island Cable Vault
  - Constructible Area
  - Mainland Dock (Potential Location)
  - Island Dock
  - Batch Plant (Potential Location)
  - Site Office (Potential Location)
  - Storage Shed
- Transmission Lines**
  - Mainland Option 1
  - Mainland Option 2
  - Island Transmission Line
- Land Use**
  - Central Staging Area
  - Switching Station (Potential Location)
- Existing Features**
  - Road
  - Unopened Road Allowance
  - Railway
  - Watercourse
  - Waterbody
  - Provincially Significant Wetland
  - Unevaluated Wetland
  - Woodlot
  - Significant Woodlot
  - ANSI Boundary
  - Owl Woods
  - Old Growth Woodlot
  - Property Boundary
  - Common Tern Nesting Site/Colony
  - Herring Gull Nesting Site/Colony
  - Wildlife Habitat Linkage
  - Colonial Waterbirds Site
  - Bald Eagle Nesting, Foraging, and Perching Habitat
- Short-eared Owl Breeding Territory**
  - 2009
  - 2010

**Notes**

- Coordinate System: UTM NAD 83 - Zone 18 (N).
- Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2012.



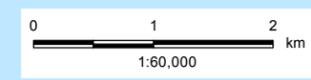
**Stantec**

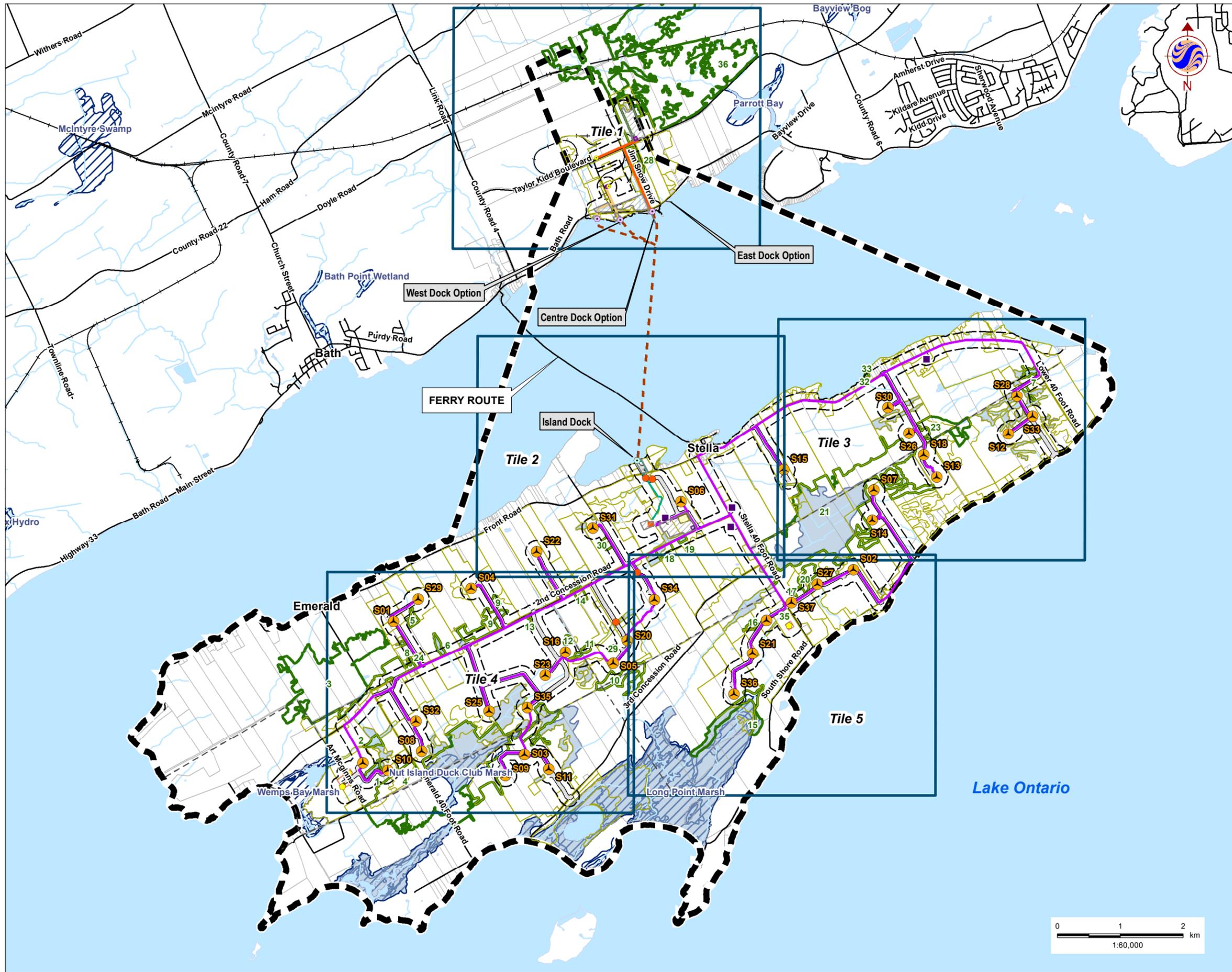
January 2013  
160960595

Client/Project  
**WINDLECTRIC INC.  
AMHERST ISLAND WIND ENERGY PROJECT**

Figure No.  
**1B**

Title  
**Natural Features - Records Review**





**Legend**

- Project Study Area
- 120m Zone of Investigation
- Project Components**
- Turbine
- Met Tower (Potential Location)
- Substation (Potential Location)
- Access Road
- Collector Lines
- Submarine Cable Path
- Operation and Maintenance Building (Potential Location)
- Potential Culvert Location
- Point of Common Coupling
- Mainland Cable Vault (Potential Location)
- Island Cable Vault
- Constructible Area
- Mainland Dock (Potential Location)
- Island Dock
- Batch Plant (Potential Location)
- Site Office (Potential Location)
- Storage Shed
- Transmission Lines**
- Mainland Option 1
- Mainland Option 2
- Island Transmission Line
- Land Use**
- Central Staging Area
- Switching Station (Potential Location)
- Existing Features**
- Road
- Unopened Road Allowance
- Railway
- Watercourse
- Waterbody
- Property Boundary
- Provincially Significant Wetland (MNR)
- Woodland Delineation (Stantec)
- Wetland Delineation (Stantec)
- ELC Boundary

**Notes**

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2012.



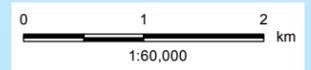
**Stantec**

January 2013  
160960595

Client/Project  
**WINDLECTRIC INC.  
AMHERST ISLAND WIND ENERGY PROJECT**

Figure No.  
**2.0**

Title  
**ELC Vegetation Communities &  
Woodland/Wetland Natural  
Features - Overview**





### Legend

- Study Area
- 120m Zone of Investigation
- Project Components**
- Turbine
- Met Tower (Potential location)
- Access Road
- Collector Lines
- Submarine Cable Path
- Laydown Area and Crane Path
- Submarine Cable Path
- Operation and Maintenance Building (Potential Location)
- Storage Shed
- Turbine Blade Tips
- Substation (Potential Location)
- Potential Culvert Location
- Point of Common Coupling
- Mainland Cable Vault (Potential Location)
- Island Cable Vault
- Constructible Area
- Mainland Dock (Potential Location)
- Island Dock
- Batch Plant (Potential Location)
- Site Office (Potential Location)
- Transmission Lines**
- Mainland Option 1
- Mainland Option 2
- Island Transmission Line
- Land Use**
- Central Staging Area
- Switching Station (Potential Location)
- Existing Features**
- Road
- Unopened Road Allowance
- Railway
- Watercourse
- Property Line
- Provincially Significant Wetland (MNR)
- Woodland Delineation (Stantec)
- Wetland Delineation (Stantec)
- ELC Boundary

### Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2012. Project layout S19 - revision 3.
3. Imagery Source: First Base Solutions ©, 2012. Imagery Date: 2008



**Stantec**

January 2013  
160960595

Client/Project

WINDLECTRIC INC.  
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.  
2.1

Title

**ELC Vegetation Communities &  
Woodland/Wetland Natural  
Features**



### Legend

- Study Area
- 120m Zone of Investigation
- Project Components**
- Turbine
- Met Tower (Potential location)
- Access Road
- Collector Lines
- Submarine Cable Path
- Laydown Area and Crane Path
- Submarine Cable Path
- Operation and Maintenance Building (Potential Location)
- Storage Shed
- Turbine Blade Tips
- Substation (Potential Location)
- Potential Culvert Location
- Point of Common Coupling
- Mainland Cable Vault (Potential Location)
- Island Cable Vault
- Constructible Area
- Mainland Dock (Potential Location)
- Island Dock
- Batch Plant (Potential Location)
- Site Office (Potential Location)
- Transmission Lines**
- Mainland Option 1
- Mainland Option 2
- Island Transmission Line
- Land Use**
- Central Staging Area
- Switching Station (Potential Location)
- Existing Features**
- Road
- Unopened Road Allowance
- Railway
- Watercourse
- Property Line
- Provincially Significant Wetland (MNR)
- Woodland Delineation (Stantec)
- Wetland Delineation (Stantec)
- ELC Boundary

### Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2012. Project layout S19 - revision 3.
3. Imagery Source: First Base Solutions ©, 2012. Imagery Date: 2008



**Stantec**

January 2013  
160960595

Client/Project

WINDLECTRIC INC.  
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.  
2.2

Title

**ELC Vegetation Communities &  
Woodland/Wetland Natural  
Features**



### Legend

- Study Area
- 120m Zone of Investigation
- Project Components**
- Turbine
- Met Tower (Potential location)
- Access Road
- Collector Lines
- Submarine Cable Path
- Laydown Area and Crane Path
- Submarine Cable Path
- Operation and Maintenance Building (Potential Location)
- Storage Shed
- Turbine Blade Tips
- Substation (Potential Location)
- Potential Culvert Location
- Point of Common Coupling
- Mainland Cable Vault (Potential Location)
- Island Cable Vault
- Constructible Area
- Mainland Dock (Potential Location)
- Island Dock
- Batch Plant (Potential Location)
- Site Office (Potential Location)
- Transmission Lines**
- Mainland Option 1
- Mainland Option 2
- Island Transmission Line
- Land Use**
- Central Staging Area
- Switching Station (Potential Location)
- Existing Features**
- Road
- Unopened Road Allowance
- Railway
- Watercourse
- Property Line
- Provincially Significant Wetland (MNR)
- Woodland Delineation (Stantec)
- Wetland Delineation (Stantec)
- ELC Boundary

### Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2012. Project layout S19 - revision 3.
3. Imagery Source: First Base Solutions ©, 2012. Imagery Date: 2008



**Stantec**

January 2013  
160960595

Client/Project

WINDLECTRIC INC.  
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.  
2.3

Title

**ELC Vegetation Communities &  
Woodland/Wetland Natural  
Features**



**Legend**

- Study Area
- 120m Zone of Investigation
- Project Components**
- Turbine
- Met Tower (Potential location)
- Access Road
- Collector Lines
- Submarine Cable Path
- Laydown Area and Crane Path
- Submarine Cable Path
- Operation and Maintenance Building (Potential Location)
- Storage Shed
- Turbine Blade Tips
- Substation (Potential Location)
- Potential Culvert Location
- Point of Common Coupling
- Mainland Cable Vault (Potential Location)
- Island Cable Vault
- Constructible Area
- Mainland Dock (Potential Location)
- Island Dock
- Batch Plant (Potential Location)
- Site Office (Potential Location)
- Transmission Lines**
- Mainland Option 1
- Mainland Option 2
- Island Transmission Line
- Land Use**
- Central Staging Area
- Switching Station (Potential Location)
- Existing Features**
- Road
- Unopened Road Allowance
- Railway
- Watercourse
- Property Line
- Provincially Significant Wetland (MNR)
- Woodland Delineation (Stantec)
- Wetland Delineation (Stantec)
- ELC Boundary

**Notes**

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2012. Project layout S19 - revision 3.
3. Imagery Source: First Base Solutions ©, 2012. Imagery Date: 2008



**Stantec**

January 2013  
160960595

Client/Project  
WINDLECTRIC INC.  
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.  
2.4

Title  
**ELC Vegetation Communities & Woodland/Wetland Natural Features**



### Legend

- Study Area
- 120m Zone of Investigation
- Project Components**
  - Turbine
  - Met Tower (Potential location)
  - Access Road
  - Collector Lines
  - Submarine Cable Path
  - Laydown Area and Crane Path
  - Submarine Cable Path
  - Operation and Maintenance Building (Potential Location)
  - Storage Shed
  - Turbine Blade Tips
  - Substation (Potential Location)
  - Potential Culvert Location
  - Point of Common Coupling
  - Mainland Cable Vault (Potential Location)
  - Island Cable Vault
  - Constructible Area
  - Mainland Dock (Potential Location)
  - Island Dock
  - Batch Plant (Potential Location)
  - Site Office (Potential Location)
- Transmission Lines**
  - Mainland Option 1
  - Mainland Option 2
  - Island Transmission Line
- Land Use**
  - Central Staging Area
  - Switching Station (Potential Location)
- Existing Features**
  - Road
  - Unopened Road Allowance
  - Railway
  - Watercourse
  - Property Line
  - Provincially Significant Wetland (MNR)
  - Woodland Delineation (Stantec)
  - Wetland Delineation (Stantec)
  - ELC Boundary

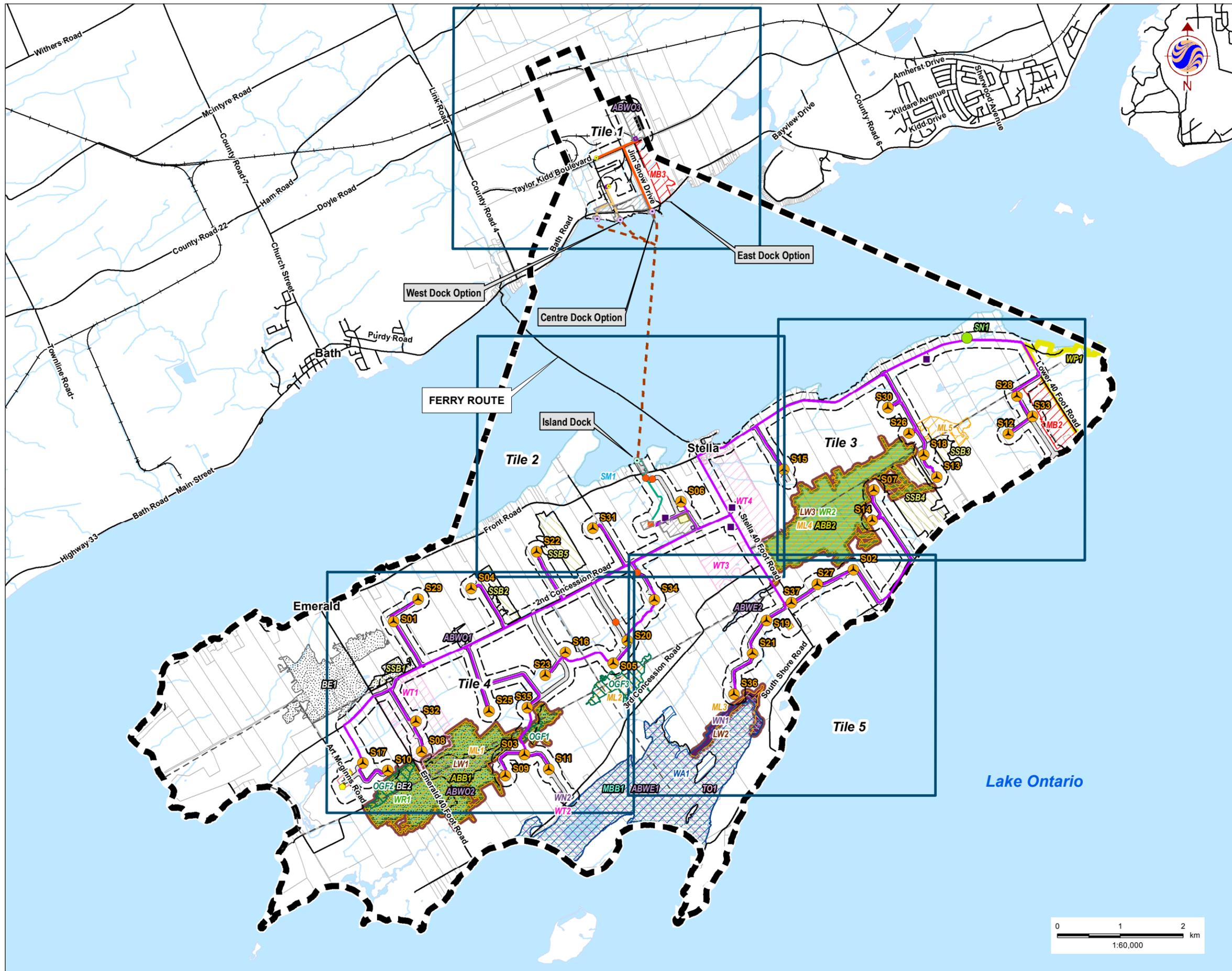
- ### Notes
- Coordinate System: UTM NAD 83 - Zone 18 (N).
  - Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2012. Project layout S19 - revision 3.
  - Imagery Source: First Base Solutions ©, 2012. Imagery Date: 2008

January 2013  
160960595

Client/Project  
WINDLECTRIC INC.  
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.  
2.5

Title  
**ELC Vegetation Communities & Woodland/Wetland Natural Features**



### Legend

- Project Study Area
- 120m Zone of Investigation
- Project Components**
- Turbine
- Met Tower (Potential Location)
- Substation (Potential Location)
- Access Road
- Collector Lines
- Submarine Cable Path
- Operation and Maintenance Building (Potential Location)
- Potential Culvert Location
- Point of Common Coupling
- Mainland Cable Vault (Potential Location)
- Island Cable Vault
- Constructible Area
- Mainland Dock (Potential Location)
- Island Dock
- Batch Plant (Potential Location)
- Site Office (Potential Location)
- Storage Shed
- Transmission Lines**
- Mainland Option 1
- Mainland Option 2
- Island Transmission Line
- Land Use**
- Central Staging Area
- Switching Station (Potential Location)
- Existing Features**
- Road
- Unopened Road Allowance
- Railway
- Watercourse
- Waterbody
- Property Boundary
- Candidate Significant Wildlife Habitat Features**
- Snake Hibernacula (SN)
- Louisiana Waterthrush Habitat (LW)
- Waterfowl Nesting Area (WN)
- Woodland Raptor Nesting Area (WR)
- Shorebird Migratory Stopover (SM)
- Wilson's Phalarope (WP)
- Bald Eagle Nesting, Foraging, and Perching Habitat (BE)
- Amphibian Breeding (ABWO & ABWE)
- Area-Sensitive Breeding Bird (ABB)
- Colonially-Nesting Birds - Trees/Shrubs (CNB)
- Marsh Breeding Bird (MBB)
- Shrub/Early Successional Bird Breeding (SSB)
- Turtle Overwintering (TO)
- Landbird Migratory Stopover Area (ML)
- Migratory Butterfly Stopover Area (MB)
- Waterfowl Stopover & Staging - Aquatic (WA)
- Waterfowl Stopover & Staging - Terrestrial (WT)
- Old Growth Forest (OGF)

### Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2012.



**Stantec**

January 2013  
160960595

Client/Project

WINDLECTRIC INC.  
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.  
3.0

Title

**Candidate Significant Natural  
Features & Wildlife Habitat -  
Overview**



**Legend**

- Study Area
- 120m Zone of Investigation
- Project Components**
- Turbine
- Met Tower (Potential Location)
- Access Road
- Collector Lines
- Submarine Cable Path
- Laydown Area and Crane Path
- Submarine Cable Path
- Operation and Maintenance Building (Potential Location)
- Storage Shed
- Turbine Blade Tips
- Substation (Potential Location)
- Potential Culvert Location
- Point of Common Coupling
- Mainland Cable Vault (Potential Location)
- Island Cable Vault
- Constructible Area
- Mainland Dock (Potential Location)
- Island Dock
- Batch Plant (Potential Location)
- Site Office (Potential Location)
- Transmission Lines**
- Mainland Option 1
- Mainland Option 2
- Island Transmission Line
- Land Use**
- Central Staging Area
- Switching Station (Potential Location)
- Existing Features**
- Road
- Unopened Road Allowance
- Railway
- Watercourse
- Property Line
- Candidate Significant Wildlife Habitat Features**
- Snake Hibernacula (SN)
- Amphibian Breeding (ABWO & ABWE)
- Area-Sensitive Breeding Bird (ABB)
- Marsh Breeding Bird (MBB)
- Shrub/Early Successional Bird Breeding (SSB)
- Turtle Overwintering (TO)
- Louisiana Waterthrush Habitat (LW)
- Waterfowl Nesting Area (WN)
- Woodland Raptor Nesting Area (WR)
- Shorebird Migratory Stopover (SM)
- Bald Eagle Nesting, Foraging, and Perching Habitat (BE)
- Landbird Migratory Stopover Area (ML)
- Migratory Butterfly Stopover Area (MB)
- Waterfowl Stopover & Staging - Aquatic (WA)
- Waterfowl Stopover & Staging - Terrestrial (WT)
- Old Growth Forest (OGF)
- Wilson's Phalarope (WP)

**Notes**

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
  2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2012. Project layout S19 - revision 3.
  3. Imagery Source: First Base Solutions ©, 2012. Imagery Date: 2008.
- \* Distances shown between project components and habitats are provided in detail in Table 3.9 in the main report.



**Stantec**

January 2013  
160960595

Client/Project

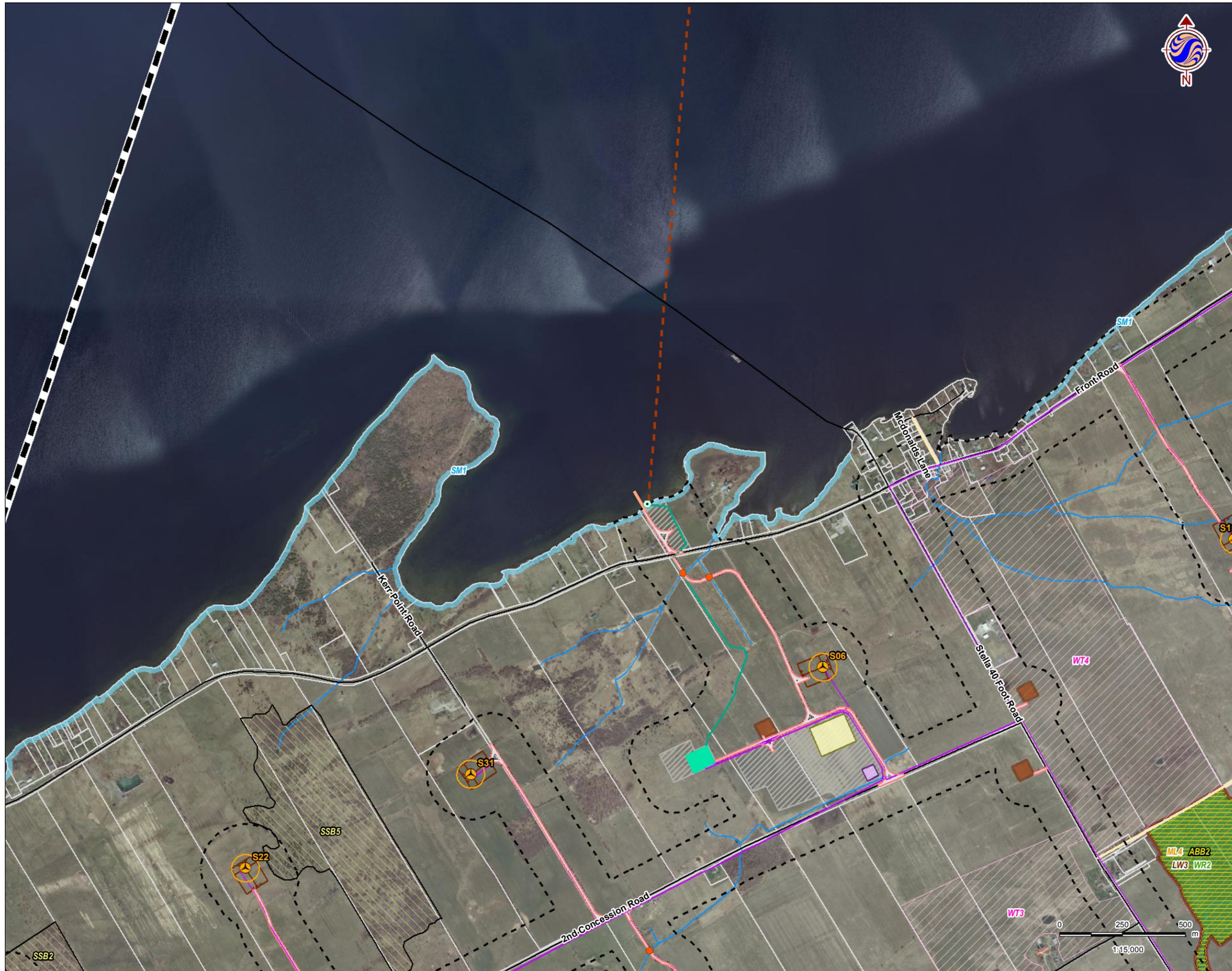
WINDLECTRIC INC.  
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.

3.1

Title

**Candidate Significant Natural Features & Wildlife Habitat**



**Legend**

- Study Area
- 120m Zone of Investigation
- Project Components**
- Turbine
- Met Tower (Potential Location)
- Access Road
- Collector Lines
- Submarine Cable Path
- Laydown Area and Crane Path
- Submarine Cable Path
- Operation and Maintenance Building (Potential Location)
- Storage Shed
- Turbine Blade Tips
- Substation (Potential Location)
- Potential Culvert Location
- Point of Common Coupling
- Mainland Cable Vault (Potential Location)
- Island Cable Vault
- Constructible Area
- Mainland Dock (Potential Location)
- Island Dock
- Batch Plant (Potential Location)
- Site Office (Potential Location)
- Transmission Lines**
- Mainland Option 1
- Mainland Option 2
- Island Transmission Line
- Land Use**
- Central Staging Area
- Switching Station (Potential Location)
- Existing Features**
- Road
- Unopened Road Allowance
- Railway
- Watercourse
- Property Line
- Candidate Significant Wildlife Habitat Features**
- Snake Hibernacula (SN)
- Amphibian Breeding (ABWO & ABWE)
- Area-Sensitive Breeding Bird (ABB)
- Marsh Breeding Bird (MBB)
- Shrub/Early Successional Bird Breeding (SSB)
- Turtle Overwintering (TO)
- Louisiana Waterthrush Habitat (LW)
- Waterfowl Nesting Area (WN)
- Woodland Raptor Nesting Area (WR)
- Shorebird Migratory Stopover (SM)
- Bald Eagle Nesting, Foraging, and Perching Habitat (BE)
- Landbird Migratory Stopover Area (ML)
- Migratory Butterfly Stopover Area (MB)
- Waterfowl Stopover & Staging - Aquatic (WA)
- Waterfowl Stopover & Staging - Terrestrial (WT)
- Old Growth Forest (OGF)
- Wilson's Phalarope (WP)

**Notes**

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
  2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2012. Project layout S19 - revision 3.
  3. Imagery Source: First Base Solutions ©, 2012. Imagery Date: 2008.
- \* Distances shown between project components and habitats are provided in detail in Table 3.9 in the main report.



**Stantec**

January 2013  
160960595

Client/Project  
**WINDLECTRIC INC.  
AMHERST ISLAND WIND ENERGY PROJECT**

Figure No.  
**3.2**

Title  
**Candidate Significant Natural Features & Wildlife Habitat**



**Legend**

- Study Area
- 120m Zone of Investigation
- Project Components**
- Turbine
- Met Tower (Potential Location)
- Access Road
- Collector Lines
- Submarine Cable Path
- Laydown Area and Crane Path
- Submarine Cable Path
- Operation and Maintenance Building (Potential Location)
- Storage Shed
- Turbine Blade Tips
- Substation (Potential Location)
- Potential Culvert Location
- Point of Common Coupling
- Mainland Cable Vault (Potential Location)
- Island Cable Vault
- Constructible Area
- Mainland Dock (Potential Location)
- Island Dock
- Batch Plant (Potential Location)
- Site Office (Potential Location)
- Transmission Lines**
- Mainland Option 1
- Mainland Option 2
- Island Transmission Line
- Land Use**
- Central Staging Area
- Switching Station (Potential Location)
- Existing Features**
- Road
- Unopened Road Allowance
- Railway
- Watercourse
- Property Line
- Candidate Significant Wildlife Habitat Features**
- Snake Hibernacula (SN)
- Amphibian Breeding (ABWO & ABWE)
- Area-Sensitive Breeding Bird (ABB)
- Marsh Breeding Bird (MBB)
- Shrub/Early Successional Bird Breeding (SSB)
- Turtle Overwintering (TO)
- Louisiana Waterthrush Habitat (LW)
- Waterfowl Nesting Area (WN)
- Woodland Raptor Nesting Area (WR)
- Shorebird Migratory Stopover (SM)
- Bald Eagle Nesting, Foraging, and Perching Habitat (BE)
- Landbird Migratory Stopover Area (ML)
- Migratory Butterfly Stopover Area (MB)
- Waterfowl Stopover & Staging - Aquatic (WA)
- Waterfowl Stopover & Staging - Terrestrial (WT)
- Old Growth Forest (OGF)
- Wilson's Phalarope (WP)

**Notes**

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
  2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2012. Project layout S19 - revision 3.
  3. Imagery Source: First Base Solutions ©, 2012. Imagery Date: 2008.
- \* Distances shown between project components and habitats are provided in detail in Table 3.9 in the main report.



**Stantec**

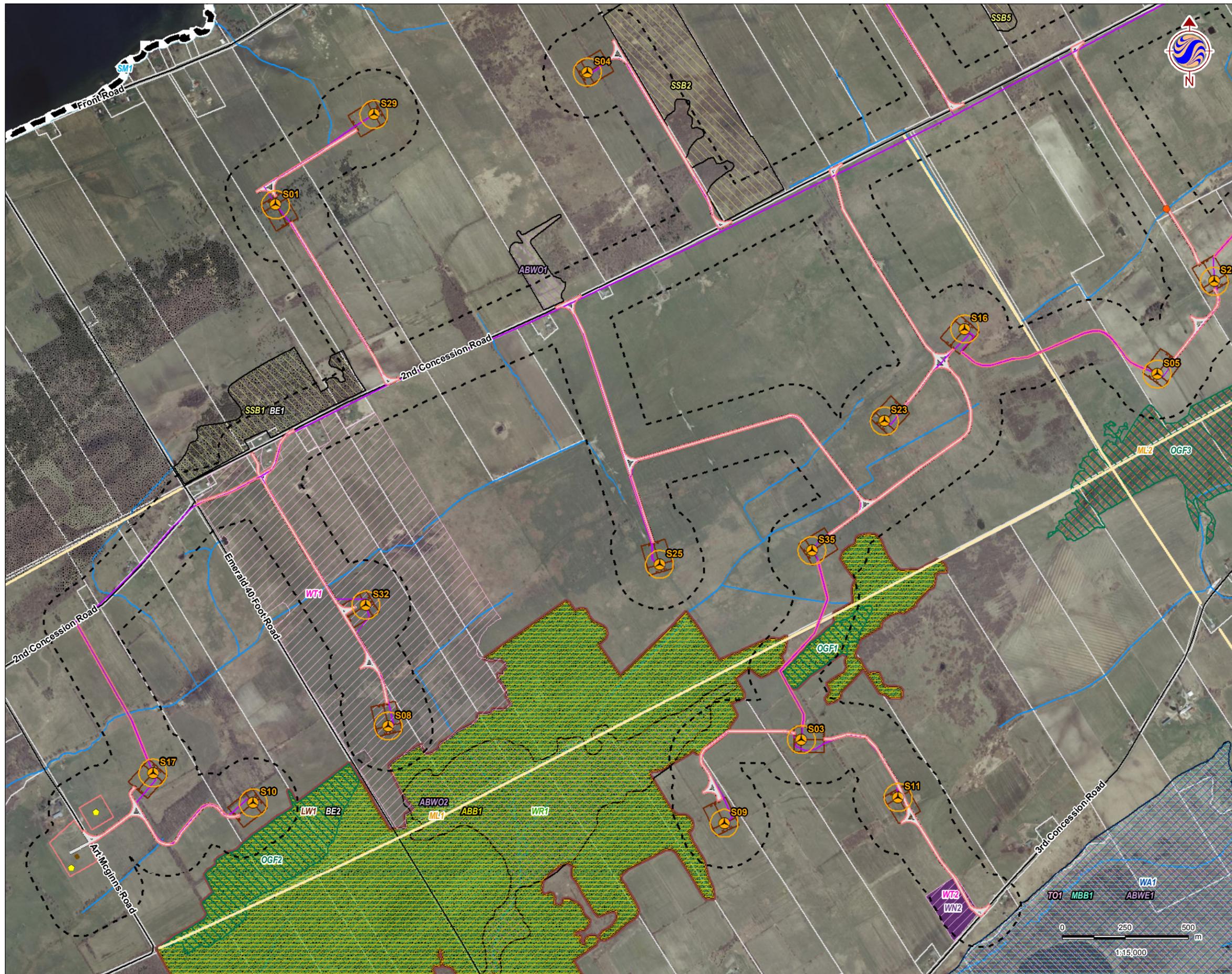
January 2013  
160960595

Client/Project  
WINDLECTRIC INC.  
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.  
3.3

Title  
**Candidate Significant Natural Features & Wildlife Habitat**





### Legend

- Study Area
- 120m Zone of Investigation
- Project Components**
- Turbine
- Met Tower (Potential Location)
- Access Road
- Collector Lines
- Submarine Cable Path
- Laydown Area and Crane Path
- Submarine Cable Path
- Operation and Maintenance Building (Potential Location)
- Storage Shed
- Turbine Blade Tips
- Substation (Potential Location)
- Potential Culvert Location
- Point of Common Coupling
- Mainland Cable Vault (Potential Location)
- Island Cable Vault
- Constructible Area
- Mainland Dock (Potential Location)
- Island Dock
- Batch Plant (Potential Location)
- Site Office (Potential Location)
- Transmission Lines**
- Mainland Option 1
- Mainland Option 2
- Island Transmission Line
- Land Use**
- Central Staging Area
- Switching Station (Potential Location)
- Existing Features**
- Road
- Unopened Road Allowance
- Railway
- Watercourse
- Property Line
- Candidate Significant Wildlife Habitat Features**
- Snake Hibernacula (SN)
- Amphibian Breeding (ABWO & ABWE)
- Area-Sensitive Breeding Bird (ABB)
- Marsh Breeding Bird (MBB)
- Shrub/Early Successional Bird Breeding (SSB)
- Turtle Overwintering (TO)
- Louisiana Waterthrush Habitat (LW)
- Waterfowl Nesting Area (WN)
- Woodland Raptor Nesting Area (WR)
- Shorebird Migratory Stopover (SM)
- Bald Eagle Nesting, Foraging, and Perching Habitat (BE)
- Landbird Migratory Stopover Area (ML)
- Migratory Butterfly Stopover Area (MB)
- Waterfowl Stopover & Staging - Aquatic (WA)
- Waterfowl Stopover & Staging - Terrestrial (WT)
- Old Growth Forest (OGF)
- Wilson's Phalarope (WP)

### Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2012. Project layout S19 - revision 3.
3. Imagery Source: First Base Solutions ©, 2012. Imagery Date: 2008.

\* Distances shown between project components and habitats are provided in detail in Table 3.9 in the main report.



**Stantec**

January 2013  
160960595

Client/Project

WINDLECTRIC INC.  
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.

3.4

Title

**Candidate Significant Natural Features & Wildlife Habitat**



**Legend**

- Study Area
- 120m Zone of Investigation
- Project Components**
- Turbine
- Met Tower (Potential Location)
- Access Road
- Collector Lines
- Submarine Cable Path
- Laydown Area and Crane Path
- Submarine Cable Path
- Operation and Maintenance Building (Potential Location)
- Storage Shed
- Turbine Blade Tips
- Substation (Potential Location)
- Potential Culvert Location
- Point of Common Coupling
- Mainland Cable Vault (Potential Location)
- Island Cable Vault
- Constructible Area
- Mainland Dock (Potential Location)
- Island Dock
- Batch Plant (Potential Location)
- Site Office (Potential Location)
- Transmission Lines**
- Mainland Option 1
- Mainland Option 2
- Island Transmission Line
- Land Use**
- Central Staging Area
- Switching Station (Potential Location)
- Existing Features**
- Road
- Unopened Road Allowance
- Railway
- Watercourse
- Property Line
- Candidate Significant Wildlife Habitat Features**
- Snake Hibernacula (SN)
- Amphibian Breeding (ABWO & ABWE)
- Area-Sensitive Breeding Bird (ABB)
- Marsh Breeding Bird (MBB)
- Shrub/Early Successional Bird Breeding (SSB)
- Turtle Overwintering (TO)
- Louisiana Waterthrush Habitat (LW)
- Waterfowl Nesting Area (WN)
- Woodland Raptor Nesting Area (WR)
- Shorebird Migratory Stopover (SM)
- Bald Eagle Nesting, Foraging, and Perching Habitat (BE)
- Landbird Migratory Stopover Area (ML)
- Migratory Butterfly Stopover Area (MB)
- Waterfowl Stopover & Staging - Aquatic (WA)
- Waterfowl Stopover & Staging - Terrestrial (WT)
- Old Growth Forest (OGF)
- Wilson's Phalarope (WP)

- Notes**
1. Coordinate System: UTM NAD 83 - Zone 18 (N).
  2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2012. Project layout S19 - revision 3.
  3. Imagery Source: First Base Solutions ©, 2012. Imagery Date: 2008.
- \* Distances shown between project components and habitats are provided in detail in Table 3.9 in the main report.



**Stantec**

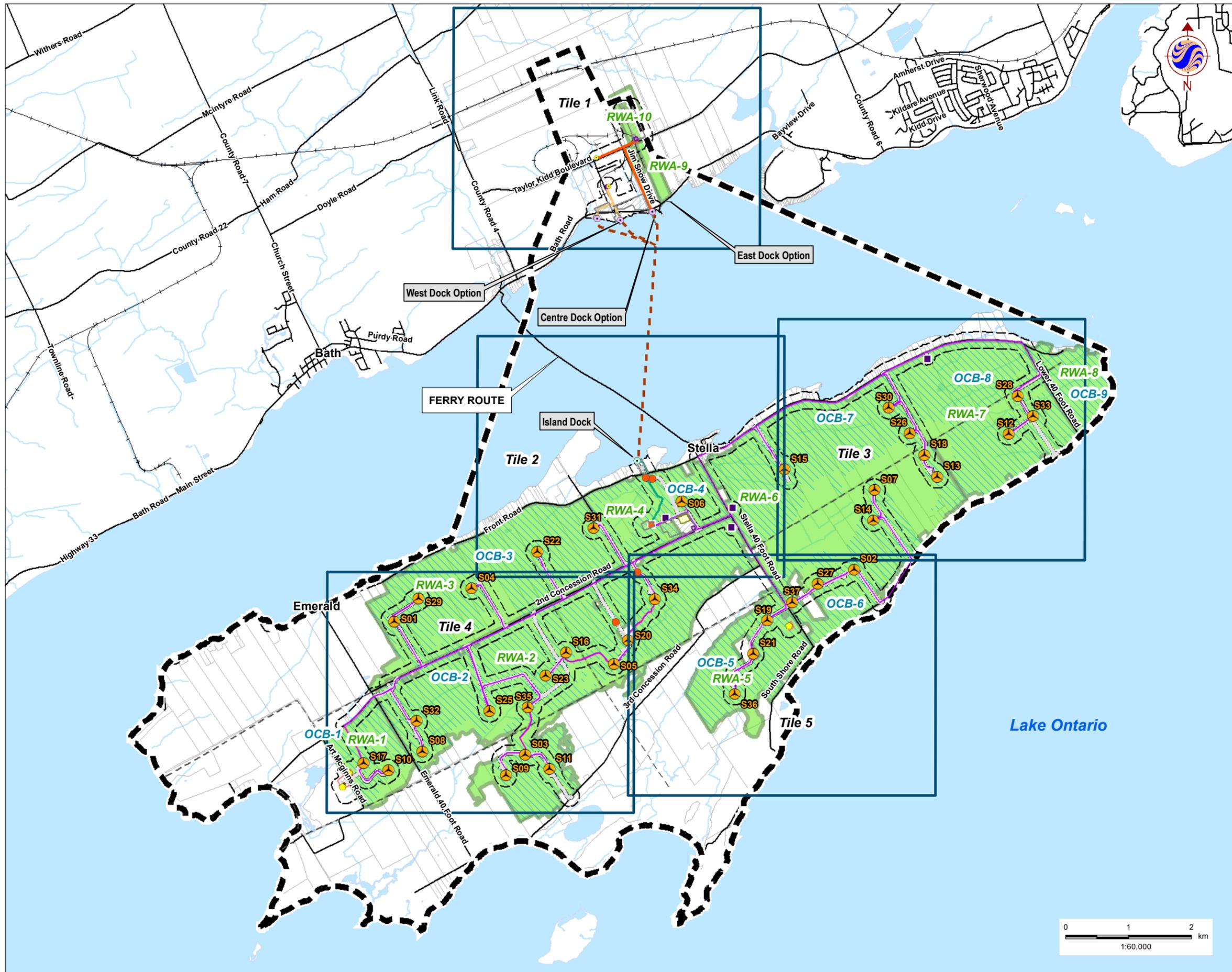
January 2013  
160960595

Client/Project  
**WINDLECTRIC INC.  
AMHERST ISLAND WIND ENERGY PROJECT**

Figure No.  
**3.5**

Title  
**Candidate Significant Natural Features & Wildlife Habitat**





**Legend**

- Project Study Area
- 120m Zone of Investigation
- Project Components**
- Turbine
- Met Tower (Potential Location)
- Substation (Potential Location)
- Access Road
- Collector Lines
- Submarine Cable Path
- Operation and Maintenance Building (Potential Location)
- Potential Culvert Location
- Point of Common Coupling
- Mainland Cable Vault (Potential Location)
- Island Cable Vault
- Constructible Area
- Mainland Dock (Potential Location)
- Island Dock
- Batch Plant (Potential Location)
- Site Office (Potential Location)
- Storage Shed
- Transmission Lines**
- Mainland Option 1
- Mainland Option 2
- Island Transmission Line
- Land Use**
- Central Staging Area
- Switching Station (Potential Location)
- Existing Features**
- Road
- Unopened Road Allowance
- Railway
- Watercourse
- Waterbody
- Property Boundary
- Open Country Breeding Bird Area (OCB)
- (OCB habitats are transparent with hatching)
- Raptor Wintering Area (RWA)

**Notes**

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2012.



**Stantec**

January 2013  
160960595

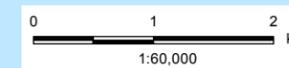
Client/Project

WINDLECTRIC INC.  
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.  
4.0

Title

**Candidate Open Country Breeding  
Bird & Raptor Wintering Areas -  
Overview**





**Legend**

- Study Area
- 120m Zone of Investigation
- Project Components**
- Turbine
- Met Tower (Potential Location)
- Access Road
- Collector Lines
- Submarine Cable Path
- Laydown Area and Crane Path
- Submarine Cable Path
- Operation and Maintenance Building (Potential Location)
- Storage Shed
- Turbine Blade Tips
- Substation (Potential Location)
- Potential Culvert Location
- Point of Common Coupling
- Mainland Cable Vault (Potential Location)
- Island Cable Vault
- Constructible Area
- Mainland Dock (Potential Location)
- Island Dock
- Batch Plant (Potential Location)
- Site Office (Potential Location)
- Transmission Lines**
- Mainland Option 1
- Mainland Option 2
- Island Transmission Line
- Land Use**
- Central Staging Area
- Switching Station (Potential Location)
- Existing Features**
- Road
- Unopened Road Allowance
- Railway
- Watercourse
- Property Line
- Open Country Breeding Bird Area (OCB)  
(OCB habitats are transparent with hatching)
- Raptor Wintering Area (RWA)

**Notes**

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
  2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2012. Project layout S19 - revision 3.
  3. Imagery Source: First Base Solutions ©, 2012. Imagery Date: 2008.
- \* Distances shown between project components and habitats are provided in detail in Table 3.9 in the main report.



**Stantec**

January 2013  
160960595

Client/Project  
WINDLECTRIC INC.  
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.  
4.1

Title  
**Candidate Open Country Breeding Bird & Raptor Wintering Areas**



**Legend**

- Study Area
- 120m Zone of Investigation
- Project Components**
- Turbine
- Met Tower (Potential Location)
- Access Road
- Collector Lines
- Submarine Cable Path
- Laydown Area and Crane Path
- Submarine Cable Path
- Operation and Maintenance Building (Potential Location)
- Storage Shed
- Turbine Blade Tips
- Substation (Potential Location)
- Potential Culvert Location
- Point of Common Coupling
- Mainland Cable Vault (Potential Location)
- Island Cable Vault
- Constructible Area
- Mainland Dock (Potential Location)
- Island Dock
- Batch Plant (Potential Location)
- Site Office (Potential Location)
- Transmission Lines**
- Mainland Option 1
- Mainland Option 2
- Island Transmission Line
- Land Use**
- Central Staging Area
- Switching Station (Potential Location)
- Existing Features**
- Road
- Unopened Road Allowance
- Railway
- Watercourse
- Property Line
- Open Country Breeding Bird Area (OCB)  
(OCB habitats are transparent with hatching)
- Raptor Wintering Area (RWA)

**Notes**

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2012. Project layout S19 - revision 3.
3. Imagery Source: First Base Solutions ©, 2012. Imagery Date: 2008.

\* Distances shown between project components and habitats are provided in detail in Table 3.9 in the main report.



**Stantec**

January 2013  
160960595

Client/Project  
WINDLECTRIC INC.  
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.  
4.2

Title  
**Candidate Open Country Breeding Bird & Raptor Wintering Areas**



**Legend**

- Study Area
- 120m Zone of Investigation
- Project Components**
- Turbine
- Met Tower (Potential Location)
- Access Road
- Collector Lines
- Submarine Cable Path
- Laydown Area and Crane Path
- Submarine Cable Path
- Operation and Maintenance Building (Potential Location)
- Storage Shed
- Turbine Blade Tips
- Substation (Potential Location)
- Potential Culvert Location
- Point of Common Coupling
- Mainland Cable Vault (Potential Location)
- Island Cable Vault
- Constructible Area
- Mainland Dock (Potential Location)
- Island Dock
- Batch Plant (Potential Location)
- Site Office (Potential Location)
- Transmission Lines**
- Mainland Option 1
- Mainland Option 2
- Island Transmission Line
- Land Use**
- Central Staging Area
- Switching Station (Potential Location)
- Existing Features**
- Road
- Unopened Road Allowance
- Railway
- Watercourse
- Property Line
- Open Country Breeding Bird Area (OCB)  
(OCB habitats are transparent with hatching)
- Raptor Wintering Area (RWA)

**Notes**

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
  2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2012. Project layout S19 - revision 3.
  3. Imagery Source: First Base Solutions ©, 2012. Imagery Date: 2008.
- \* Distances shown between project components and habitats are provided in detail in Table 3.9 in the main report.



**Stantec**

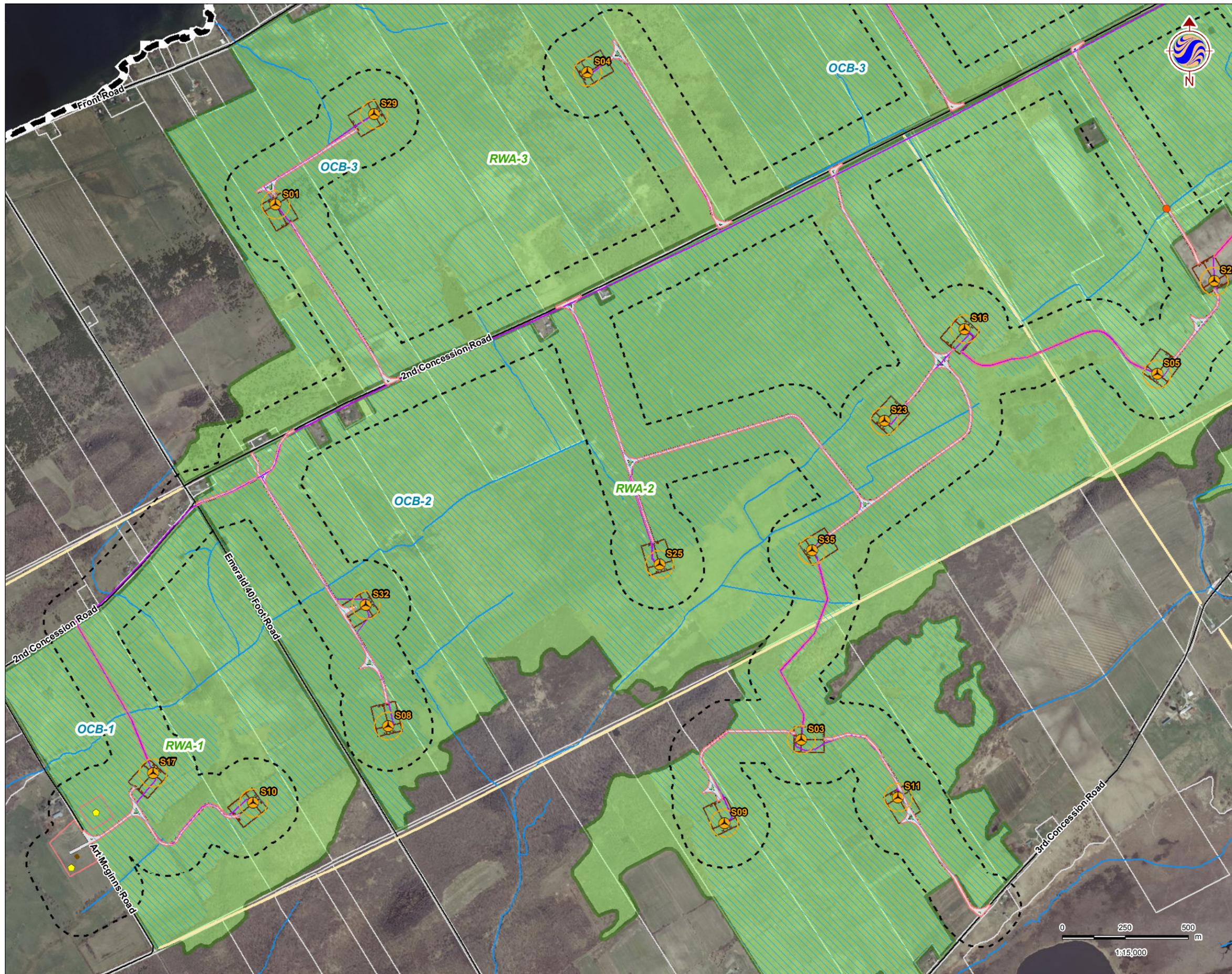
January 2013  
160960595

Client/Project  
WINDLECTRIC INC.  
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.  
4.3

Title  
**Candidate Open Country Breeding Bird & Raptor Wintering Areas**





**Legend**

- Study Area
- 120m Zone of Investigation
- Project Components**
- Turbine
- Met Tower (Potential Location)
- Access Road
- Collector Lines
- Submarine Cable Path
- Laydown Area and Crane Path
- Submarine Cable Path
- Operation and Maintenance Building (Potential Location)
- Storage Shed
- Turbine Blade Tips
- Substation (Potential Location)
- Potential Culvert Location
- Point of Common Coupling
- Mainland Cable Vault (Potential Location)
- Island Cable Vault
- Constructible Area
- Mainland Dock (Potential Location)
- Island Dock
- Batch Plant (Potential Location)
- Site Office (Potential Location)
- Transmission Lines**
- Mainland Option 1
- Mainland Option 2
- Island Transmission Line
- Land Use**
- Central Staging Area
- Switching Station (Potential Location)
- Existing Features**
- Road
- Unopened Road Allowance
- Railway
- Watercourse
- Property Line
- Open Country Breeding Bird Area (OCB)  
(OCB habitats are transparent with hatching)
- Raptor Wintering Area (RWA)

**Notes**

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
  2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2012. Project layout S19 - revision 3.
  3. Imagery Source: First Base Solutions ©, 2012. Imagery Date: 2008.
- \* Distances shown between project components and habitats are provided in detail in Table 3.9 in the main report.



**Stantec**

January 2013  
160960595

Client/Project  
WINDLECTRIC INC.  
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.  
4.4

Title  
**Candidate Open Country Breeding Bird & Raptor Wintering Areas**



**Legend**

- Study Area
- 120m Zone of Investigation
- Project Components**
- Turbine
- Met Tower (Potential Location)
- Access Road
- Collector Lines
- Submarine Cable Path
- Laydown Area and Crane Path
- Submarine Cable Path
- Operation and Maintenance Building (Potential Location)
- Storage Shed
- Turbine Blade Tips
- Substation (Potential Location)
- Potential Culvert Location
- Point of Common Coupling
- Mainland Cable Vault (Potential Location)
- Island Cable Vault
- Constructible Area
- Mainland Dock (Potential Location)
- Island Dock
- Batch Plant (Potential Location)
- Site Office (Potential Location)
- Transmission Lines**
- Mainland Option 1
- Mainland Option 2
- Island Transmission Line
- Land Use**
- Central Staging Area
- Switching Station (Potential Location)
- Existing Features**
- Road
- Unopened Road Allowance
- Railway
- Watercourse
- Property Line
- Open Country Breeding Bird Area (OCB)  
(OCB habitats are transparent with hatching)
- Raptor Wintering Area (RWA)

**Notes**

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
  2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2012. Project layout S19 - revision 3.
  3. Imagery Source: First Base Solutions ©, 2012. Imagery Date: 2008.
- \* Distances shown between project components and habitats are provided in detail in Table 3.9 in the main report.



**Stantec**

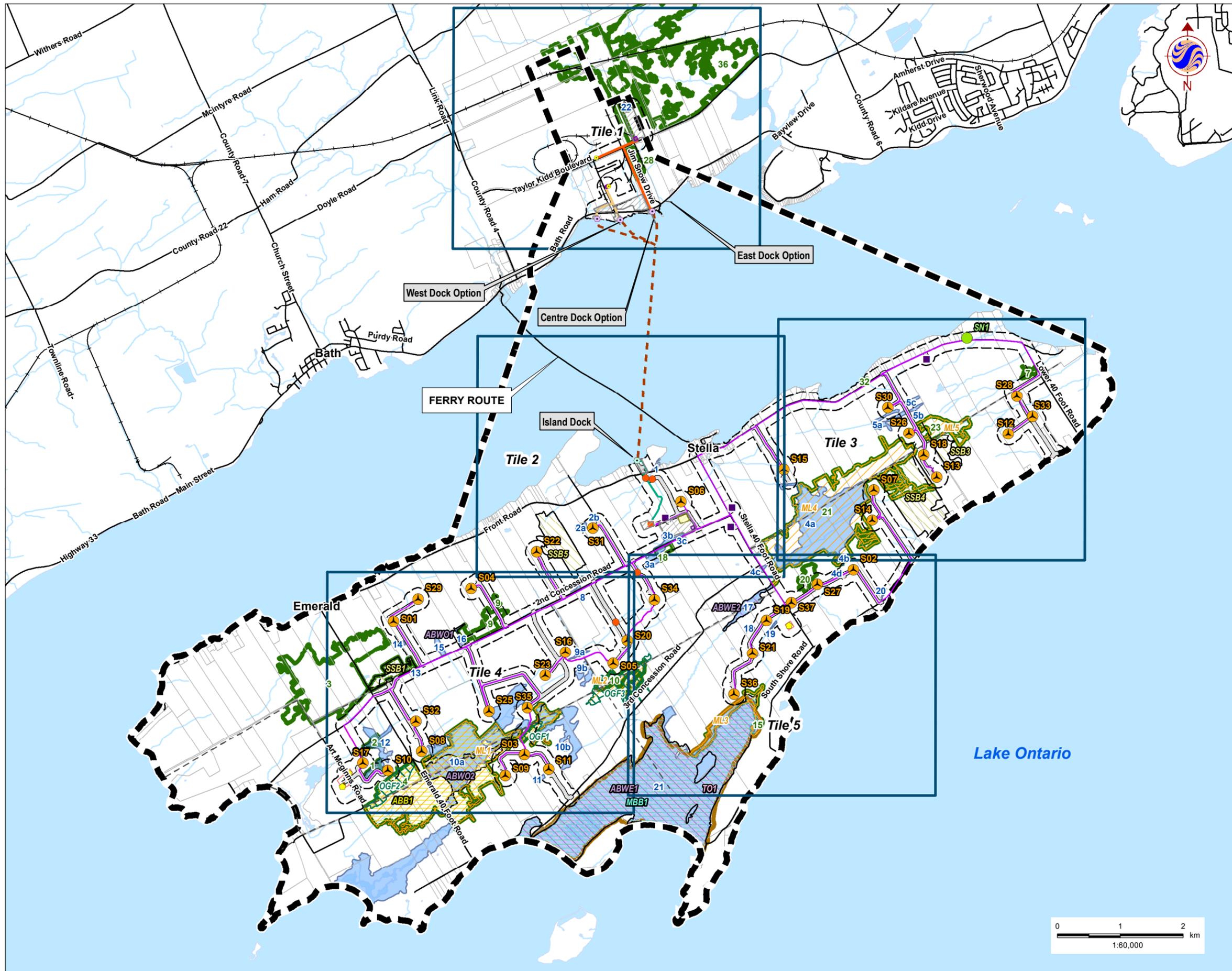
January 2013  
160960595

Client/Project  
WINDLECTRIC INC.  
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.  
4.5

Title  
**Candidate Open Country Breeding Bird & Raptor Wintering Areas**





**Legend**

- Project Study Area
- 120m Zone of Investigation
- Project Components**
- Turbine
- Met Tower (Potential Location)
- Substation (Potential Location)
- Access Road
- Collector Lines
- Submarine Cable Path
- Operation and Maintenance Building (Potential Location)
- Potential Culvert Location
- Point of Common Coupling
- Mainland Cable Vault (Potential Location)
- Island Cable Vault
- Constructible Area
- Mainland Dock (Potential Location)
- Island Dock
- Batch Plant (Potential Location)
- Site Office (Potential Location)
- Storage Shed
- Transmission Lines**
- Mainland Option 1
- Mainland Option 2
- Island Transmission Line
- Land Use**
- Central Staging Area
- Switching Station (Potential Location)
- Existing Features**
- Road
- Unopened Road Allowance
- Railway
- Watercourse
- Waterbody
- Amherst Bay Life Science ANSI
- Property Boundary
- Significant Wildlife Habitat Features**
- Snake Hibernacula (SN)
- Amphibian Breeding (ABWO & ABWE)
- Area-Sensitive Breeding Bird (ABB)
- Marsh Breeding Bird (MBB)
- Shrub/Early Successional Bird Breeding (SSB)
- Turtle Overwintering (TO)
- Landbird Migratory Stopover Area (ML)
- Waterfowl Stopover & Staging - Terrestrial (WT)
- Old Growth Forest (OGF)
- Significant Woodland
- Significant Wetland

**Notes**

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2012.



**Stantec**

January 2013  
160960595

Client/Project

WINDLECTRIC INC.  
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.

5.0

Title

**Significant Natural Features & Wildlife Habitat - Overview**



**Legend**

- Study Area
- 120m Zone of Investigation
- Project Components**
- Turbine
- Met Tower (Potential Location)
- Access Road
- Collector Lines
- Submarine Cable Path
- Laydown Area and Crane Path
- Submarine Cable Path
- Operation and Maintenance Building (Potential Location)
- Storage Shed
- Turbine Blade Tips
- Substation (Potential Location)
- Potential Culvert Location
- Point of Common Coupling
- Mainland Cable Vault (Potential Location)
- Island Cable Vault
- Constructible Area
- Mainland Dock (Potential Location)
- Island Dock
- Batch Plant (Potential Location)
- Site Office (Potential Location)
- Transmission Lines**
- Mainland Option 1
- Mainland Option 2
- Island Transmission Line
- Land Use**
- Central Staging Area
- Switching Station (Potential Location)
- Existing Features**
- Road
- Unopened Road Allowance
- Railway
- Watercourse
- Amherst Bay Life Science ANSI
- Property Line
- Significant Wildlife Habitat Features**
- Snake Hibernacula (SN)
- Amphibian Breeding (ABWO & ABWE)
- Area-Sensitive Breeding Bird (ABB)
- Marsh Breeding Bird (MBB)
- Shrub/Early Successional Bird Breeding (SSB)
- Turtle Overwintering (TO)
- Shorebird Migratory Stopover (SM)
- Landbird Migratory Stopover Area (ML)
- Waterfowl Stopover & Staging - Terrestrial (WT)
- Old Growth Forest (OGF)
- Significant Woodland
- Significant Wetland

**Notes**

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2012. Project layout S19 - revision 3.
3. Imagery Source: First Base Solutions ©, 2012. Imagery Date: 2008.

\* Distances shown between project components and habitats are provided in detail in Table 3.9 in the main report.



**Stantec**

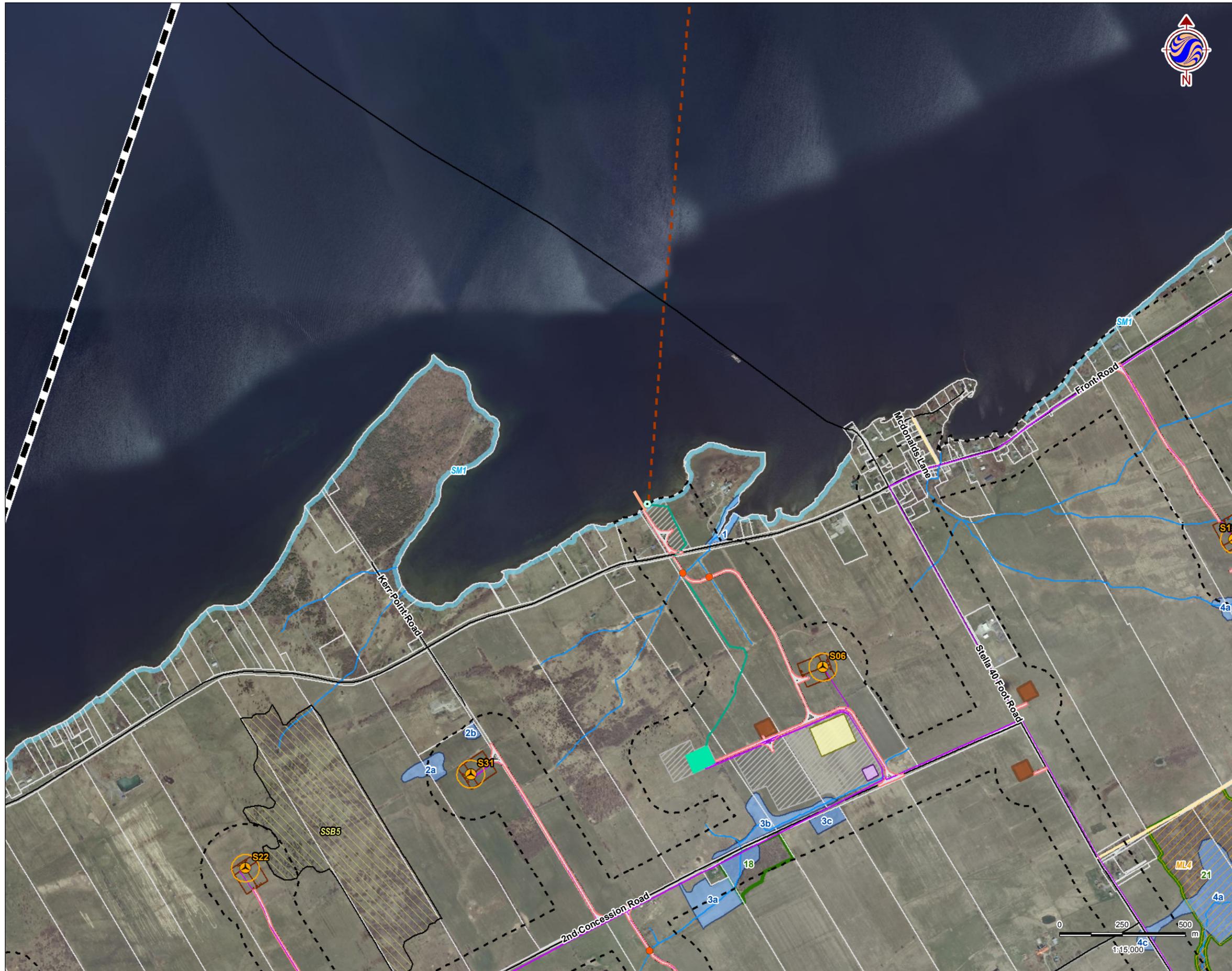
January 2013  
160960595

Client/Project  
WINDLECTRIC INC.  
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.  
5.1

Title  
**Significant Natural Features & Wildlife Habitat**





**Legend**

- Study Area
- 120m Zone of Investigation
- Project Components**
- Turbine
- Met Tower (Potential Location)
- Access Road
- Collector Lines
- Submarine Cable Path
- Laydown Area and Crane Path
- Submarine Cable Path
- Operation and Maintenance Building (Potential Location)
- Storage Shed
- Turbine Blade Tips
- Substation (Potential Location)
- Potential Culvert Location
- Point of Common Coupling
- Mainland Cable Vault (Potential Location)
- Island Cable Vault
- Constructible Area
- Mainland Dock (Potential Location)
- Island Dock
- Batch Plant (Potential Location)
- Site Office (Potential Location)
- Transmission Lines**
- Mainland Option 1
- Mainland Option 2
- Island Transmission Line
- Land Use**
- Central Staging Area
- Switching Station (Potential Location)
- Existing Features**
- Road
- Unopened Road Allowance
- Railway
- Watercourse
- Amherst Bay Life Science ANSI
- Property Line
- Significant Wildlife Habitat Features**
- Snake Hibernacula (SN)
- Amphibian Breeding (ABWO & ABWE)
- Area-Sensitive Breeding Bird (ABB)
- Marsh Breeding Bird (MBB)
- Shrub/Early Successional Bird Breeding (SSB)
- Turtle Overwintering (TO)
- Shorebird Migratory Stopover (SM)
- Landbird Migratory Stopover Area (ML)
- Waterfowl Stopover & Staging - Terrestrial (WT)
- Old Growth Forest (OGF)
- Significant Woodland
- Significant Wetland

**Notes**

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2012. Project layout S19 - revision 3.
3. Imagery Source: First Base Solutions ©, 2012. Imagery Date: 2008.

\* Distances shown between project components and habitats are provided in detail in Table 3.9 in the main report.



**Stantec**

January 2013  
160960595

Client/Project  
**WINDLECTRIC INC.  
AMHERST ISLAND WIND ENERGY PROJECT**

Figure No.  
**5.2**

Title  
**Significant Natural Features &  
Wildlife Habitat**



**Legend**

- Study Area
- 120m Zone of Investigation
- Project Components**
  - Turbine
  - Met Tower (Potential Location)
  - Access Road
  - Collector Lines
  - Submarine Cable Path
  - Laydown Area and Crane Path
  - Submarine Cable Path
  - Operation and Maintenance Building (Potential Location)
  - Storage Shed
  - Turbine Blade Tips
  - Substation (Potential Location)
  - Potential Culvert Location
  - Point of Common Coupling
  - Mainland Cable Vault (Potential Location)
  - Island Cable Vault
  - Constructible Area
  - Mainland Dock (Potential Location)
  - Island Dock
  - Batch Plant (Potential Location)
  - Site Office (Potential Location)
- Transmission Lines**
  - Mainland Option 1
  - Mainland Option 2
  - Island Transmission Line
- Land Use**
  - Central Staging Area
  - Switching Station (Potential Location)
- Existing Features**
  - Road
  - Unopened Road Allowance
  - Railway
  - Watercourse
  - Amherst Bay Life Science ANSI
  - Property Line
- Significant Wildlife Habitat Features**
  - Snake Hibernacula (SN)
  - Amphibian Breeding (ABWO & ABWE)
  - Area-Sensitive Breeding Bird (ABB)
  - Marsh Breeding Bird (MBB)
  - Shrub/Early Successional Bird Breeding (SSB)
  - Turtle Overwintering (TO)
  - Shorebird Migratory Stopover (SM)
  - Landbird Migratory Stopover Area (ML)
  - Waterfowl Stopover & Staging - Terrestrial (WT)
  - Old Growth Forest (OGF)
  - Significant Woodland
  - Significant Wetland

**Notes**

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2012. Project layout S19 - revision 3.
3. Imagery Source: First Base Solutions ©, 2012. Imagery Date: 2008.

\* Distances shown between project components and habitats are provided in detail in Table 3.9 in the main report.



**Stantec**

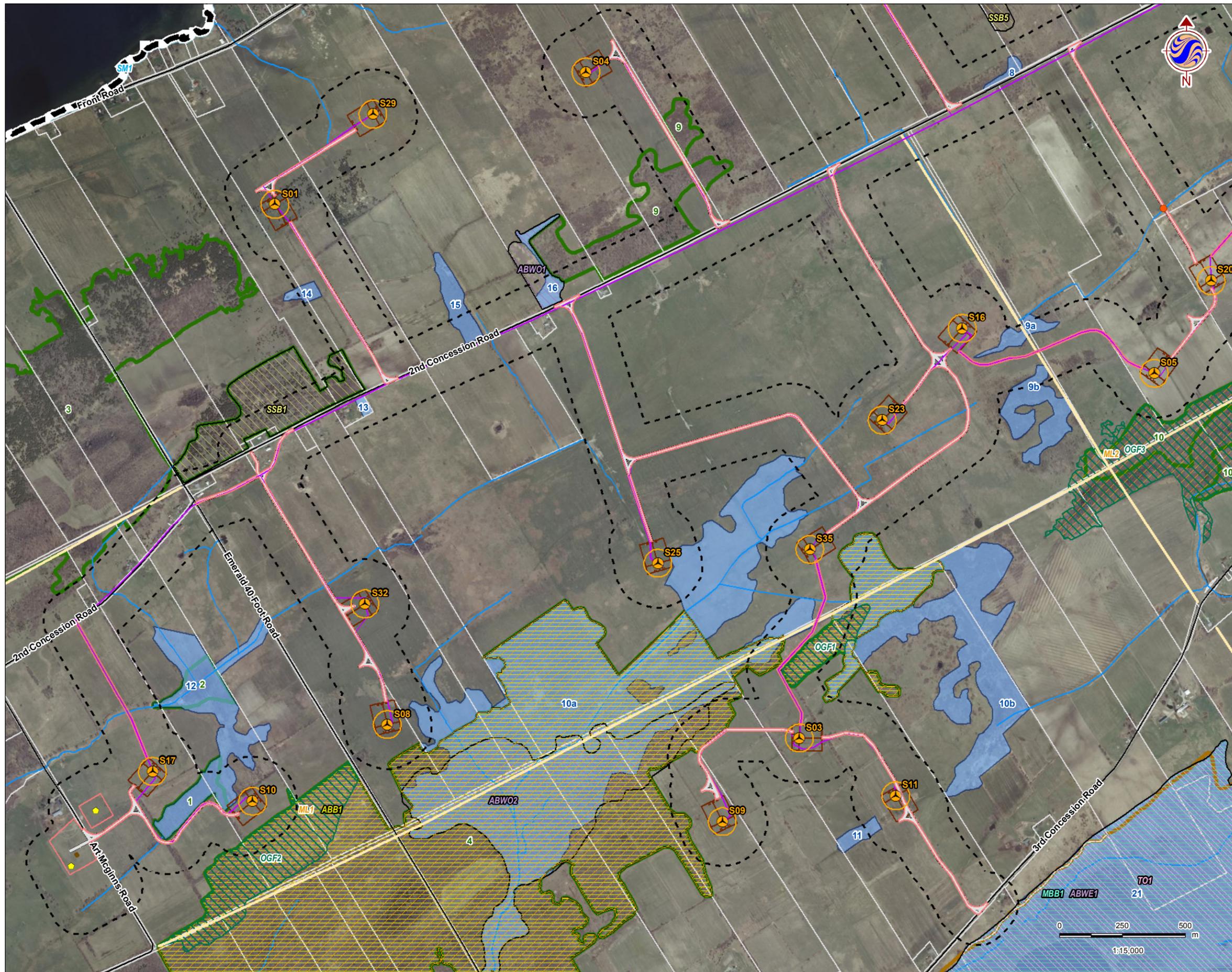
January 2013  
160960595

Client/Project  
**WINDLECTRIC INC.  
AMHERST ISLAND WIND ENERGY PROJECT**

Figure No.  
**5.3**

Title  
**Significant Natural Features & Wildlife Habitat**





**Legend**

- Study Area
- 120m Zone of Investigation
- Project Components**
  - Turbine
  - Met Tower (Potential Location)
  - Access Road
  - Collector Lines
  - Submarine Cable Path
  - Laydown Area and Crane Path
  - Submarine Cable Path
  - Operation and Maintenance Building (Potential Location)
  - Storage Shed
  - Turbine Blade Tips
  - Substation (Potential Location)
  - Potential Culvert Location
  - Point of Common Coupling
  - Mainland Cable Vault (Potential Location)
  - Island Cable Vault
  - Constructible Area
  - Mainland Dock (Potential Location)
  - Island Dock
  - Batch Plant (Potential Location)
  - Site Office (Potential Location)
- Transmission Lines**
  - Mainland Option 1
  - Mainland Option 2
  - Island Transmission Line
- Land Use**
  - Central Staging Area
  - Switching Station (Potential Location)
- Existing Features**
  - Road
  - Unopened Road Allowance
  - Railway
  - Watercourse
  - Amherst Bay Life Science ANSI
  - Property Line
- Significant Wildlife Habitat Features**
  - Snake Hibernacula (SN)
  - Amphibian Breeding (ABWO & ABWE)
  - Area-Sensitive Breeding Bird (ABB)
  - Marsh Breeding Bird (MBB)
  - Shrub/Early Successional Bird Breeding (SSB)
  - Turtle Overwintering (TO)
  - Shorebird Migratory Stopover (SM)
  - Landbird Migratory Stopover Area (ML)
  - Waterfowl Stopover & Staging - Terrestrial (WT)
  - Old Growth Forest (OGF)
  - Significant Woodland
  - Significant Wetland

**Notes**

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2012. Project layout S19 - revision 3.
3. Imagery Source: First Base Solutions ©, 2012. Imagery Date: 2008.

\* Distances shown between project components and habitats are provided in detail in Table 3.9 in the main report.



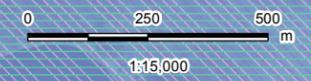
**Stantec**

January 2013  
160960595

Client/Project  
**WINDLECTRIC INC.  
AMHERST ISLAND WIND ENERGY PROJECT**

Figure No.  
**5.4**

Title  
**Significant Natural Features & Wildlife Habitat**





**Legend**

- Study Area
- 120m Zone of Investigation
- Project Components**
  - Turbine
  - Met Tower (Potential Location)
  - Access Road
  - Collector Lines
  - Submarine Cable Path
  - Laydown Area and Crane Path
  - Submarine Cable Path
  - Operation and Maintenance Building (Potential Location)
  - Storage Shed
  - Turbine Blade Tips
  - Substation (Potential Location)
  - Potential Culvert Location
  - Point of Common Coupling
  - Mainland Cable Vault (Potential Location)
  - Island Cable Vault
  - Constructible Area
  - Mainland Dock (Potential Location)
  - Island Dock
  - Batch Plant (Potential Location)
  - Site Office (Potential Location)
- Transmission Lines**
  - Mainland Option 1
  - Mainland Option 2
  - Island Transmission Line
- Land Use**
  - Central Staging Area
  - Switching Station (Potential Location)
- Existing Features**
  - Road
  - Unopened Road Allowance
  - Railway
  - Watercourse
  - Amherst Bay Life Science ANSI
  - Property Line
- Significant Wildlife Habitat Features**
  - Snake Hibernacula (SN)
  - Amphibian Breeding (ABWO & ABWE)
  - Area-Sensitive Breeding Bird (ABB)
  - Marsh Breeding Bird (MBB)
  - Shrub/Early Successional Bird Breeding (SSB)
  - Turtle Overwintering (TO)
  - Shorebird Migratory Stopover (SM)
  - Landbird Migratory Stopover Area (ML)
  - Waterfowl Stopover & Staging - Terrestrial (WT)
  - Old Growth Forest (OGF)
  - Significant Woodland
  - Significant Wetland

**Notes**

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2012. Project layout S19 - revision 3.
3. Imagery Source: First Base Solutions ©, 2012. Imagery Date: 2008.

\* Distances shown between project components and habitats are provided in detail in Table 3.9 in the main report.



**Stantec**

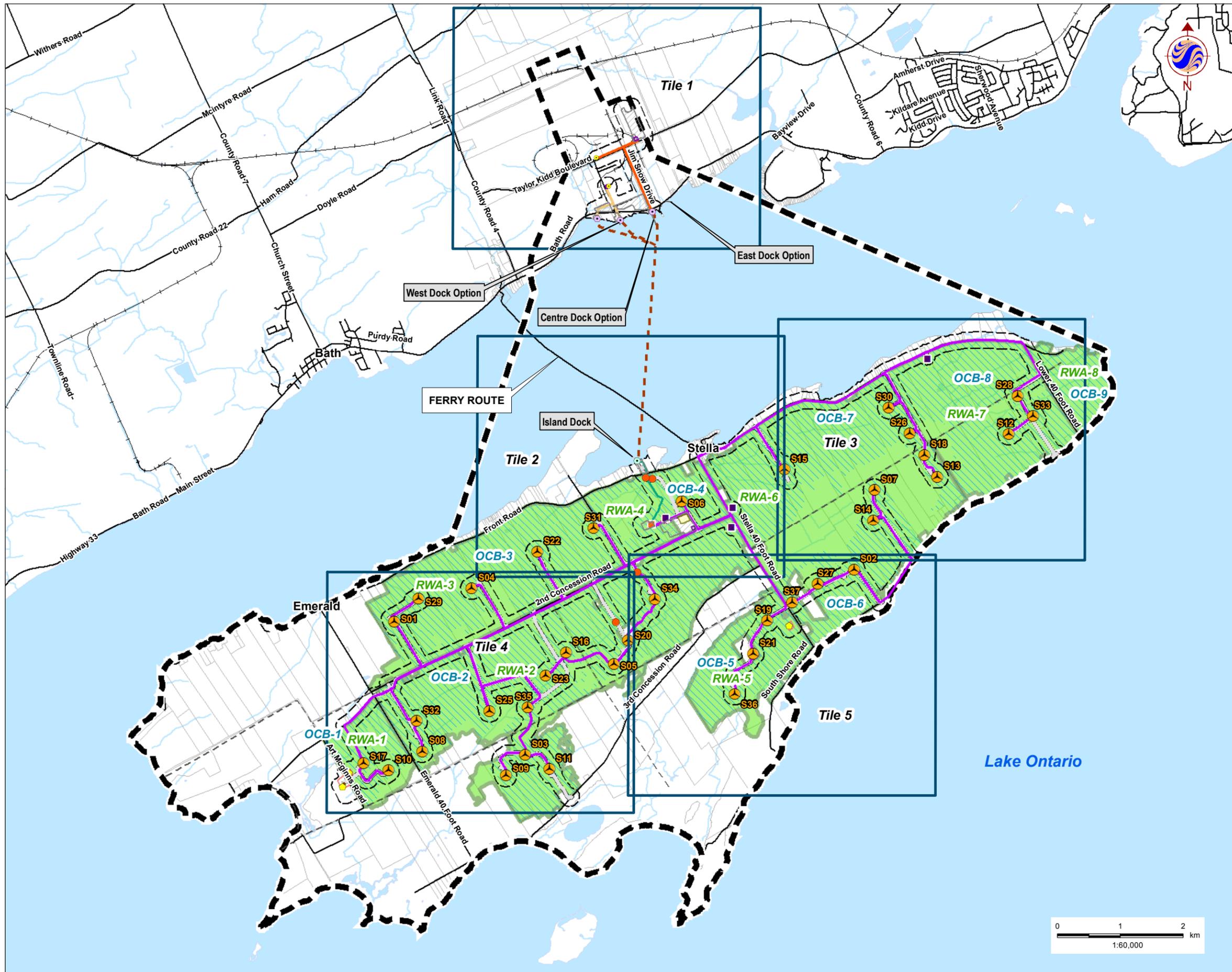
January 2013  
160960595

Client/Project  
WINDLECTRIC INC.  
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.  
5.5

Title  
**Significant Natural Features & Wildlife Habitat**





### Legend

- Project Study Area
- 120m Zone of Investigation
- Project Components**
  - Turbine
  - Met Tower (Potential Location)
  - Substation (Potential Location)
  - Access Road
  - Collector Lines
  - Submarine Cable Path
  - Operation and Maintenance Building (Potential Location)
  - Potential Culvert Location
  - Point of Common Coupling
  - Mainland Cable Vault (Potential Location)
  - Island Cable Vault
  - Constructible Area
  - Mainland Dock (Potential Location)
  - Island Dock
  - Batch Plant (Potential Location)
  - Site Office (Potential Location)
  - Storage Shed
  - Transmission Lines**
    - Mainland Option 1
    - Mainland Option 2
    - Island Transmission Line
  - Land Use**
    - Central Staging Area
    - Switching Station (Potential Location)
  - Existing Features**
    - Road
    - Unopened Road Allowance
    - Railway
    - Watercourse
    - Waterbody
    - Property Boundary
    - Open Country Breeding Bird Area (OCB) (OCB habitats are transparent with hatching)
    - Raptor Wintering Area (RWA)

**Notes**

- Coordinate System: UTM NAD 83 - Zone 18 (N).
- Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2012.



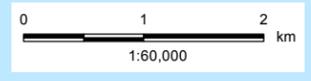
**Stantec**

January 2013  
160960595

Client/Project  
**WINDLECTRIC INC.  
AMHERST ISLAND WIND ENERGY PROJECT**

Figure No.  
**6.0**

Title  
**Significant Open Country Breeding Bird & Raptor Wintering Areas**





**Legend**

- Study Area
- 120m Zone of Investigation
- Project Components**
- Turbine
- Met Tower (Potential Location)
- Access Road
- Collector Lines
- Submarine Cable Path
- Laydown Area and Crane Path
- Operation and Maintenance Building (Potential Location)
- Storage Shed
- Turbine Blade Tips
- Substation (Potential Location)
- Potential Culvert Location
- Point of Common Coupling
- Mainland Cable Vault (Potential Location)
- Island Cable Vault
- Constructible Area
- Mainland Dock (Potential Location)
- Island Dock
- Batch Plant (Potential Location)
- Site Office (Potential Location)
- Transmission Lines**
- Mainland Option 1
- Mainland Option 2
- Island Transmission Line
- Land Use**
- Central Staging Area
- Switching Station (Potential Location)
- Existing Features**
- Road
- Unopened Road Allowance
- Railway
- Watercourse
- Property Line
- Open Country Breeding Bird Area (OCB)  
(OCB habitats are transparent with hatching)
- Raptor Wintering Area (RWA)

**Notes**

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2012. Project layout S19 - revision 3.
3. Imagery Source: First Base Solutions ©, 2012. Imagery Date: 2008.

\* Distances shown between project components and habitats are provided in detail in Table 3.9 in the main report.



**Stantec**

January 2013  
160960595

Client/Project  
**WINDLECTRIC INC.  
AMHERST ISLAND WIND ENERGY PROJECT**

Figure No.  
**6.1**

Title  
**Significant Open Country Breeding Bird & Raptor Wintering Areas**





**Legend**

- Study Area
- 120m Zone of Investigation
- Project Components**
- Turbine
- Met Tower (Potential Location)
- Access Road
- Collector Lines
- Submarine Cable Path
- Laydown Area and Crane Path
- Operation and Maintenance Building (Potential Location)
- Storage Shed
- Turbine Blade Tips
- Substation (Potential Location)
- Potential Culvert Location
- Point of Common Coupling
- Mainland Cable Vault (Potential Location)
- Island Cable Vault
- Constructible Area
- Mainland Dock (Potential Location)
- Island Dock
- Batch Plant (Potential Location)
- Site Office (Potential Location)
- Transmission Lines**
- Mainland Option 1
- Mainland Option 2
- Island Transmission Line
- Land Use**
- Central Staging Area
- Switching Station (Potential Location)
- Existing Features**
- Road
- Unopened Road Allowance
- Railway
- Watercourse
- Property Line
- Open Country Breeding Bird Area (OCB)  
(OCB habitats are transparent with hatching)
- Raptor Wintering Area (RWA)

**Notes**

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2012. Project layout S19 - revision 3.
3. Imagery Source: First Base Solutions ©, 2012. Imagery Date: 2008.

\* Distances shown between project components and habitats are provided in detail in Table 3.9 in the main report.



**Stantec**

January 2013  
160960595

Client/Project

WINDLECTRIC INC.  
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.

6.2

Title

**Significant Open Country Breeding Bird & Raptor Wintering Areas**



**Legend**

- Study Area
- 120m Zone of Investigation
- Project Components**
- Turbine
- Met Tower (Potential Location)
- Access Road
- Collector Lines
- Submarine Cable Path
- Laydown Area and Crane Path
- Operation and Maintenance Building (Potential Location)
- Storage Shed
- Turbine Blade Tips
- Substation (Potential Location)
- Potential Culvert Location
- Point of Common Coupling
- Mainland Cable Vault (Potential Location)
- Island Cable Vault
- Constructible Area
- Mainland Dock (Potential Location)
- Island Dock
- Batch Plant (Potential Location)
- Site Office (Potential Location)
- Transmission Lines**
- Mainland Option 1
- Mainland Option 2
- Island Transmission Line
- Land Use**
- Central Staging Area
- Switching Station (Potential Location)
- Existing Features**
- Road
- Unopened Road Allowance
- Railway
- Watercourse
- Property Line
- Open Country Breeding Bird Area (OCB)  
(OCB habitats are transparent with hatching)
- Raptor Wintering Area (RWA)

**Notes**

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2012. Project layout S19 - revision 3.
3. Imagery Source: First Base Solutions ©, 2012. Imagery Date: 2008.

\* Distances shown between project components and habitats are provided in detail in Table 3.9 in the main report.



**Stantec**

January 2013  
160960595

Client/Project

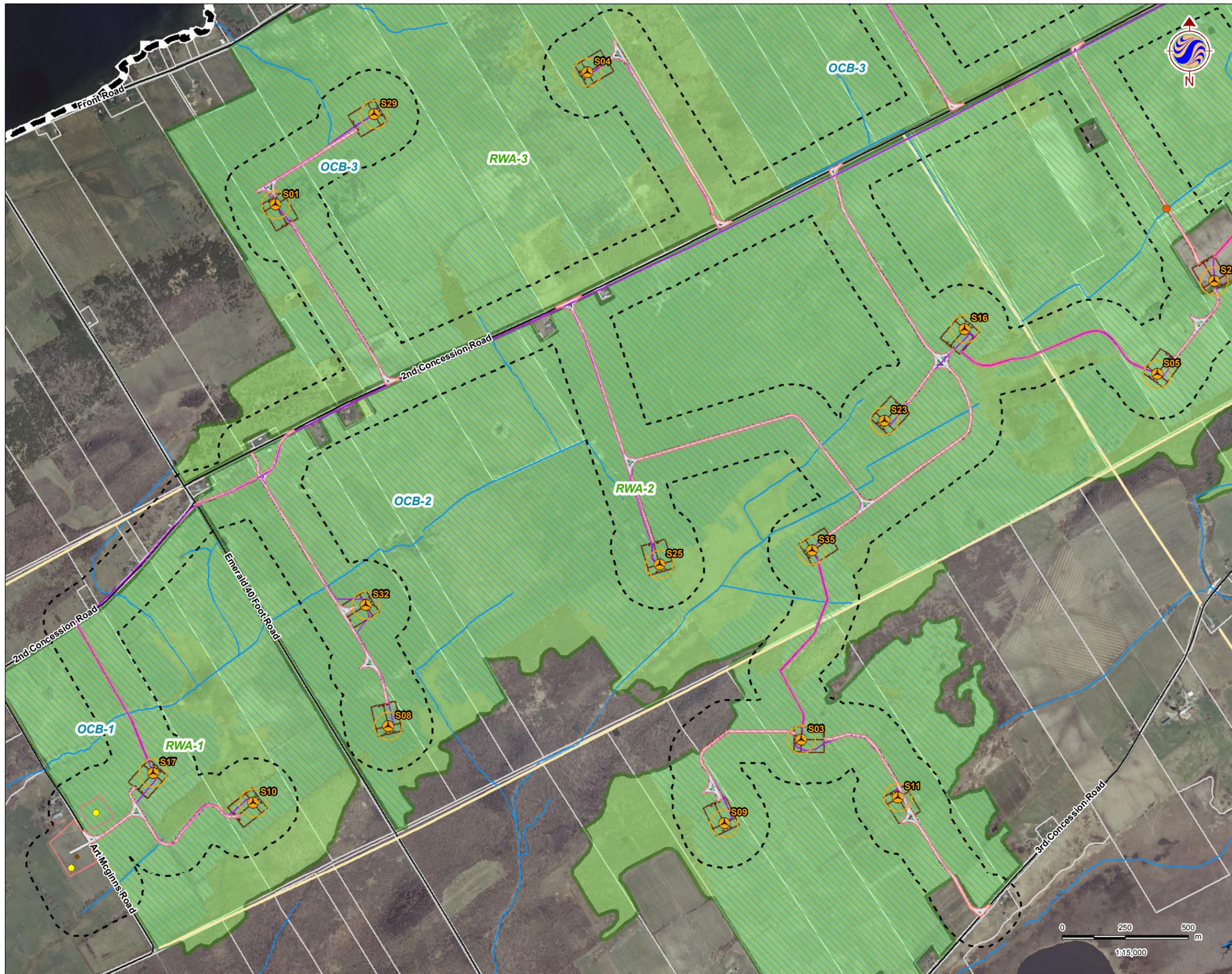
WINDLECTRIC INC.  
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.

6.3

Title

**Significant Open Country Breeding Bird & Raptor Wintering Areas**



### Legend

- Study Area
- 120m Zone of Investigation
- Project Components**
  - Turbine
  - Met Tower (Potential Location)
  - Access Road
  - Collector Lines
  - Submarine Cable Path
  - Laydown Area and Crane Path
  - Operation and Maintenance Building (Potential Location)
  - Storage Shed
  - Turbine Blade Tips
  - Substation (Potential Location)
  - Potential Culvert Location
  - Point of Common Coupling
  - Mainland Cable Vault (Potential Location)
  - Island Cable Vault
  - Constructible Area
  - Mainland Dock (Potential Location)
  - Island Dock
  - Batch Plant (Potential Location)
  - Site Office (Potential Location)
- Transmission Lines**
  - Mainland Option 1
  - Mainland Option 2
  - Island Transmission Line
- Land Use**
  - Central Staging Area
  - Switching Station (Potential Location)
- Existing Features**
  - Road
  - Unopened Road Allowance
  - Railway
  - Watercourse
  - Property Line
  - Open Country Breeding Bird Area (OCB)  
(OCB habitats are transparent with hatching)
  - Raptor Wintering Area (RWA)

### Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2012. Project layout S19 - revision 3.
3. Imagery Source: First Base Solutions ©, 2012. Imagery Date: 2008.

\* Distances shown between project components and habitats are provided in detail in Table 3.9 in the main report.



**Stantec**

January 2013  
160960595

Client/Project

WINDLECTRIC INC.  
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.

6.4

Title

**Significant Open Country Breeding Bird & Raptor Wintering Areas**



**Legend**

- Study Area
- 120m Zone of Investigation
- Project Components**
- Turbine
- Met Tower (Potential Location)
- Access Road
- Collector Lines
- Submarine Cable Path
- Laydown Area and Crane Path
- Operation and Maintenance Building (Potential Location)
- Storage Shed
- Turbine Blade Tips
- Substation (Potential Location)
- Potential Culvert Location
- Point of Common Coupling
- Mainland Cable Vault (Potential Location)
- Island Cable Vault
- Constructible Area
- Mainland Dock (Potential Location)
- Island Dock
- Batch Plant (Potential Location)
- Site Office (Potential Location)
- Transmission Lines**
- Mainland Option 1
- Mainland Option 2
- Island Transmission Line
- Land Use**
- Central Staging Area
- Switching Station (Potential Location)
- Existing Features**
- Road
- Unopened Road Allowance
- Railway
- Watercourse
- Property Line
- Open Country Breeding Bird Area (OCB)  
(OCB habitats are transparent with hatching)
- Raptor Wintering Area (RWA)

**Notes**

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2012. Project layout S19 - revision 3.
3. Imagery Source: First Base Solutions ©, 2012. Imagery Date: 2008.

\* Distances shown between project components and habitats are provided in detail in Table 3.9 in the main report.



**Stantec**

January 2013  
160960595

Client/Project  
WINDLECTRIC INC.  
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.  
6.5

Title  
**Significant Open Country Breeding Bird & Raptor Wintering Areas**

