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July 2011  
160960577



**Legend**

- |                               |                            |                          |                                   |  |                   |
|-------------------------------|----------------------------|--------------------------|-----------------------------------|--|-------------------|
|                               | Study Area                 |                          | Transmission Line                 |  | Waterbody (MNR)   |
|                               | Zone of Investigation      |                          | Overhead Transmission Line        |  | Wooded Area (MNR) |
| <b>Wind Project Location</b>  |                            |                          | Underground Transmission Line     |  |                   |
|                               | Proposed Turbine Location  |                          | Electrical Transmission Component |  |                   |
|                               | Access Road                | <b>Existing Features</b> |                                   |  |                   |
|                               | Overhead Collector Line    |                          | Road                              |  |                   |
|                               | Underground Collector Line |                          | Railway                           |  |                   |
| <b>Solar Project Location</b> |                            |                          | Abandoned Railway                 |  |                   |
|                               | Solar Lands                |                          | Watercourse (MNR)                 |  |                   |

**Notes**

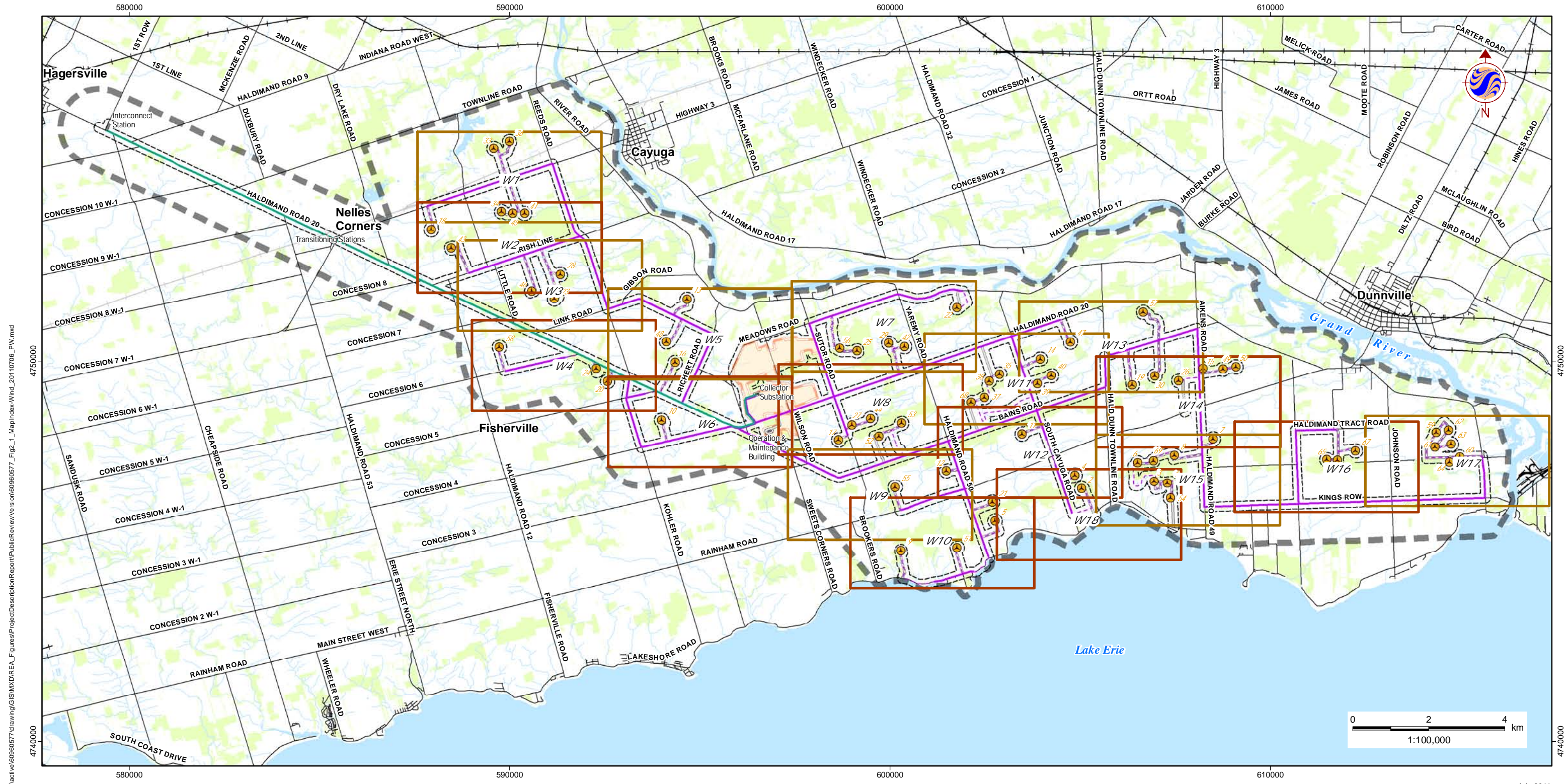
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Client/Project  
SAMSUNG, PATTERN & KEPCO (SPK)  
GRAND RENEWABLE ENERGY PARK

Figure No.  
1.0

Title  
**STUDY AREA**

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**Legend**

- |                               |                            |                          |                                   |  |                   |
|-------------------------------|----------------------------|--------------------------|-----------------------------------|--|-------------------|
|                               | Study Area                 |                          | Overhead Transmission Line        |  | Waterbody (MNR)   |
|                               | Zone of Investigation      |                          | Underground Transmission Line     |  | Wooded Area (MNR) |
| <b>Wind Project Location</b>  |                            |                          |                                   |  |                   |
|                               | Proposed Turbine Location  |                          | Electrical Transmission Component |  |                   |
|                               | Access Road                | <b>Existing Features</b> |                                   |  |                   |
|                               | Overhead Collector Line    |                          | Road                              |  | Railway           |
|                               | Underground Collector Line |                          | Abandoned Railway                 |  | Watercourse (MNR) |
| <b>Solar Project Location</b> |                            |                          |                                   |  |                   |
|                               | Solar Lands                |                          |                                   |  |                   |

**Notes**

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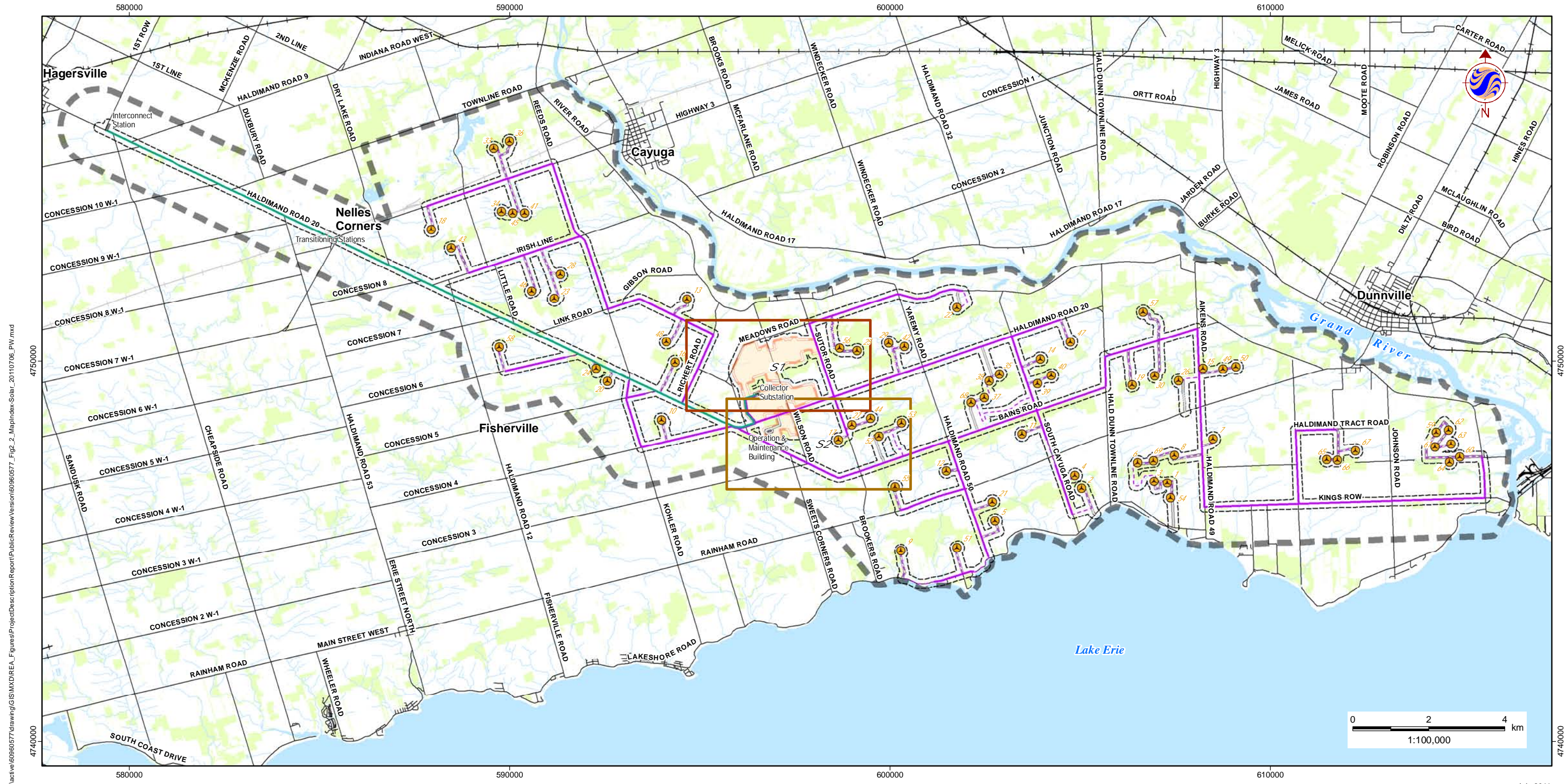
Client/Project  
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GRAND RENEWABLE ENERGY PARK

Figure No.  
2.1

Title

**MAPPING INDEX - WIND PROJECT**

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**Legend**

- |                               |                            |                          |                                   |  |                   |
|-------------------------------|----------------------------|--------------------------|-----------------------------------|--|-------------------|
|                               | Study Area                 |                          | Overhead Transmission Line        |  | Waterbody (MNR)   |
|                               | Zone of Investigation      |                          | Underground Transmission Line     |  | Wooded Area (MNR) |
| <b>Wind Project Location</b>  |                            |                          |                                   |  |                   |
|                               | Proposed Turbine Location  |                          | Electrical Transmission Component |  |                   |
|                               | Access Road                | <b>Existing Features</b> |                                   |  |                   |
|                               | Overhead Collector Line    |                          | Road                              |  |                   |
|                               | Underground Collector Line |                          | Railway                           |  |                   |
| <b>Solar Project Location</b> |                            |                          |                                   |  |                   |
|                               | Solar Lands                |                          | Abandoned Railway                 |  | Watercourse (MNR) |

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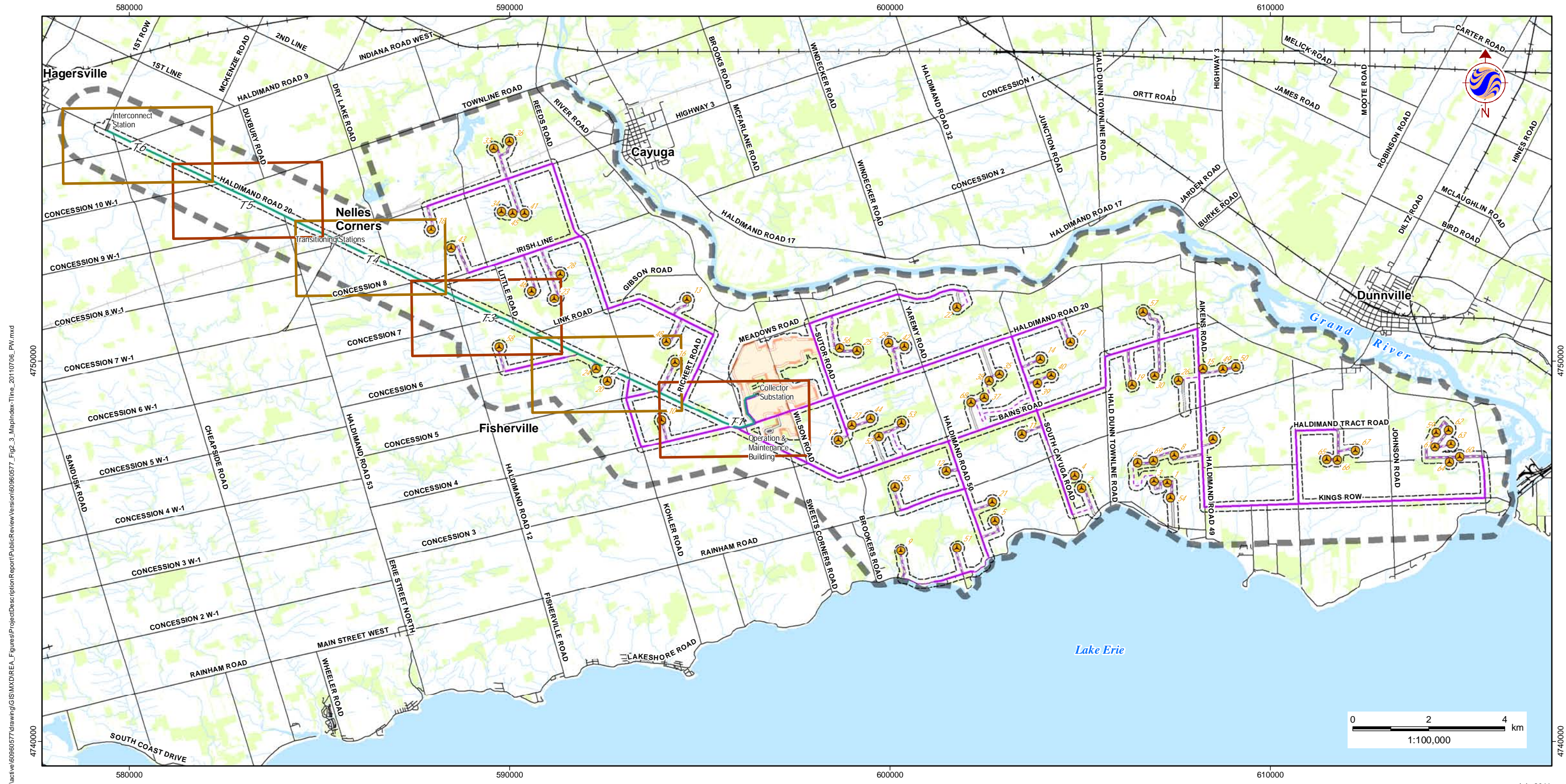
Client/Project  
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GRAND RENEWABLE ENERGY PARK

Figure No.  
2.2

Title

**MAPPING INDEX - SOLAR PROJECT**

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**Legend**

- |                               |                            |                          |                                   |  |                   |
|-------------------------------|----------------------------|--------------------------|-----------------------------------|--|-------------------|
|                               | Study Area                 |                          | Overhead Transmission Line        |  | Waterbody (MNR)   |
|                               | Zone of Investigation      |                          | Underground Transmission Line     |  | Wooded Area (MNR) |
| <b>Wind Project Location</b>  |                            |                          |                                   |  |                   |
|                               | Proposed Turbine Location  |                          | Electrical Transmission Component |  |                   |
|                               | Access Road                | <b>Existing Features</b> |                                   |  |                   |
|                               | Overhead Collector Line    |                          | Road                              |  |                   |
|                               | Underground Collector Line |                          | Railway                           |  |                   |
| <b>Solar Project Location</b> |                            |                          |                                   |  |                   |
|                               | Solar Lands                |                          | Abandoned Railway                 |  | Watercourse (MNR) |

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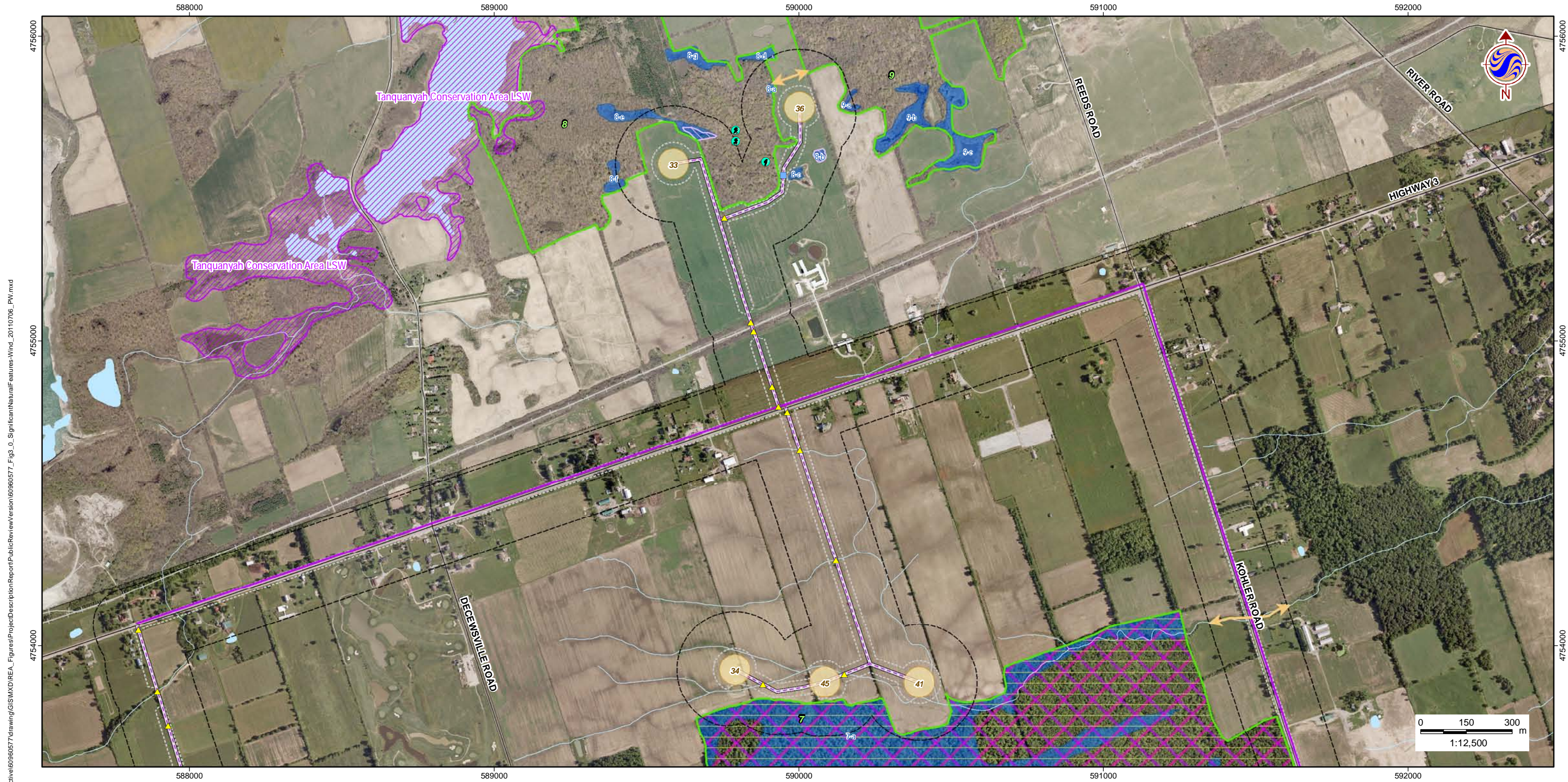
Client/Project  
 SAMSUNG, PATTERN & KEPCO (SPK)  
 GRAND RENEWABLE ENERGY PARK

Figure No.  
 2.3

Title

**MAPPING INDEX -  
 TRANSMISSION LINE**

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**Legend**

- |  |  |   |  |
|--|--|---|--|
| <ul style="list-style-type: none"> <li> Study Area</li> <li> Zone of Investigation</li> <li> Constructable Area</li> <li><b>Wind Project Location</b></li> <li> Proposed Turbine Location</li> <li> Access Road</li> <li> Overhead Collector Line</li> <li> Underground Collector Line</li> <li><b>Solar Project Location</b></li> <li> Solar Lands</li> </ul> | <ul style="list-style-type: none"> <li><b>Transmission Line</b></li> <li> Overhead Transmission Line</li> <li> Underground Transmission Line</li> <li> Electrical Transmission Component</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Railway</li> <li> Abandoned Railway</li> <li> Transmission Line (MNR)</li> <li> Watercourse (MNR)</li> <li> Waterbody (MNR)</li> </ul> | <ul style="list-style-type: none"> <li><b>Wetland (MNR)</b></li> <li> Provincially Significant Wetland</li> <li> Non-Provincially Significant Wetland</li> <li><b>Significant Natural Features</b></li> <li> Significant Woodland</li> <li> Significant Wetland</li> <li> Significant Valleyland</li> <li><b>Significant Wildlife Habitat</b></li> <li> Deer Wintering Area</li> <li> Habitat for Declining/Area-Sensitive Grassland Species</li> <li> Winter Raptor Roosting &amp; Feeding Area</li> </ul> | <ul style="list-style-type: none"> <li> Seep</li> <li> Vernal Pool</li> <li> Rare Vegetation Community</li> <li> Snapping Turtle Habitat</li> <li> Animal Movement Corridor</li> <li> Waterfowl Stopover</li> <li> Migratory Landbird Habitat</li> <li> Habitat for Declining Woodland Species</li> <li> Area-Sensitive Species Woodland Habitat</li> <li> Short-Eared Owl Habitat</li> <li><b>Culverts</b></li> <li> Wildlife &amp; Flow Culvert</li> <li> Other Culvert</li> </ul> |
|--|--|---|--|

**Notes**

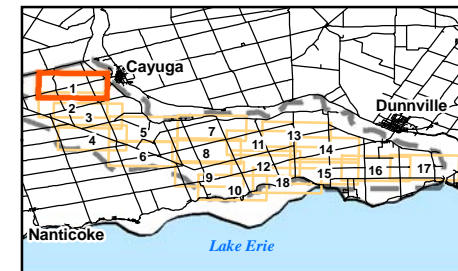
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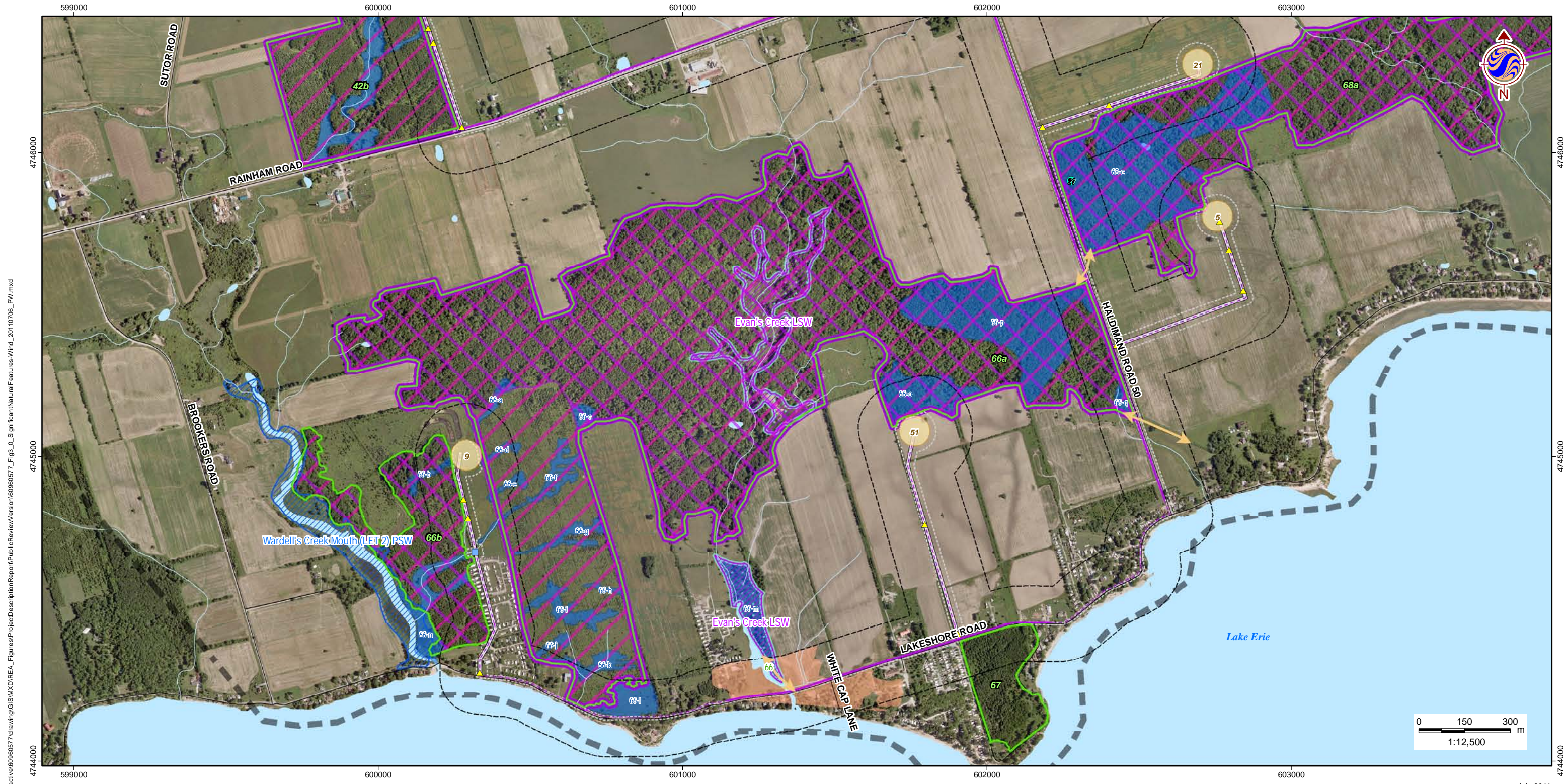
Client/Project  
**SAMSUNG, PATTERN & KEPCO (SPK)  
GRAND RENEWABLE ENERGY PARK**

Figure No.  
**3.1**

*DRAFT*

Title  
**SIGNIFICANT NATURAL  
FEATURES - W1**





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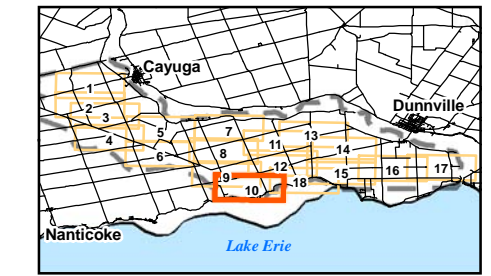


**Legend**

- |  |  |   |  |
|--|--|---|--|
| <ul style="list-style-type: none"> <li> Study Area</li> <li> Zone of Investigation</li> <li> Constructable Area</li> <li><b>Wind Project Location</b></li> <li> Proposed Turbine Location</li> <li> Access Road</li> <li> Overhead Collector Line</li> <li> Underground Collector Line</li> <li><b>Solar Project Location</b></li> <li> Solar Lands</li> </ul> | <ul style="list-style-type: none"> <li><b>Transmission Line</b></li> <li> Overhead Transmission Line</li> <li> Underground Transmission Line</li> <li> Electrical Transmission Component</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Railway</li> <li> Abandoned Railway</li> <li> Transmission Line (MNR)</li> <li> Watercourse (MNR)</li> <li> Waterbody (MNR)</li> </ul> | <ul style="list-style-type: none"> <li><b>Wetland (MNR)</b></li> <li> Provincially Significant Wetland</li> <li> Non-Provincially Significant Wetland</li> <li><b>Significant Natural Features</b></li> <li> Significant Woodland</li> <li> Significant Wetland</li> <li> Significant Valleyland</li> <li><b>Significant Wildlife Habitat</b></li> <li> Deer Wintering Area</li> <li> Habitat for Declining/Area-Sensitive Grassland Species</li> <li> Winter Raptor Roosting &amp; Feeding Area</li> </ul> | <ul style="list-style-type: none"> <li> Seep</li> <li> Vernal Pool</li> <li> Rare Vegetation Community</li> <li> Snapping Turtle Habitat</li> <li> Animal Movement Corridor</li> <li> Waterfowl Stopover</li> <li> Migratory Landbird Habitat</li> <li> Habitat for Declining Woodland Species</li> <li> Area-Sensitive Species Woodland Habitat</li> <li> Short-Eared Owl Habitat</li> <li><b>Culverts</b></li> <li> Wildlife &amp; Flow Culvert</li> <li> Other Culvert</li> </ul> |
|--|--|---|--|

**Notes**

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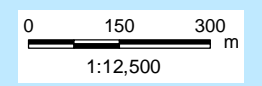


Client/Project  
**SAMSUNG, PATTERN & KEPCO (SPK)**  
**GRAND RENEWABLE ENERGY PARK**

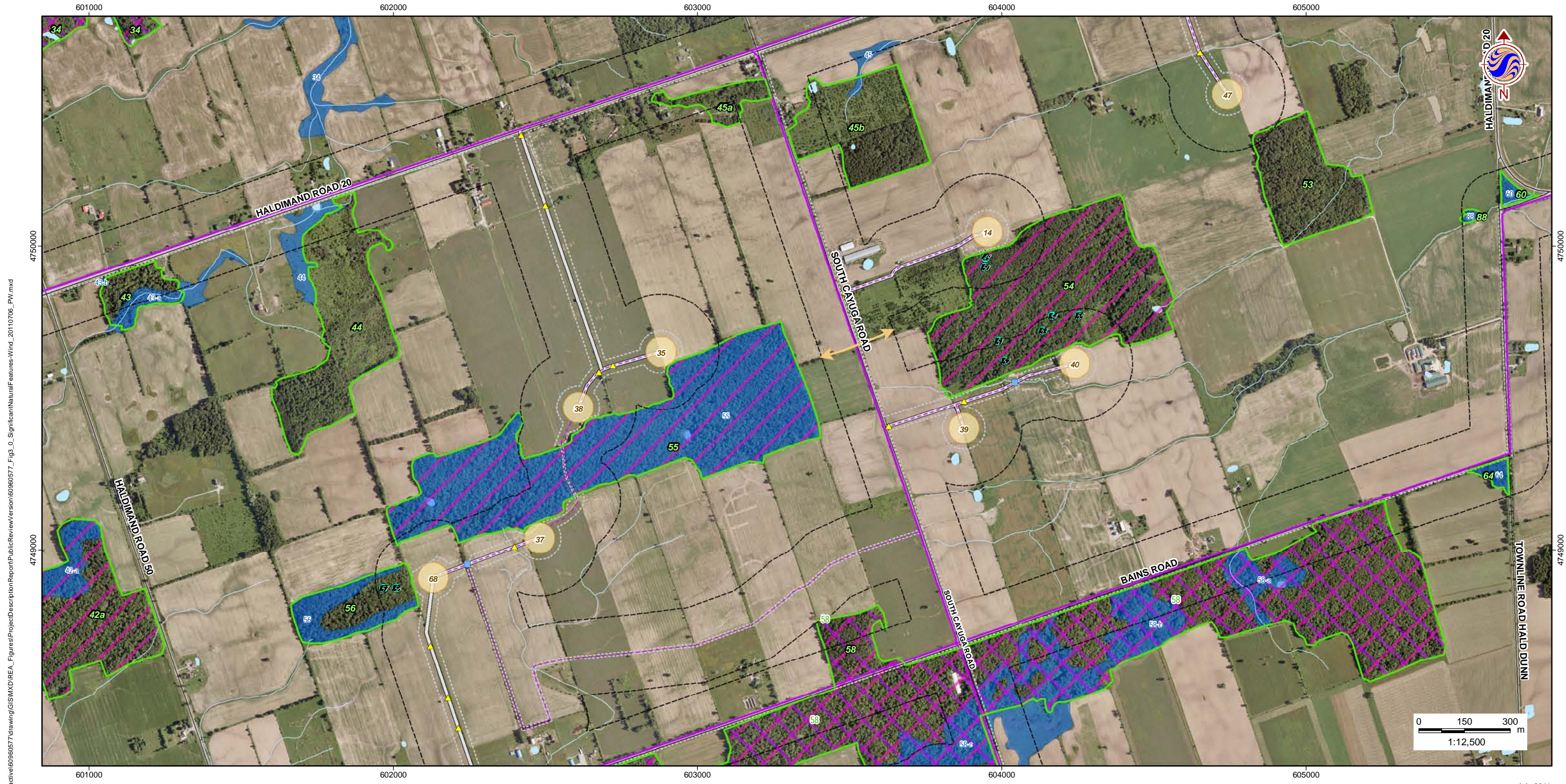
Figure No.  
**3.10**

Title  
**SIGNIFICANT NATURAL FEATURES - W10**

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**Legend**

- |  |  |   |  |
|--|--|---|--|
| <ul style="list-style-type: none"> <li> Study Area</li> <li> Zone of Investigation</li> <li> Constructable Area</li> <li><b>Wind Project Location</b></li> <li> Proposed Turbine Location</li> <li> Access Road</li> <li> Overhead Collector Line</li> <li> Underground Collector Line</li> <li><b>Solar Project Location</b></li> <li> Solar Lands</li> </ul> | <ul style="list-style-type: none"> <li><b>Transmission Line</b></li> <li> Overhead Transmission Line</li> <li> Underground Transmission Line</li> <li> Electrical Transmission Component</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Railway</li> <li> Abandoned Railway</li> <li> Transmission Line (MNR)</li> <li> Watercourse (MNR)</li> <li> Waterbody (MNR)</li> </ul> | <ul style="list-style-type: none"> <li><b>Wetland (MNR)</b></li> <li> Provincially Significant Wetland</li> <li> Non-Provincially Significant Wetland</li> <li><b>Significant Natural Features</b></li> <li> Significant Woodland</li> <li> Significant Wetland</li> <li> Significant Valleyland</li> <li><b>Significant Wildlife Habitat</b></li> <li> Deer Wintering Area</li> <li> Habitat for Declining/Area-Sensitive Grassland Species</li> <li> Winter Raptor Roosting &amp; Feeding Area</li> </ul> | <ul style="list-style-type: none"> <li> Seep</li> <li> Vernal Pool</li> <li> Rare Vegetation Community</li> <li> Snapping Turtle Habitat</li> <li> Animal Movement Corridor</li> <li> Waterfowl Stopover</li> <li> Migratory Landbird Habitat</li> <li> Habitat for Declining Woodland Species</li> <li> Area-Sensitive Species Woodland Habitat</li> <li> Short-Eared Owl Habitat</li> <li><b>Culverts</b></li> <li> Wildlife &amp; Flow Culvert</li> <li> Other Culvert</li> </ul> |
|--|--|---|--|

**Notes**

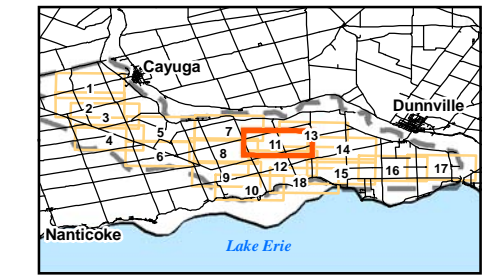
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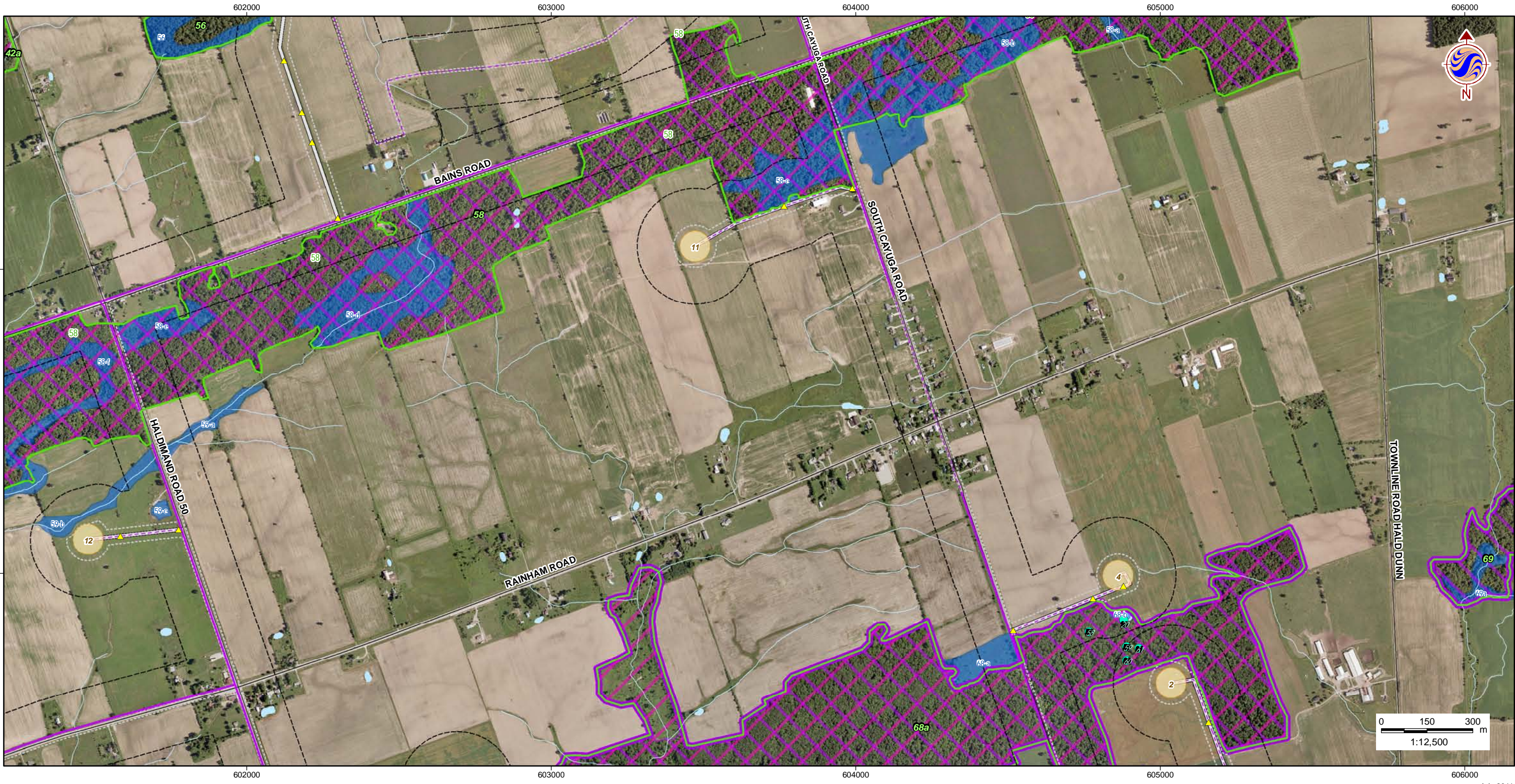
Client/Project  
**SAMSUNG, PATTERN & KEPCO (SPK)  
GRAND RENEWABLE ENERGY PARK**

Figure No.  
**3.11**

*DRAFT*

Title  
**SIGNIFICANT NATURAL  
FEATURES - W11**





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**Legend**

- |  |  |   |  |
|--|--|---|--|
| <ul style="list-style-type: none"> <li> Study Area</li> <li> Zone of Investigation</li> <li> Constructable Area</li> <li><b>Wind Project Location</b></li> <li> Proposed Turbine Location</li> <li> Access Road</li> <li> Overhead Collector Line</li> <li> Underground Collector Line</li> <li><b>Solar Project Location</b></li> <li> Solar Lands</li> </ul> | <ul style="list-style-type: none"> <li><b>Transmission Line</b></li> <li> Overhead Transmission Line</li> <li> Underground Transmission Line</li> <li> Electrical Transmission Component</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Railway</li> <li> Abandoned Railway</li> <li> Transmission Line (MNR)</li> <li> Watercourse (MNR)</li> <li> Waterbody (MNR)</li> </ul> | <ul style="list-style-type: none"> <li><b>Wetland (MNR)</b></li> <li> Provincially Significant Wetland</li> <li> Non-Provincially Significant Wetland</li> <li><b>Significant Natural Features</b></li> <li> Significant Woodland</li> <li> Significant Wetland</li> <li> Significant Valleyland</li> <li><b>Significant Wildlife Habitat</b></li> <li> Deer Wintering Area</li> <li> Habitat for Declining/Area-Sensitive Grassland Species</li> <li> Winter Raptor Roosting &amp; Feeding Area</li> </ul> | <ul style="list-style-type: none"> <li> Seep</li> <li> Vernal Pool</li> <li> Rare Vegetation Community</li> <li> Snapping Turtle Habitat</li> <li> Animal Movement Corridor</li> <li> Waterfowl Stopover</li> <li> Migratory Landbird Habitat</li> <li> Habitat for Declining Woodland Species</li> <li> Area-Sensitive Species Woodland Habitat</li> <li> Short-Eared Owl Habitat</li> <li><b>Culverts</b></li> <li> Wildlife &amp; Flow Culvert</li> <li> Other Culvert</li> </ul> |
|--|--|---|--|

**Notes**

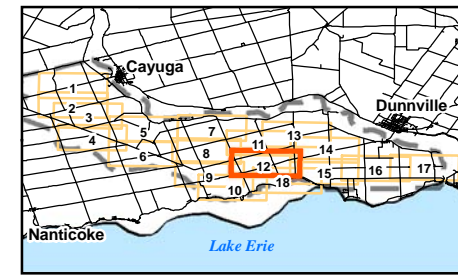
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**SAMSUNG, PATTERN & KEPCO (SPK)  
GRAND RENEWABLE ENERGY PARK**

Figure No.  
**3.12**

*DRAFT*

Title  
**SIGNIFICANT NATURAL  
FEATURES - W12**







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**Legend**

- |  |  |   |  |
|--|--|---|--|
| <ul style="list-style-type: none"> <li> Study Area</li> <li> Zone of Investigation</li> <li> Constructable Area</li> <li><b>Wind Project Location</b></li> <li> Proposed Turbine Location</li> <li> Access Road</li> <li> Overhead Collector Line</li> <li> Underground Collector Line</li> <li><b>Solar Project Location</b></li> <li> Solar Lands</li> </ul> | <ul style="list-style-type: none"> <li><b>Transmission Line</b></li> <li> Overhead Transmission Line</li> <li> Underground Transmission Line</li> <li> Electrical Transmission Component</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Railway</li> <li> Abandoned Railway</li> <li> Transmission Line (MNR)</li> <li> Watercourse (MNR)</li> <li> Waterbody (MNR)</li> </ul> | <ul style="list-style-type: none"> <li><b>Wetland (MNR)</b></li> <li> Provincially Significant Wetland</li> <li> Non-Provincially Significant Wetland</li> <li><b>Significant Natural Features</b></li> <li> Significant Woodland</li> <li> Significant Wetland</li> <li> Significant Valleyland</li> <li><b>Significant Wildlife Habitat</b></li> <li> Deer Wintering Area</li> <li> Habitat for Declining/Area-Sensitive Grassland Species</li> <li> Winter Raptor Roosting &amp; Feeding Area</li> </ul> | <ul style="list-style-type: none"> <li> Seep</li> <li> Vernal Pool</li> <li> Rare Vegetation Community</li> <li> Snapping Turtle Habitat</li> <li> Animal Movement Corridor</li> <li> Waterfowl Stopover</li> <li> Migratory Landbird Habitat</li> <li> Habitat for Declining Woodland Species</li> <li> Area-Sensitive Species Woodland Habitat</li> <li> Short-Eared Owl Habitat</li> <li><b>Culverts</b></li> <li> Wildlife &amp; Flow Culvert</li> <li> Other Culvert</li> </ul> |
|--|--|---|--|

**Notes**

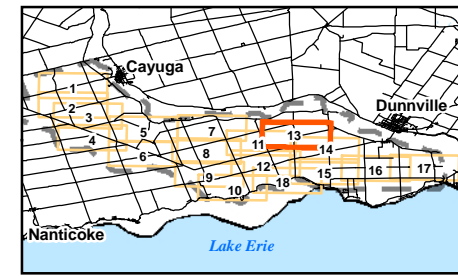
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Figure No.  
**3.13**

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Title  
**SIGNIFICANT NATURAL  
FEATURES - W13**





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**Legend**

- |  |  |   |  |
|--|--|---|--|
| <ul style="list-style-type: none"> <li> Study Area</li> <li> Zone of Investigation</li> <li> Constructable Area</li> <li><b>Wind Project Location</b></li> <li> Proposed Turbine Location</li> <li> Access Road</li> <li> Overhead Collector Line</li> <li> Underground Collector Line</li> <li><b>Solar Project Location</b></li> <li> Solar Lands</li> </ul> | <ul style="list-style-type: none"> <li><b>Transmission Line</b></li> <li> Overhead Transmission Line</li> <li> Underground Transmission Line</li> <li> Electrical Transmission Component</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Railway</li> <li> Abandoned Railway</li> <li> Transmission Line (MNR)</li> <li> Watercourse (MNR)</li> <li> Waterbody (MNR)</li> </ul> | <ul style="list-style-type: none"> <li><b>Wetland (MNR)</b></li> <li> Provincially Significant Wetland</li> <li> Non-Provincially Significant Wetland</li> <li><b>Significant Natural Features</b></li> <li> Significant Woodland</li> <li> Significant Wetland 9-a</li> <li> Significant Valleyland</li> <li><b>Significant Wildlife Habitat</b></li> <li> Deer Wintering Area</li> <li> Habitat for Declining/Area-Sensitive Grassland Species</li> <li> Winter Raptor Roosting &amp; Feeding Area</li> </ul> | <ul style="list-style-type: none"> <li> Seep</li> <li> Vernal Pool</li> <li> Rare Vegetation Community</li> <li> Snapping Turtle Habitat</li> <li> Animal Movement Corridor</li> <li> Waterfowl Stopover</li> <li> Migratory Landbird Habitat</li> <li> Habitat for Declining Woodland Species</li> <li> Area-Sensitive Species Woodland Habitat</li> <li> Short-Eared Owl Habitat</li> <li><b>Culverts</b></li> <li> Wildlife &amp; Flow Culvert</li> <li> Other Culvert</li> </ul> |
|--|--|---|--|

**Notes**

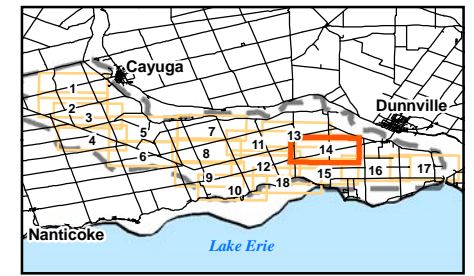
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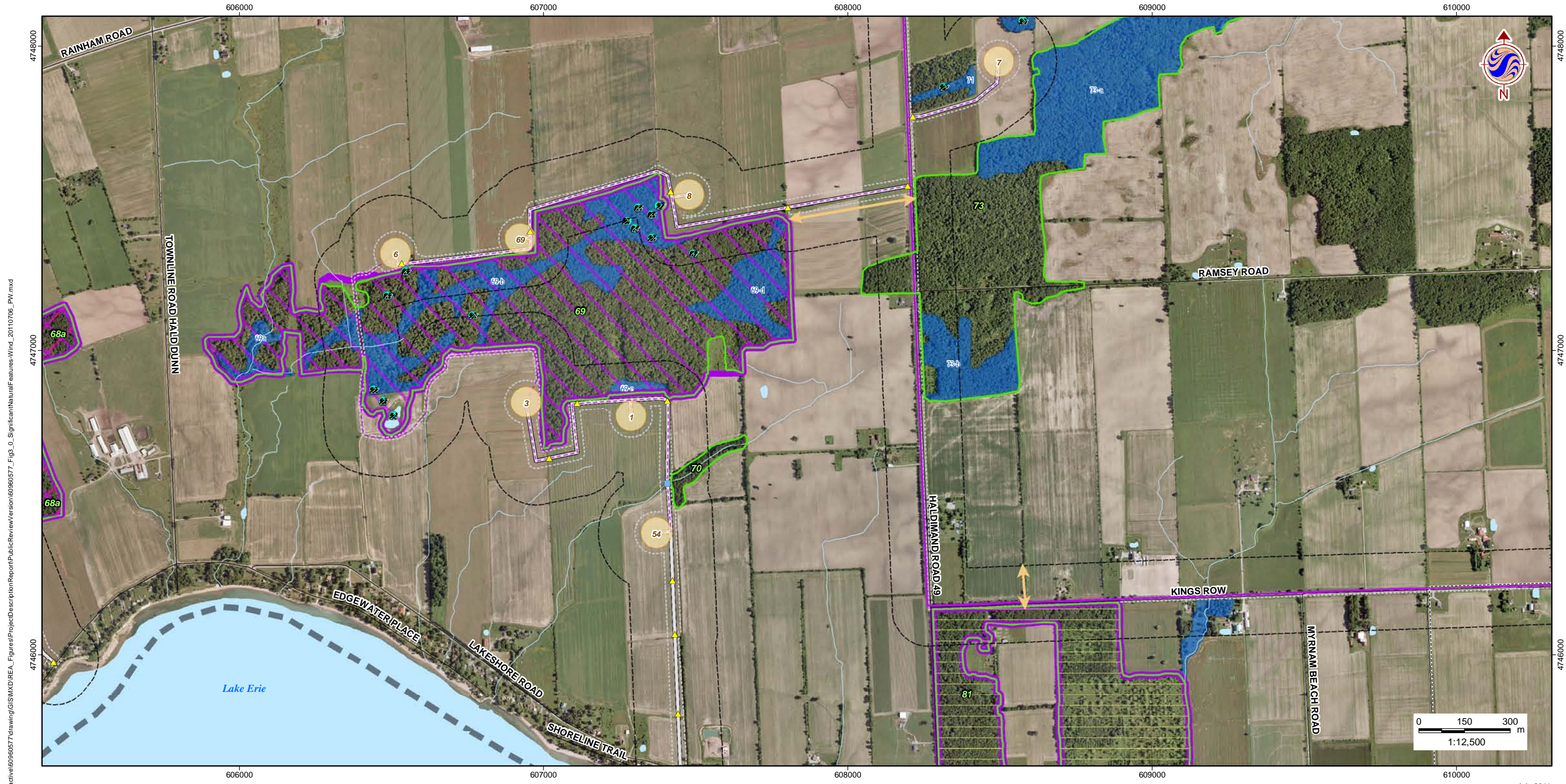
Client/Project  
**SAMSUNG, PATTERN & KEPCO (SPK)  
GRAND RENEWABLE ENERGY PARK**

Figure No.  
**3.14**

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Title  
**SIGNIFICANT NATURAL  
FEATURES - W14**





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**Legend**

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|--|--|---|--|
| <ul style="list-style-type: none"> <li> Study Area</li> <li> Zone of Investigation</li> <li> Constructable Area</li> <li><b>Wind Project Location</b></li> <li> Proposed Turbine Location</li> <li> Access Road</li> <li> Overhead Collector Line</li> <li> Underground Collector Line</li> <li><b>Solar Project Location</b></li> <li> Solar Lands</li> </ul> | <ul style="list-style-type: none"> <li><b>Transmission Line</b></li> <li> Overhead Transmission Line</li> <li> Underground Transmission Line</li> <li> Electrical Transmission Component</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Railway</li> <li> Abandoned Railway</li> <li> Transmission Line (MNR)</li> <li> Watercourse (MNR)</li> <li> Waterbody (MNR)</li> </ul> | <ul style="list-style-type: none"> <li><b>Wetland (MNR)</b></li> <li> Provincially Significant Wetland</li> <li> Non-Provincially Significant Wetland</li> <li><b>Significant Natural Features</b></li> <li> Significant Woodland</li> <li> Significant Wetland</li> <li> Significant Valleyland</li> <li><b>Significant Wildlife Habitat</b></li> <li> Deer Wintering Area</li> <li> Habitat for Declining/Area-Sensitive Grassland Species</li> <li> Winter Raptor Roosting &amp; Feeding Area</li> </ul> | <ul style="list-style-type: none"> <li> Seep</li> <li> Vernal Pool</li> <li> Rare Vegetation Community</li> <li> Snapping Turtle Habitat</li> <li> Animal Movement Corridor</li> <li> Waterfowl Stopover</li> <li> Migratory Landbird Habitat</li> <li> Habitat for Declining Woodland Species</li> <li> Area-Sensitive Species Woodland Habitat</li> <li> Short-Eared Owl Habitat</li> <li><b>Culverts</b></li> <li> Wildlife &amp; Flow Culvert</li> <li> Other Culvert</li> </ul> |
|--|--|---|--|

**Notes**

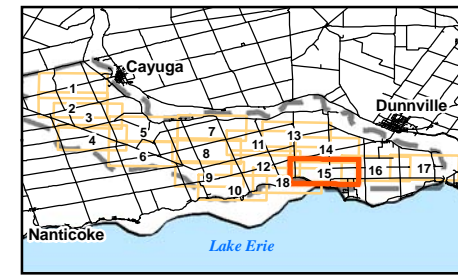
1. Coordinate System: UTM NAD 83 - Zone 17 (N).
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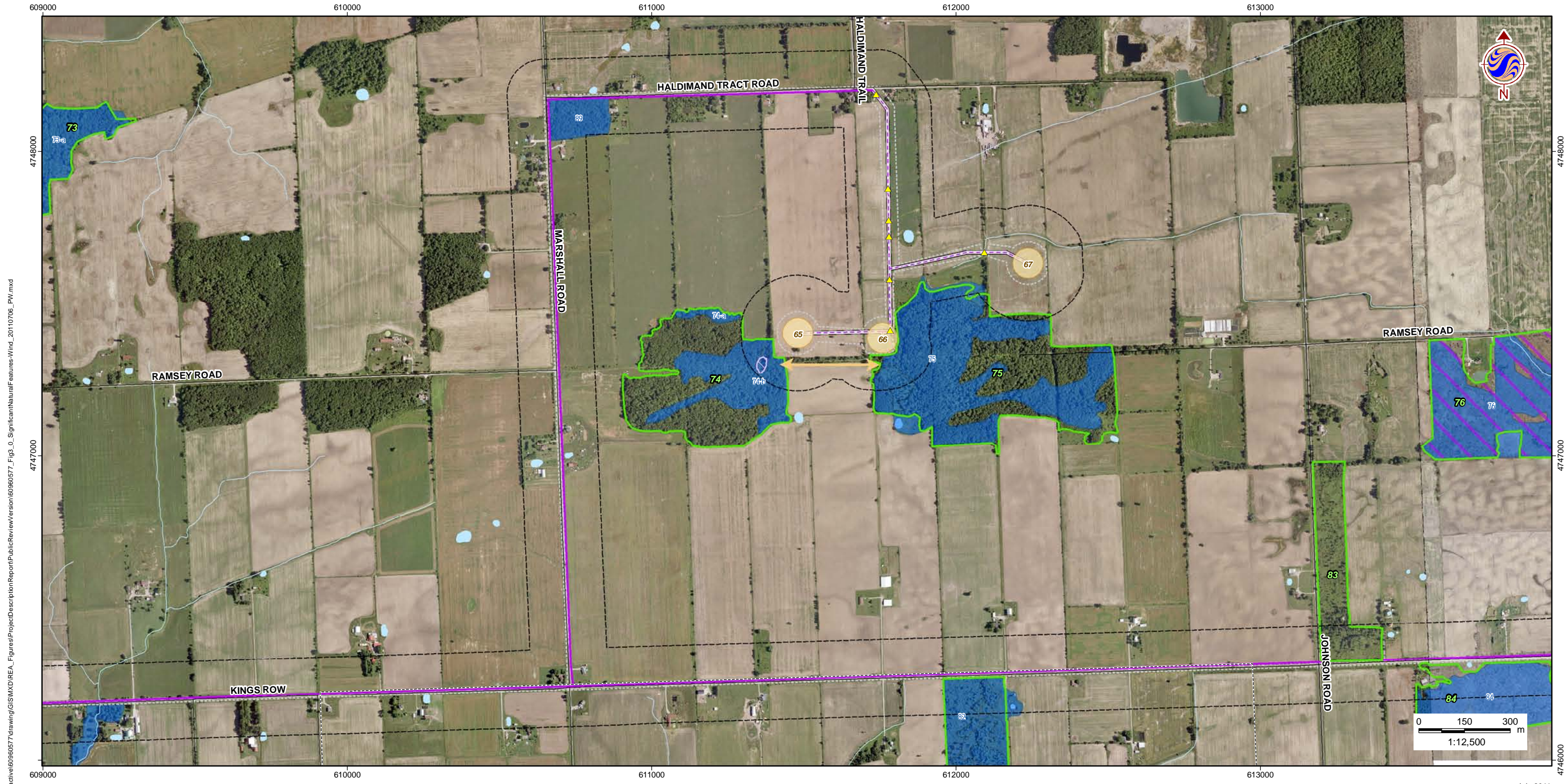
Client/Project  
**SAMSUNG, PATTERN & KEPCO (SPK)  
GRAND RENEWABLE ENERGY PARK**

Figure No.  
**3.15**

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Title  
**SIGNIFICANT NATURAL  
FEATURES - W15**





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**Legend**

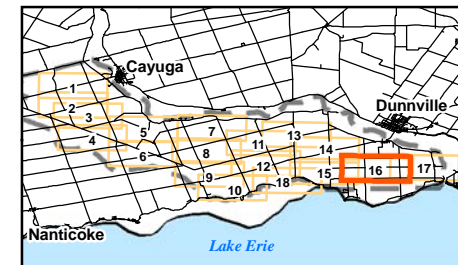
- Study Area
- Zone of Investigation
- Constructable Area
- Wind Project Location**
- Proposed Turbine Location
- Access Road
- Overhead Collector Line
- Underground Collector Line
- Solar Project Location**
- Solar Lands
- Transmission Line**
- Overhead Transmission Line
- Underground Transmission Line
- Electrical Transmission Component
- Existing Features**
- Road
- Railway
- Abandoned Railway
- Transmission Line (MNR)
- Watercourse (MNR)
- Waterbody (MNR)

- Wetland (MNR)**
- Provincially Significant Wetland
- Non-Provincially Significant Wetland
- Significant Natural Features**
- Significant Woodland
- Significant Wetland
- Significant Valleyland
- Significant Wildlife Habitat**
- Deer Wintering Area
- Habitat for Declining/Area-Sensitive Grassland Species
- Winter Raptor Roosting & Feeding Area

- Seep
- Vernal Pool
- Rare Vegetation Community
- Snapping Turtle Habitat
- Animal Movement Corridor
- Waterfowl Stopover
- Migratory Landbird Habitat
- Habitat for Declining Woodland Species
- Area-Sensitive Species Woodland Habitat
- Short-Eared Owl Habitat
- Culverts**
- Wildlife & Flow Culvert
- Other Culvert

**Notes**

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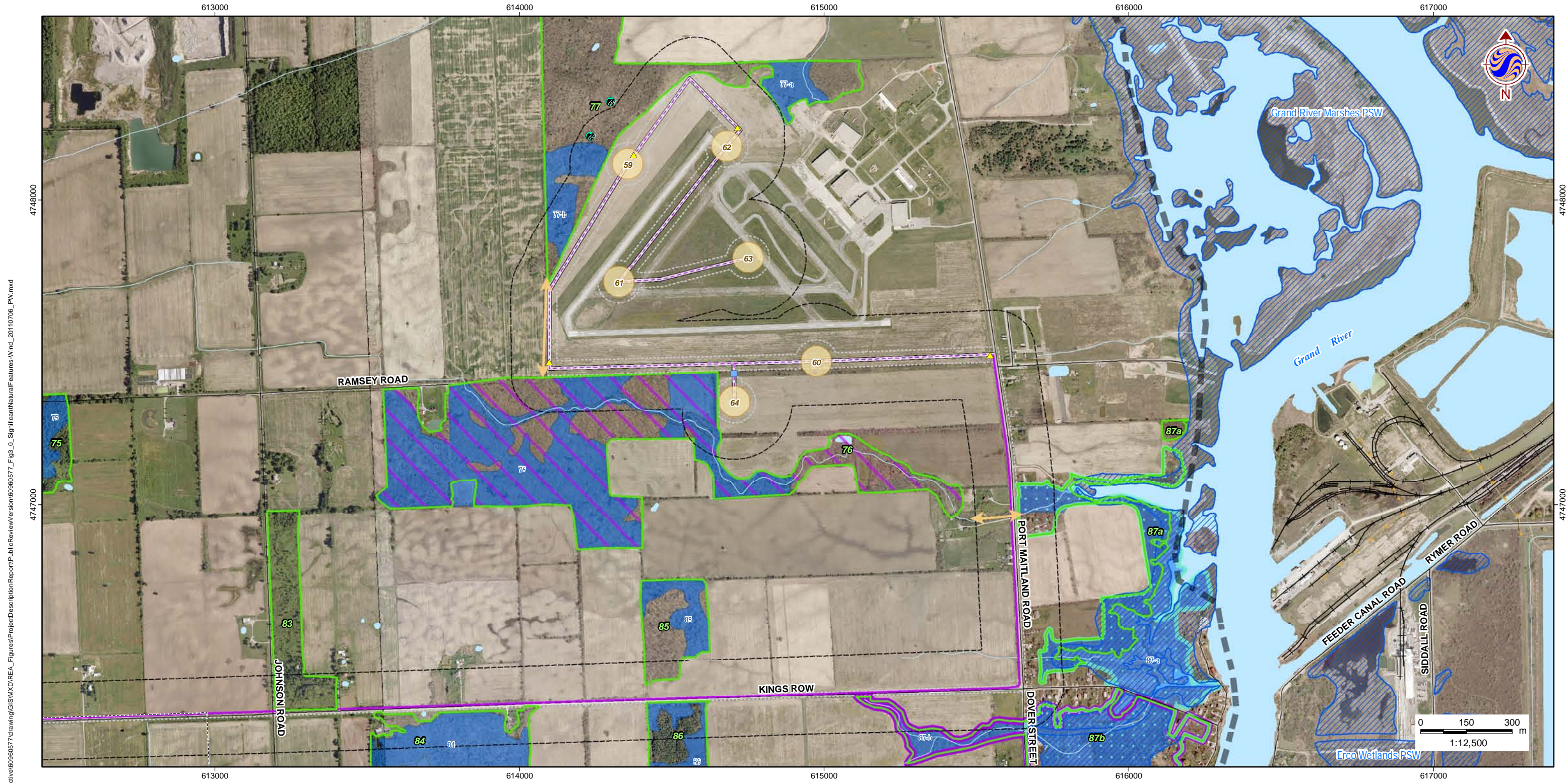


Client/Project  
**SAMSUNG, PATTERN & KEPKO (SPK)  
GRAND RENEWABLE ENERGY PARK**

Figure No.  
**3.16**

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Title  
**SIGNIFICANT NATURAL  
FEATURES - W16**



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**Legend**

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|--|--|---|--|
| <ul style="list-style-type: none"> <li> Study Area</li> <li> Zone of Investigation</li> <li> Constructable Area</li> <li><b>Wind Project Location</b></li> <li> Proposed Turbine Location</li> <li> Access Road</li> <li> Overhead Collector Line</li> <li> Underground Collector Line</li> <li><b>Solar Project Location</b></li> <li> Solar Lands</li> </ul> | <ul style="list-style-type: none"> <li><b>Transmission Line</b></li> <li> Overhead Transmission Line</li> <li> Underground Transmission Line</li> <li> Electrical Transmission Component</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Railway</li> <li> Abandoned Railway</li> <li> Transmission Line (MNR)</li> <li> Watercourse (MNR)</li> <li> Waterbody (MNR)</li> </ul> | <ul style="list-style-type: none"> <li><b>Wetland (MNR)</b></li> <li> Provincially Significant Wetland</li> <li> Non-Provincially Significant Wetland</li> <li><b>Significant Natural Features</b></li> <li> Significant Woodland</li> <li> Significant Wetland 9-a</li> <li> Significant Valleyland</li> <li><b>Significant Wildlife Habitat</b></li> <li> Deer Wintering Area</li> <li> Habitat for Declining/Area-Sensitive Grassland Species</li> <li> Winter Raptor Roosting &amp; Feeding Area</li> </ul> | <ul style="list-style-type: none"> <li> Seep</li> <li> Vernal Pool</li> <li> Rare Vegetation Community</li> <li> Snapping Turtle Habitat</li> <li> Animal Movement Corridor</li> <li> Waterfowl Stopover</li> <li> Migratory Landbird Habitat</li> <li> Habitat for Declining Woodland Species</li> <li> Area-Sensitive Species Woodland Habitat</li> <li> Short-Eared Owl Habitat</li> <li><b>Culverts</b></li> <li> Wildlife &amp; Flow Culvert</li> <li> Other Culvert</li> </ul> |
|--|--|---|--|

**Notes**

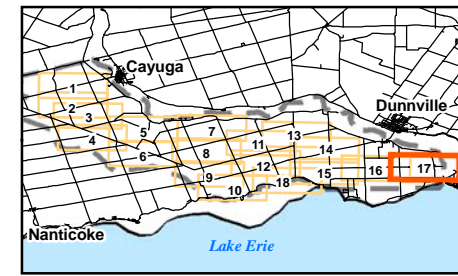
1. Coordinate System: UTM NAD 83 - Zone 17 (N).
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3. Image Source: © Terrapoint, 2011 - Imagery Date: July 2009; Grand River Conservation Authority © First Base Solutions, 2011 - Imagery Date: Spring 2006.

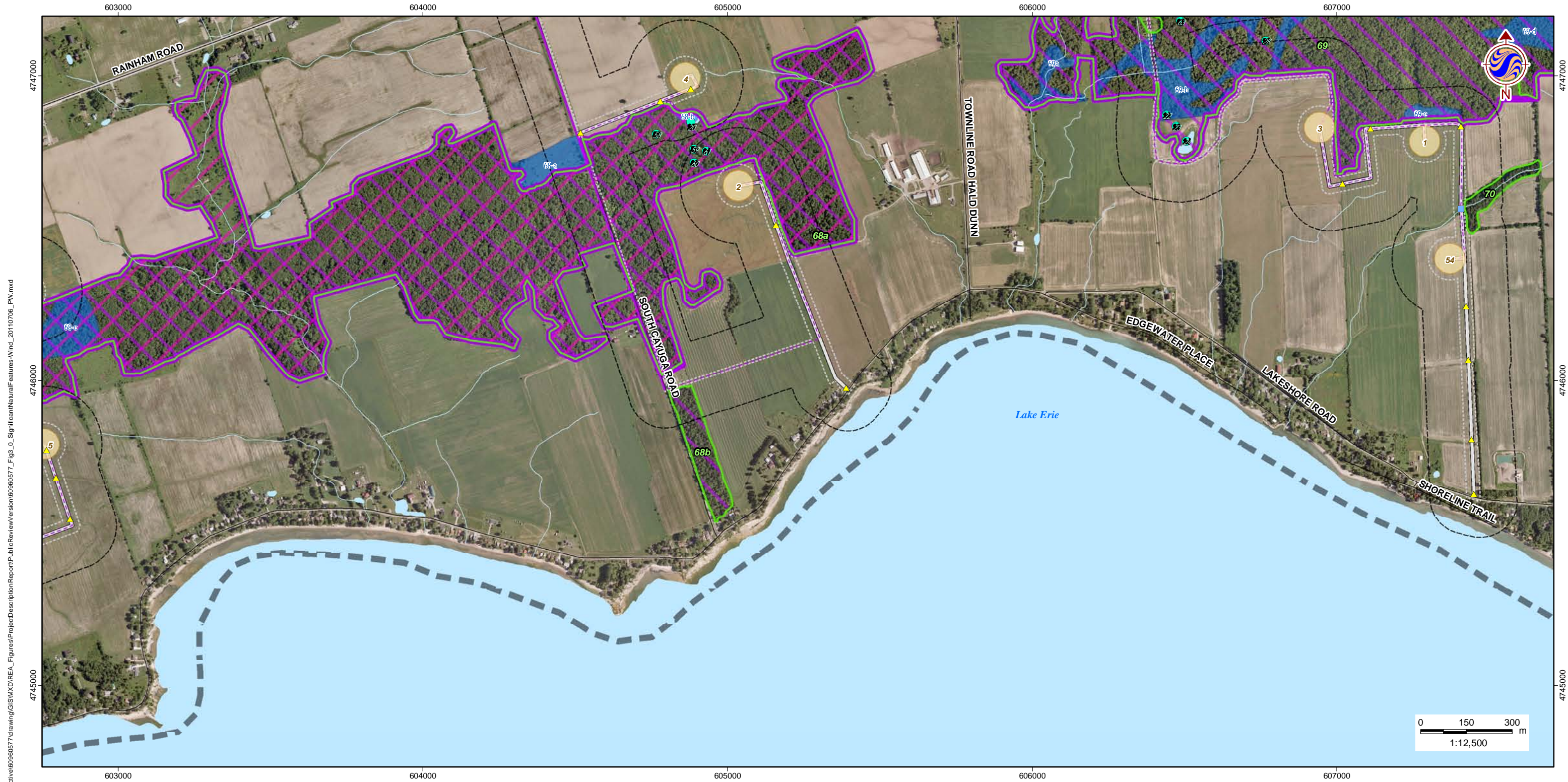
Client/Project  
**SAMSUNG, PATTERN & KEPCO (SPK)  
GRAND RENEWABLE ENERGY PARK**

Figure No.  
**3.17**

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Title  
**SIGNIFICANT NATURAL  
FEATURES - W17**





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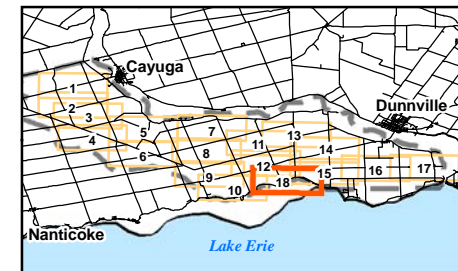


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|--|--|---|--|
| <ul style="list-style-type: none"> <li> Study Area</li> <li> Zone of Investigation</li> <li> Constructable Area</li> <li><b>Wind Project Location</b></li> <li> Proposed Turbine Location</li> <li> Access Road</li> <li> Overhead Collector Line</li> <li> Underground Collector Line</li> <li><b>Solar Project Location</b></li> <li> Solar Lands</li> </ul> | <ul style="list-style-type: none"> <li><b>Transmission Line</b></li> <li> Overhead Transmission Line</li> <li> Underground Transmission Line</li> <li> Electrical Transmission Component</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Railway</li> <li> Abandoned Railway</li> <li> Transmission Line (MNR)</li> <li> Watercourse (MNR)</li> <li> Waterbody (MNR)</li> </ul> | <ul style="list-style-type: none"> <li><b>Wetland (MNR)</b></li> <li> Provincially Significant Wetland</li> <li> Non-Provincially Significant Wetland</li> <li><b>Significant Natural Features</b></li> <li> Significant Woodland</li> <li> Significant Wetland</li> <li> Significant Valleyland</li> <li><b>Significant Wildlife Habitat</b></li> <li> Deer Wintering Area</li> <li> Habitat for Declining/Area-Sensitive Grassland Species</li> <li> Winter Raptor Roosting &amp; Feeding Area</li> </ul> | <ul style="list-style-type: none"> <li> Seep</li> <li> Vernal Pool</li> <li> Rare Vegetation Community</li> <li> Snapping Turtle Habitat</li> <li> Animal Movement Corridor</li> <li> Waterfowl Stopover</li> <li> Migratory Landbird Habitat</li> <li> Habitat for Declining Woodland Species</li> <li> Area-Sensitive Species Woodland Habitat</li> <li> Short-Eared Owl Habitat</li> <li><b>Culverts</b></li> <li> Wildlife &amp; Flow Culvert</li> <li> Other Culvert</li> </ul> |
|--|--|---|--|

**Notes**

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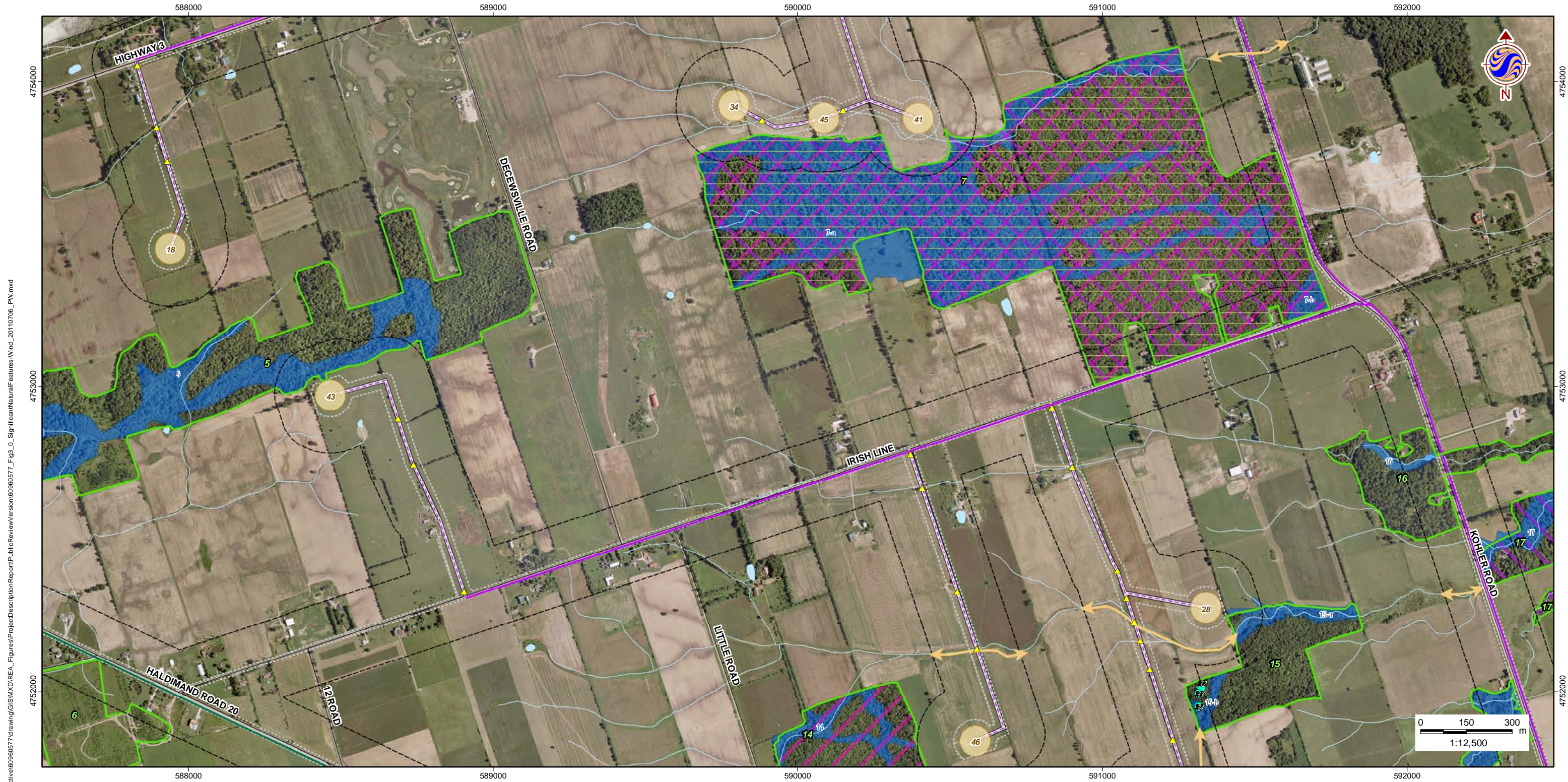


Client/Project  
**SAMSUNG, PATTERN & KEPCO (SPK)  
GRAND RENEWABLE ENERGY PARK**

Figure No.  
**3.18**

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Title  
**SIGNIFICANT NATURAL  
FEATURES - W18**



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**Legend**

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|--|--|---|--|
| <ul style="list-style-type: none"> <li> Study Area</li> <li> Zone of Investigation</li> <li> Constructable Area</li> <li><b>Wind Project Location</b></li> <li> Proposed Turbine Location</li> <li> Access Road</li> <li> Overhead Collector Line</li> <li> Underground Collector Line</li> <li><b>Solar Project Location</b></li> <li> Solar Lands</li> </ul> | <ul style="list-style-type: none"> <li><b>Transmission Line</b></li> <li> Overhead Transmission Line</li> <li> Underground Transmission Line</li> <li> Electrical Transmission Component</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Railway</li> <li> Abandoned Railway</li> <li> Transmission Line (MNR)</li> <li> Watercourse (MNR)</li> <li> Waterbody (MNR)</li> </ul> | <ul style="list-style-type: none"> <li><b>Wetland (MNR)</b></li> <li> Provincially Significant Wetland</li> <li> Non-Provincially Significant Wetland</li> <li><b>Significant Natural Features</b></li> <li> Significant Woodland</li> <li> Significant Wetland</li> <li> Significant Valleyland</li> <li><b>Significant Wildlife Habitat</b></li> <li> Deer Wintering Area</li> <li> Habitat for Declining/Area-Sensitive Grassland Species</li> <li> Winter Raptor Roosting &amp; Feeding Area</li> </ul> | <ul style="list-style-type: none"> <li> Seep</li> <li> Vernal Pool</li> <li> Rare Vegetation Community</li> <li> Snapping Turtle Habitat</li> <li> Animal Movement Corridor</li> <li> Waterfowl Stopover</li> <li> Migratory Landbird Habitat</li> <li> Habitat for Declining Woodland Species</li> <li> Area-Sensitive Species Woodland Habitat</li> <li> Short-Eared Owl Habitat</li> <li><b>Culverts</b></li> <li> Wildlife &amp; Flow Culvert</li> <li> Other Culvert</li> </ul> |
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**Notes**

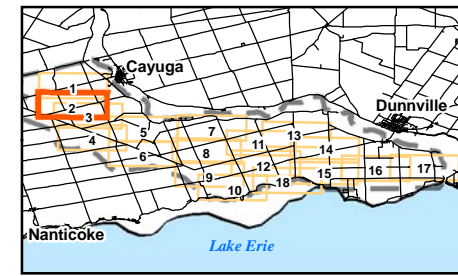
1. Coordinate System: UTM NAD 83 - Zone 17 (N).
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3. Image Source: © Terrapoint, 2011 - Imagery Date: July 2009; Grand River Conservation Authority © First Base Solutions, 2011 - Imagery Date: Spring 2006.

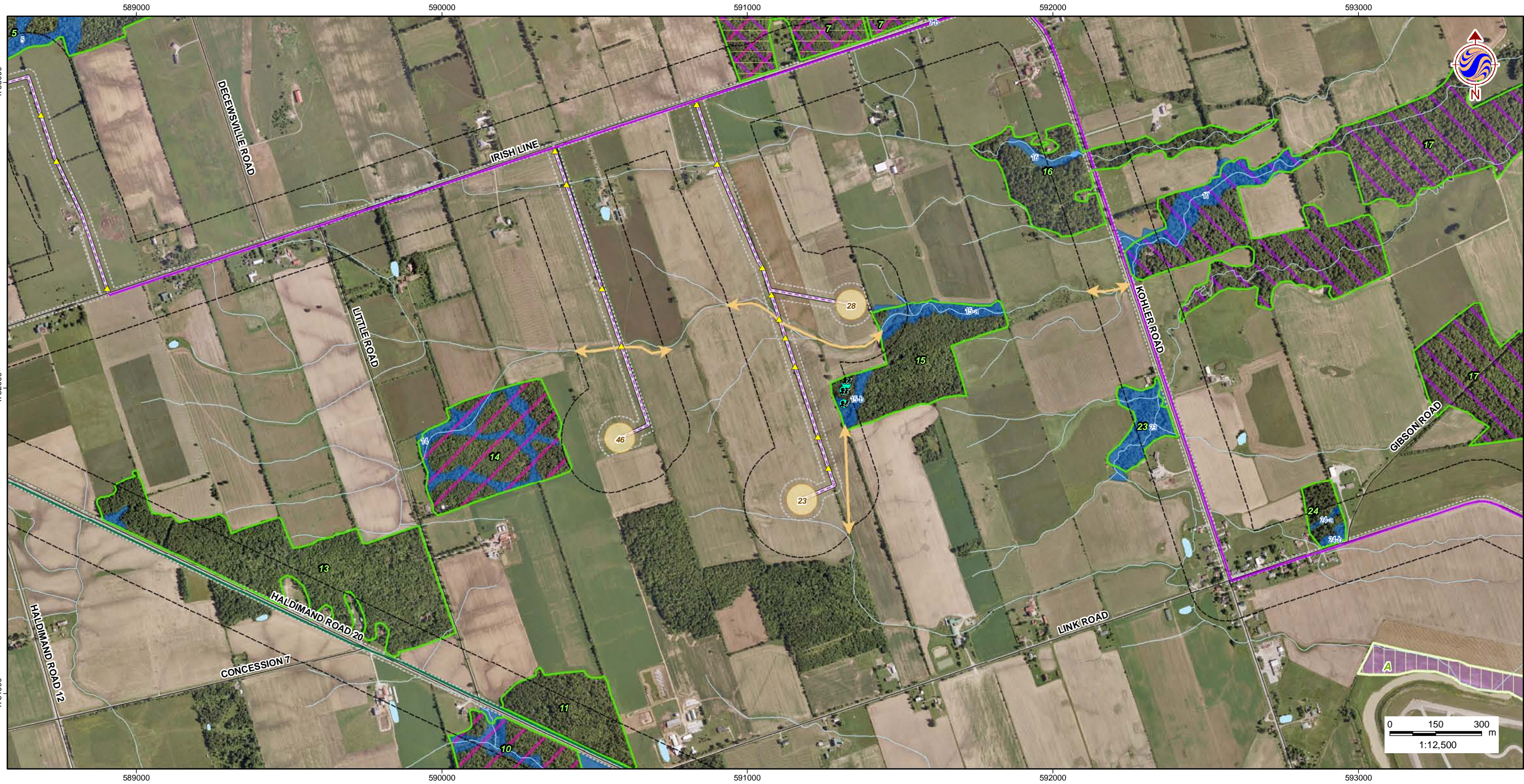
Client/Project  
**SAMSUNG, PATTERN & KEPCO (SPK)  
GRAND RENEWABLE ENERGY PARK**

Figure No.  
**3.2**

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Title  
**SIGNIFICANT NATURAL  
FEATURES - W2**





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**Legend**

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|--|--|---|--|
| <ul style="list-style-type: none"> <li> Study Area</li> <li> Zone of Investigation</li> <li> Constructable Area</li> <li><b>Wind Project Location</b></li> <li> Proposed Turbine Location</li> <li> Access Road</li> <li> Overhead Collector Line</li> <li> Underground Collector Line</li> <li><b>Solar Project Location</b></li> <li> Solar Lands</li> </ul> | <ul style="list-style-type: none"> <li><b>Transmission Line</b></li> <li> Overhead Transmission Line</li> <li> Underground Transmission Line</li> <li> Electrical Transmission Component</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Railway</li> <li> Abandoned Railway</li> <li> Transmission Line (MNR)</li> <li> Watercourse (MNR)</li> <li> Waterbody (MNR)</li> </ul> | <ul style="list-style-type: none"> <li><b>Wetland (MNR)</b></li> <li> Provincially Significant Wetland</li> <li> Non-Provincially Significant Wetland</li> <li><b>Significant Natural Features</b></li> <li> Significant Woodland</li> <li> Significant Wetland 9-a</li> <li> Significant Valleyland</li> <li><b>Significant Wildlife Habitat</b></li> <li> Deer Wintering Area</li> <li> Habitat for Declining/Area-Sensitive Grassland Species</li> <li> Winter Raptor Roosting &amp; Feeding Area</li> </ul> | <ul style="list-style-type: none"> <li> Seep</li> <li> Vernal Pool</li> <li> Rare Vegetation Community</li> <li> Snapping Turtle Habitat</li> <li> Animal Movement Corridor</li> <li> Waterfowl Stopover</li> <li> Migratory Landbird Habitat</li> <li> Habitat for Declining Woodland Species</li> <li> Area-Sensitive Species Woodland Habitat</li> <li> Short-Eared Owl Habitat</li> <li><b>Culverts</b></li> <li> Wildlife &amp; Flow Culvert</li> <li> Other Culvert</li> </ul> |
|--|--|---|--|

**Notes**

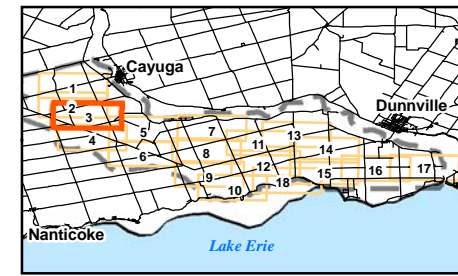
1. Coordinate System: UTM NAD 83 - Zone 17 (N).
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Client/Project  
**SAMSUNG, PATTERN & KEPCO (SPK)  
GRAND RENEWABLE ENERGY PARK**

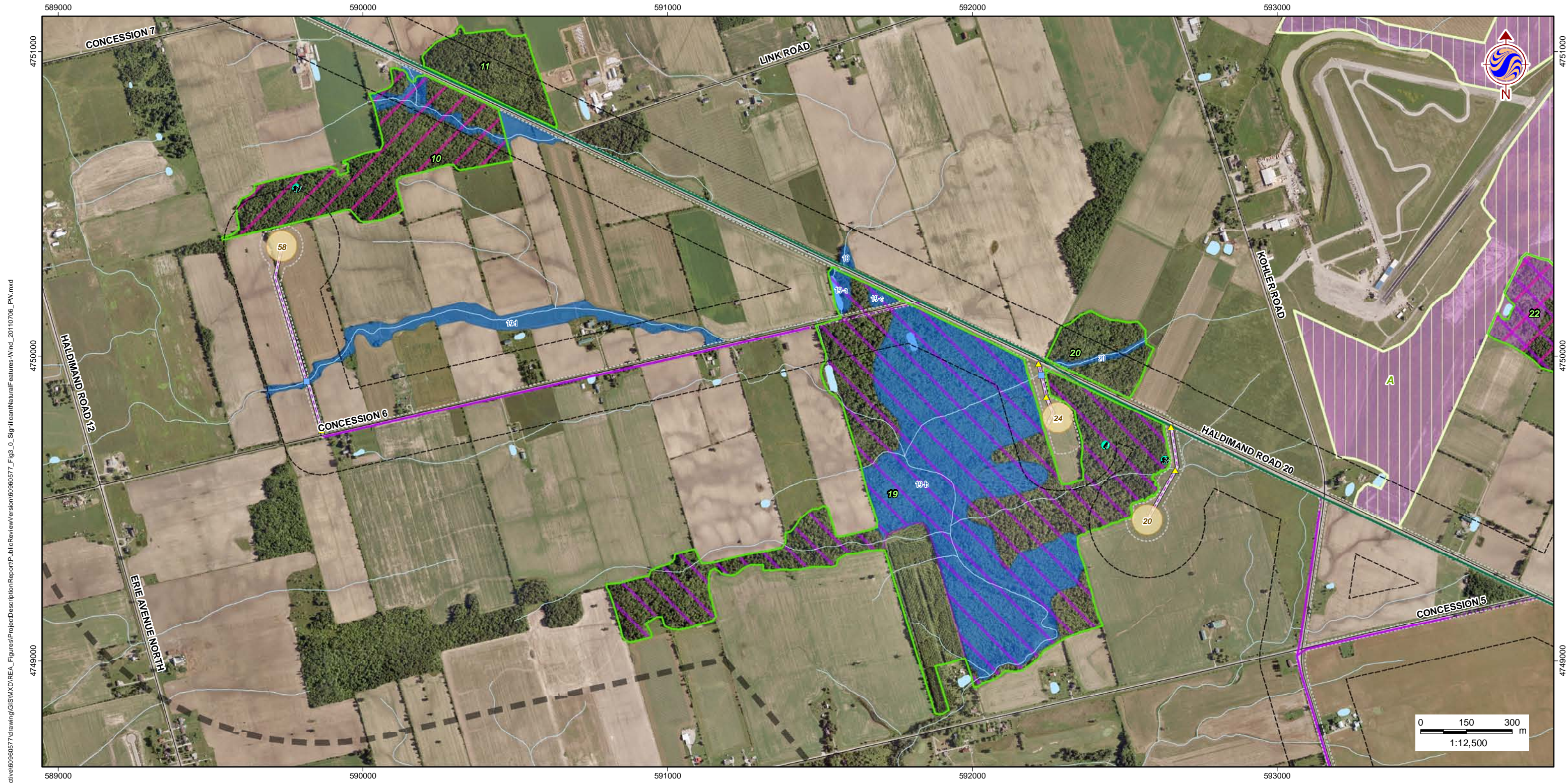
Figure No.  
**3.3**

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Title  
**SIGNIFICANT NATURAL  
FEATURES - W3**







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**Legend**

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| <ul style="list-style-type: none"> <li> Study Area</li> <li> Zone of Investigation</li> <li> Constructable Area</li> <li><b>Wind Project Location</b></li> <li> Proposed Turbine Location</li> <li> Access Road</li> <li> Overhead Collector Line</li> <li> Underground Collector Line</li> <li><b>Solar Project Location</b></li> <li> Solar Lands</li> </ul> | <ul style="list-style-type: none"> <li><b>Transmission Line</b></li> <li> Overhead Transmission Line</li> <li> Underground Transmission Line</li> <li> Electrical Transmission Component</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Railway</li> <li> Abandoned Railway</li> <li> Transmission Line (MNR)</li> <li> Watercourse (MNR)</li> <li> Waterbody (MNR)</li> </ul> | <ul style="list-style-type: none"> <li><b>Wetland (MNR)</b></li> <li> Provincially Significant Wetland</li> <li> Non-Provincially Significant Wetland</li> <li><b>Significant Natural Features</b></li> <li> Significant Woodland</li> <li> Significant Wetland</li> <li> Significant Valleyland</li> <li><b>Significant Wildlife Habitat</b></li> <li> Deer Wintering Area</li> <li> Habitat for Declining/Area-Sensitive Grassland Species</li> <li> Winter Raptor Roosting &amp; Feeding Area</li> </ul> | <ul style="list-style-type: none"> <li> Seep</li> <li> Vernal Pool</li> <li> Rare Vegetation Community</li> <li> Snapping Turtle Habitat</li> <li> Animal Movement Corridor</li> <li> Waterfowl Stopover</li> <li> Migratory Landbird Habitat</li> <li> Habitat for Declining Woodland Species</li> <li> Area-Sensitive Species Woodland Habitat</li> <li> Short-Eared Owl Habitat</li> <li><b>Culverts</b></li> <li> Wildlife &amp; Flow Culvert</li> <li> Other Culvert</li> </ul> |
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**Notes**

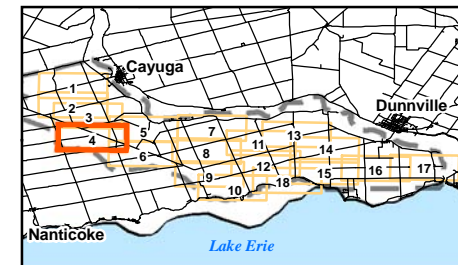
1. Coordinate System: UTM NAD 83 - Zone 17 (N).
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Client/Project  
**SAMSUNG, PATTERN & KEPCO (SPK)  
GRAND RENEWABLE ENERGY PARK**

Figure No.  
**3.4**

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Title  
**SIGNIFICANT NATURAL  
FEATURES - W4**





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**Legend**

- Study Area
- Zone of Investigation
- Constructable Area
- Wind Project Location**
- Proposed Turbine Location
- Access Road
- Overhead Collector Line
- Underground Collector Line
- Solar Project Location**
- Solar Lands
- Transmission Line**
- Overhead Transmission Line
- Underground Transmission Line
- Electrical Transmission Component
- Existing Features**
- Road
- Railway
- Abandoned Railway
- Transmission Line (MNR)
- Watercourse (MNR)
- Waterbody (MNR)

- Wetland (MNR)**
- Provincially Significant Wetland
- Non-Provincially Significant Wetland
- Significant Natural Features**
- Significant Woodland
- Significant Wetland
- Significant Valleyland
- Significant Wildlife Habitat**
- Deer Wintering Area
- Habitat for Declining/Area-Sensitive Grassland Species
- Winter Raptor Roosting & Feeding Area

- Seep
- Vernal Pool
- Rare Vegetation Community
- Snapping Turtle Habitat
- Animal Movement Corridor
- Waterfowl Stopover
- Migratory Landbird Habitat
- Habitat for Declining Woodland Species
- Area-Sensitive Species Woodland Habitat
- Short-Eared Owl Habitat
- Culverts**
- Wildlife & Flow Culvert
- Other Culvert

**Notes**

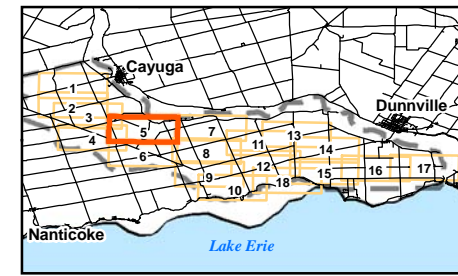
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Client/Project  
**SAMSUNG, PATTERN & KEPCO (SPK)  
GRAND RENEWABLE ENERGY PARK**

Figure No.  
**3.5**

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Title  
**SIGNIFICANT NATURAL  
FEATURES - W5**





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| <ul style="list-style-type: none"> <li> Study Area</li> <li> Zone of Investigation</li> <li> Constructable Area</li> <li><b>Wind Project Location</b></li> <li> Proposed Turbine Location</li> <li> Access Road</li> <li> Overhead Collector Line</li> <li> Underground Collector Line</li> <li><b>Solar Project Location</b></li> <li> Solar Lands</li> </ul> | <ul style="list-style-type: none"> <li><b>Transmission Line</b></li> <li> Overhead Transmission Line</li> <li> Underground Transmission Line</li> <li> Electrical Transmission Component</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Railway</li> <li> Abandoned Railway</li> <li> Transmission Line (MNR)</li> <li> Watercourse (MNR)</li> <li> Waterbody (MNR)</li> </ul> | <ul style="list-style-type: none"> <li><b>Wetland (MNR)</b></li> <li> Provincially Significant Wetland</li> <li> Non-Provincially Significant Wetland</li> <li><b>Significant Natural Features</b></li> <li> Significant Woodland</li> <li> Significant Wetland 9-a</li> <li> Significant Valleyland</li> <li><b>Significant Wildlife Habitat</b></li> <li> Deer Wintering Area</li> <li> Habitat for Declining/Area-Sensitive Grassland Species</li> <li> Winter Raptor Roosting &amp; Feeding Area</li> </ul> | <ul style="list-style-type: none"> <li> Seep</li> <li> Vernal Pool</li> <li> Rare Vegetation Community</li> <li> Snapping Turtle Habitat</li> <li> Animal Movement Corridor</li> <li> Waterfowl Stopover</li> <li> Migratory Landbird Habitat</li> <li> Habitat for Declining Woodland Species</li> <li> Area-Sensitive Species Woodland Habitat</li> <li> Short-Eared Owl Habitat</li> <li><b>Culverts</b></li> <li> Wildlife &amp; Flow Culvert</li> <li> Other Culvert</li> </ul> |
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**Notes**

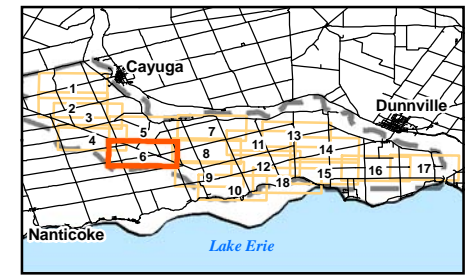
1. Coordinate System: UTM NAD 83 - Zone 17 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queens Printer Ontario, 2011; © Samsung, 2011.
3. Image Source: © Terrapoint, 2011 - Imagery Date: July 2009; Grand River Conservation Authority © First Base Solutions, 2011 - Imagery Date: Spring 2006.

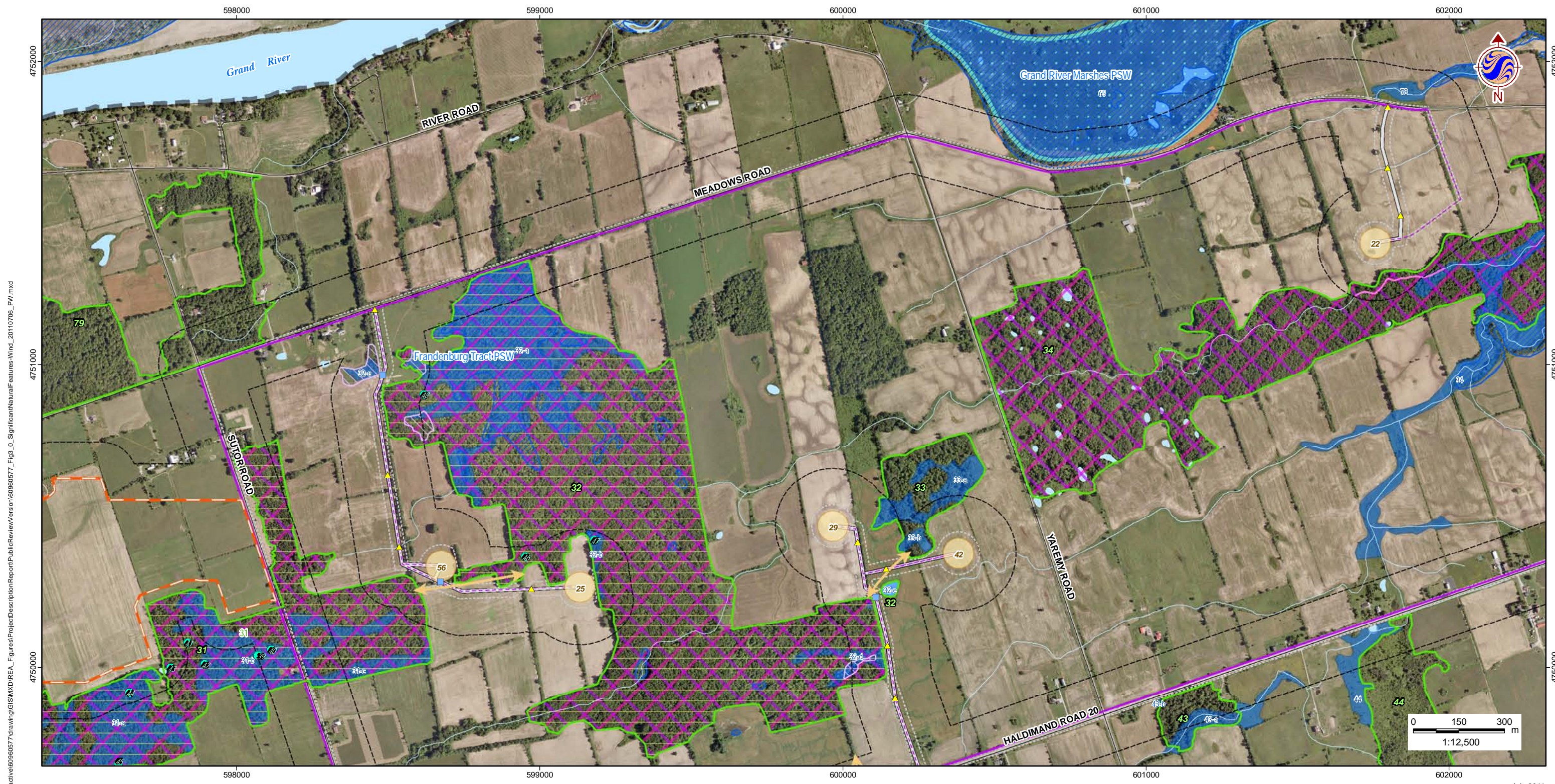
Client/Project  
**SAMSUNG, PATTERN & KEPCO (SPK)  
GRAND RENEWABLE ENERGY PARK**

Figure No.  
**3.6**

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Title  
**SIGNIFICANT NATURAL  
FEATURES - W6**





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**Legend**

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**Notes**

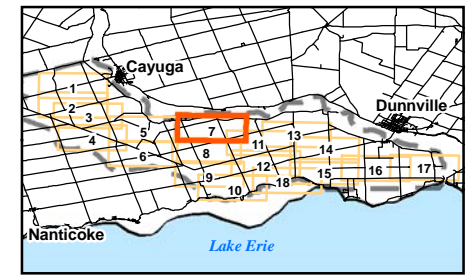
1. Coordinate System: UTM NAD 83 - Zone 17 (N).
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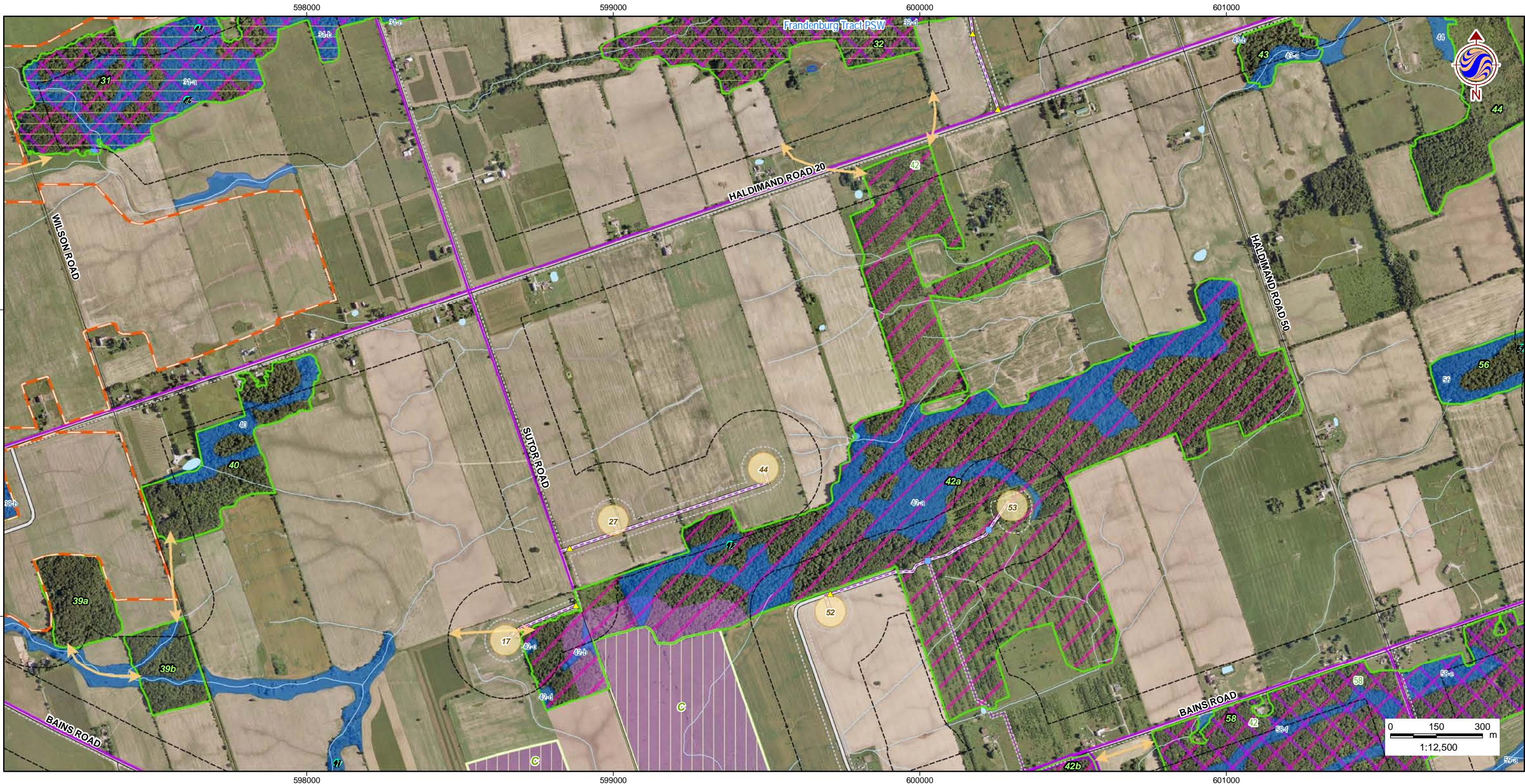
Client/Project  
**SAMSUNG, PATTERN & KEPCO (SPK)  
GRAND RENEWABLE ENERGY PARK**

Figure No.  
**3.7**

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Title  
**SIGNIFICANT NATURAL  
FEATURES - W7**





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**Legend**

- Study Area
- Zone of Investigation
- Constructable Area
- Wind Project Location**
- Proposed Turbine Location
- Access Road
- Overhead Collector Line
- Underground Collector Line
- Solar Project Location**
- Solar Lands

- Transmission Line**
- Overhead Transmission Line
- Underground Transmission Line
- Electrical Transmission Component
- Existing Features**
- Road
- Railway
- Abandoned Railway
- Transmission Line (MNR)
- Watercourse (MNR)
- Waterbody (MNR)

- Wetland (MNR)**
- Provincially Significant Wetland
- Non-Provincially Significant Wetland
- Significant Natural Features**
- Significant Woodland
- Significant Wetland
- Significant Valleyland
- Significant Wildlife Habitat**
- Deer Wintering Area
- Habitat for Declining/Area-Sensitive Grassland Species
- Winter Raptor Roosting & Feeding Area

- Seep
- Vernal Pool
- Rare Vegetation Community
- Snapping Turtle Habitat
- Animal Movement Corridor
- Waterfowl Stopover
- Migratory Landbird Habitat
- Habitat for Declining Woodland Species
- Area-Sensitive Species Woodland Habitat
- Short-Eared Owl Habitat
- Culverts**
- Wildlife & Flow Culvert
- Other Culvert

**Notes**

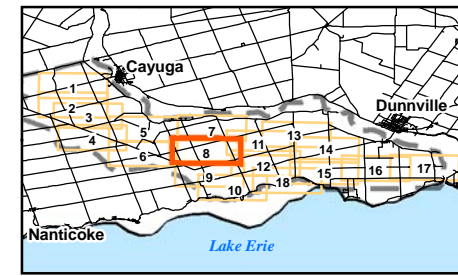
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GRAND RENEWABLE ENERGY PARK**

Figure No.  
**3.8**

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Title  
**SIGNIFICANT NATURAL  
FEATURES - W8**





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**Legend**

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**Notes**

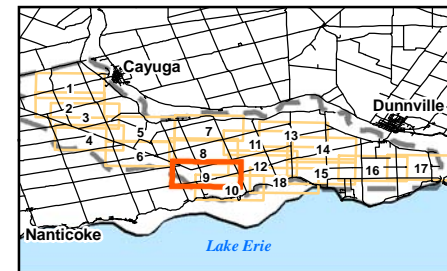
1. Coordinate System: UTM NAD 83 - Zone 17 (N).
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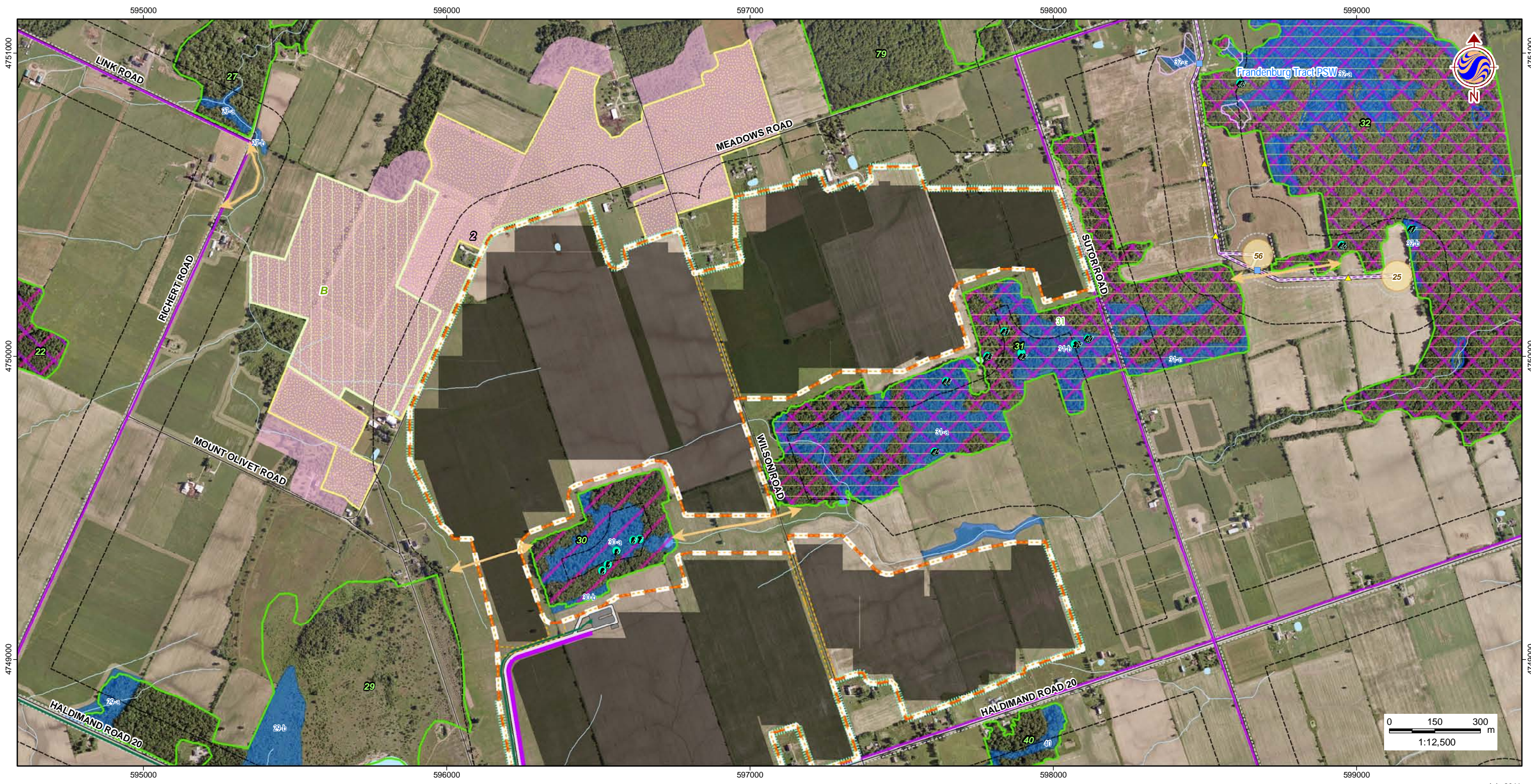
Client/Project  
**SAMSUNG, PATTERN & KEPCO (SPK)  
GRAND RENEWABLE ENERGY PARK**

Figure No.  
**3.9**

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Title  
**SIGNIFICANT NATURAL  
FEATURES - W9**





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**Legend**

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| <ul style="list-style-type: none"> <li> Study Area</li> <li> Zone of Investigation</li> <li> Constructable Area</li> <li><b>Wind Project Location</b></li> <li> Proposed Turbine Location</li> <li> Access Road</li> <li> Overhead Collector Line</li> <li> Underground Collector Line</li> <li><b>Solar Project Location</b></li> <li> Solar Lands</li> <li> Solar Panel Unit</li> <li> Solar Berm</li> <li> Solar Fence</li> </ul> | <ul style="list-style-type: none"> <li><b>Transmission Line</b></li> <li> Overhead Transmission Line</li> <li> Underground Transmission Line</li> <li> Electrical Transmission Component</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Railway</li> <li> Abandoned Railway</li> <li> Transmission Line (MNR)</li> <li> Watercourse (MNR)</li> <li> Waterbody (MNR)</li> </ul> | <ul style="list-style-type: none"> <li><b>Wetland (MNR)</b></li> <li> Provincially Significant Wetland</li> <li> Non-Provincially Significant Wetland</li> <li><b>Significant Natural Features</b></li> <li> Significant Woodland</li> <li> Significant Wetland</li> <li> Significant Valleyland</li> <li><b>Significant Wildlife Habitat</b></li> <li> Deer Wintering Area</li> <li> Habitat for Declining/Area-Sensitive Grassland Species</li> <li> Significant Winter Raptor Feeding &amp; Roosting Habitat</li> </ul> | <ul style="list-style-type: none"> <li> Seep</li> <li> Vernal Pool</li> <li> Rare Vegetation Community</li> <li> Snapping Turtle Habitat</li> <li> Animal Movement Corridor</li> <li> Waterfowl Stopover</li> <li> Migratory Landbird Habitat</li> <li> Habitat for Declining Woodland Species</li> <li> Area-Sensitive Species Woodland Habitat</li> <li> Short-Eared Owl Habitat</li> <li><b>Culverts</b></li> <li> Wildlife &amp; Flow Culvert</li> <li> Other Culvert</li> </ul> |
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**Notes**

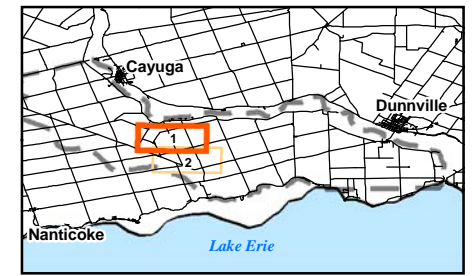
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GRAND RENEWABLE ENERGY PARK**

Figure No.  
**4.1**

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Title  
**SIGNIFICANT NATURAL  
FEATURES - S1**





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**Notes**

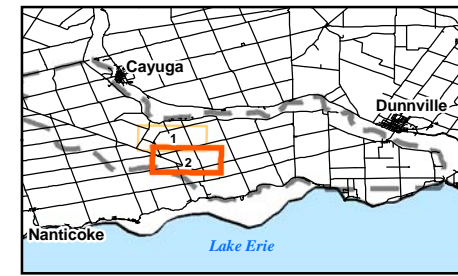
1. Coordinate System: UTM NAD 83 - Zone 17 (N).
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**SAMSUNG, PATTERN & KEPCO (SPK)  
GRAND RENEWABLE ENERGY PARK**

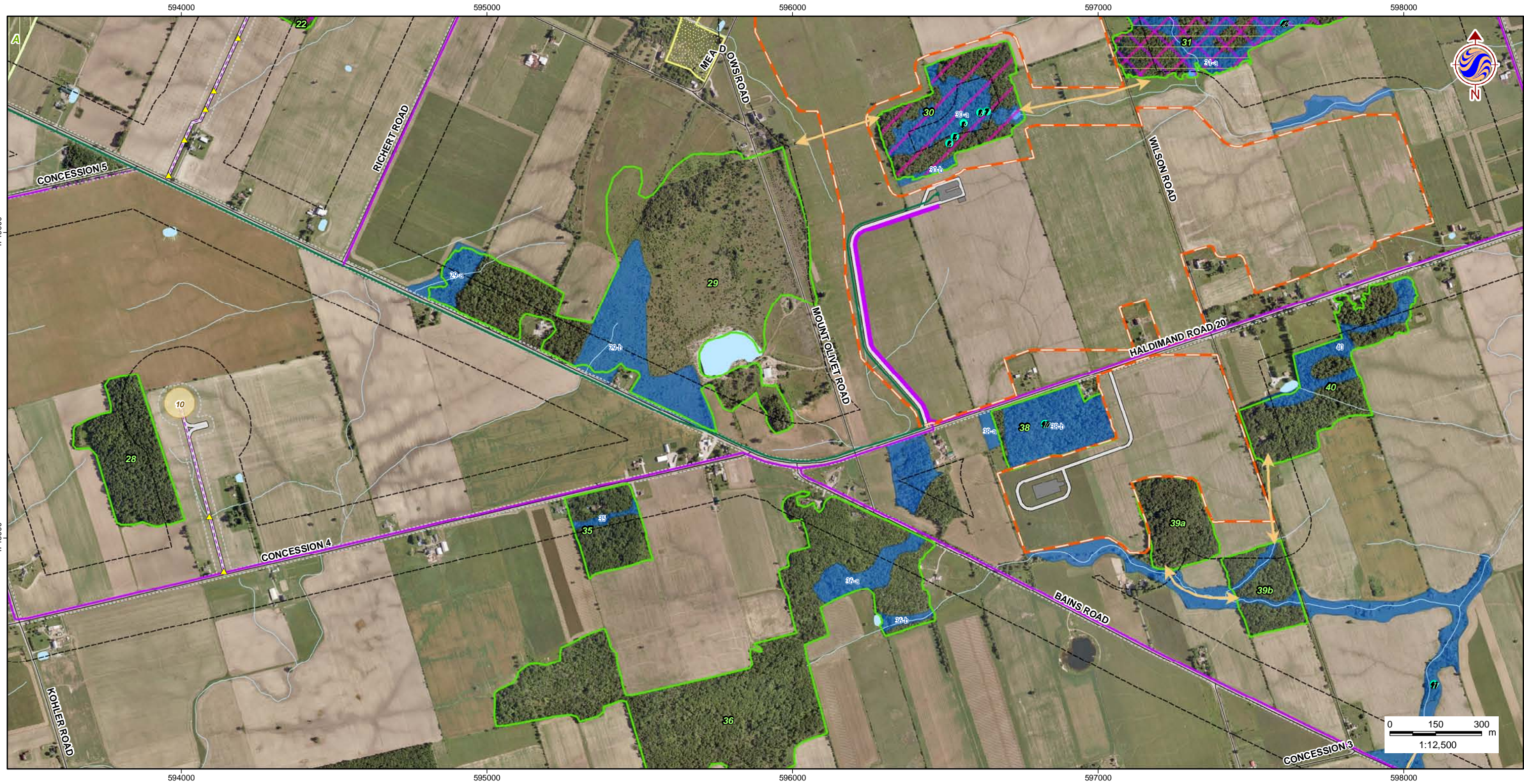
Figure No.  
**4.2**

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Title  
**SIGNIFICANT NATURAL  
FEATURES - S2**







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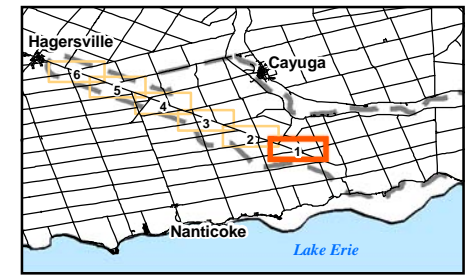


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**Notes**

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Client/Project  
**SAMSUNG, PATTERN & KEPCO (SPK)  
 GRAND RENEWABLE ENERGY PARK**

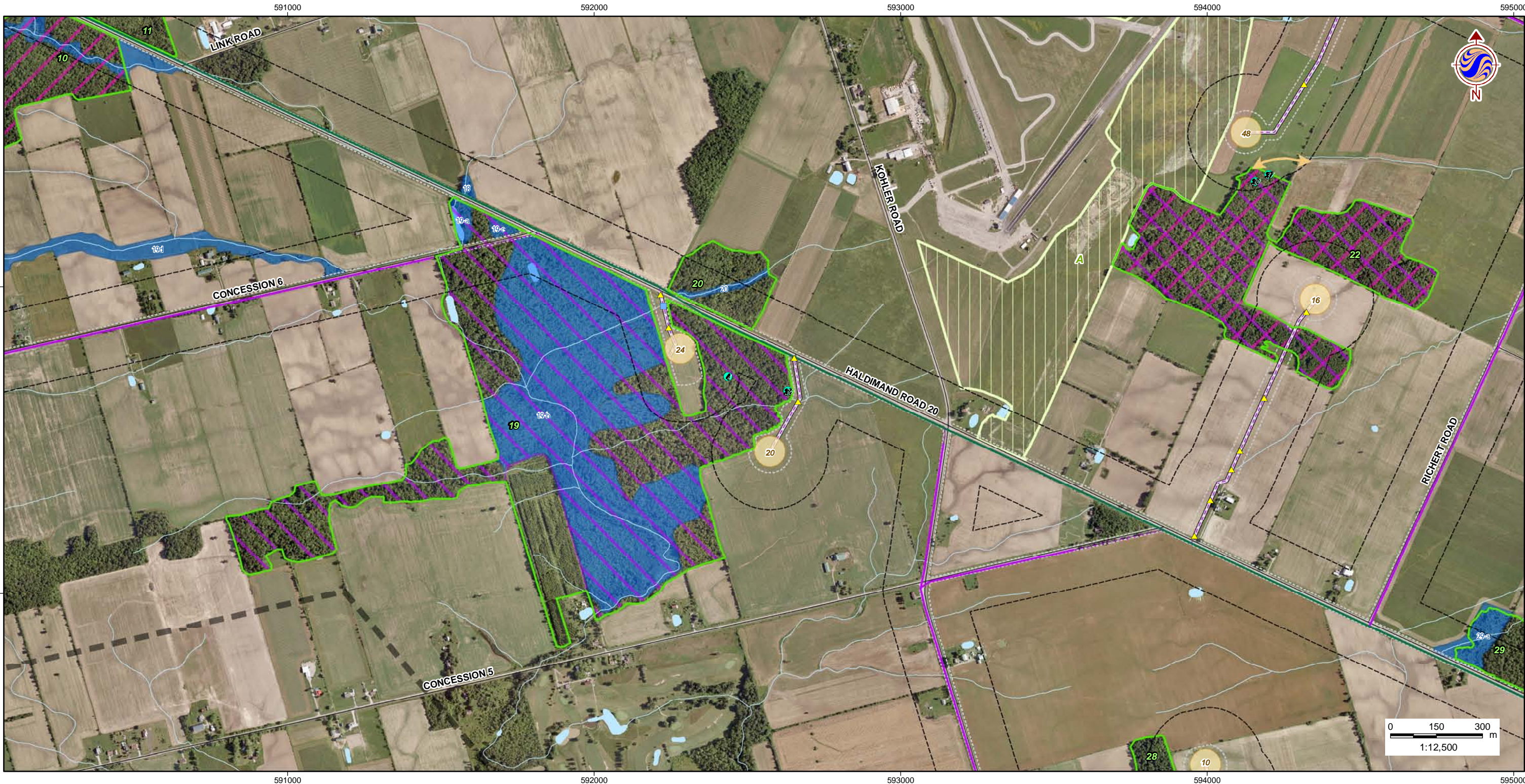
Figure No.  
**5.1**

Title  
**SIGNIFICANT NATURAL  
 FEATURES - T1**

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**Legend**

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**Notes**

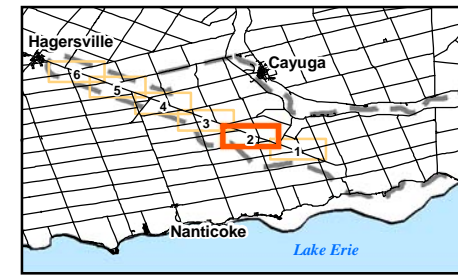
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Client/Project  
**SAMSUNG, PATTERN & KEPCO (SPK)  
 GRAND RENEWABLE ENERGY PARK**

Figure No.  
**5.2**

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Title  
**SIGNIFICANT NATURAL  
 FEATURES - T2**





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| <ul style="list-style-type: none"> <li> Study Area</li> <li> Zone of Investigation</li> <li> Constructable Area</li> <li><b>Wind Project Location</b></li> <li> Proposed Turbine Location</li> <li> Access Road</li> <li> Overhead Collector Line</li> <li> Underground Collector Line</li> <li><b>Solar Project Location</b></li> <li> Solar Lands</li> </ul> | <ul style="list-style-type: none"> <li><b>Transmission Line</b></li> <li> Overhead Transmission Line</li> <li> Underground Transmission Line</li> <li> Electrical Transmission Component</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Railway</li> <li> Abandoned Railway</li> <li> Transmission Line (MNR)</li> <li> Watercourse (MNR)</li> <li> Waterbody (MNR)</li> </ul> | <ul style="list-style-type: none"> <li><b>Wetland (MNR)</b></li> <li> Provincially Significant Wetland</li> <li> Non-Provincially Significant Wetland</li> <li><b>Significant Natural Features</b></li> <li> Woodland</li> <li> Significant Wetland</li> <li> Significant Valleyland</li> <li><b>Significant Wildlife Habitat</b></li> <li> Deer Wintering Area</li> <li> Habitat for Declining/Area-Sensitive Grassland Species</li> </ul> | <ul style="list-style-type: none"> <li> Seep</li> <li> Vernal Pool</li> <li> Rare Vegetation Community</li> <li> Snapping Turtle Habitat</li> <li> Animal Movement Corridor</li> <li> Waterfowl Stopover</li> <li> Migratory Landbird Habitat</li> <li> Habitat for Declining Woodland Species</li> <li> Area-Sensitive Species Woodland Habitat</li> <li> Short-Eared Owl Habitat</li> <li><b>Culverts</b></li> <li> Wildlife &amp; Flow Culvert</li> <li> Other Culvert</li> </ul> |
|--|--|---|--|

**Notes**

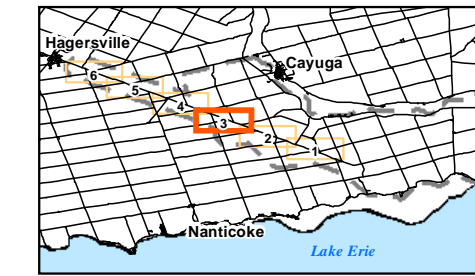
1. Coordinate System: UTM NAD 83 - Zone 17 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queens Printer Ontario, 2011; © Samsung, 2011.
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Client/Project  
**SAMSUNG, PATTERN & KEPCO (SPK)  
GRAND RENEWABLE ENERGY PARK**

Figure No.  
**5.3**

*DRAFT*

Title  
**SIGNIFICANT NATURAL  
FEATURES - T3**



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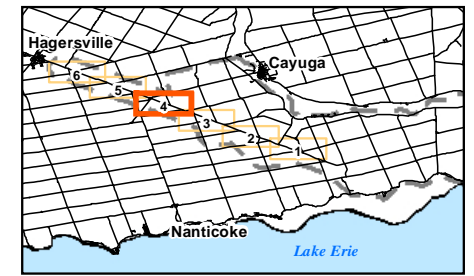


**Legend**

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|--|--|---|--|
| <ul style="list-style-type: none"> <li> Study Area</li> <li> Zone of Investigation</li> <li> Constructable Area</li> <li><b>Wind Project Location</b></li> <li> Proposed Turbine Location</li> <li> Access Road</li> <li> Overhead Collector Line</li> <li> Underground Collector Line</li> <li><b>Solar Project Location</b></li> <li> Solar Lands</li> </ul> | <ul style="list-style-type: none"> <li><b>Transmission Line</b></li> <li> Overhead Transmission Line</li> <li> Underground Transmission Line</li> <li> Electrical Transmission Component</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Railway</li> <li> Abandoned Railway</li> <li> Transmission Line (MNR)</li> <li> Watercourse (MNR)</li> <li> Waterbody (MNR)</li> </ul> | <ul style="list-style-type: none"> <li><b>Wetland (MNR)</b></li> <li> Provincially Significant Wetland</li> <li> Non-Provincially Significant Wetland</li> <li><b>Significant Natural Features</b></li> <li> Woodland</li> <li> Significant Wetland</li> <li> Significant Valleyland</li> <li><b>Significant Wildlife Habitat</b></li> <li> Deer Wintering Area</li> <li> Habitat for Declining/Area-Sensitive Grassland Species</li> </ul> | <ul style="list-style-type: none"> <li> Seep</li> <li> Vernal Pool</li> <li> Rare Vegetation Community</li> <li> Snapping Turtle Habitat</li> <li> Animal Movement Corridor</li> <li> Waterfowl Stopover</li> <li> Migratory Landbird Habitat</li> <li> Habitat for Declining Woodland Species</li> <li> Area-Sensitive Species Woodland Habitat</li> <li> Short-Eared Owl Habitat</li> <li><b>Culverts</b></li> <li> Wildlife &amp; Flow Culvert</li> <li> Other Culvert</li> </ul> |
|--|--|---|--|

**Notes**

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Client/Project  
**SAMSUNG, PATTERN & KEPCO (SPK)**  
**GRAND RENEWABLE ENERGY PARK**

Figure No.  
**5.4**

Title  
**SIGNIFICANT NATURAL FEATURES - T4**

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July 2011  
160960577



**Legend**

- |  |  |   |  |
|--|--|---|--|
| <ul style="list-style-type: none"> <li> Study Area</li> <li> Zone of Investigation</li> <li> Constructable Area</li> <li><b>Wind Project Location</b></li> <li> Proposed Turbine Location</li> <li> Access Road</li> <li> Overhead Collector Line</li> <li> Underground Collector Line</li> <li><b>Solar Project Location</b></li> <li> Solar Lands</li> </ul> | <ul style="list-style-type: none"> <li><b>Transmission Line</b></li> <li> Overhead Transmission Line</li> <li> Underground Transmission Line</li> <li> Electrical Transmission Component</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Railway</li> <li> Abandoned Railway</li> <li> Transmission Line (MNR)</li> <li> Watercourse (MNR)</li> <li> Waterbody (MNR)</li> </ul> | <ul style="list-style-type: none"> <li><b>Wetland (MNR)</b></li> <li> Provincially Significant Wetland</li> <li> Non-Provincially Significant Wetland</li> <li><b>Significant Natural Features</b></li> <li> Woodland</li> <li> Significant Wetland</li> <li> Significant Valleyland</li> <li><b>Significant Wildlife Habitat</b></li> <li> Deer Wintering Area</li> <li> Habitat for Declining/Area-Sensitive Grassland Species</li> </ul> | <ul style="list-style-type: none"> <li> Seep</li> <li> Vernal Pool</li> <li> Rare Vegetation Community</li> <li> Snapping Turtle Habitat</li> <li> Animal Movement Corridor</li> <li> Waterfowl Stopover</li> <li> Migratory Landbird Habitat</li> <li> Habitat for Declining Woodland Species</li> <li> Area-Sensitive Species Woodland Habitat</li> <li> Short-Eared Owl Habitat</li> <li><b>Culverts</b></li> <li> Wildlife &amp; Flow Culvert</li> <li> Other Culvert</li> </ul> |
|--|--|---|--|

**Notes**

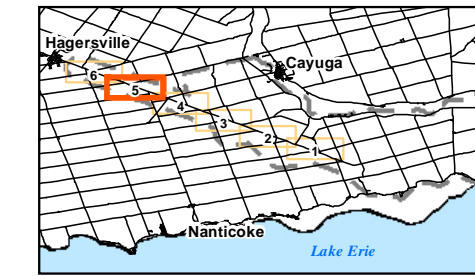
1. Coordinate System: UTM NAD 83 - Zone 17 (N).
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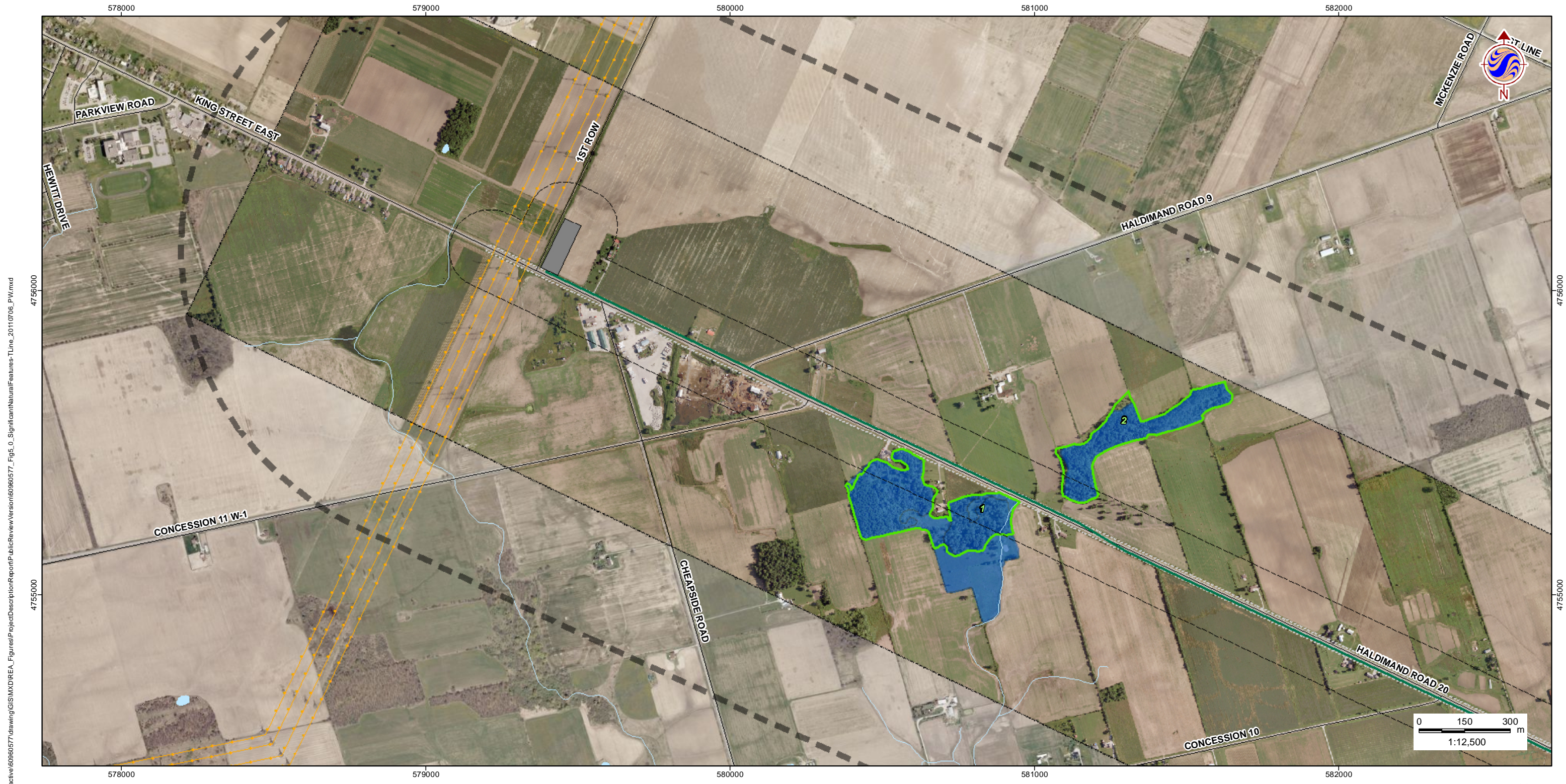
Client/Project  
**SAMSUNG, PATTERN & KEPCO (SPK)  
GRAND RENEWABLE ENERGY PARK**

Figure No.  
**5.5**

*DRAFT*

Title  
**SIGNIFICANT NATURAL  
FEATURES - T5**





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July 2011  
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**Legend**

- Study Area
- Zone of Investigation
- Constructable Area
- Wind Project Location**
- Proposed Turbine Location
- Access Road
- Overhead Collector Line
- Underground Collector Line
- Solar Project Location**
- Solar Lands

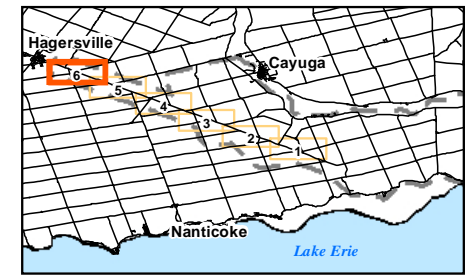
- Transmission Line**
- Overhead Transmission Line
- Underground Transmission Line
- Electrical Transmission Component
- Existing Features**
- Road
- Railway
- Abandoned Railway
- Transmission Line (MNR)
- Watercourse (MNR)
- Waterbody (MNR)

- Wetland (MNR)**
- Provincially Significant Wetland
- Non-Provincially Significant Wetland
- Significant Natural Features**
- Woodland
- Significant Wetland
- Significant Valleyland
- Significant Wildlife Habitat**
- Deer Wintering Area
- Habitat for Declining/Area-Sensitive Grassland Species

- Seep
- Vernal Pool
- Rare Vegetation Community
- Snapping Turtle Habitat
- Animal Movement Corridor
- Waterfowl Stopover
- Migratory Landbird Habitat
- Habitat for Declining Woodland Species
- Area-Sensitive Species Woodland Habitat
- Short-Eared Owl Habitat
- Culverts**
- Wildlife & Flow Culvert
- Other Culvert

**Notes**

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Client/Project  
**SAMSUNG, PATTERN & KEPCO (SPK)  
GRAND RENEWABLE ENERGY PARK**

Figure No.  
**5.6**

*DRAFT*

Title  
**SIGNIFICANT NATURAL  
FEATURES - T6**