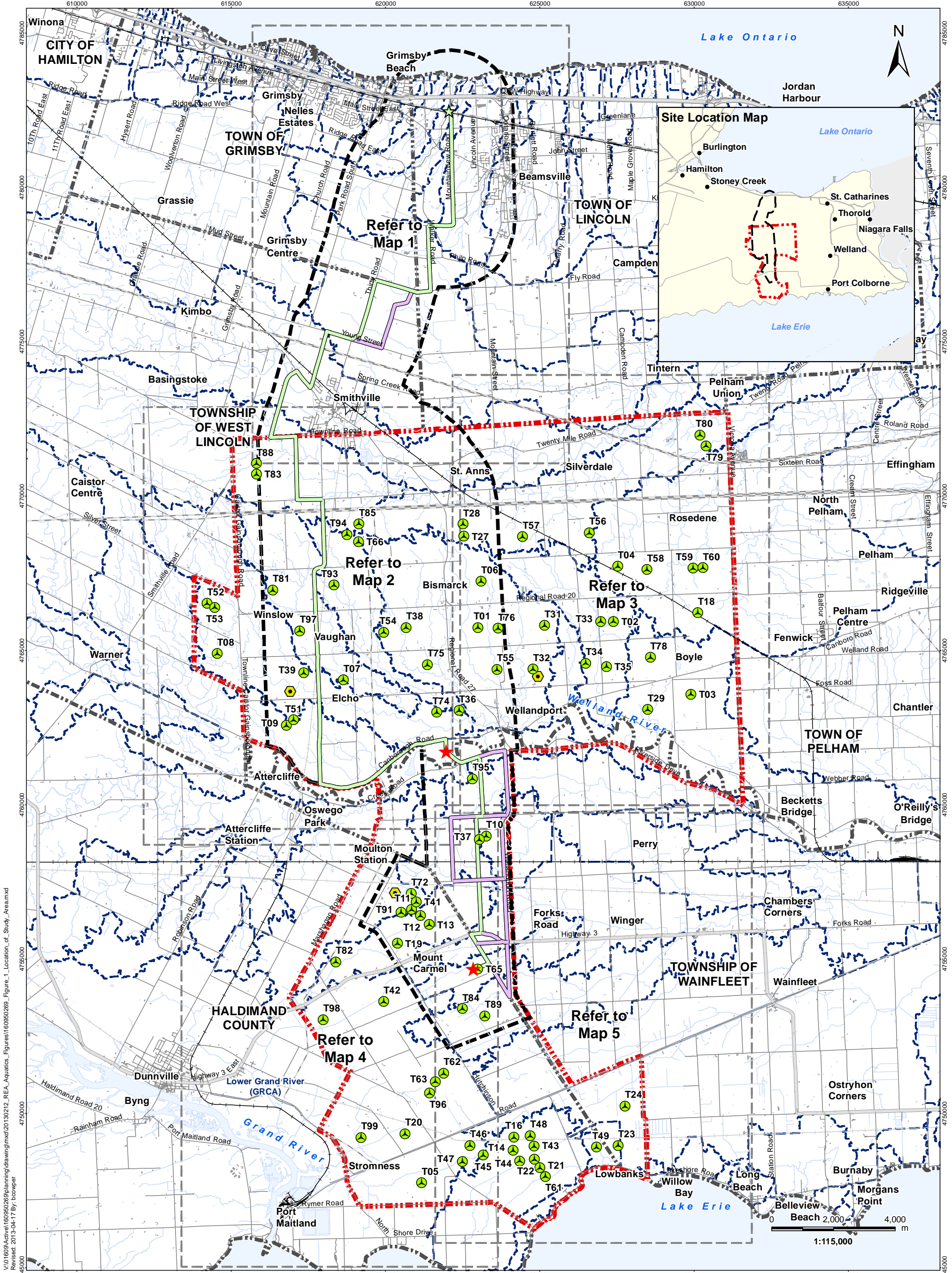


Appendix A

Figures



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 Revised: 2013-04-17 By: bczwper



Legend

- Project Study Area
- Interconnector Study Area
- Proposed Turbine Location
- Transformer Substation
- Tap-in Location
- Existing Met Tower
- Preferred Transmission Route
- Alternate Transmission Route
- Road
- Expressway / Highway
- Active Railway
- Abandoned Railway
- Existing Structures
- Existing Transmission Line
- Watercourse
- Waterbody
- Municipality Lower Tier
- Subwatershed (NPCA)

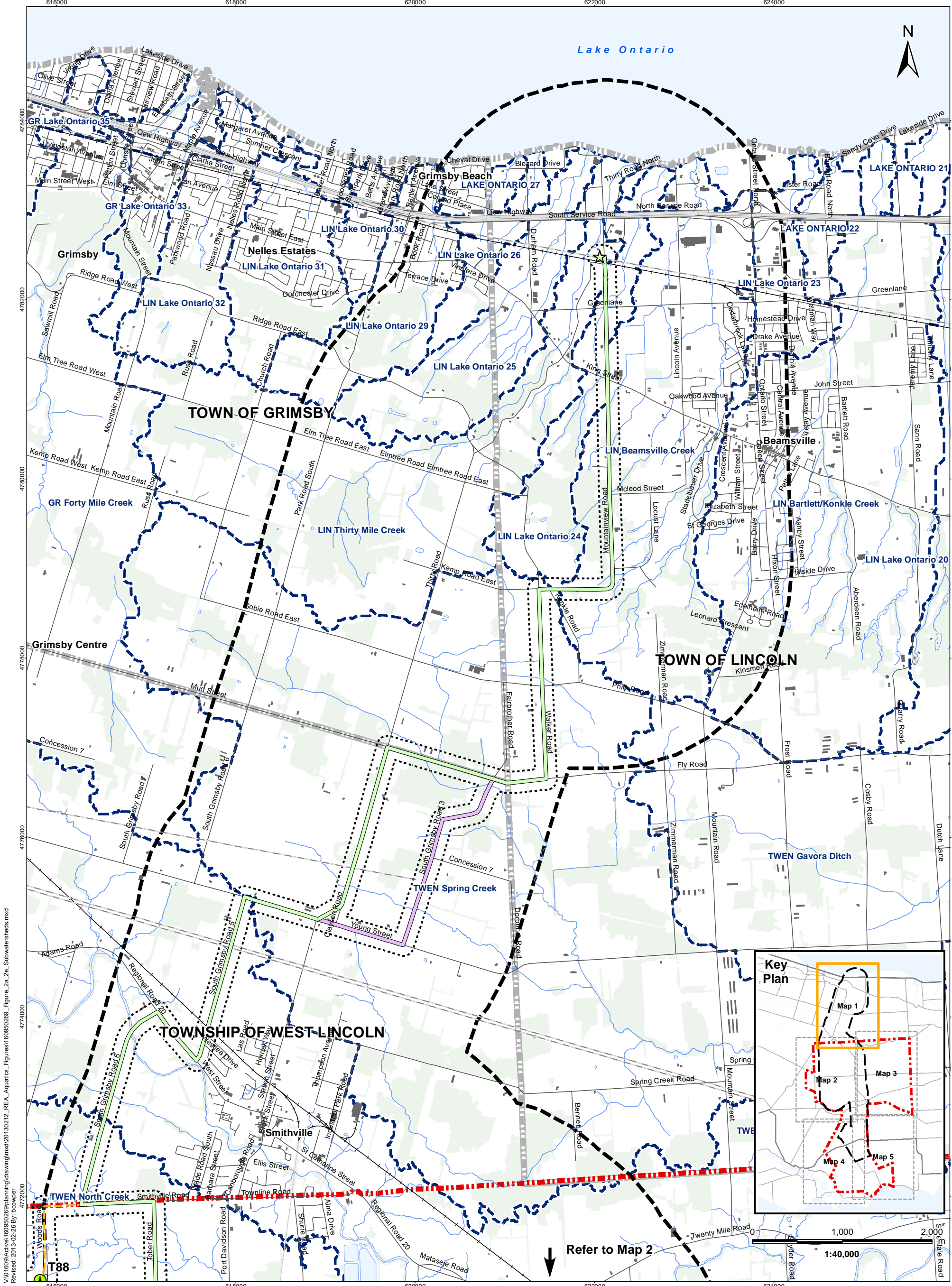
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Figure No.
 1

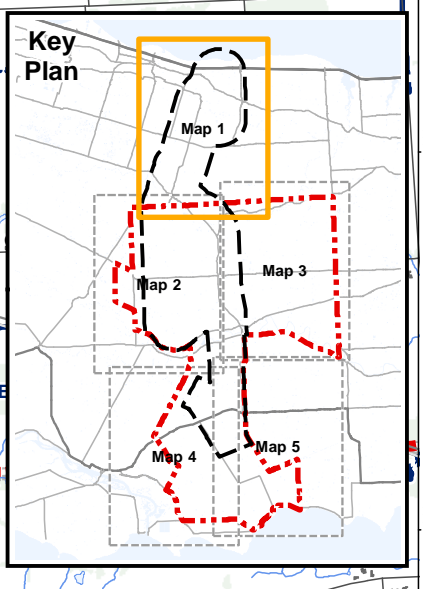
Title
Location of Study Area

Notes

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 Reviset: 2013-02-26 By: bobweger



Refer to Map 2



Legend

- | | | |
|---|-------------------------------------|---------------------|
| Project Study Area | Junction Box | Watercourse |
| Interconnector Study Area | Tap-in Location | Waterbody |
| 120m Zone of Investigation | Existing Met Tower | Wooded Area |
| Proposed Turbine Location | Potential Construction Laydown Area | Subwatershed (NPCA) |
| Transformer Substation | Road | |
| Potential Access Road | Expressway / Highway | |
| Collector Lines – Underground or Overhead | Active Railway | |
| Preferred Transmission Route | Abandoned Railway | |
| Alternate Transmission Route | Existing Transmission Line | |
| | Existing Structures | |

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Figure No.
2a

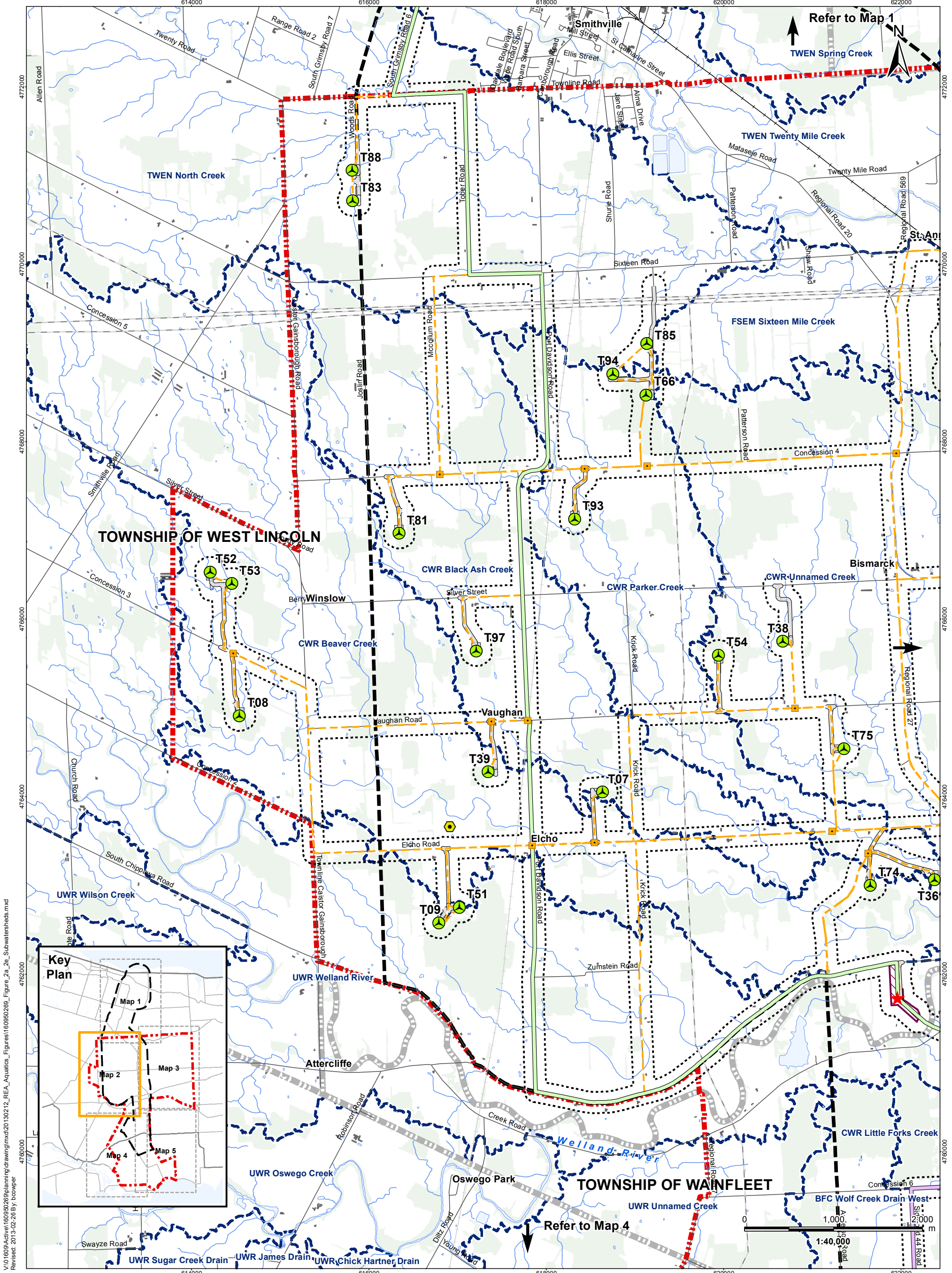
Title

**Subwatersheds
 Map 1 of 5**

Notes

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 Revised: 2013-02-26 By: bcbwper



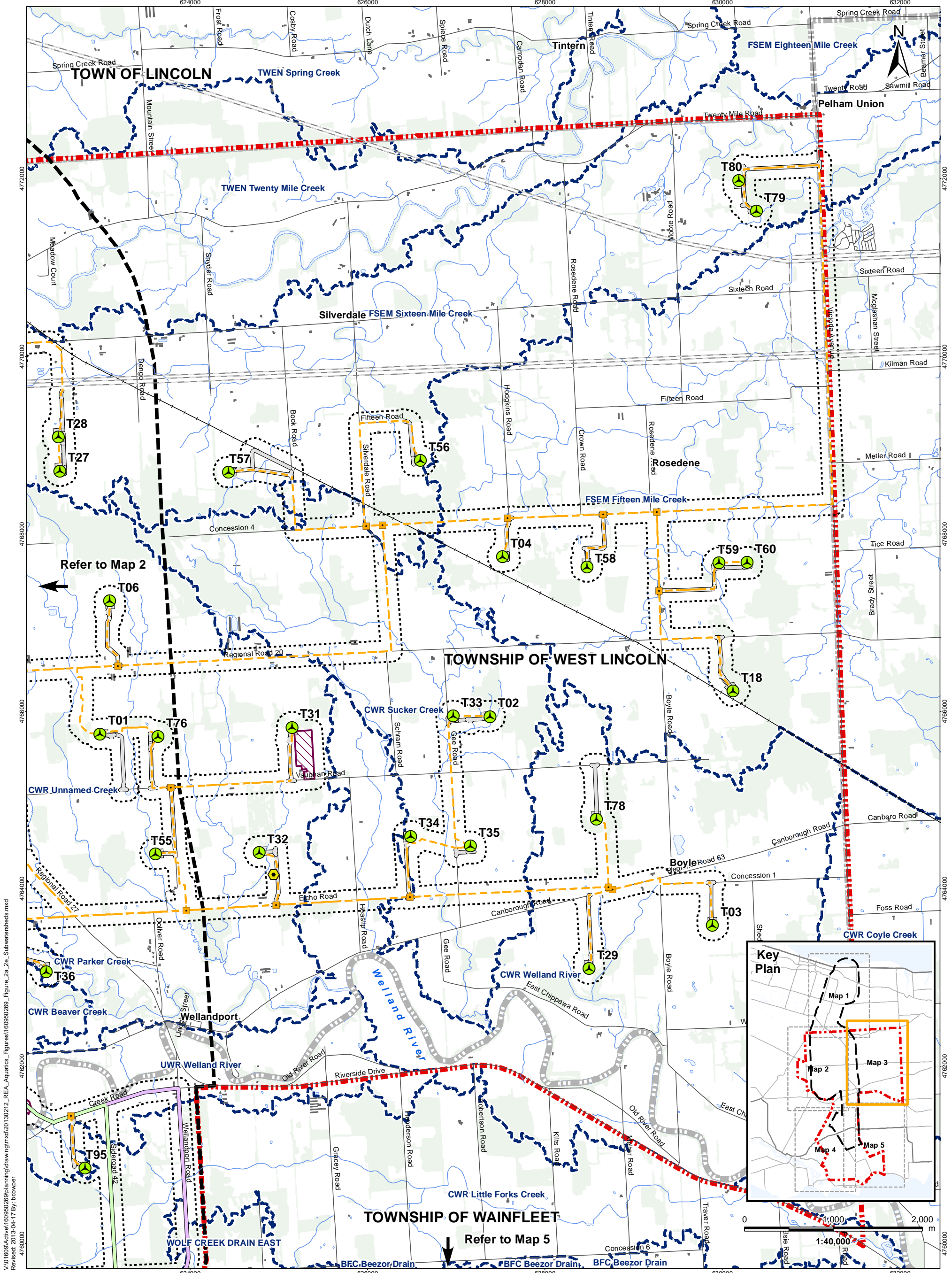
Legend

- | | | |
|---|-------------------------------------|---------------------|
| Project Study Area | Junction Box | Watercourse |
| Interconnector Study Area | Tap-in Location | Waterbody |
| 120m Zone of Investigation | Existing Met Tower | Wooded Area |
| Proposed Turbine Location | Potential Construction Laydown Area | Subwatershed (NPCA) |
| Transformer Substation | Road | |
| Potential Access Road | Expressway / Highway | |
| Collector Lines - Underground or Overhead | Active Railway | |
| Preferred Transmission Route | Abandoned Railway | |
| Alternate Transmission Route | Existing Transmission Line | |
| | Existing Structures | |

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 Figure No.
2b
 Title

**Subwatersheds
Map 2 of 5**

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 Revised: 2013-04-17 By: bczwper



Legend

- | | | |
|---|-------------------------------------|---------------------|
| Project Study Area | Junction Box | Watercourse |
| Interconnector Study Area | Tap-in Location | Waterbody |
| 120m Zone of Investigation | Existing Met Tower | Wooded Area |
| Proposed Turbine Location | Potential Construction Laydown Area | Subwatershed (NPCA) |
| Transformer Substation | Road | |
| Potential Access Road | Expressway / Highway | |
| Collector Lines - Underground or Overhead | Active Railway | |
| Preferred Transmission Route | Abandoned Railway | |
| Alternate Transmission Route | Existing Transmission Line | |
| | Existing Structures | |

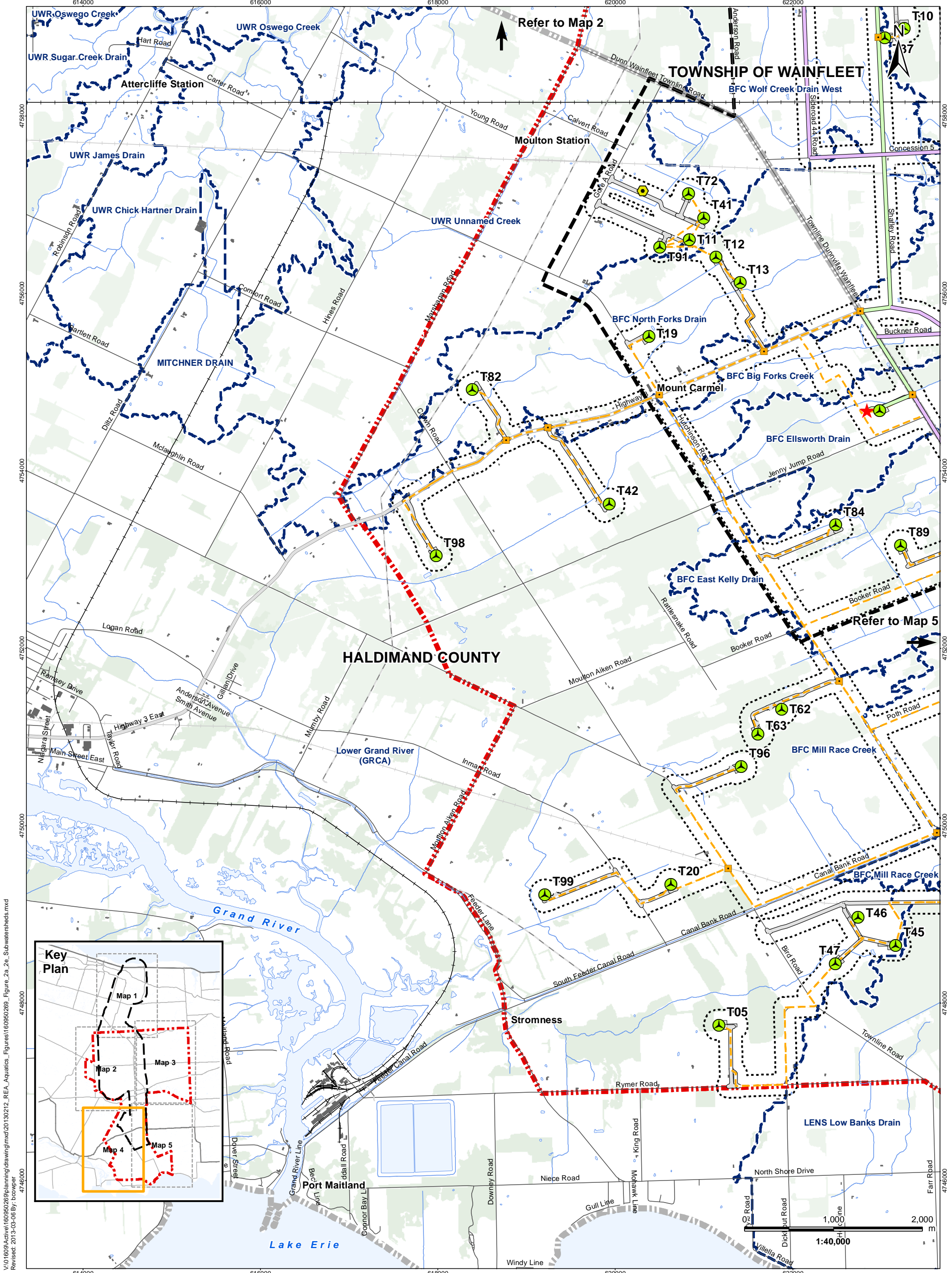
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Figure No.
 2C

**Subwatersheds
Map 3 of 5**

Notes

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 Reviset: 2013-03-06 By: bobweger



Legend

- | | | |
|---|-------------------------------------|---------------------|
| Project Study Area | Junction Box | Watercourse |
| Interconnector Study Area | Tap-in Location | Waterbody |
| 120m Zone of Investigation | Existing Met Tower | Wooded Area |
| Proposed Turbine Location | Potential Construction Laydown Area | Subwatershed (NPCA) |
| Transformer Substation | Road | |
| Potential Access Road | Expressway / Highway | |
| Collector Lines – Underground or Overhead | Active Railway | |
| Preferred Transmission Route | Abandoned Railway | |
| Alternate Transmission Route | Existing Transmission Line | |
| | Existing Structures | |

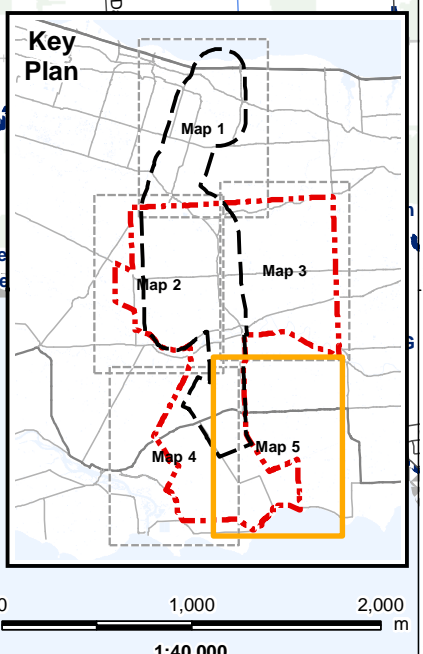
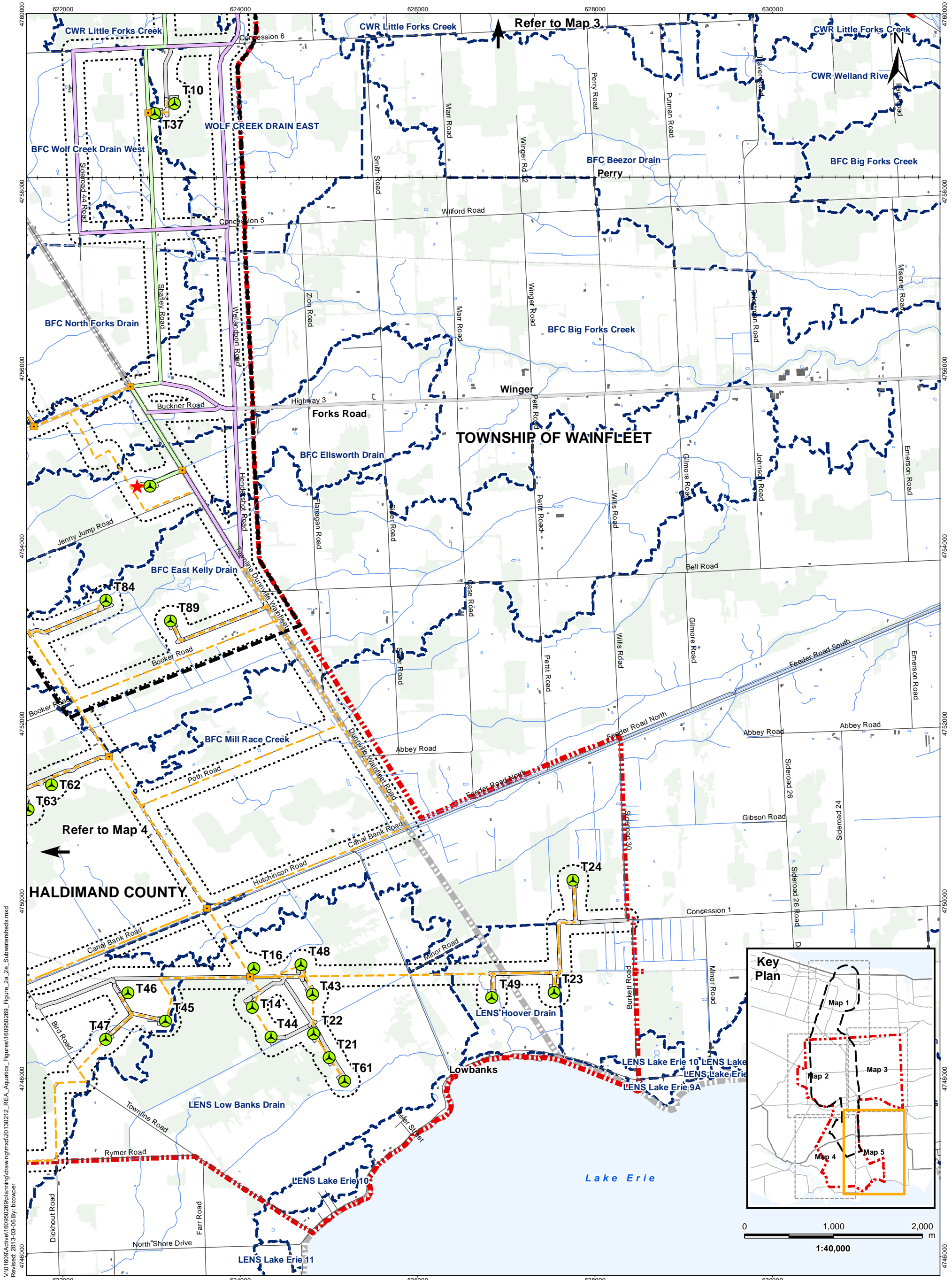
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Figure No.
2d
 Title

**Subwatersheds
Map 4 of 5**

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 Revised: 2013-03-06 By: bczwper



Legend

- | | | |
|---|-------------------------------------|---------------------|
| Project Study Area | Junction Box | Watercourse |
| Interconnector Study Area | Tap-in Location | Waterbody |
| 120m Zone of Investigation | Existing Met Tower | Wooded Area |
| Proposed Turbine Location | Potential Construction Laydown Area | Subwatershed (NPCA) |
| Transformer Substation | Road | |
| Potential Access Road | Expressway / Highway | |
| Collector Lines – Underground or Overhead | Active Railway | |
| Preferred Transmission Route | Abandoned Railway | |
| Alternate Transmission Route | Existing Transmission Line | |
| | Existing Structures | |

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Figure No.: 2e
 Title:

**Subwatersheds
Map 5 of 5**

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 Revised: 2013-03-28 By: pworsell

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160950269

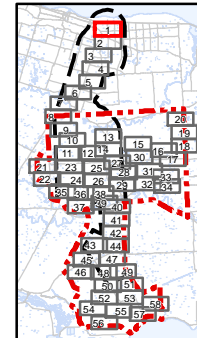


Legend

- | | | |
|---------------------------------|-------------------------------------|---|
| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

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Figure No.
3.1

Title
**Water Bodies
 Figure 3.1**



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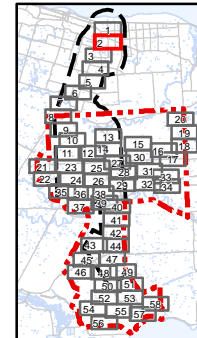


Legend

- | | | |
|---------------------------------|-------------------------------------|---|
| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

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Figure No.
 3.2

Title
Water Bodies
Figure 3.2



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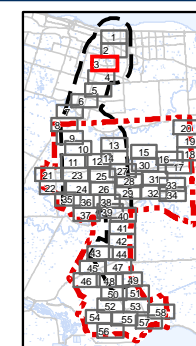


Legend

- | | | |
|---------------------------------|-------------------------------------|---|
| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

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Figure No.
3.3

Title
**Water Bodies
 Figure 3.3**



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 Revised: 2013-03-28 By: pwersell

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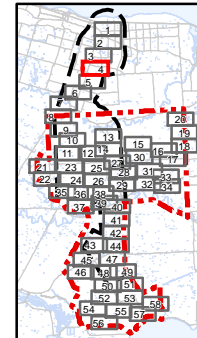


Legend

- | | | |
|---------------------------------|-------------------------------------|---|
| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

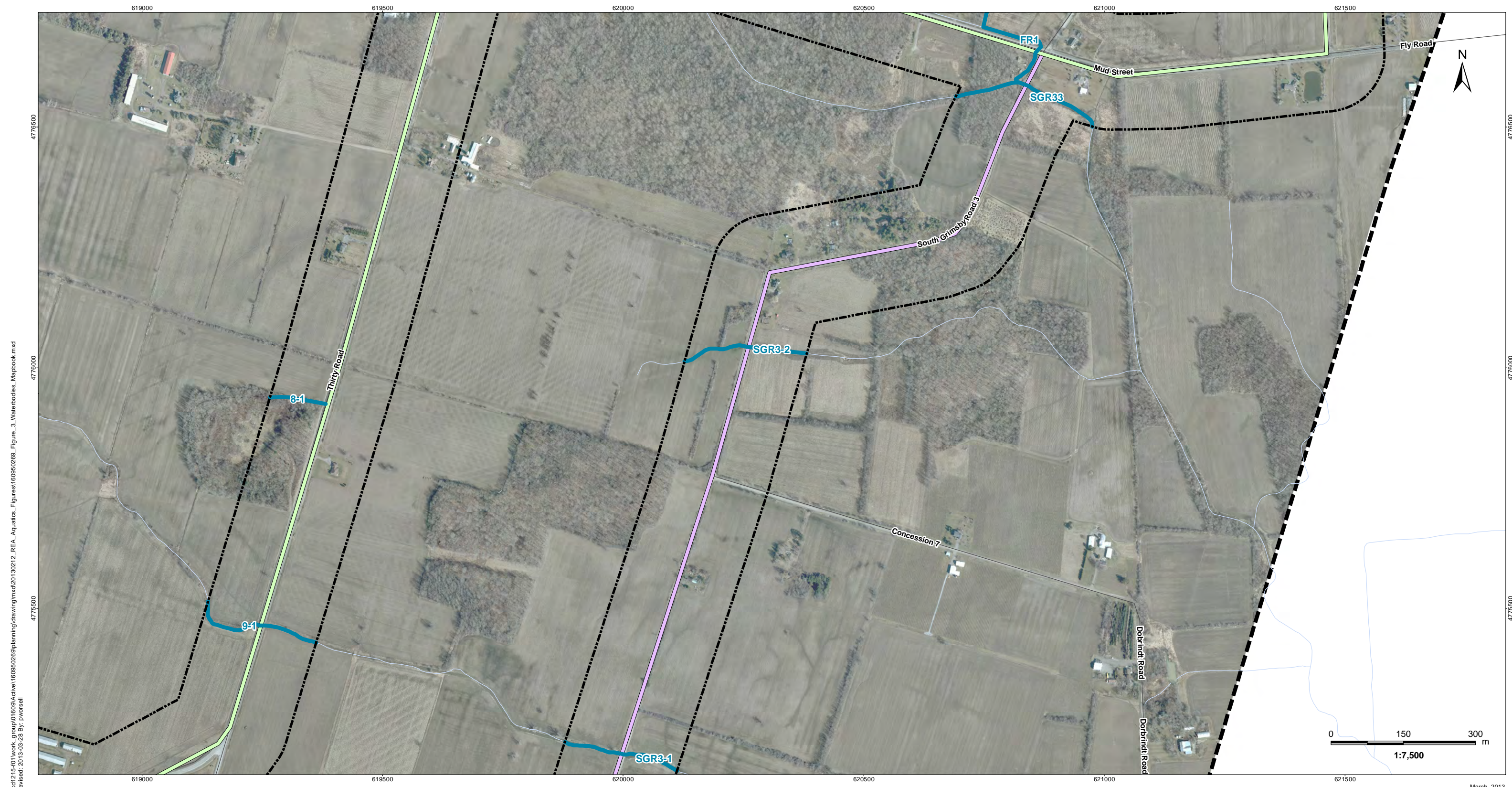
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Figure No.
 3.4

Title
Water Bodies
Figure 3.4



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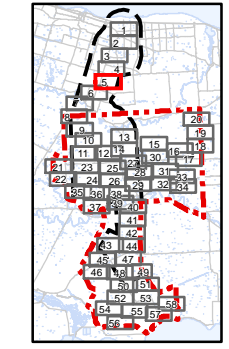


Legend

- | | | |
|---------------------------------|-------------------------------------|---|
| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

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Figure No.
3.5

Title
**Water Bodies
 Figure 3.5**



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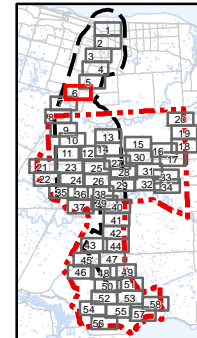


Legend

- | | | |
|---------------------------------|-------------------------------------|---|
| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

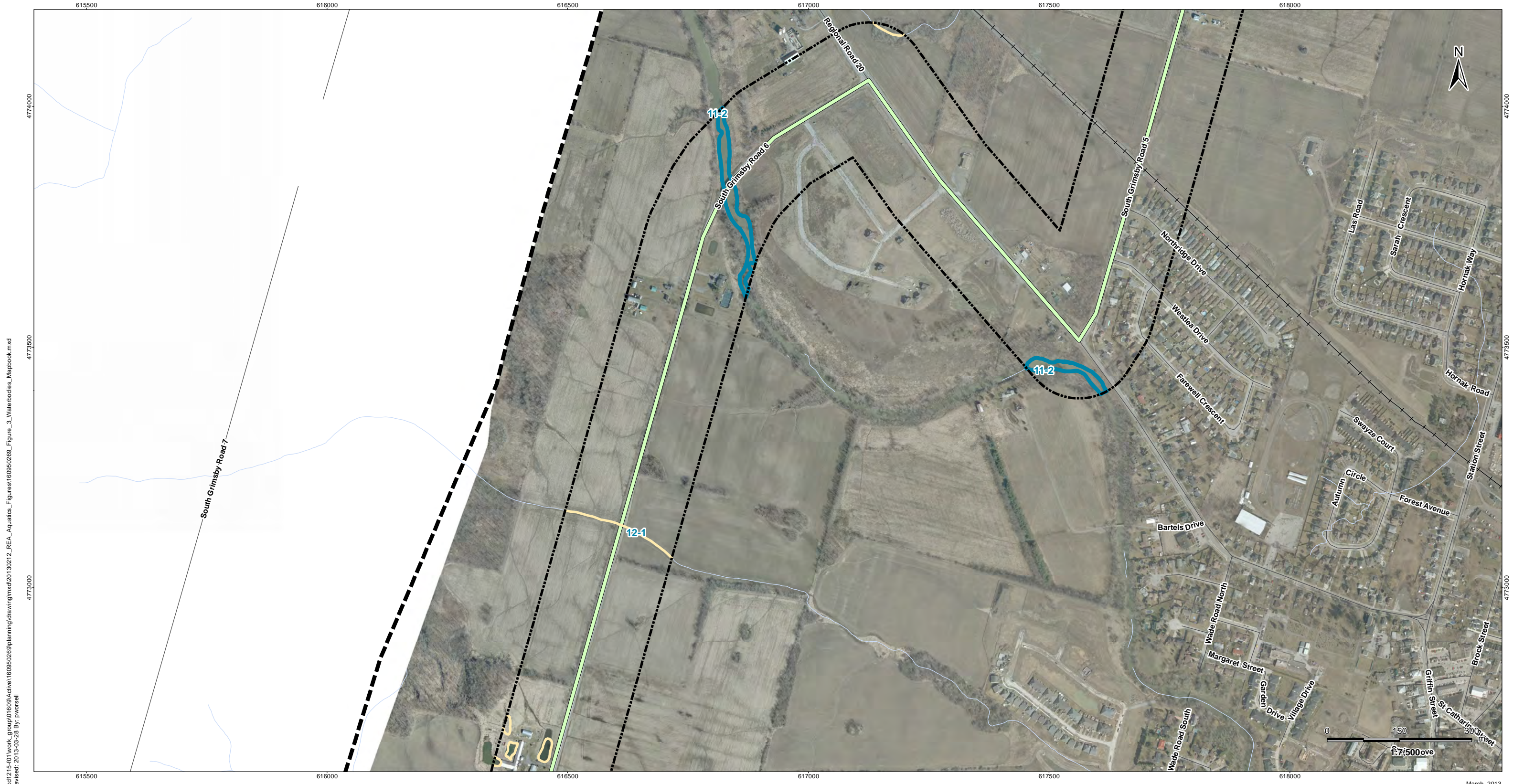
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Figure No.
 3.6

Title
Water Bodies
Figure 3.6



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 Revised: 2013-03-28 By: pwersell

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160950269

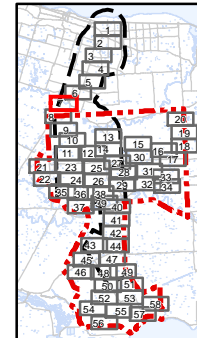


Legend

- | | | |
|---------------------------------|-------------------------------------|---|
| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

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Figure No.
 3.7

Title
Water Bodies
Figure 3.7



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 Revised: 2013-03-28 By: pworsell

March, 2013
160950269

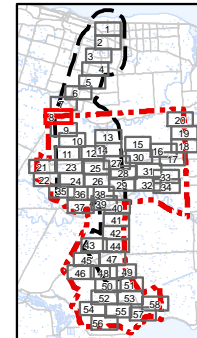


Legend

- | | | |
|---------------------------------|-------------------------------------|---|
| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

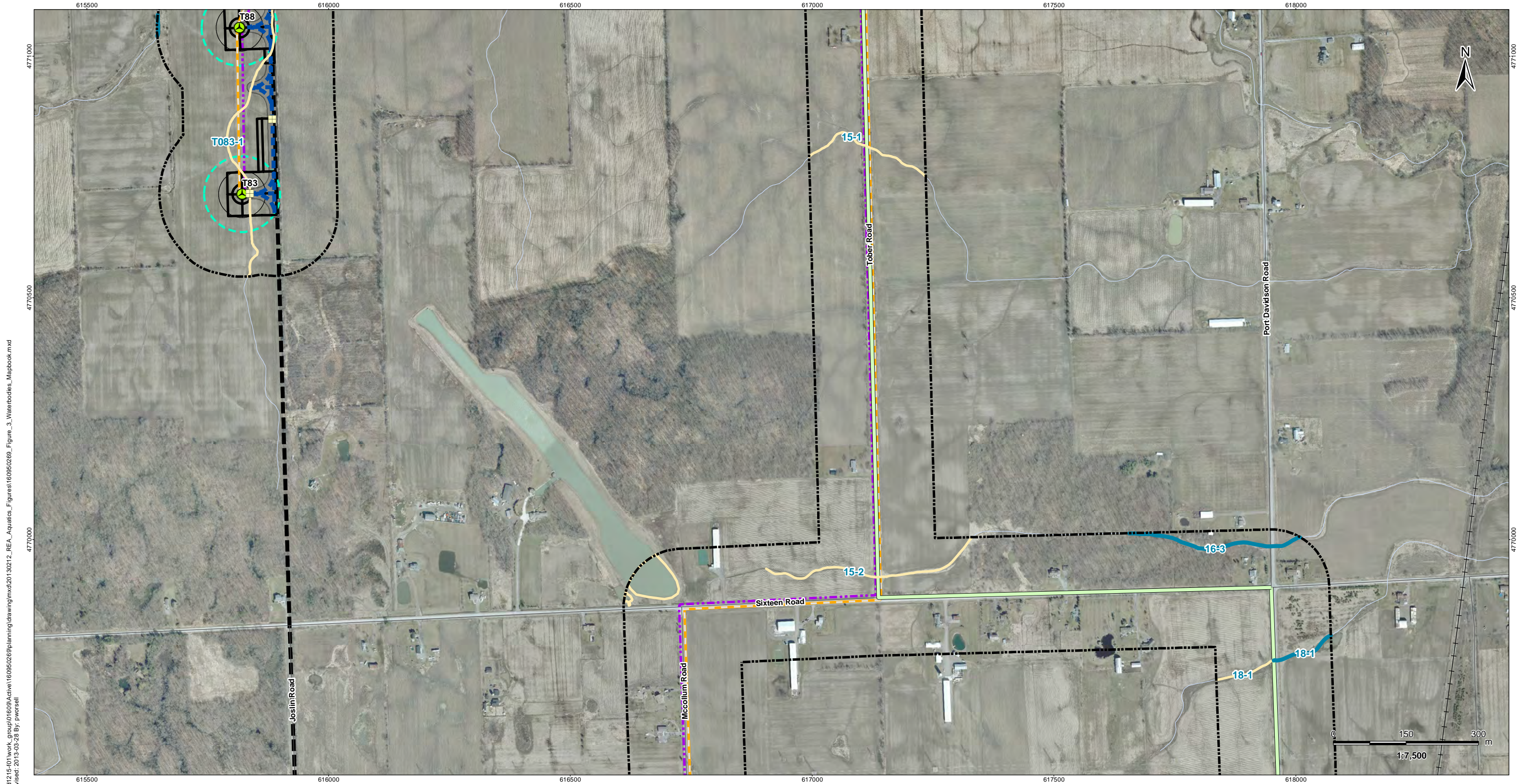
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Figure No.
3.8

Title
**Water Bodies
 Figure 3.8**



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 Revised: 2013-03-28 By: pwersell

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160950269

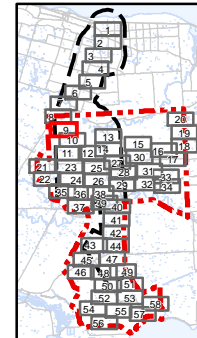


Legend

- | | | |
|---------------------------------|-------------------------------------|---|
| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

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Figure No.
3.9

Title
**Water Bodies
 Figure 3.9**



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March, 2013
160950269

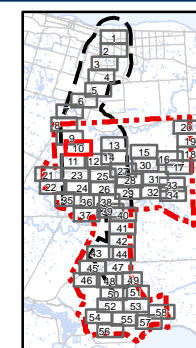


Legend

- | | | |
|---------------------------------|-------------------------------------|---|
| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

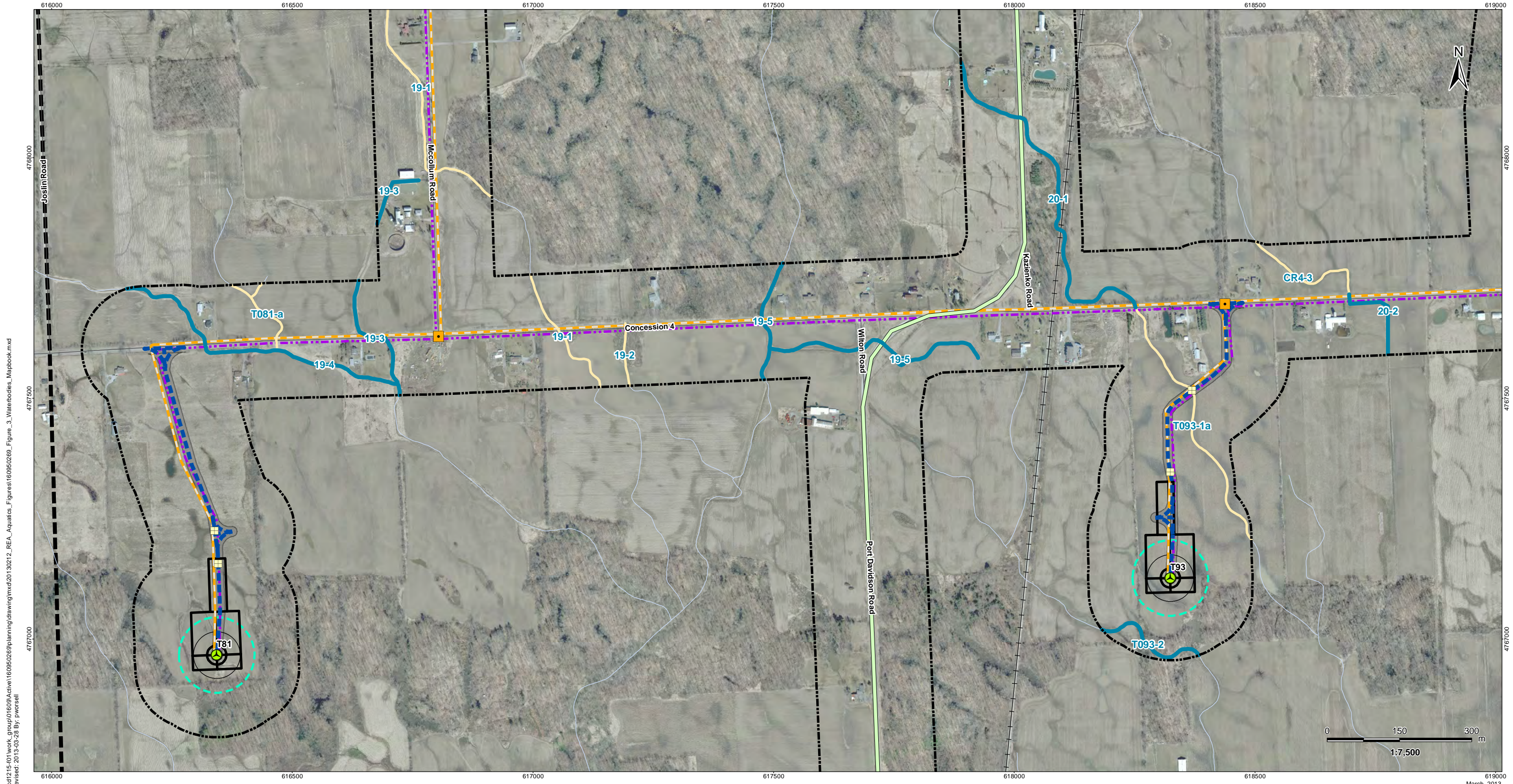
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Figure No.
 3.10

Title
Water Bodies
Figure 3.10



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160950269

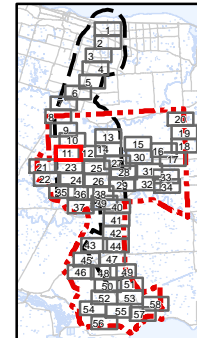


Legend

- | | | |
|---------------------------------|-------------------------------------|---|
| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

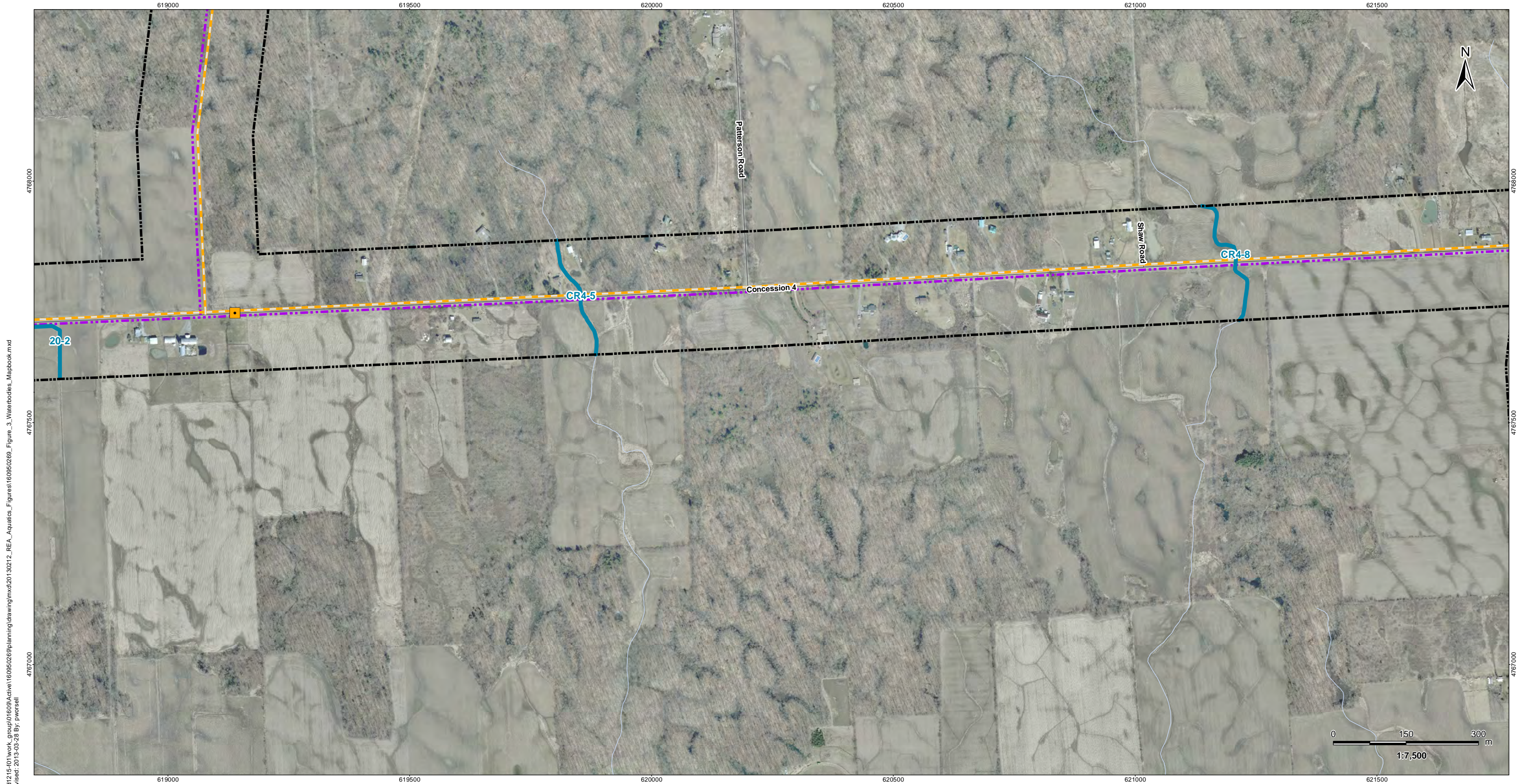
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Figure No.
 3.11

Title
Water Bodies
Figure 3.11

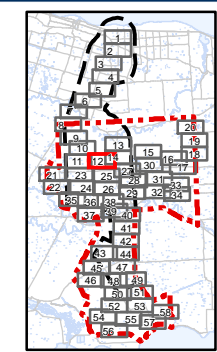


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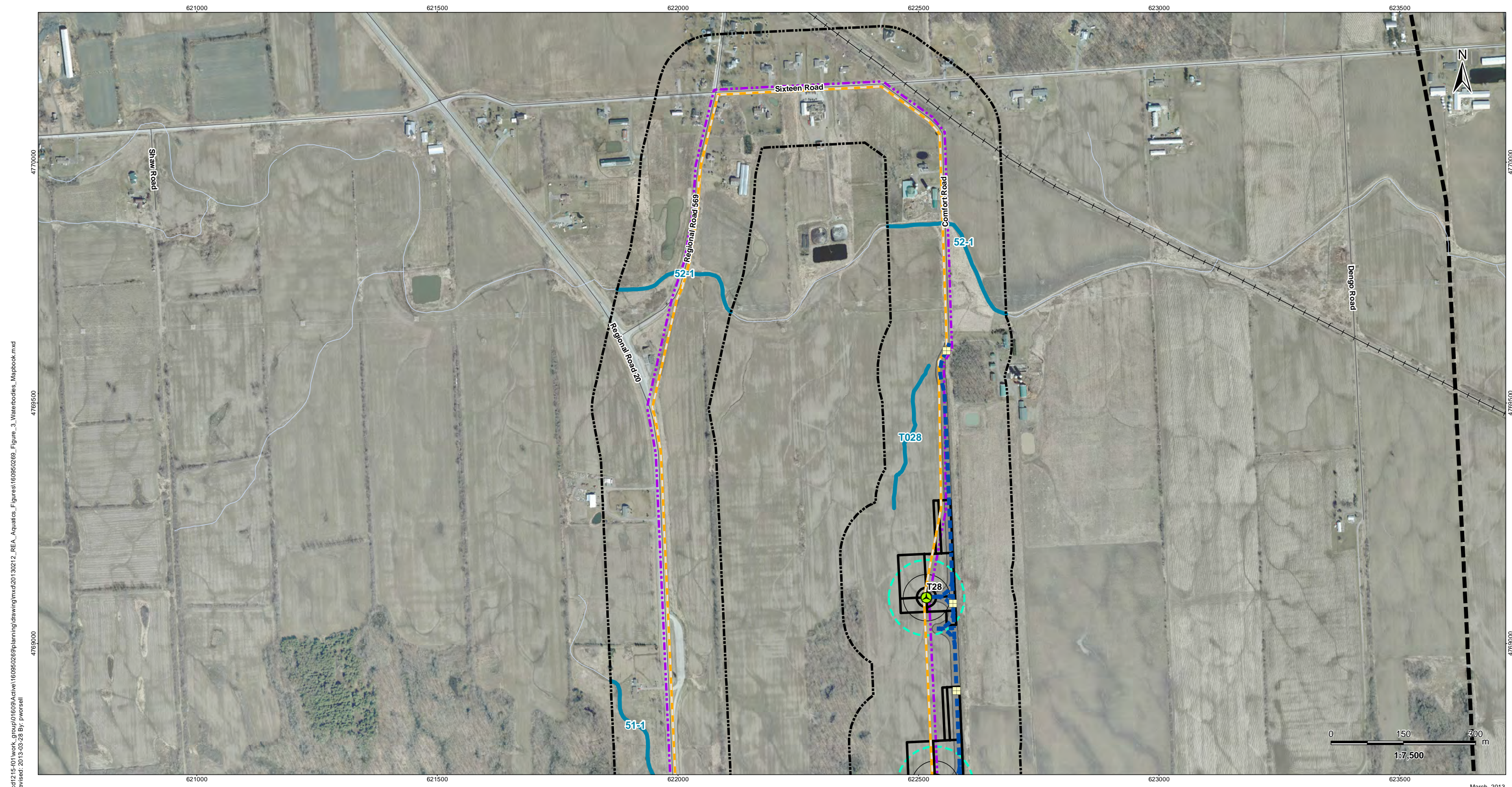
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| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

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 Figure No.
3.12
 Title
Water Bodies
Figure 3.12



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 Revised: 2013-03-28 By: pwersell

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160950269

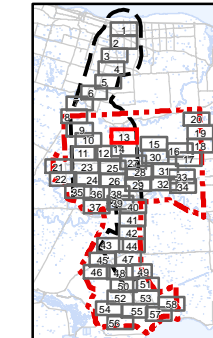


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| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

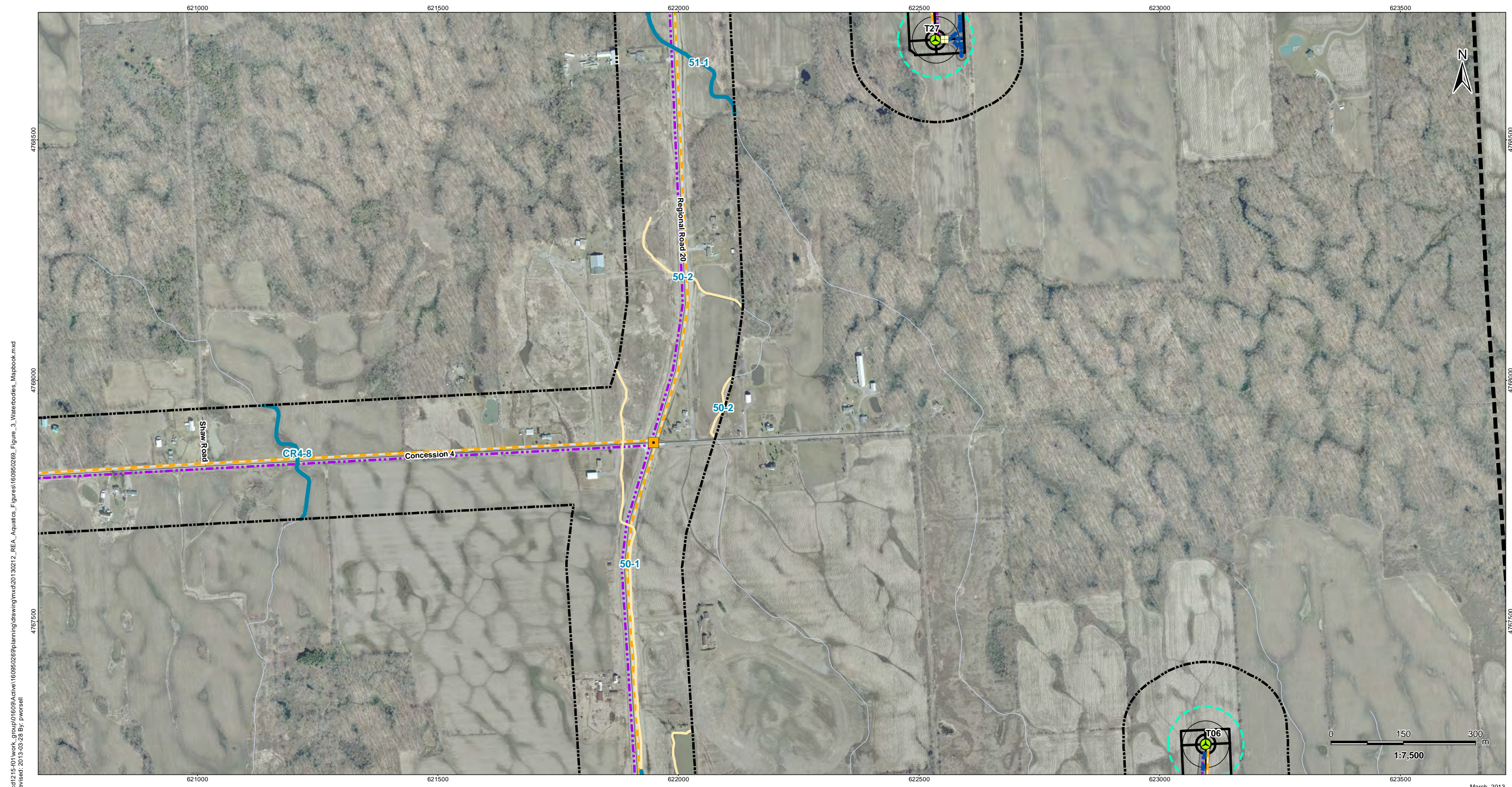
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Figure No.
3.13

Title
**Water Bodies
 Figure 3.13**



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 Revised: 2013-03-28 By: pwersell

March, 2013
160950269

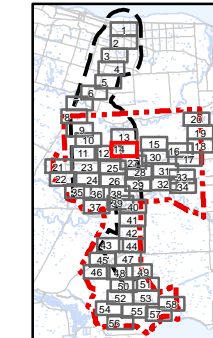


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| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

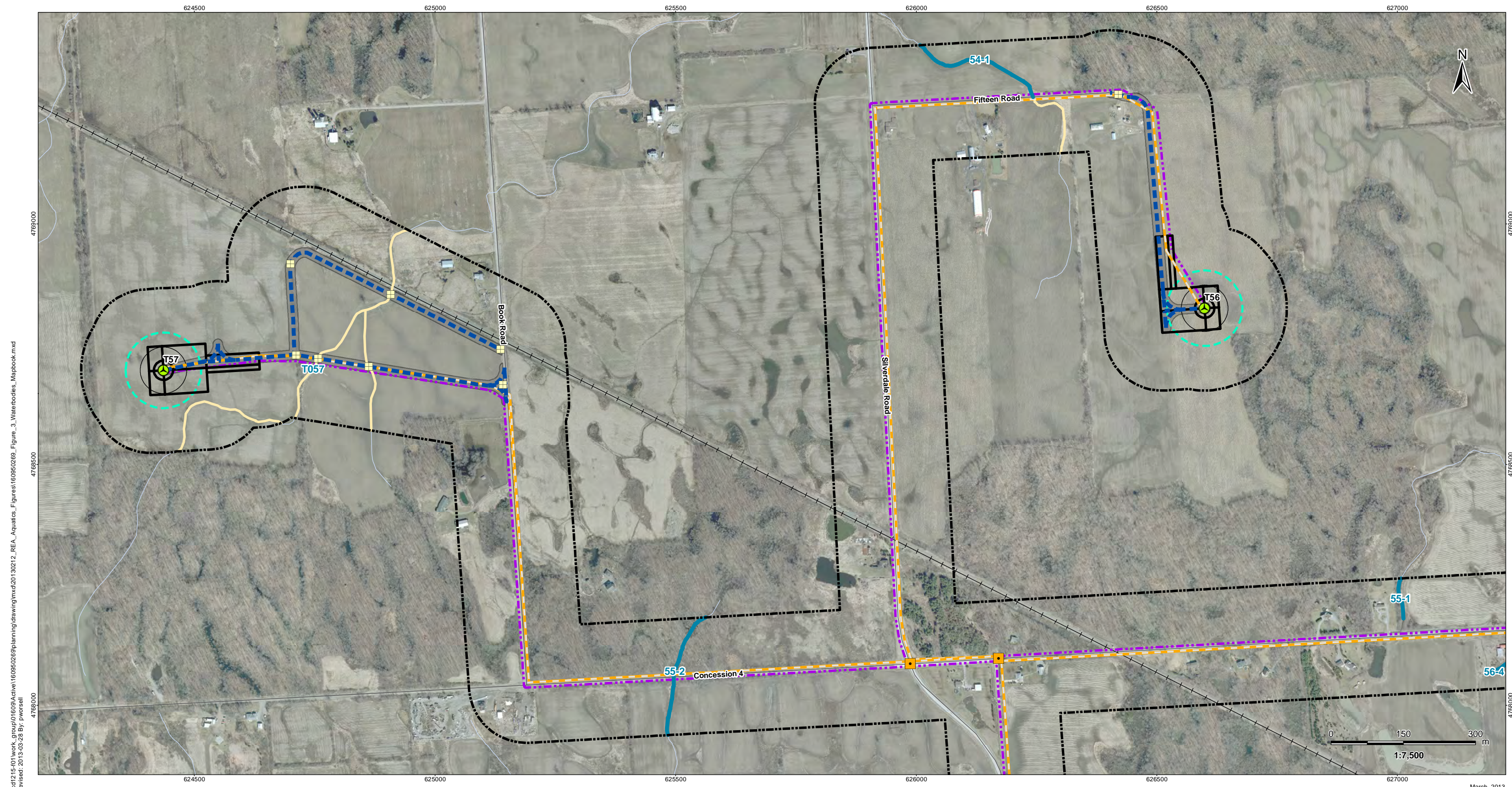
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Figure No.
3.14

Title
**Water Bodies
 Figure 3.14**



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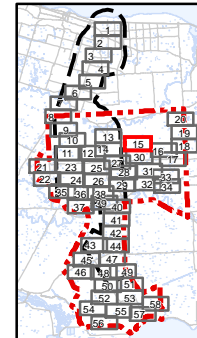


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| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

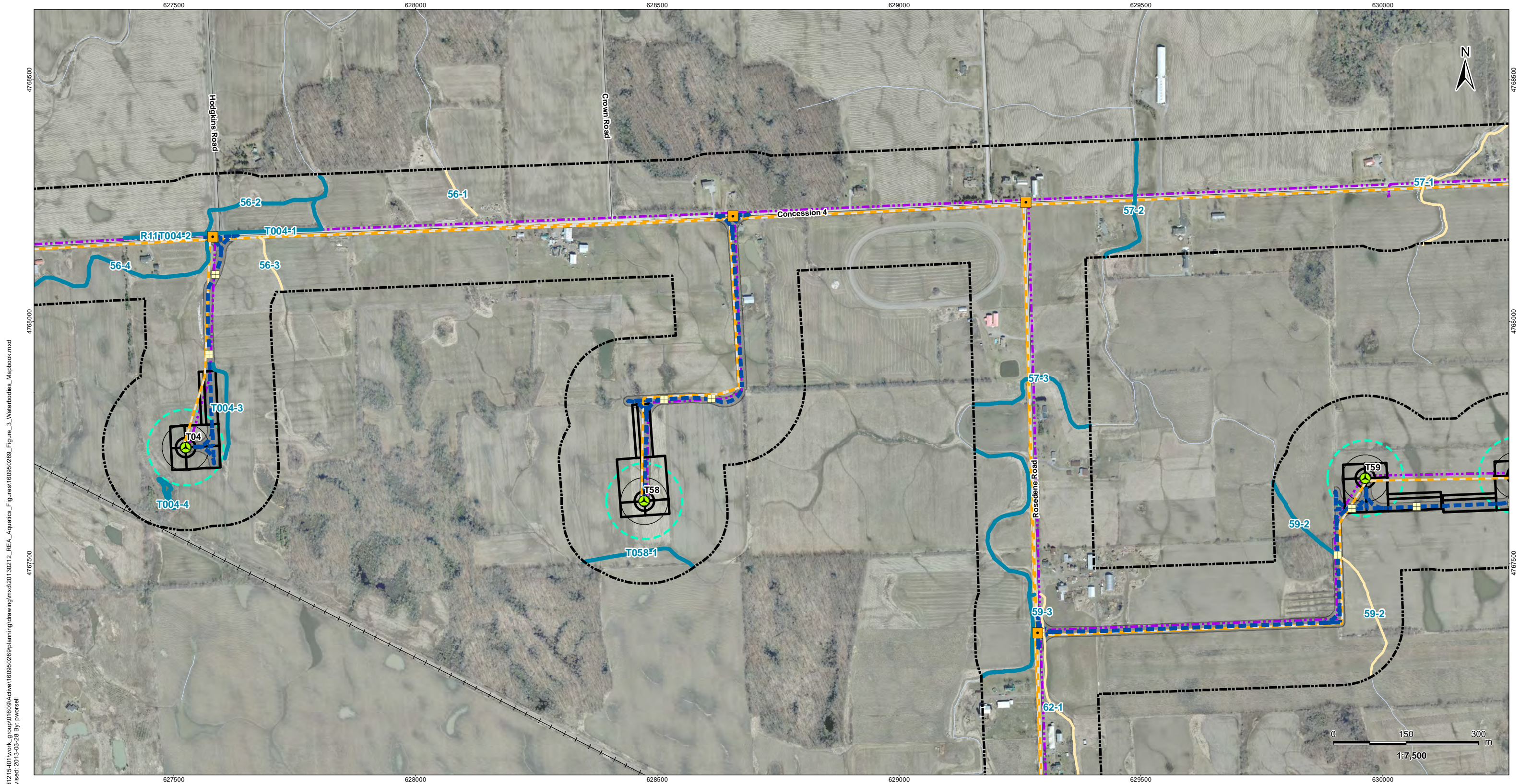
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 Water Assessment and Waterbody Report

Figure No.
 3.15

Title
Water Bodies
Figure 3.15



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 Revised: 2013-03-28 By: p.worsell

March, 2013
160950269

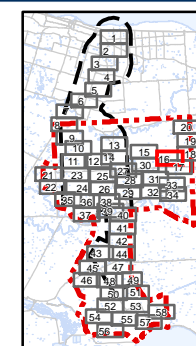


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|---------------------------------|-------------------------------------|---|
| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

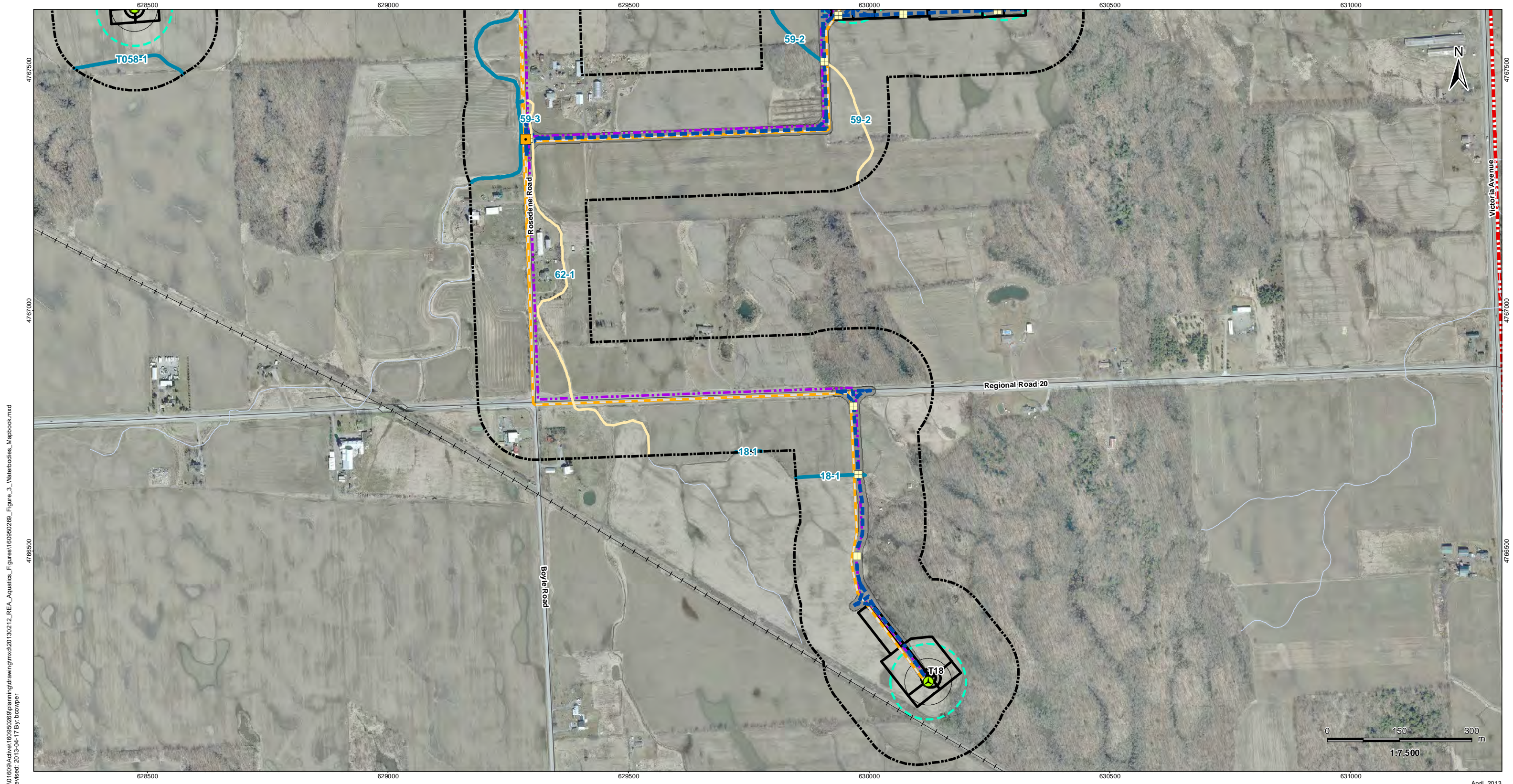
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 Water Assessment and Waterbody Report

Figure No.
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Title
 Water Bodies
 Figure 3.16



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 Revised: 2013-04-17 By: bowper

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160950269

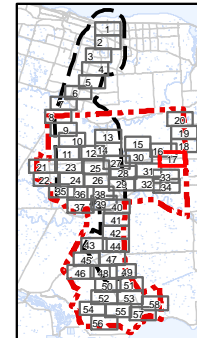


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|----------------------------|---------------------------------|---|
| Project Study Area | Turbine Blade Length 30m Buffer | Transformer Substation |
| Interconnector Study Area | Turbine Blade Length | Potential Construction Laydown Area |
| 120m Zone of Investigation | Tap-in Location | Collector Lines – Underground or Overhead |
| Watercourse (MNR) | Transformer Substation Location | Fibre Optic Line |
| Waterbody | Junction Box | Potential Access Road |
| Non-waterbody | Proposed Culvert | Access Road 20m Construction Area |
| Proposed Turbine Location | Preferred Transmission Route | |
| | Alternate Transmission Route | |
| | Temporary Laydown Area | |

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Figure No.
3.17

Title
Water Bodies
Figure 3.17



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 Revised: 2013-03-28 By: pworesell

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160950269

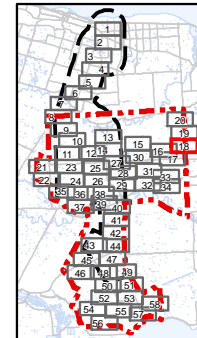


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| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

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Figure No.
 3.18

Title
Water Bodies
Figure 3.18



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160950269

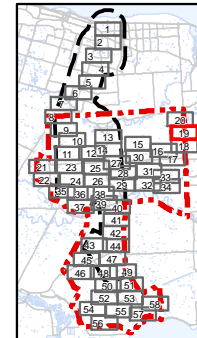


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| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

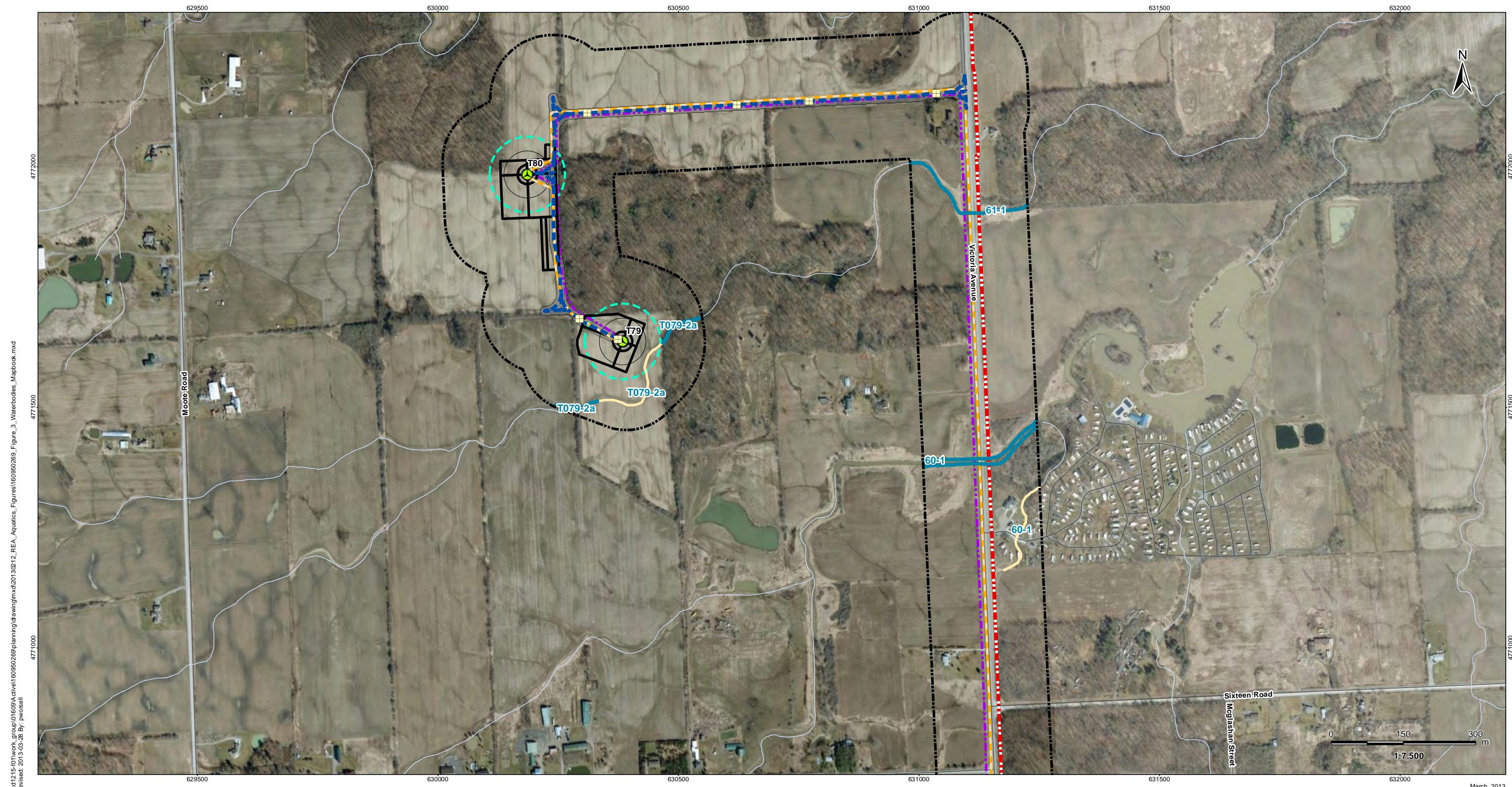
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 Water Assessment and Waterbody Report

Figure No.
3.19

Title
**Water Bodies
 Figure 3.19**



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160950269

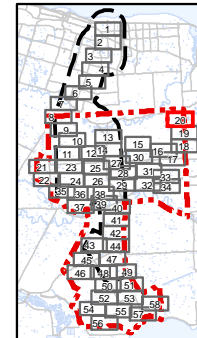


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|---------------------------------|-------------------------------------|---|
| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

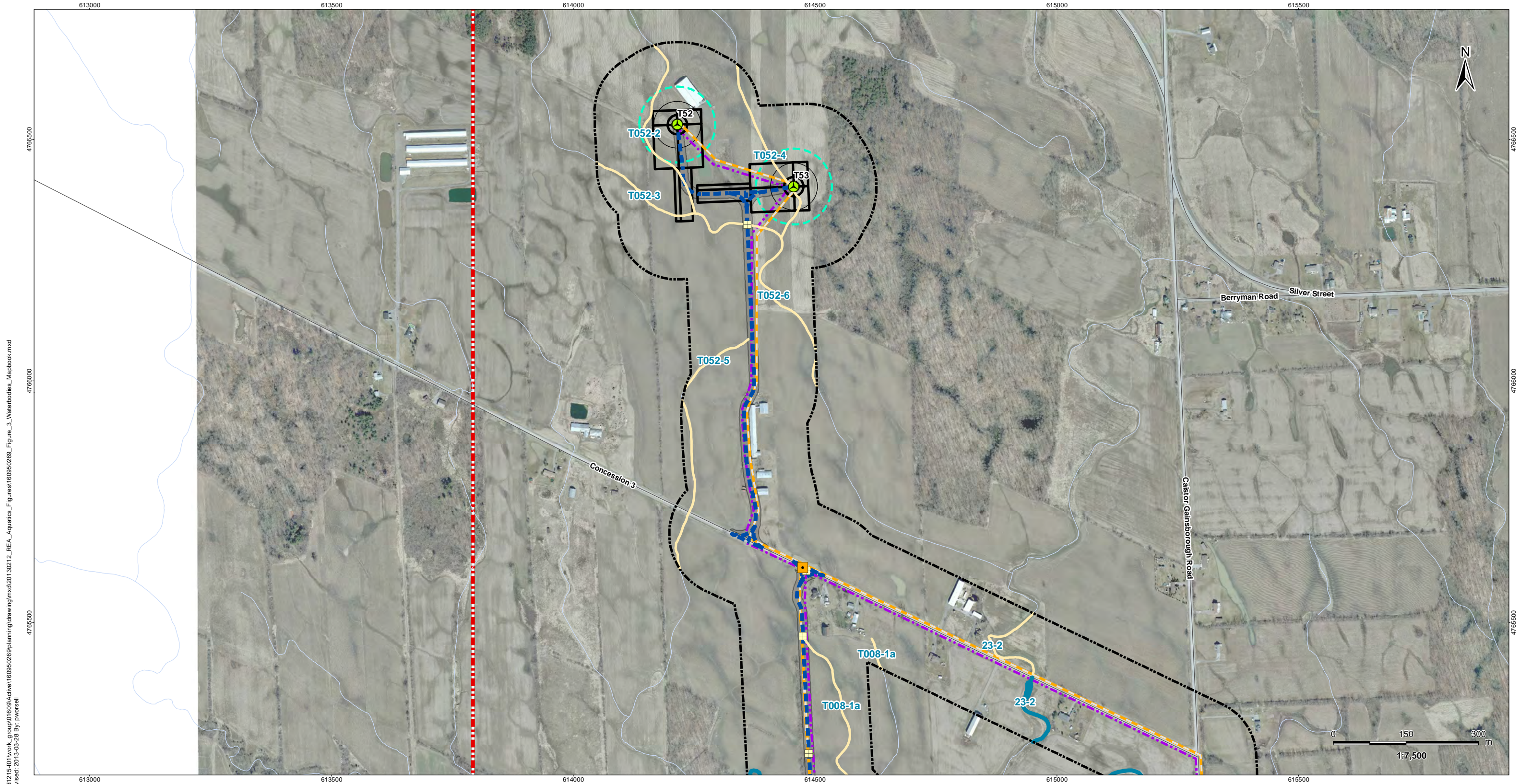
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Figure No.
 3.20

Title
Water Bodies
Figure 3.20



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 Revised: 2013-03-28 By: pwersell

March, 2013
160950269

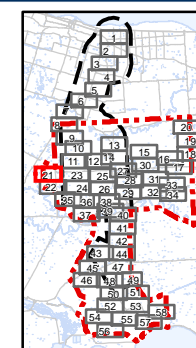


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|---------------------------------|-------------------------------------|---|
| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

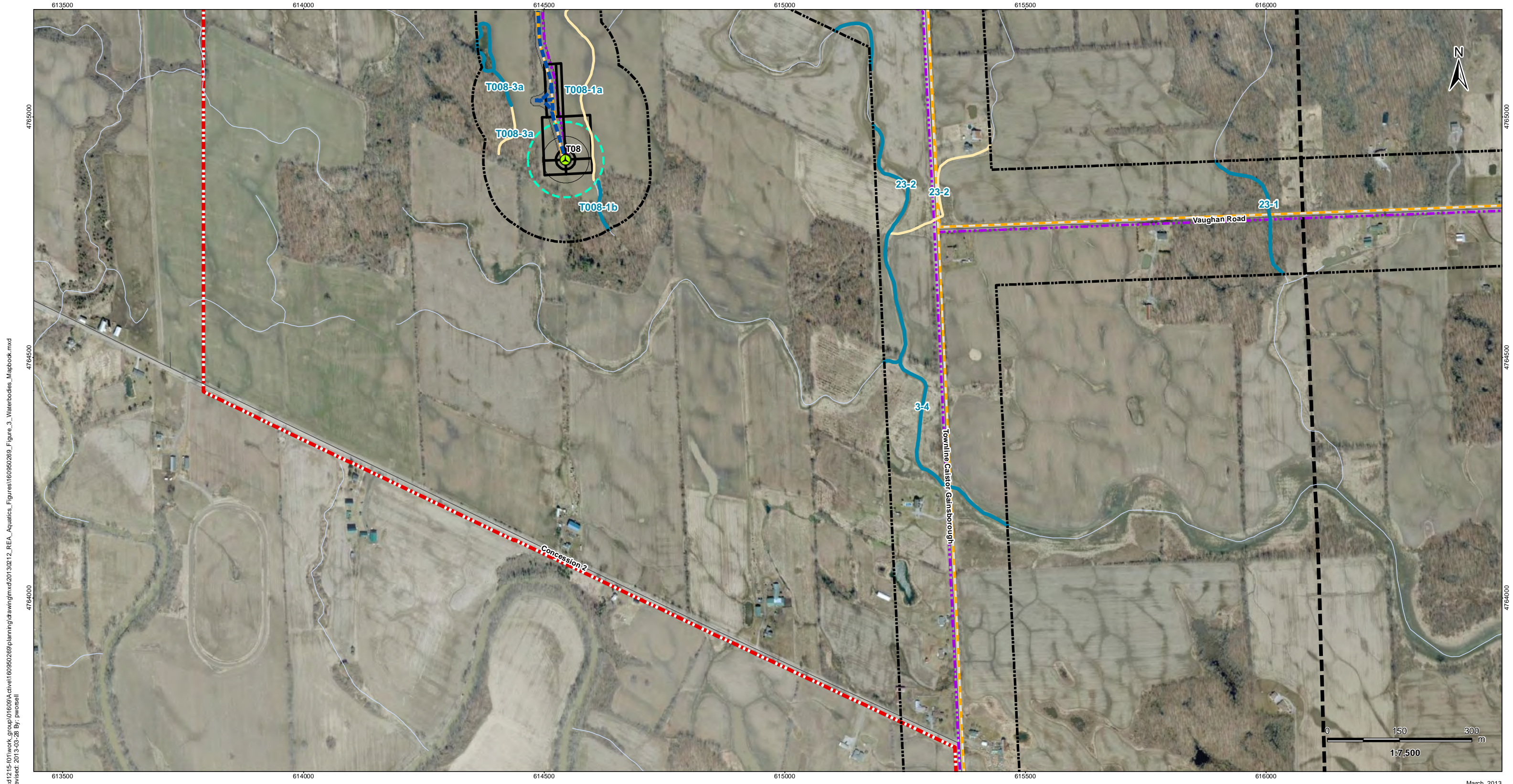
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Figure No.
 3.21

Title
Water Bodies
Figure 3.21



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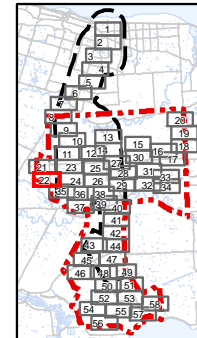


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|---------------------------------|-------------------------------------|---|
| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

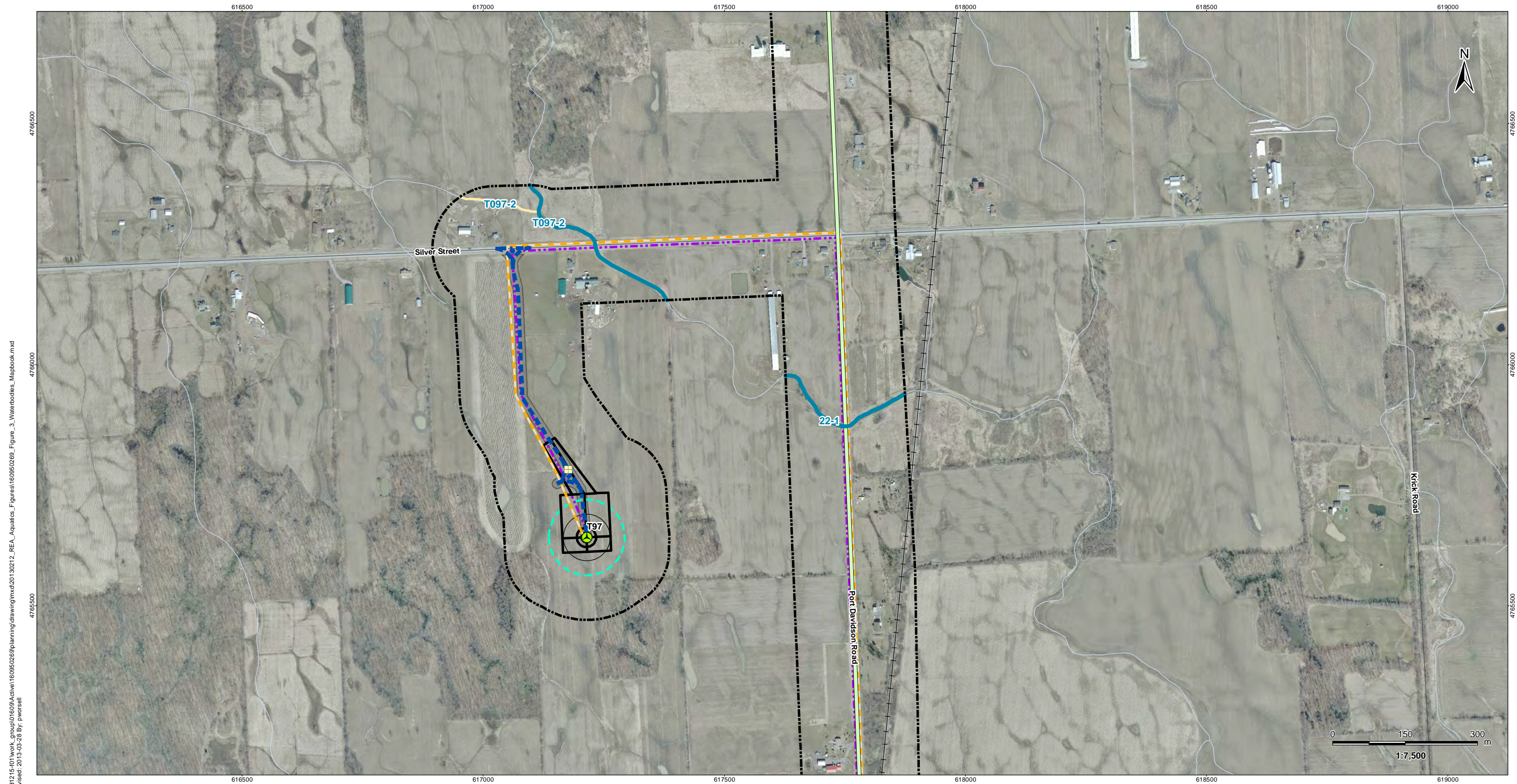
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Figure No.
 3.22

Title
**Water Bodies
 Figure 3.22**



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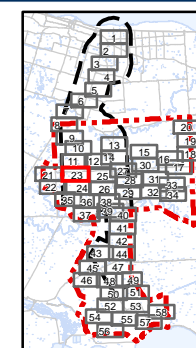


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|---------------------------------|-------------------------------------|---|
| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

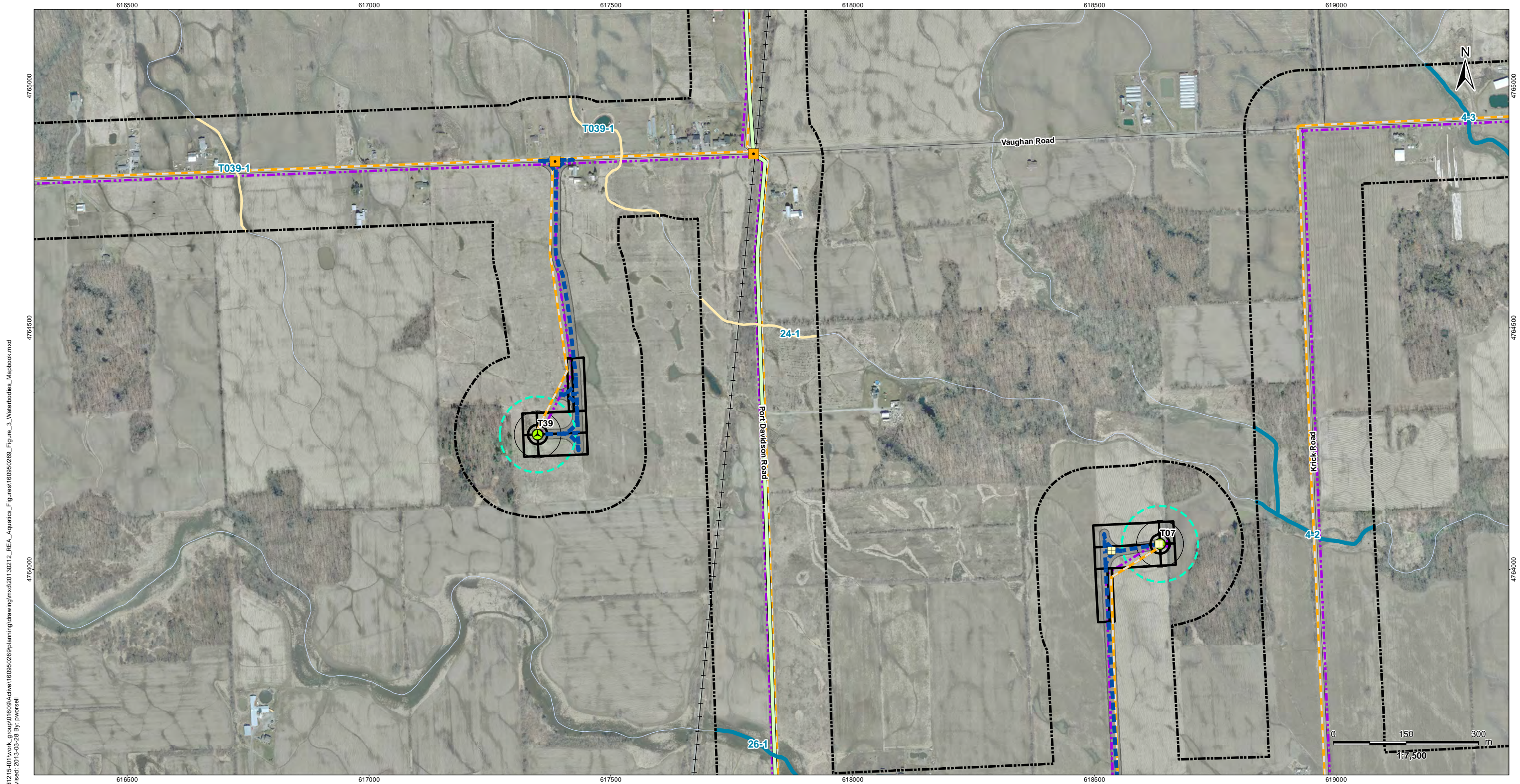
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Figure No.
 3.23

Title
Water Bodies
Figure 3.23



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160950269

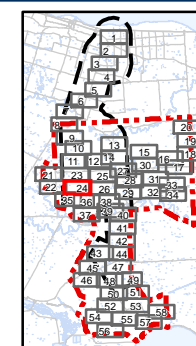


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|---------------------------------|-------------------------------------|---|
| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

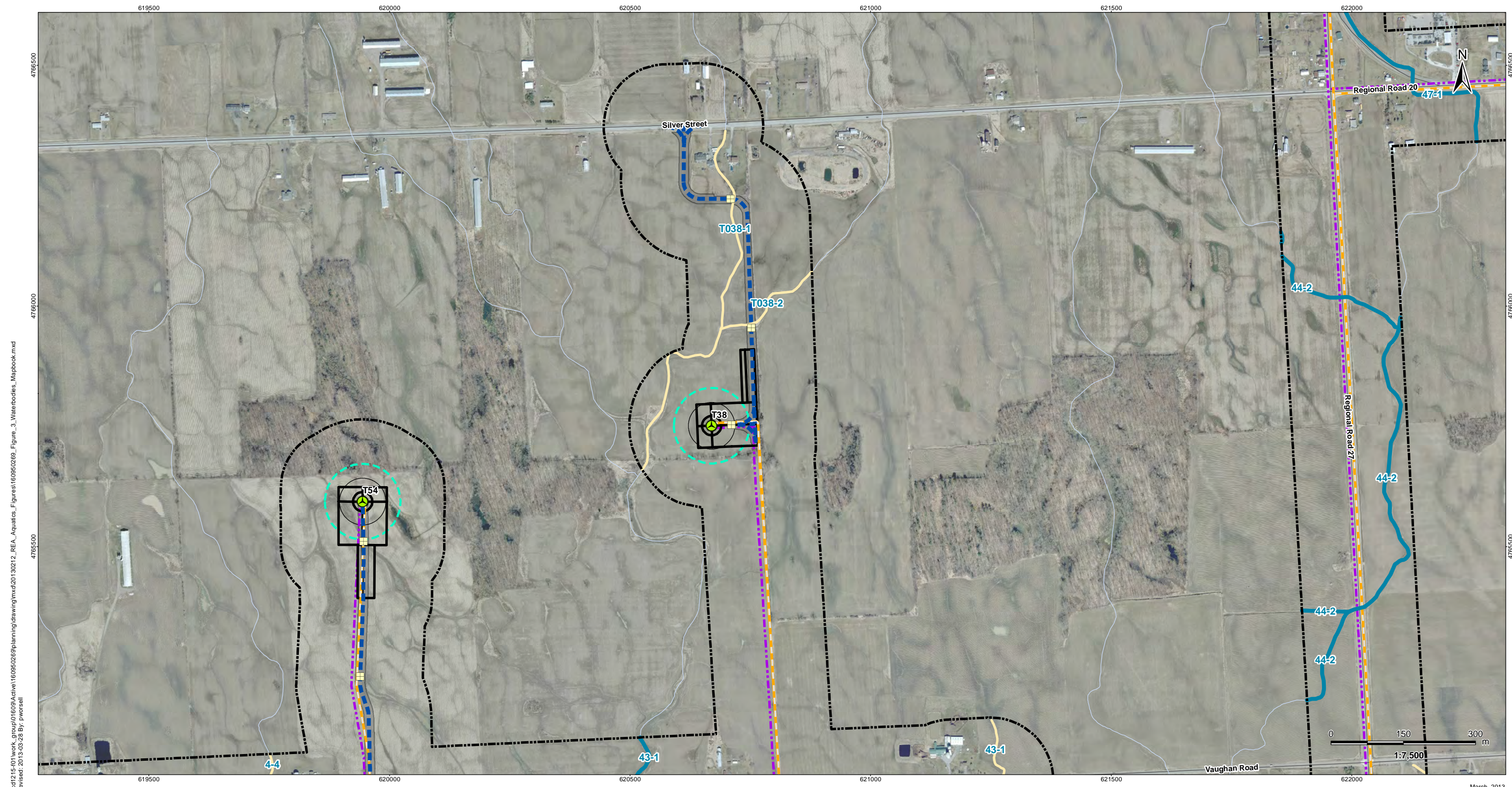
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 Water Assessment and Waterbody Report

Figure No.
 3.24

Title
Water Bodies
Figure 3.24



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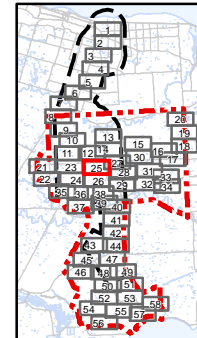


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|---------------------------------|-------------------------------------|---|
| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

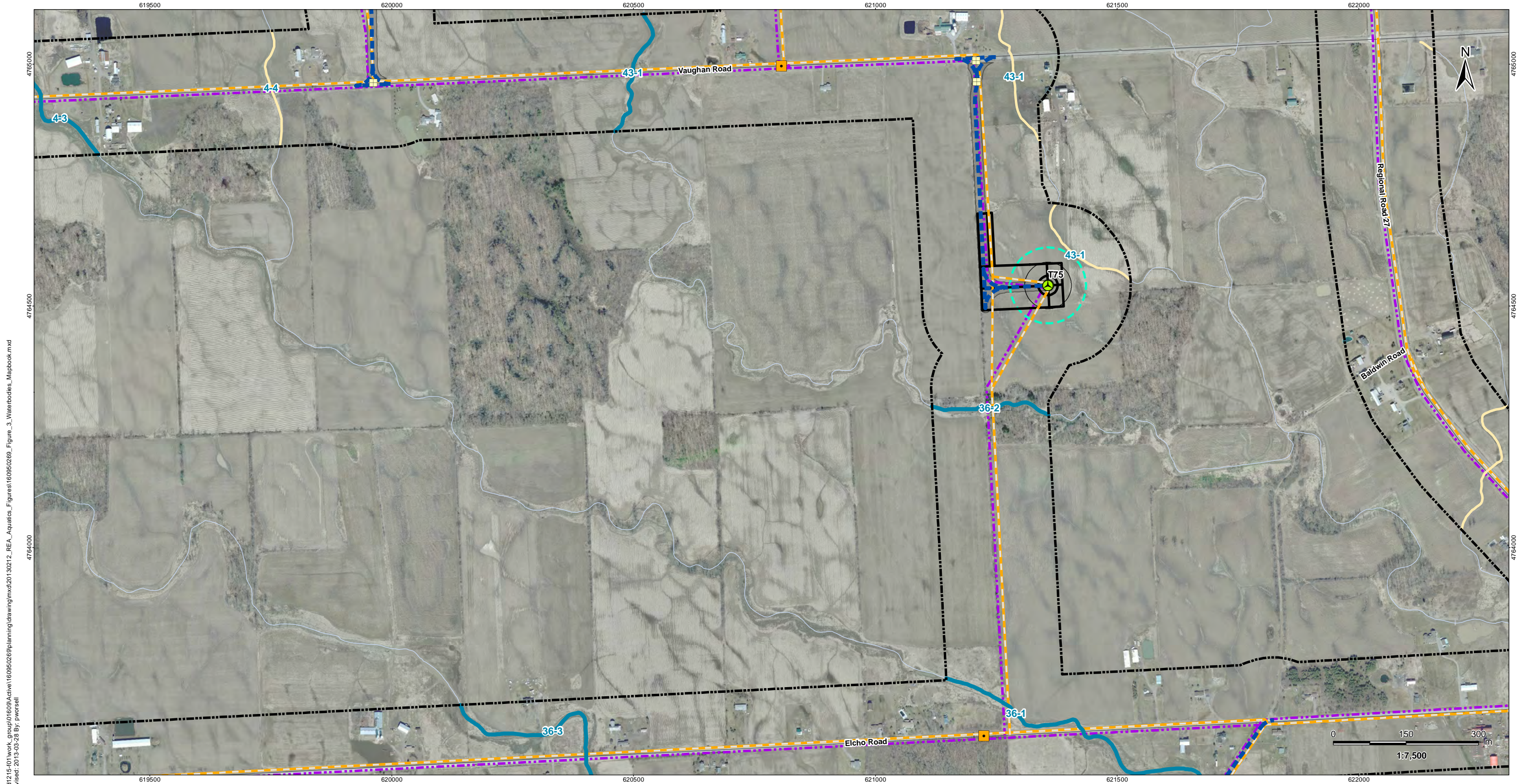
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Figure No.
 3.25

Title
Water Bodies
Figure 3.25



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160950269

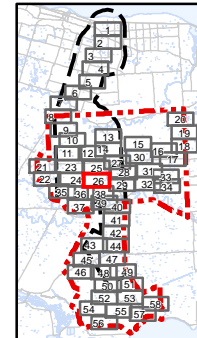


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|---------------------------------|-------------------------------------|---|
| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

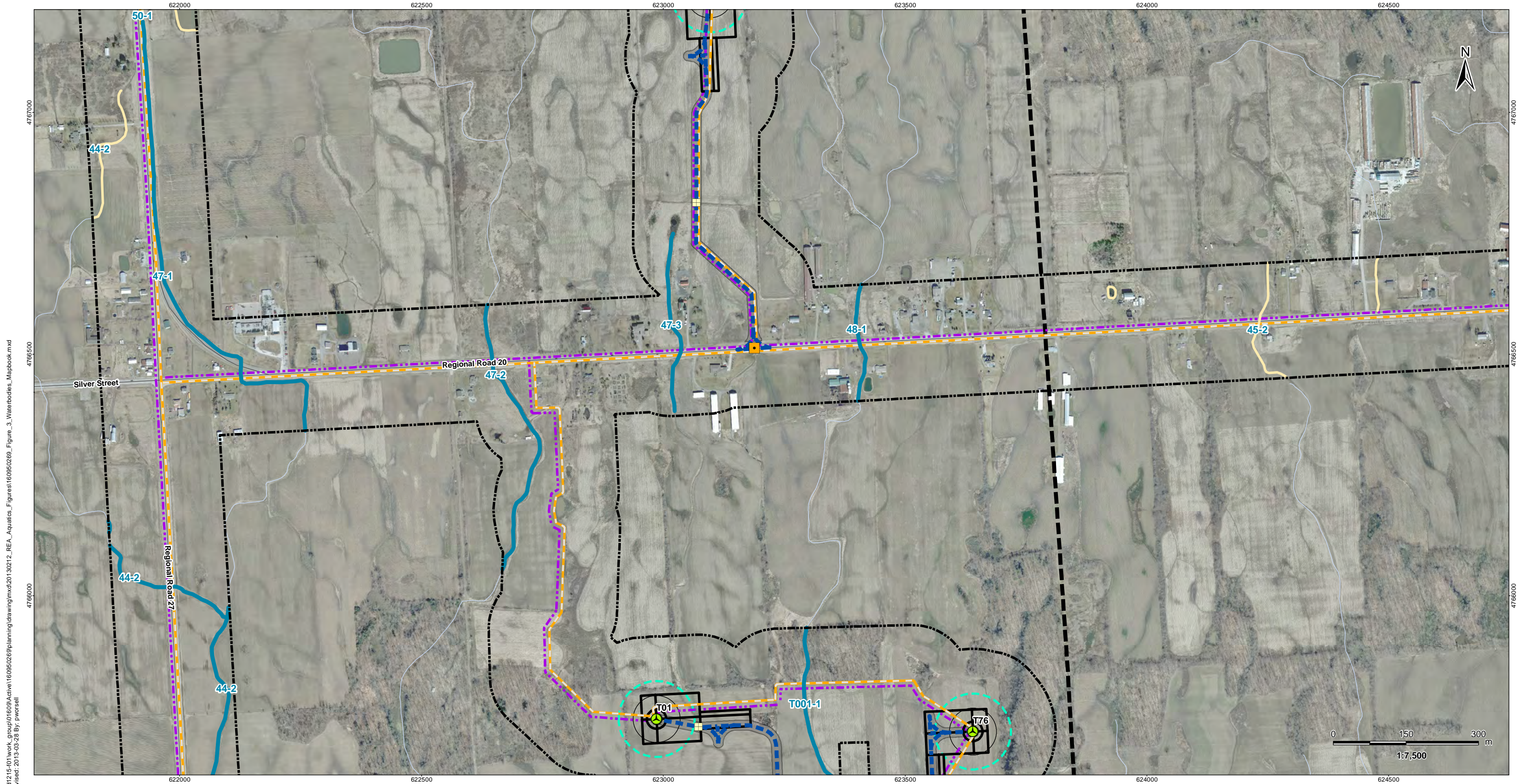
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Figure No.
 3.26

Title
Water Bodies
Figure 3.26



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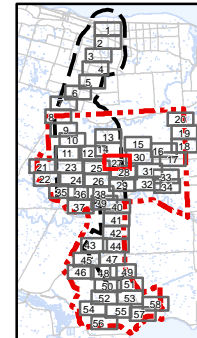


Legend

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|---------------------------------|-------------------------------------|---|
| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

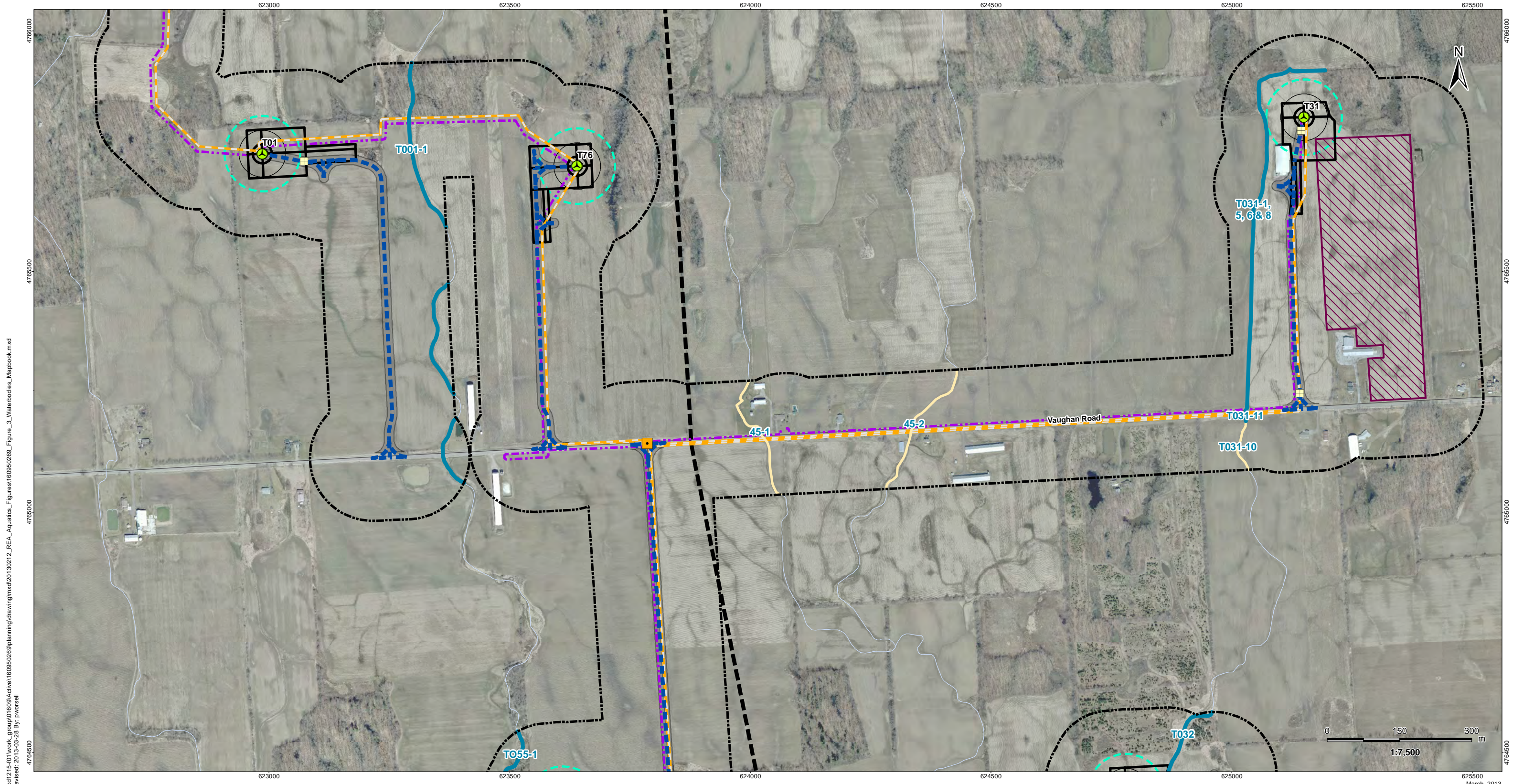
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 Niagara Region Wind Farm
 Water Assessment and Waterbody Report

Figure No.
 3.27

Title
Water Bodies
Figure 3.27



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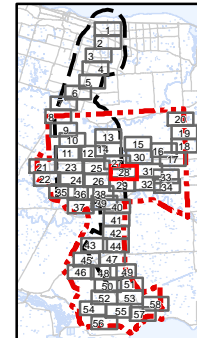


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|---------------------------------|-------------------------------------|---|
| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

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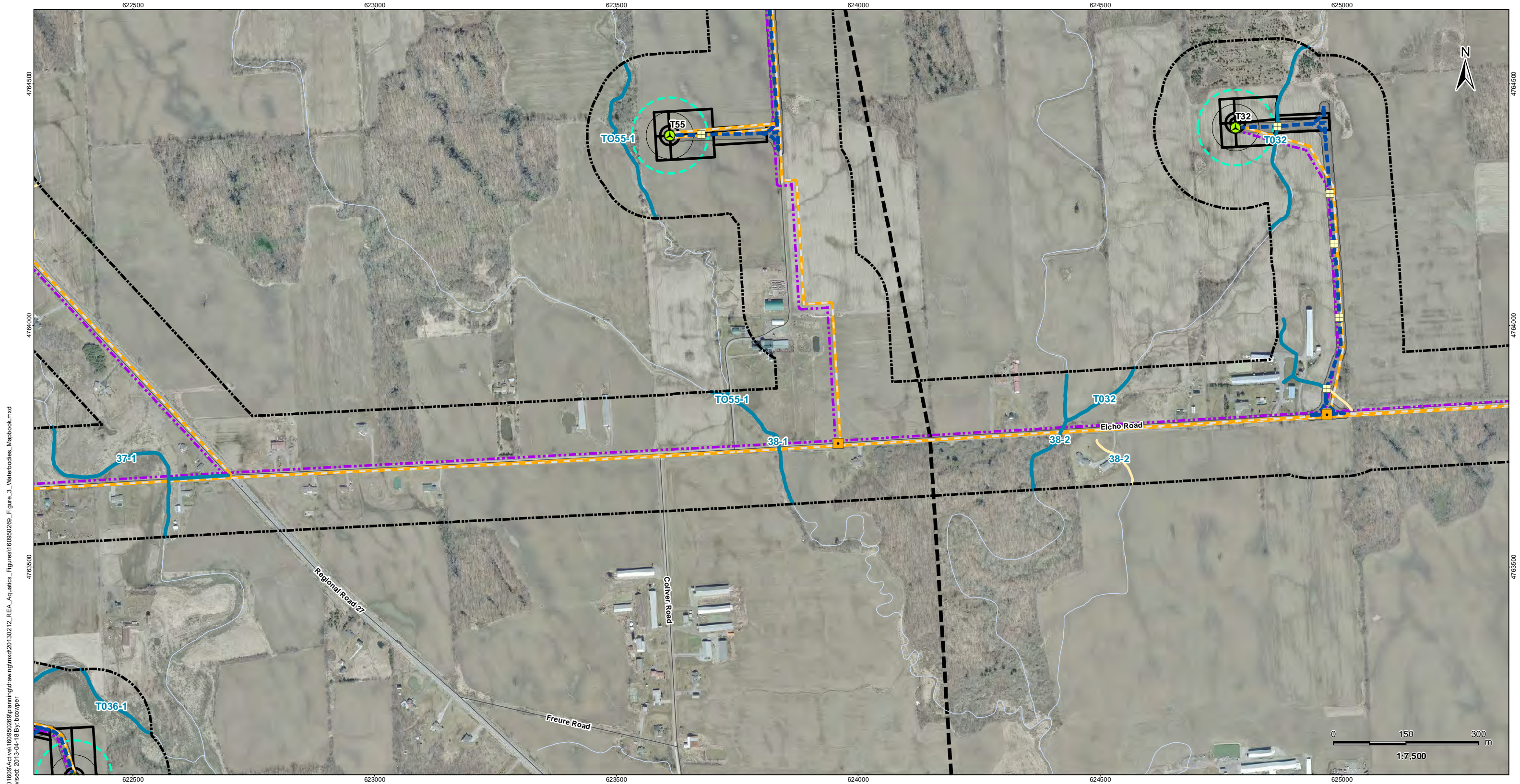


Client/Project
 Niagara Region Wind Corporation
 Niagara Region Wind Farm
 Water Assessment and Waterbody Report

Figure No.
 3.28

Title
Water Bodies
Figure 3.28

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 Revised: 2013-04-18 By: bowper

April, 2013
160950269

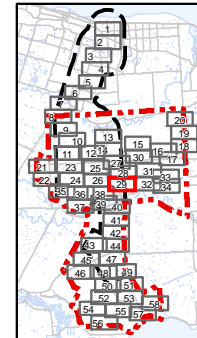


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| Project Study Area | Turbine Blade Length 30m Buffer | Transformer Substation |
| Interconnector Study Area | Turbine Blade Length | Potential Construction Laydown Area |
| 120m Zone of Investigation | Tap-in Location | Collector Lines – Underground or Overhead |
| Watercourse (MNR) | Transformer Substation Location | Fibre Optic Line |
| Waterbody | Junction Box | Potential Access Road |
| Non-waterbody | Proposed Culvert | Access Road 20m Construction Area |
| Proposed Turbine Location | Preferred Transmission Route | |
| | Alternate Transmission Route | |
| | Temporary Laydown Area | |

Notes

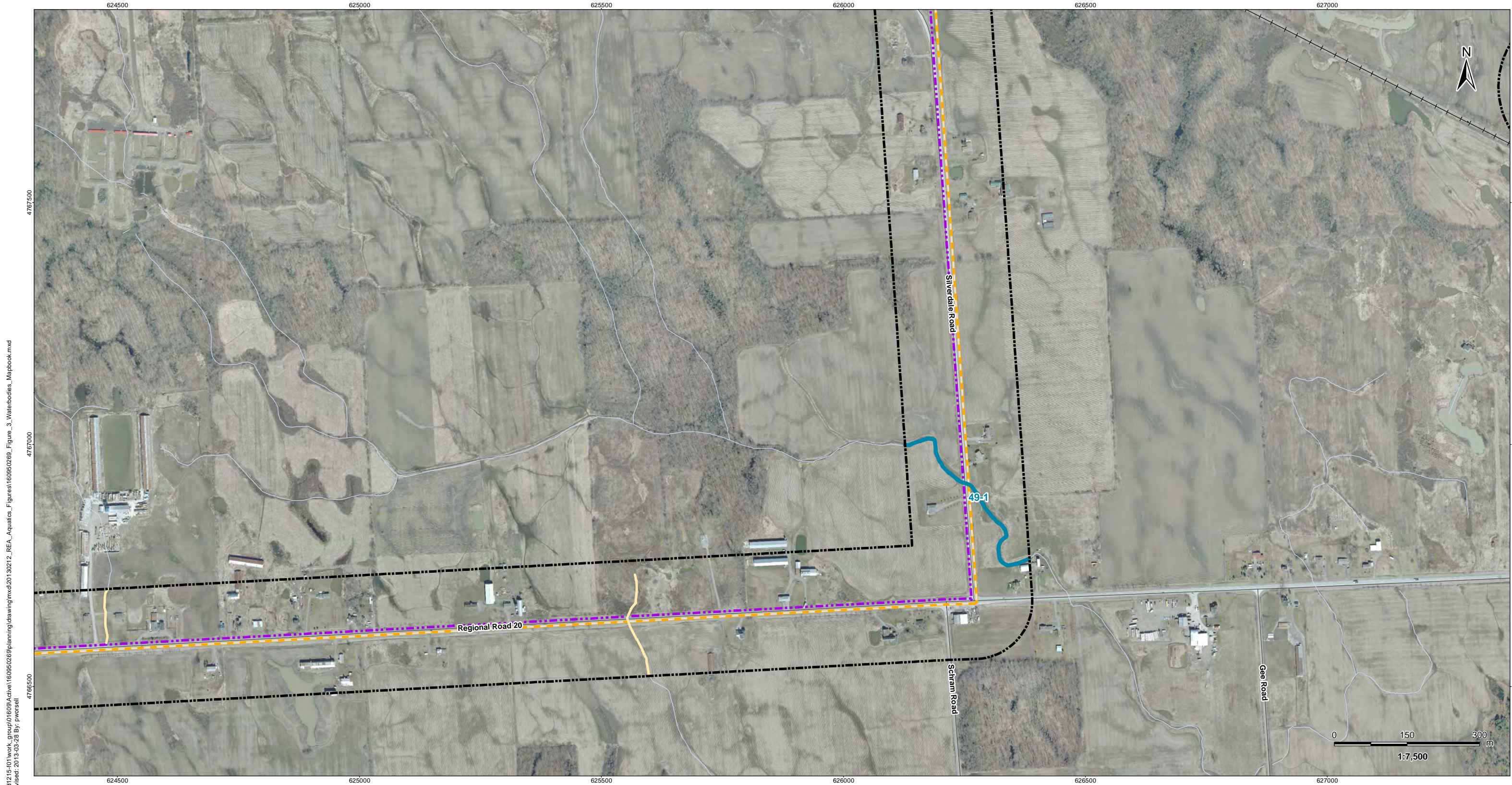
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 Niagara Region Wind Farm
 Water Assessment and Waterbody Report

Figure No.
 3.29

Title
Water Bodies
Figure 3.29



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March, 2013
160950269

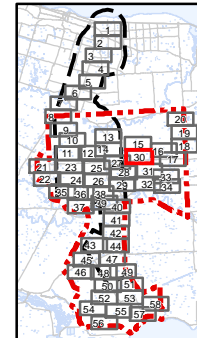


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| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

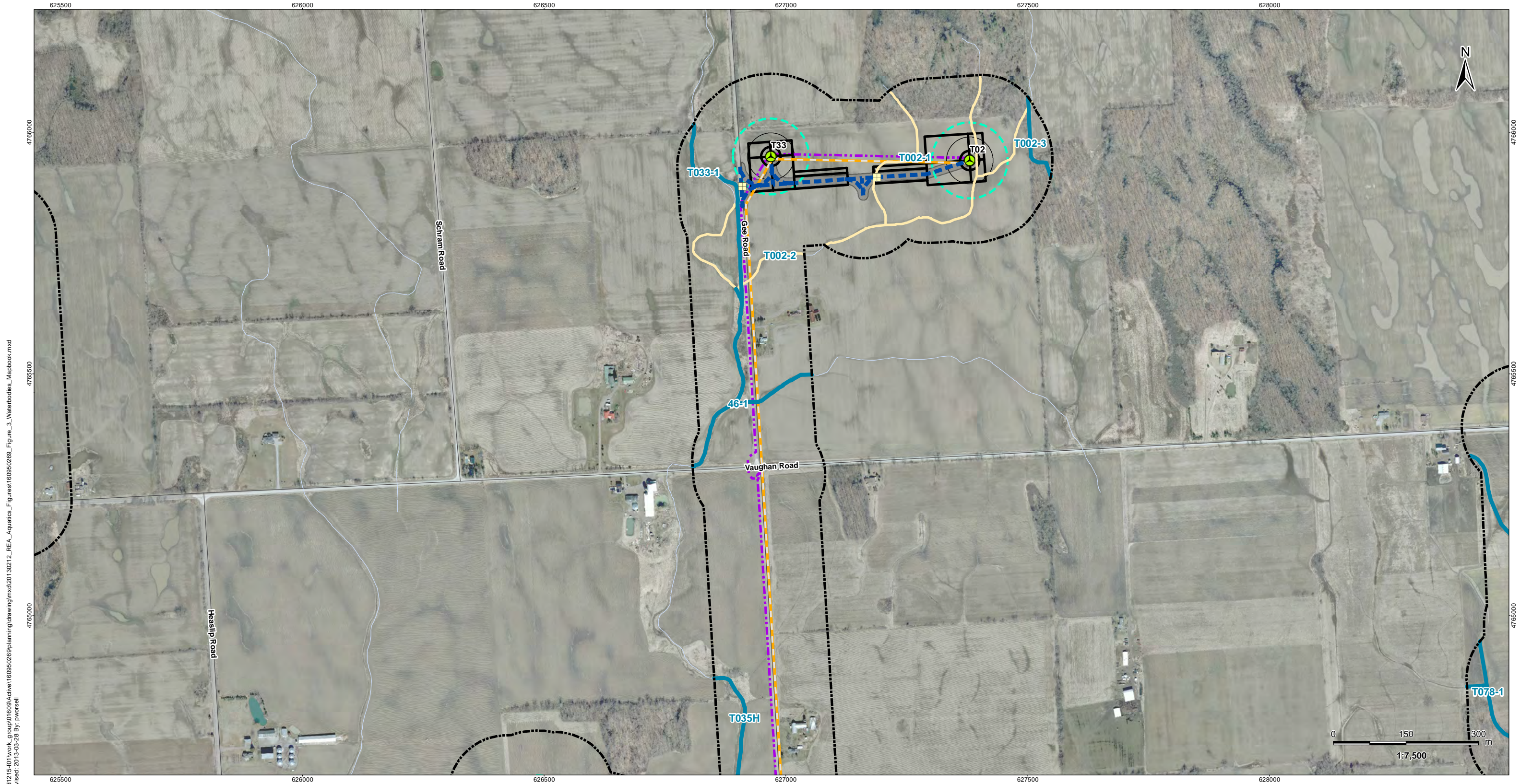
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 Niagara Region Wind Corporation
 Niagara Region Wind Farm
 Water Assessment and Waterbody Report

Figure No.
3.30

Title
**Water Bodies
 Figure 3.30**



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 Revised: 2013-03-28 By: pwersell

March, 2013
160950269

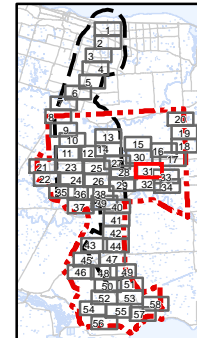


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| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

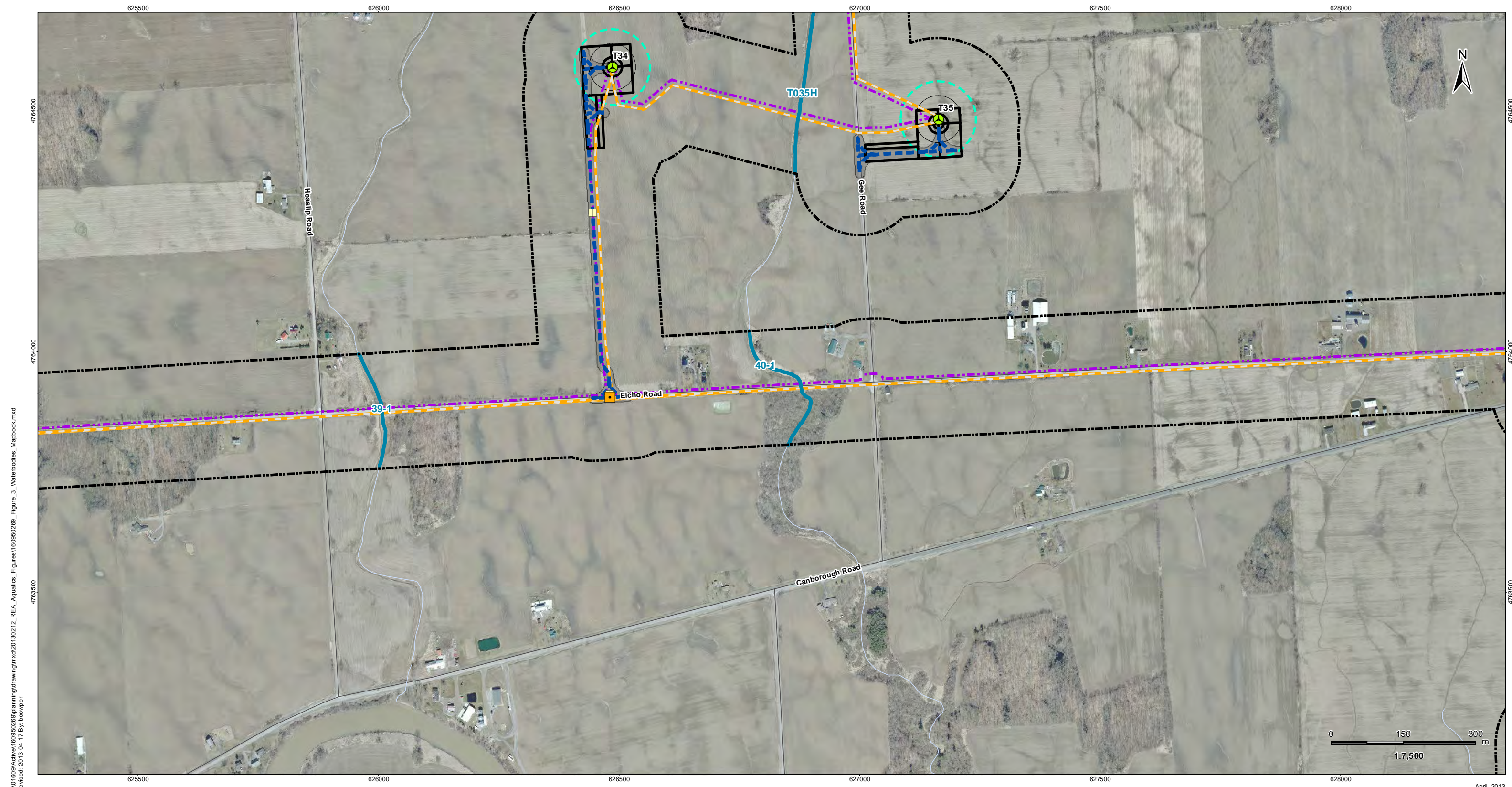
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 Niagara Region Wind Farm
 Water Assessment and Waterbody Report

Figure No.
3.31

Title
**Water Bodies
 Figure 3.31**



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April, 2013
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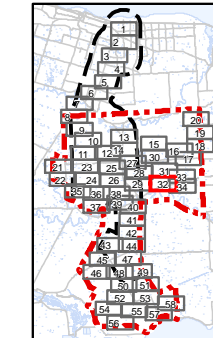


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|----------------------------|---------------------------------|---|
| Project Study Area | Turbine Blade Length 30m Buffer | Transformer Substation |
| Interconnector Study Area | Turbine Blade Length | Potential Construction Laydown Area |
| 120m Zone of Investigation | Tap-in Location | Collector Lines – Underground or Overhead |
| Watercourse (MNR) | Transformer Substation Location | Fibre Optic Line |
| Waterbody | Junction Box | Potential Access Road |
| Non-waterbody | Proposed Culvert | Access Road 20m Construction Area |
| Proposed Turbine Location | Preferred Transmission Route | |
| | Alternate Transmission Route | |
| | Temporary Laydown Area | |

Notes

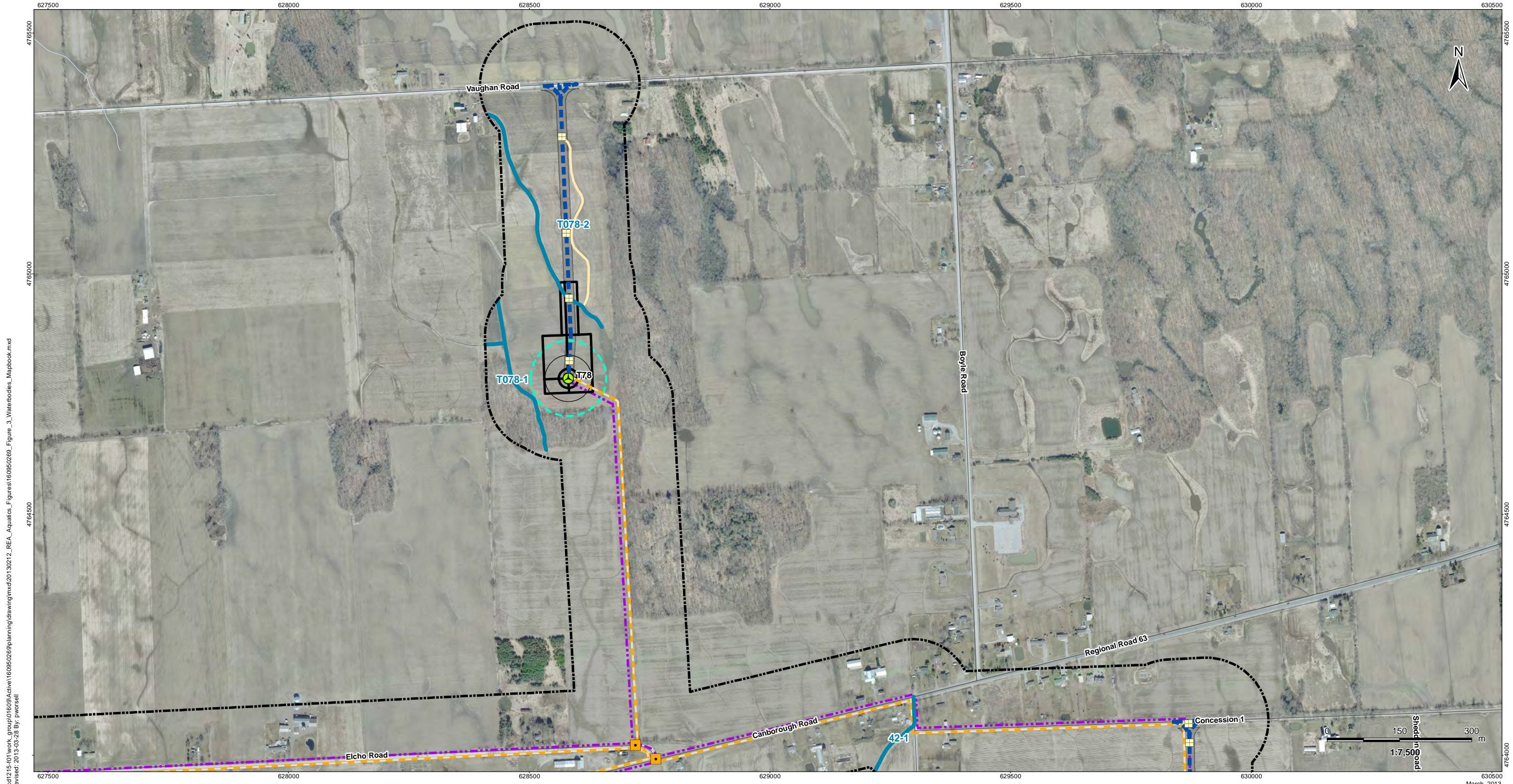
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 Water Assessment and Waterbody Report

Figure No.
3.32

Title
**Water Bodies
 Figure 3.32**



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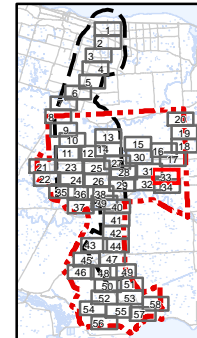


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|---------------------------------|-------------------------------------|---|
| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

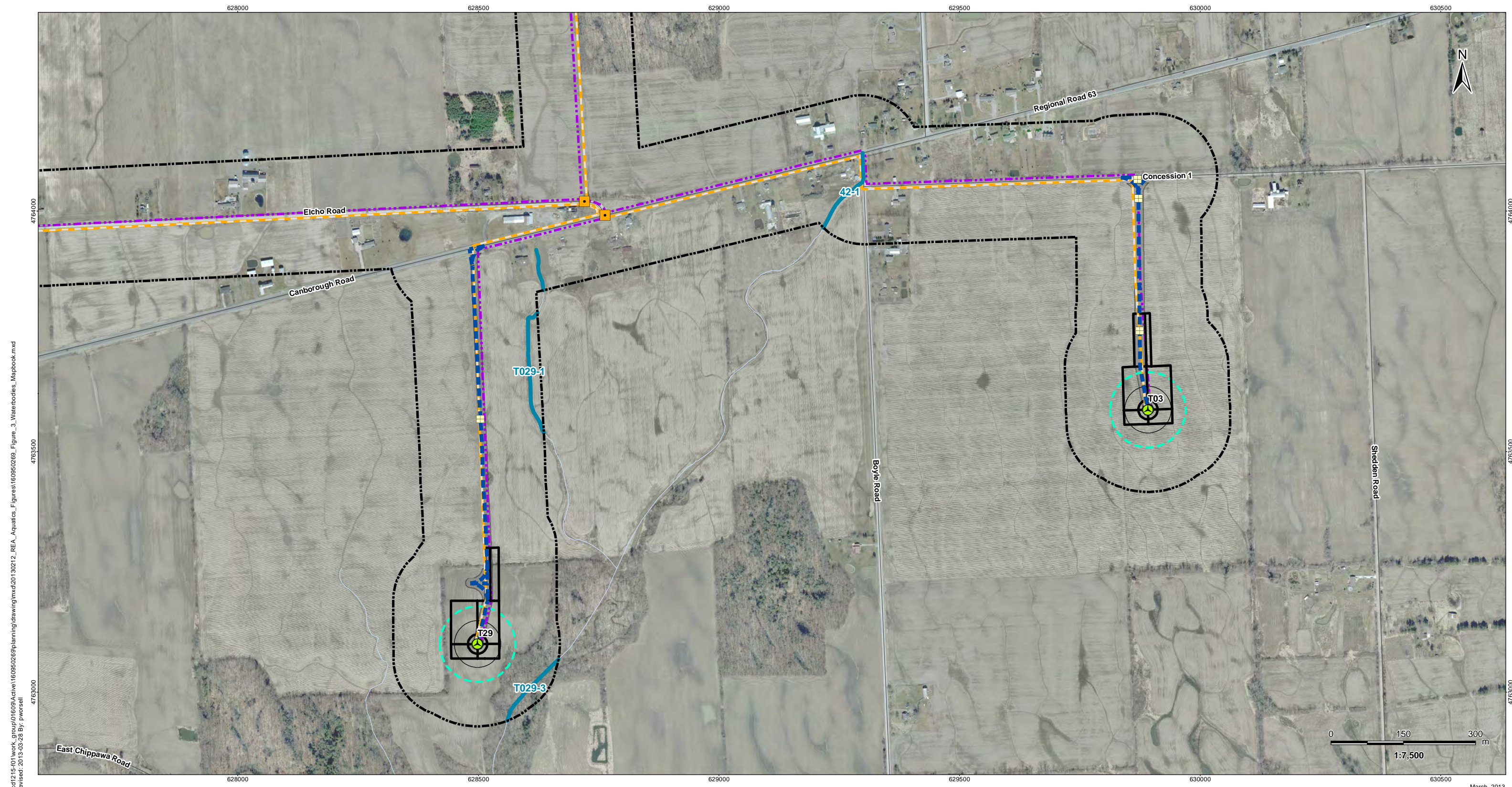
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 Niagara Region Wind Farm
 Water Assessment and Waterbody Report

Figure No.
 3.33

Title
Water Bodies
Figure 3.33



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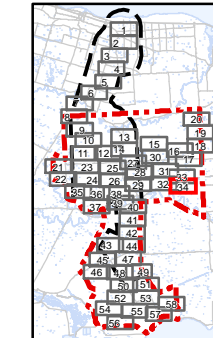


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| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

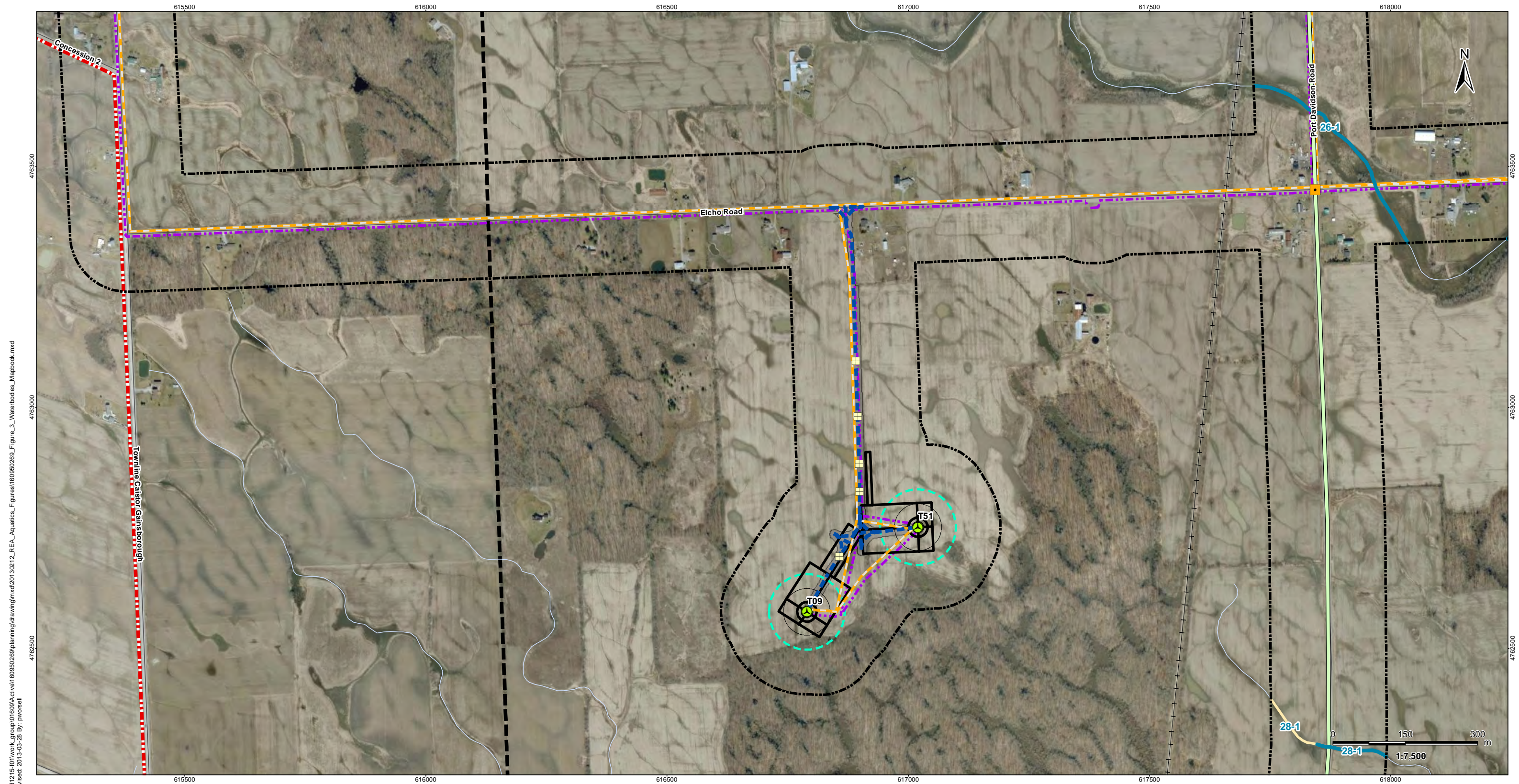
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 Niagara Region Wind Farm
 Water Assessment and Waterbody Report

Figure No.
3.34

Title
**Water Bodies
 Figure 3.34**



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 Revised: 2013-03-28 By: pwnorell

March, 2013
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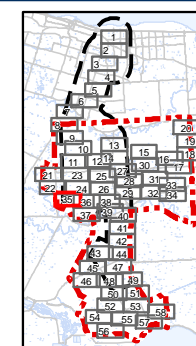


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| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

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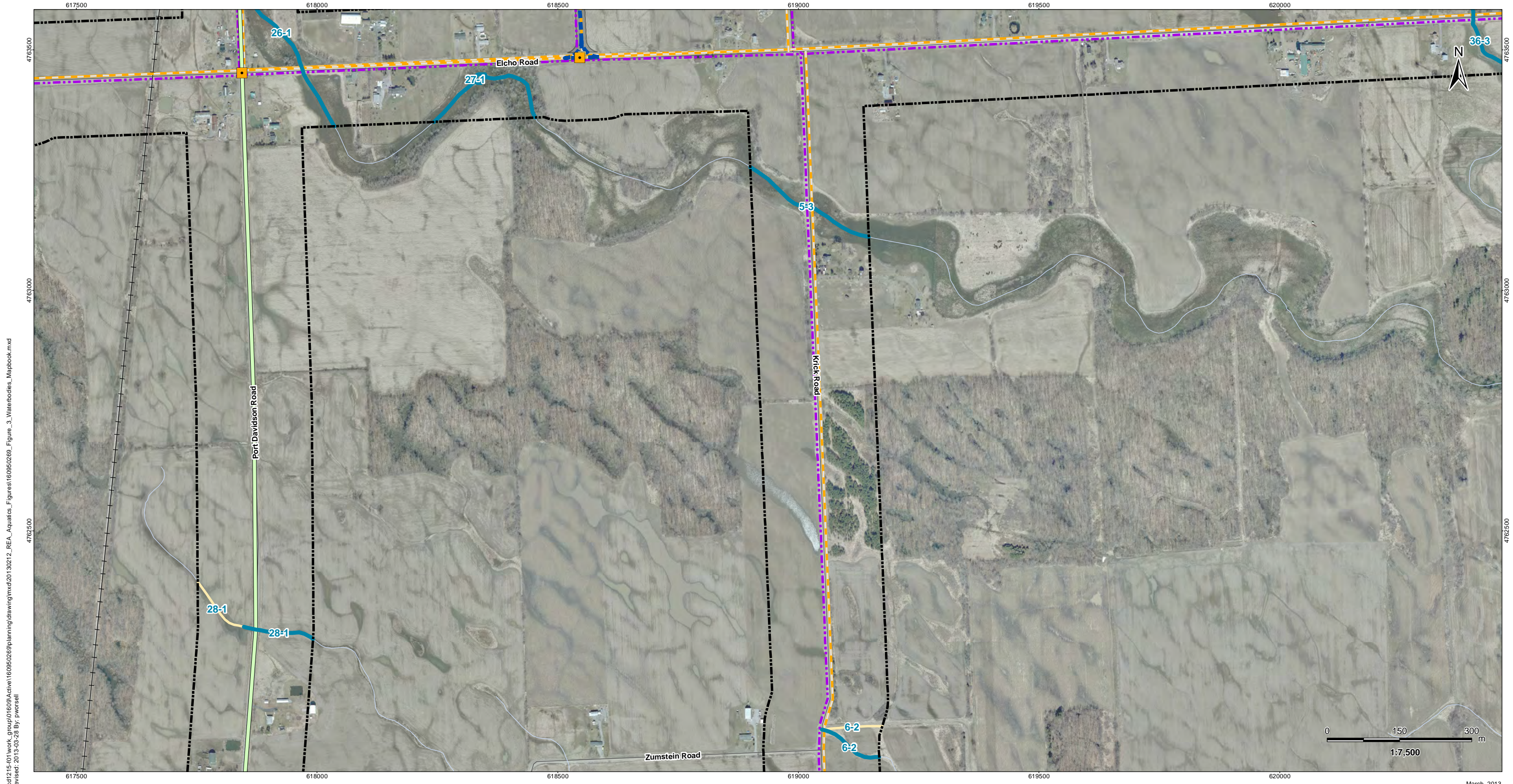
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 Niagara Region Wind Farm
 Water Assessment and Waterbody Report

Figure No.
 3.35

Title
Water Bodies
Figure 3.35



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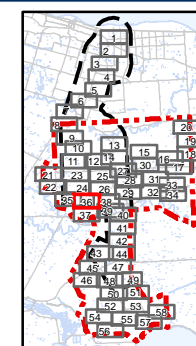


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| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

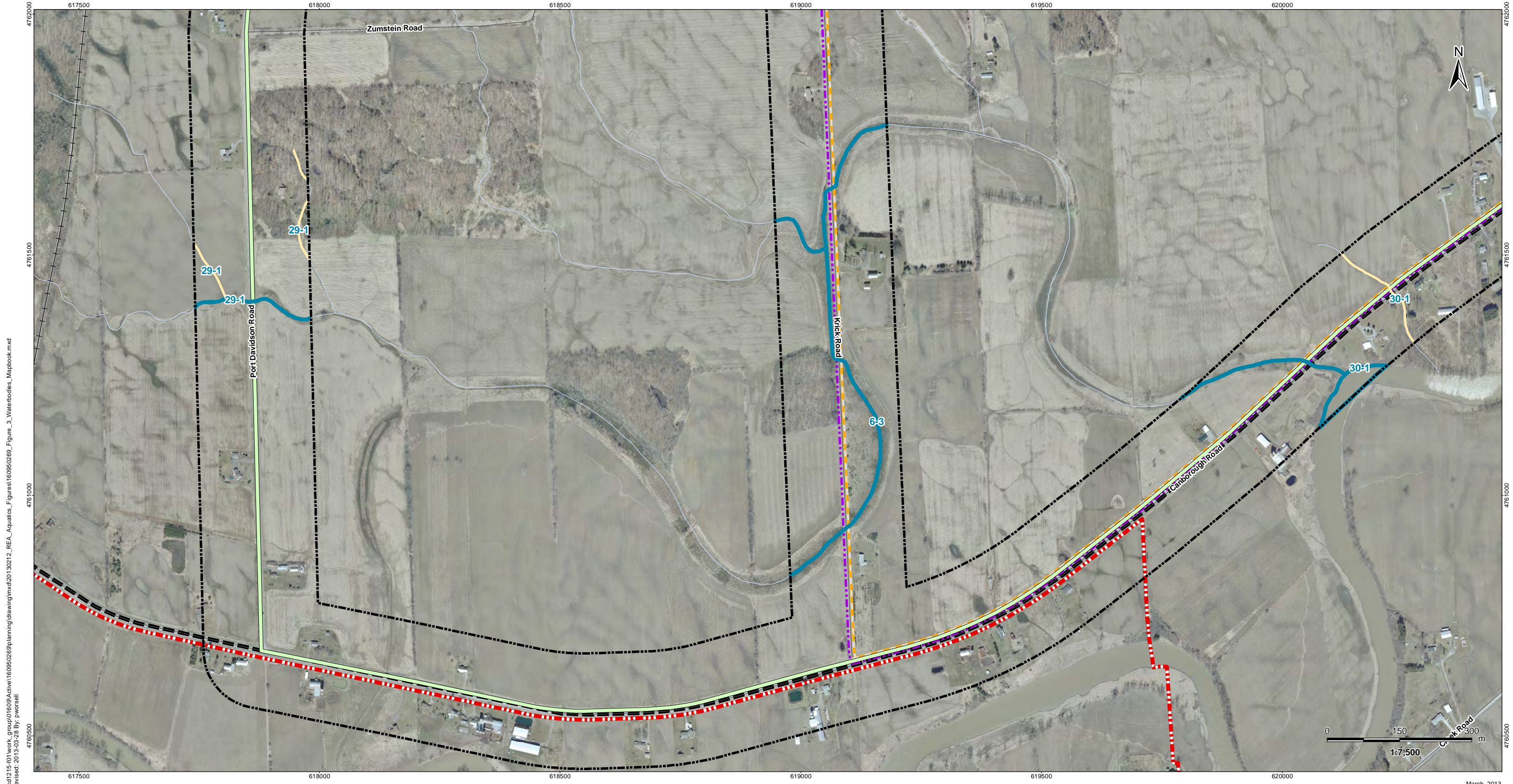
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 Niagara Region Wind Farm
 Water Assessment and Waterbody Report

Figure No.
 3.36

Title
Water Bodies
Figure 3.36



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160950269

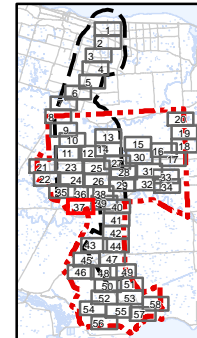


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| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

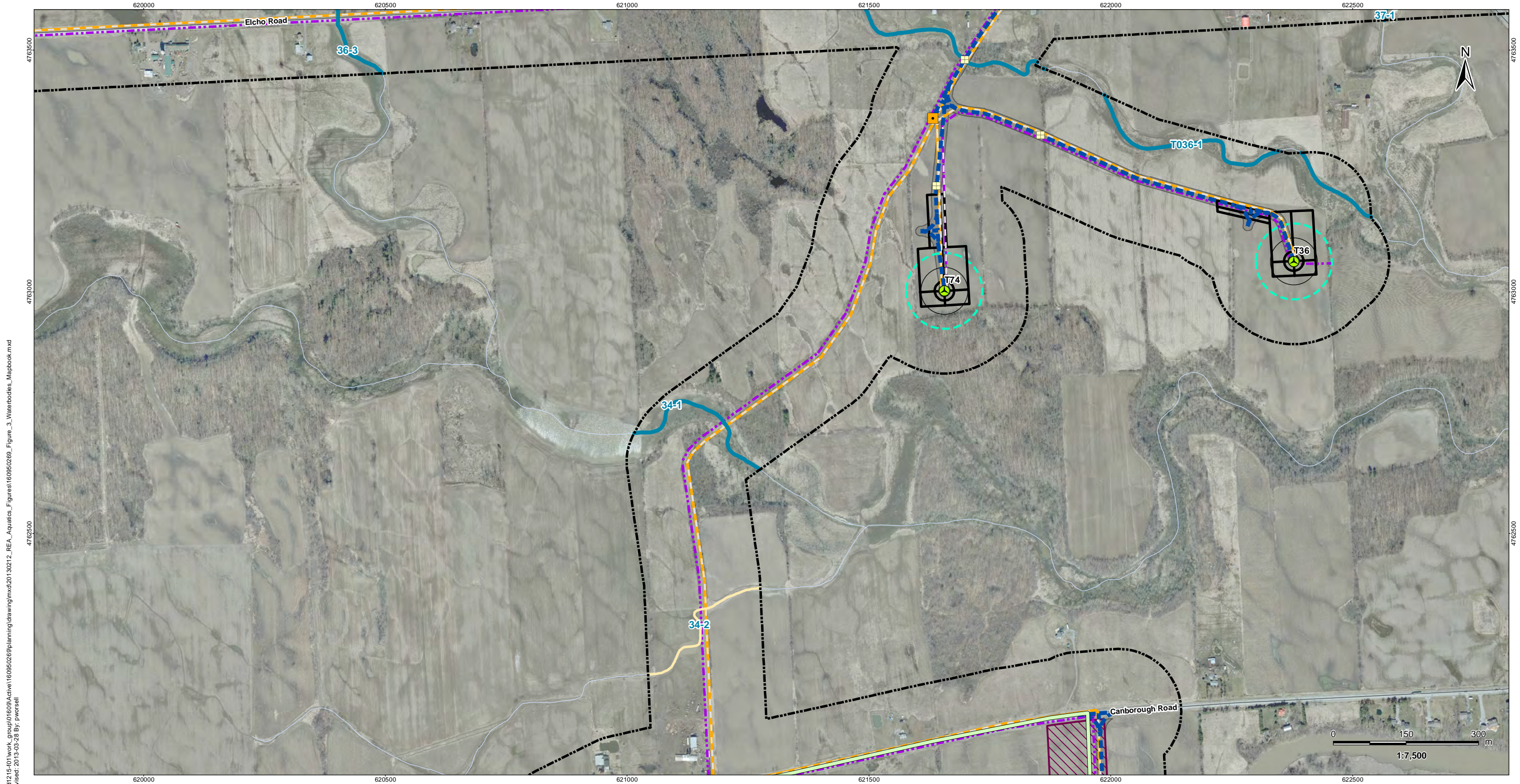
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 Niagara Region Wind Corporation
 Niagara Region Wind Farm
 Water Assessment and Waterbody Report

Figure No.
3.37

Title
**Water Bodies
 Figure 3.37**



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March, 2013
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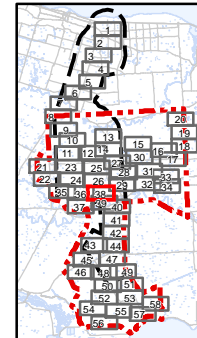


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| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

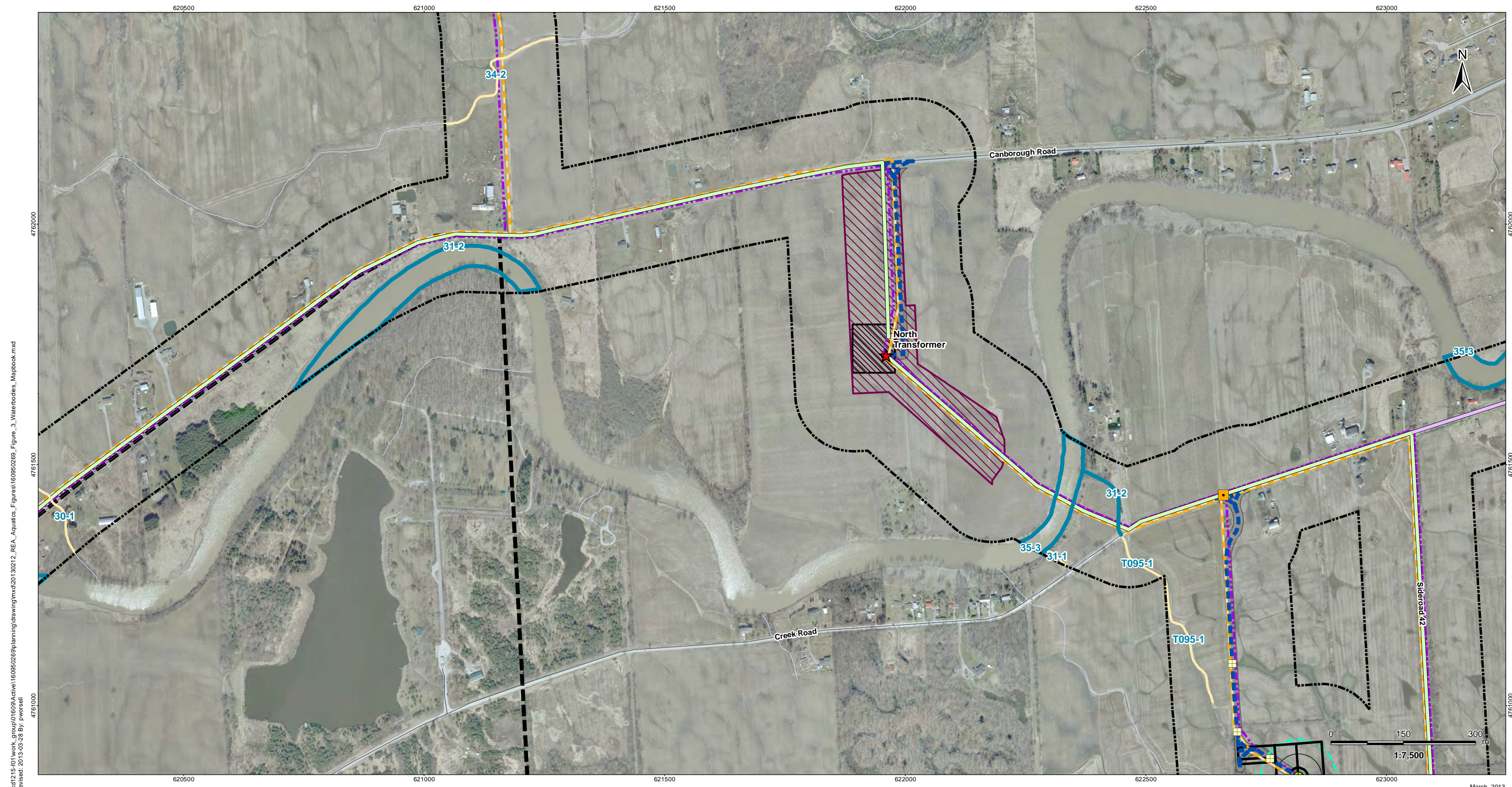
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 Niagara Region Wind Farm
 Water Assessment and Waterbody Report

Figure No.
3.38

Title
**Water Bodies
 Figure 3.38**



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160950269

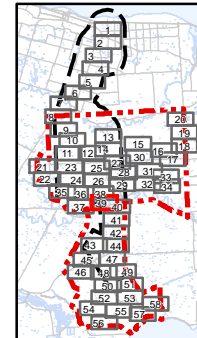


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|---------------------------------|-------------------------------------|---|
| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

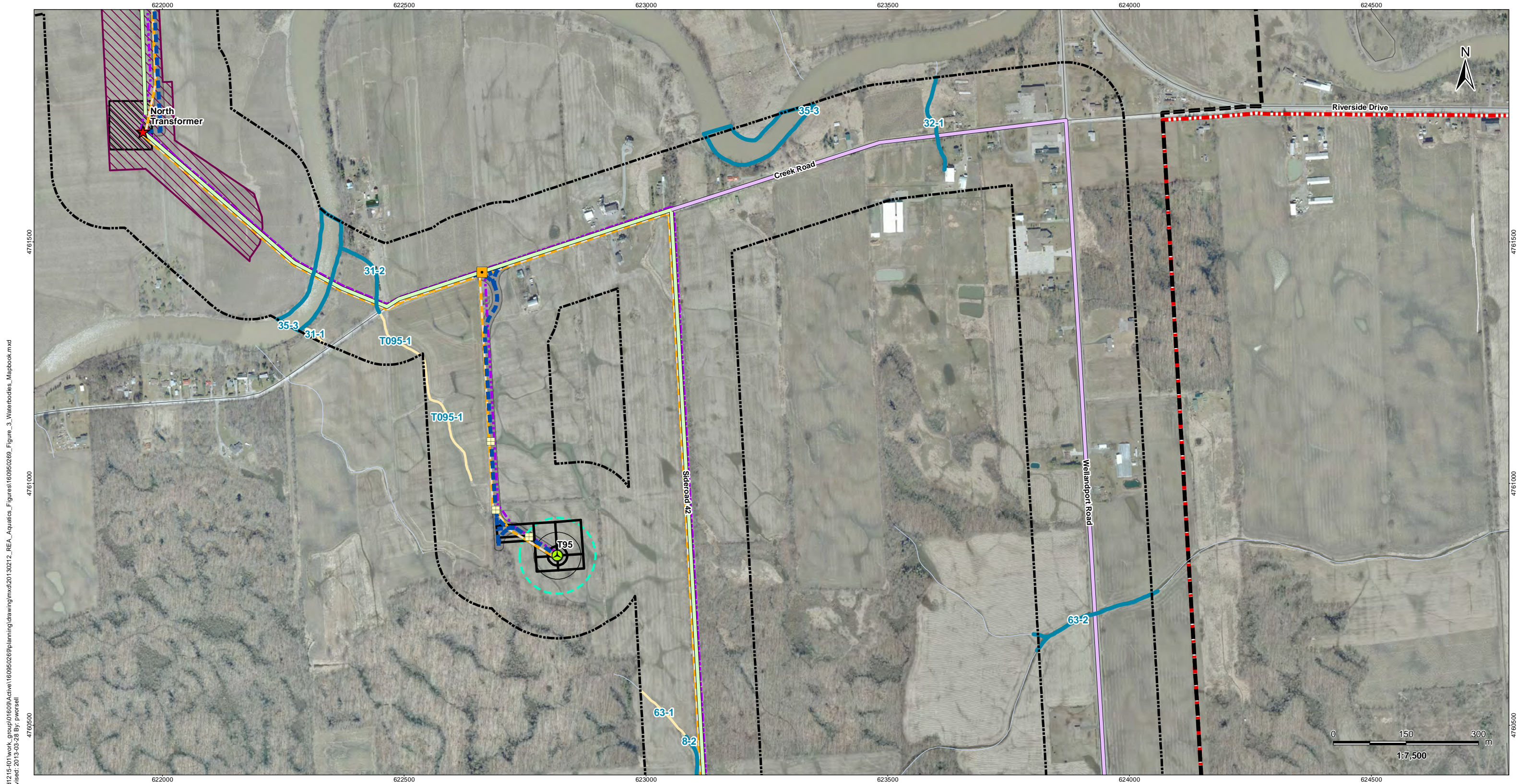
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 Niagara Region Wind Farm
 Water Assessment and Waterbody Report

Figure No.
 3.39

Title
Water Bodies
Figure 3.39



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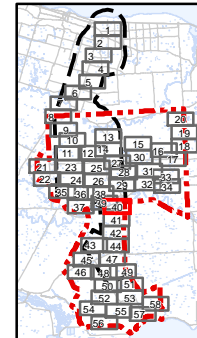


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|---------------------------------|-------------------------------------|---|
| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

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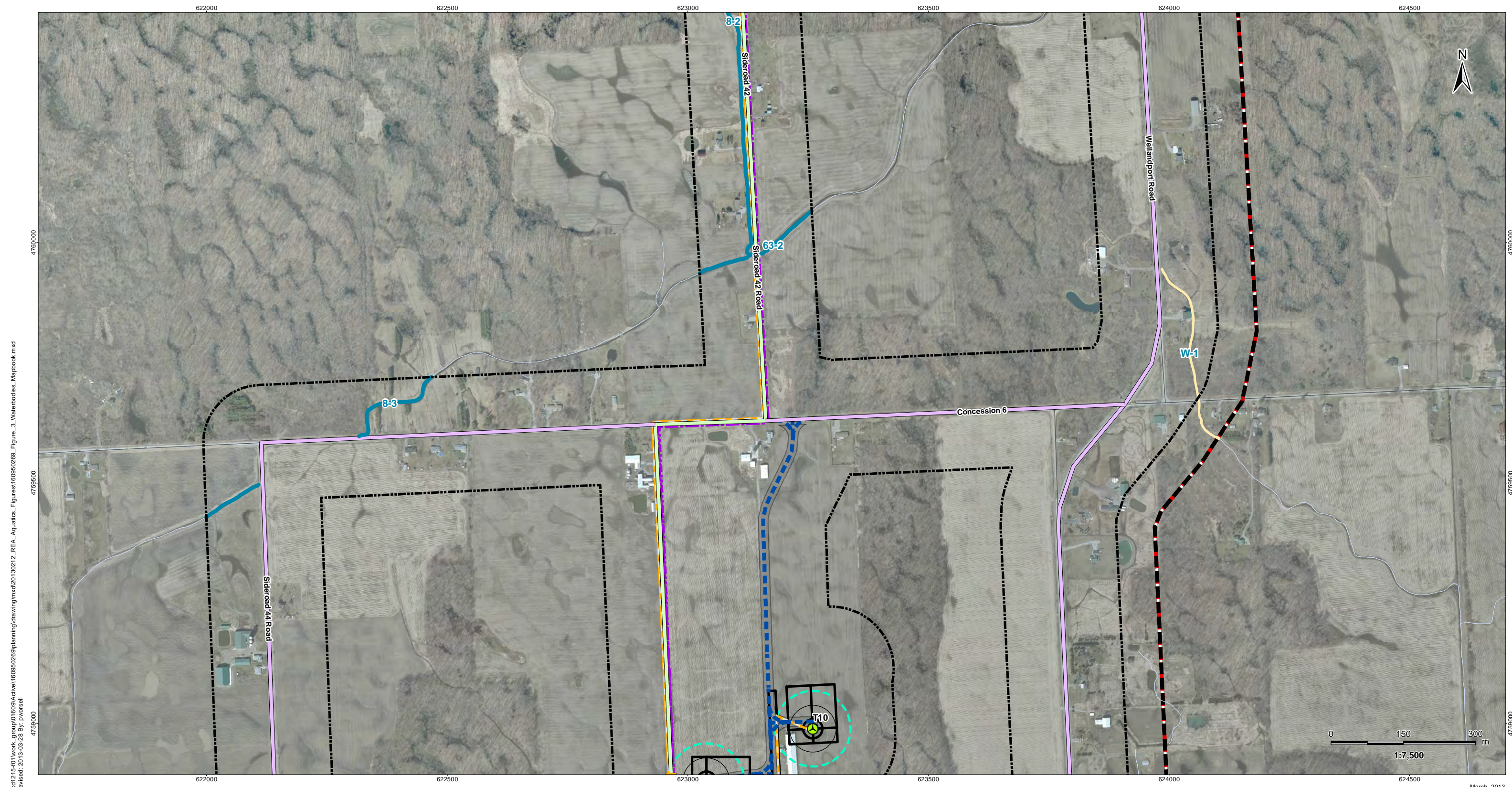
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Figure No.
 3.40

Title
Water Bodies
Figure 3.40



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March, 2013
160950269

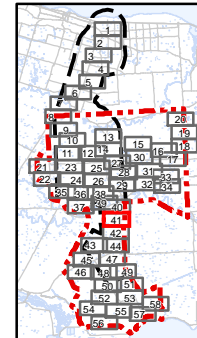


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| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
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| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

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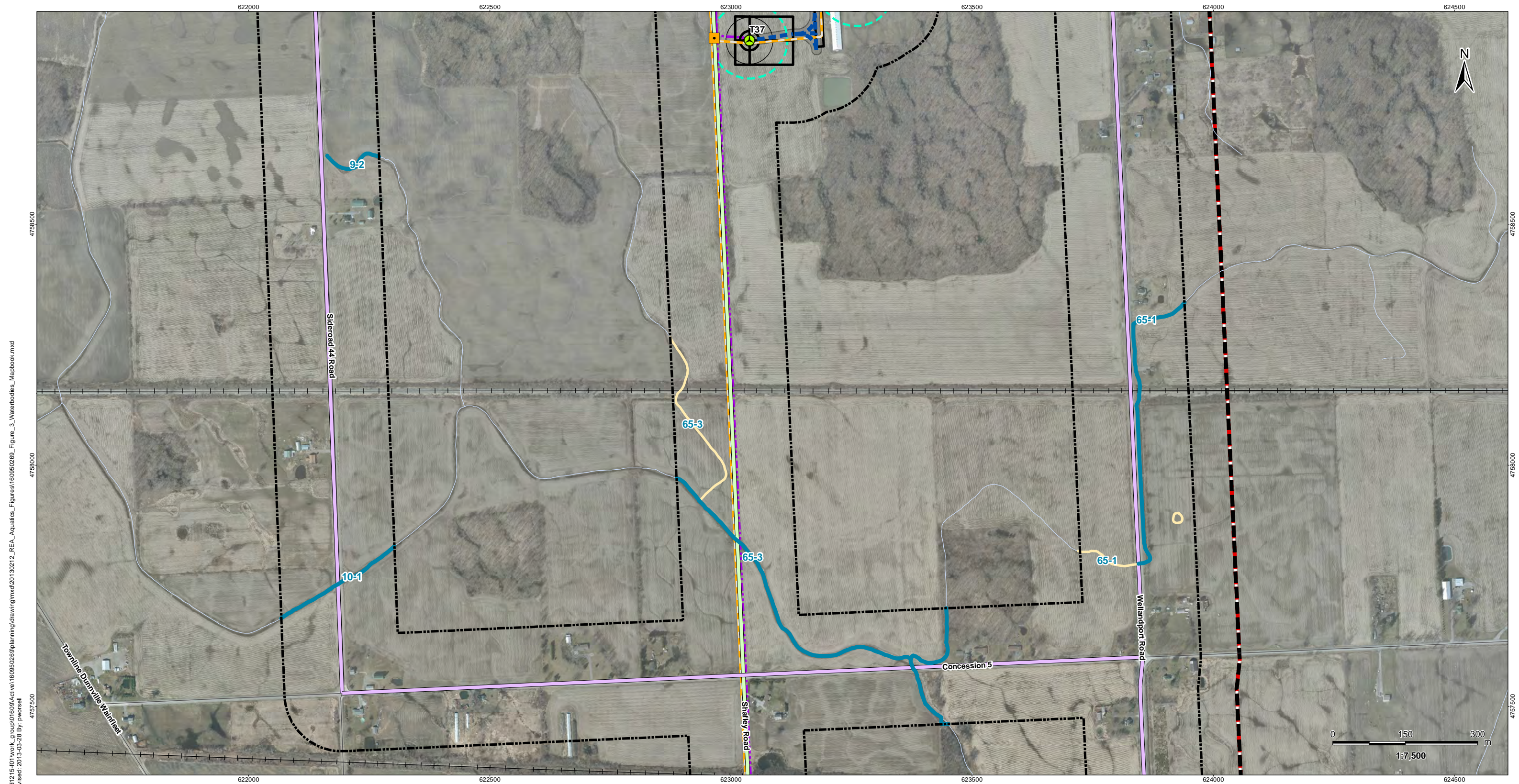
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Figure No.
3.41

Title
**Water Bodies
 Figure 3.41**



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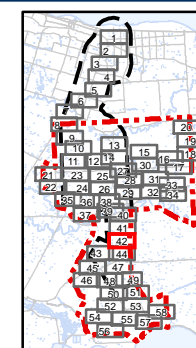


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| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

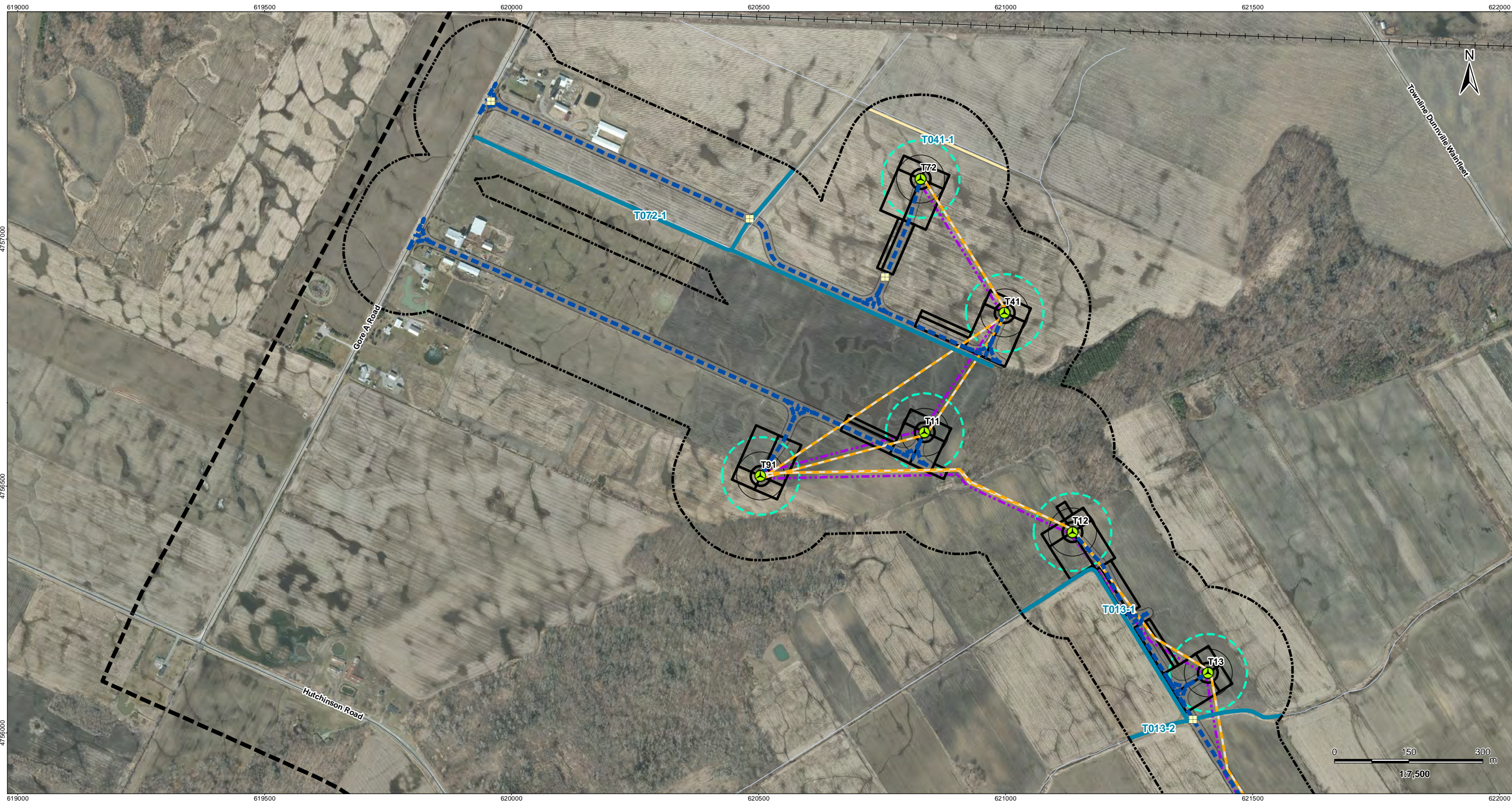
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 Niagara Region Wind Farm
 Water Assessment and Waterbody Report

Figure No.
 3.42

Title
Water Bodies
Figure 3.42



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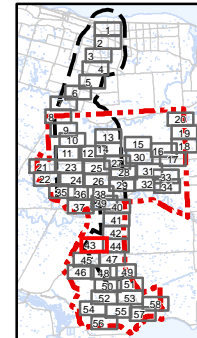


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| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

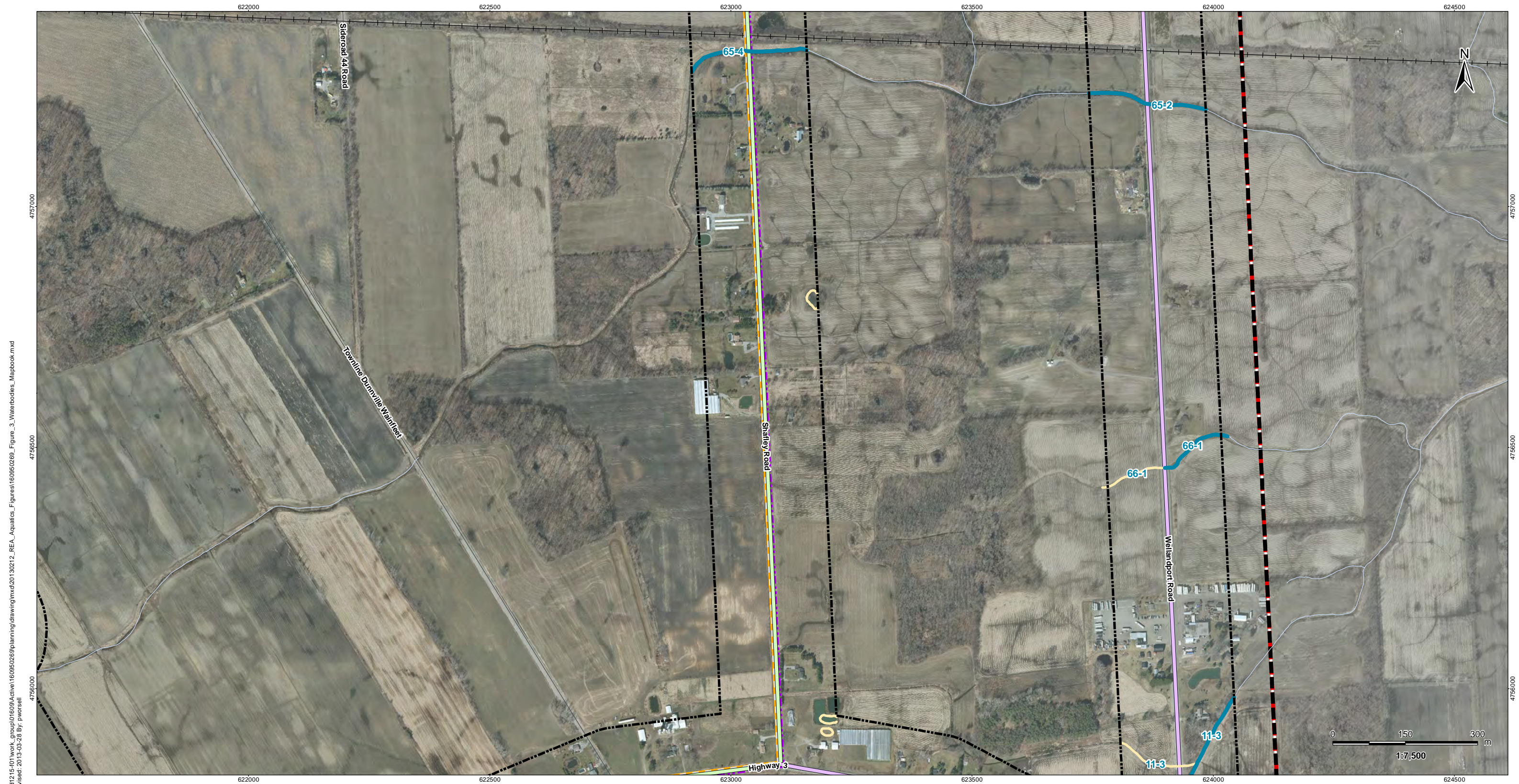
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 Niagara Region Wind Farm
 Water Assessment and Waterbody Report

Figure No.
 3.43

Title
Water Bodies
Figure 3.43



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 Revised: 2013-03-28 By: pwersell

March, 2013
160950269

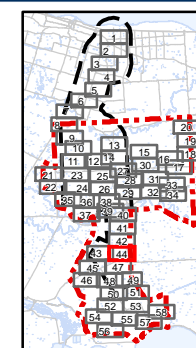


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| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

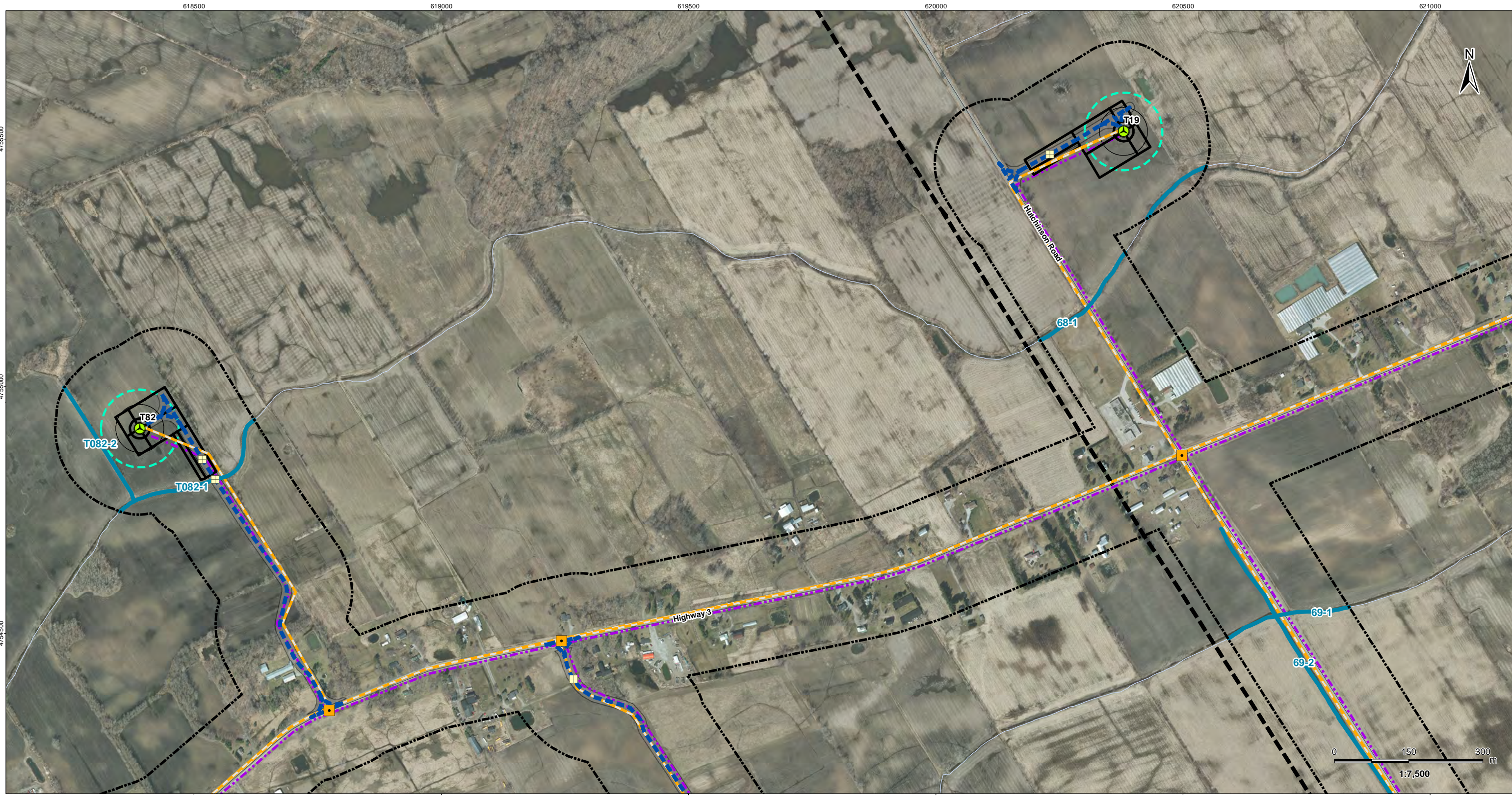
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 Niagara Region Wind Farm
 Water Assessment and Waterbody Report

Figure No.
3.44

Title
**Water Bodies
 Figure 3.44**



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 Revised: 2013-03-28 By: pwersell

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160950269

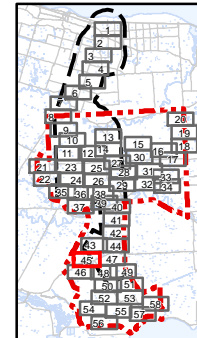


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| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

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 Water Assessment and Waterbody Report

Figure No.
3.45

Title
**Water Bodies
 Figure 3.45**



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 Revised: 2013-03-28 By: pwersell

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160950269

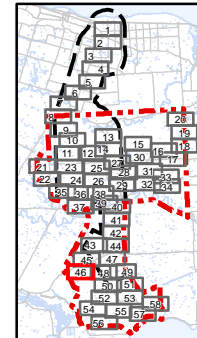


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| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

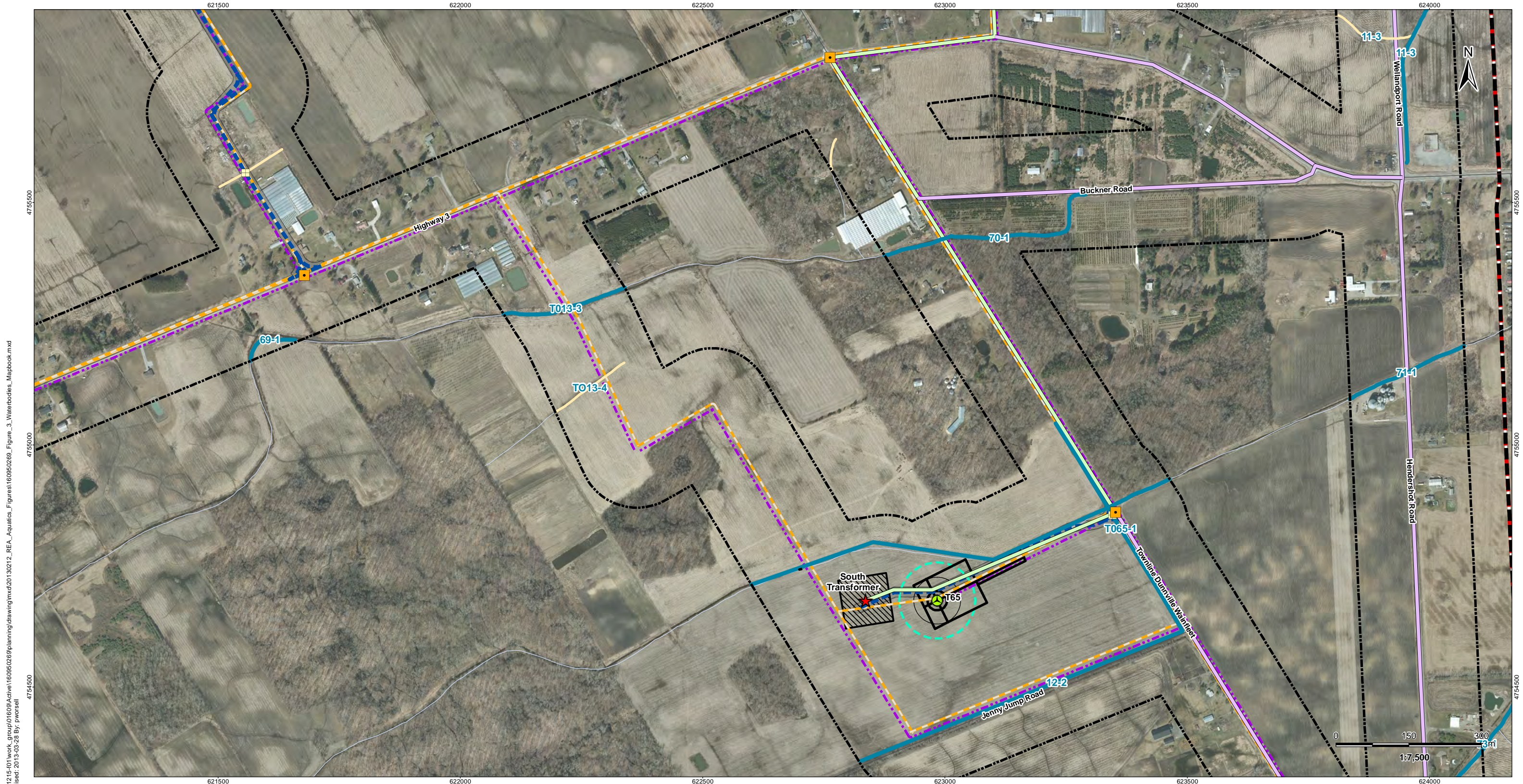
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 Niagara Region Wind Farm
 Water Assessment and Waterbody Report

Figure No.
3.46

Title
**Water Bodies
 Figure 3.46**



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 Revised: 2013-03-28 By: pwersell

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160950269

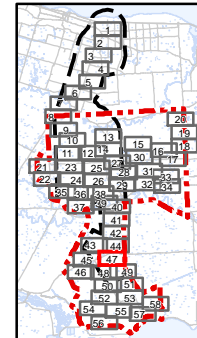


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| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

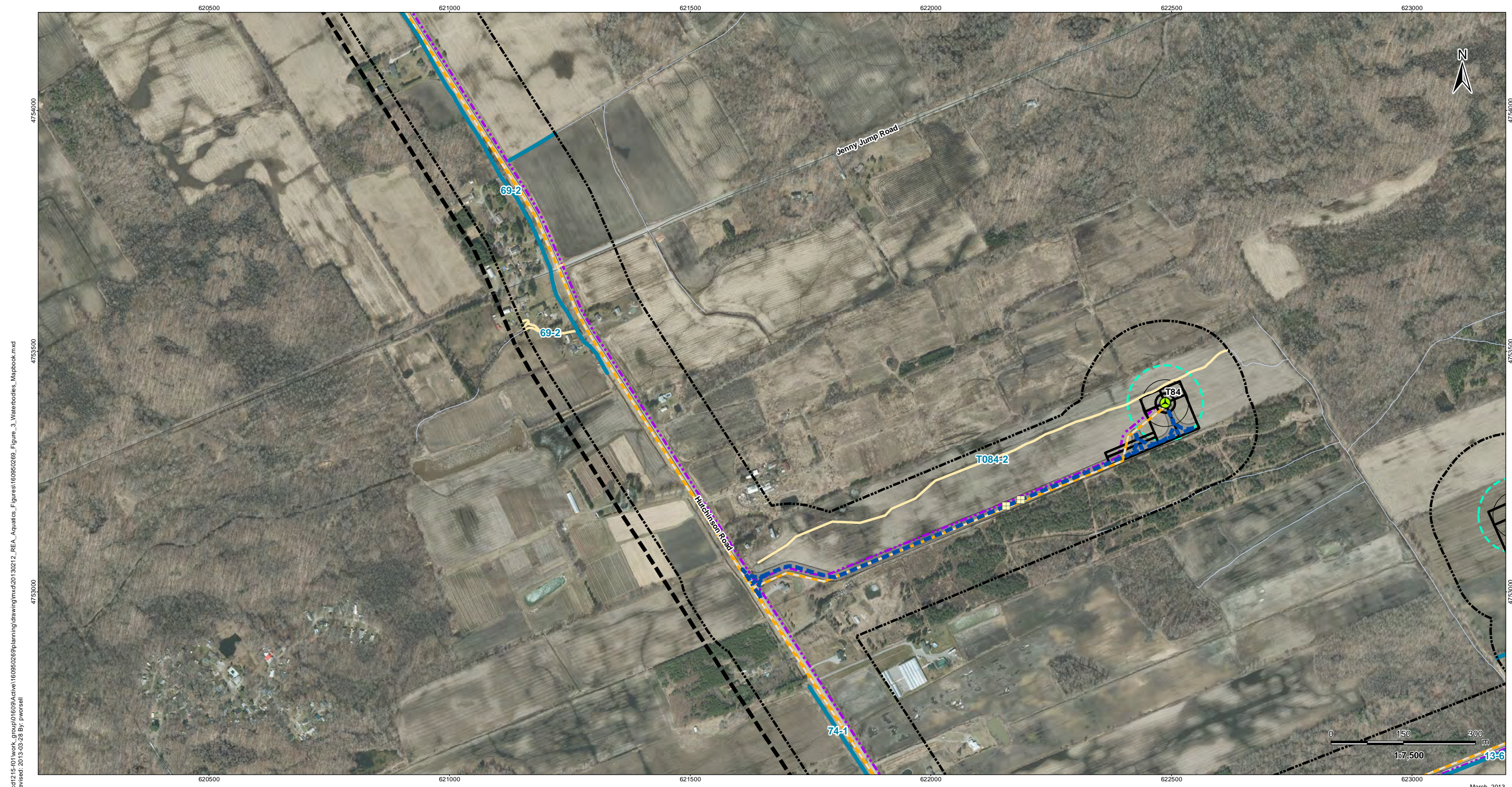
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 Water Assessment and Waterbody Report

Figure No.
 3.47

Title
Water Bodies
Figure 3.47



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 Revised: 2013-03-28 By: pwersell

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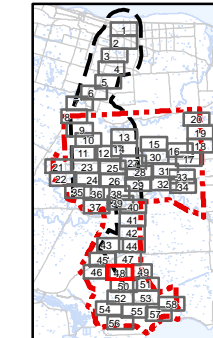


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|---------------------------------|-------------------------------------|---|
| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

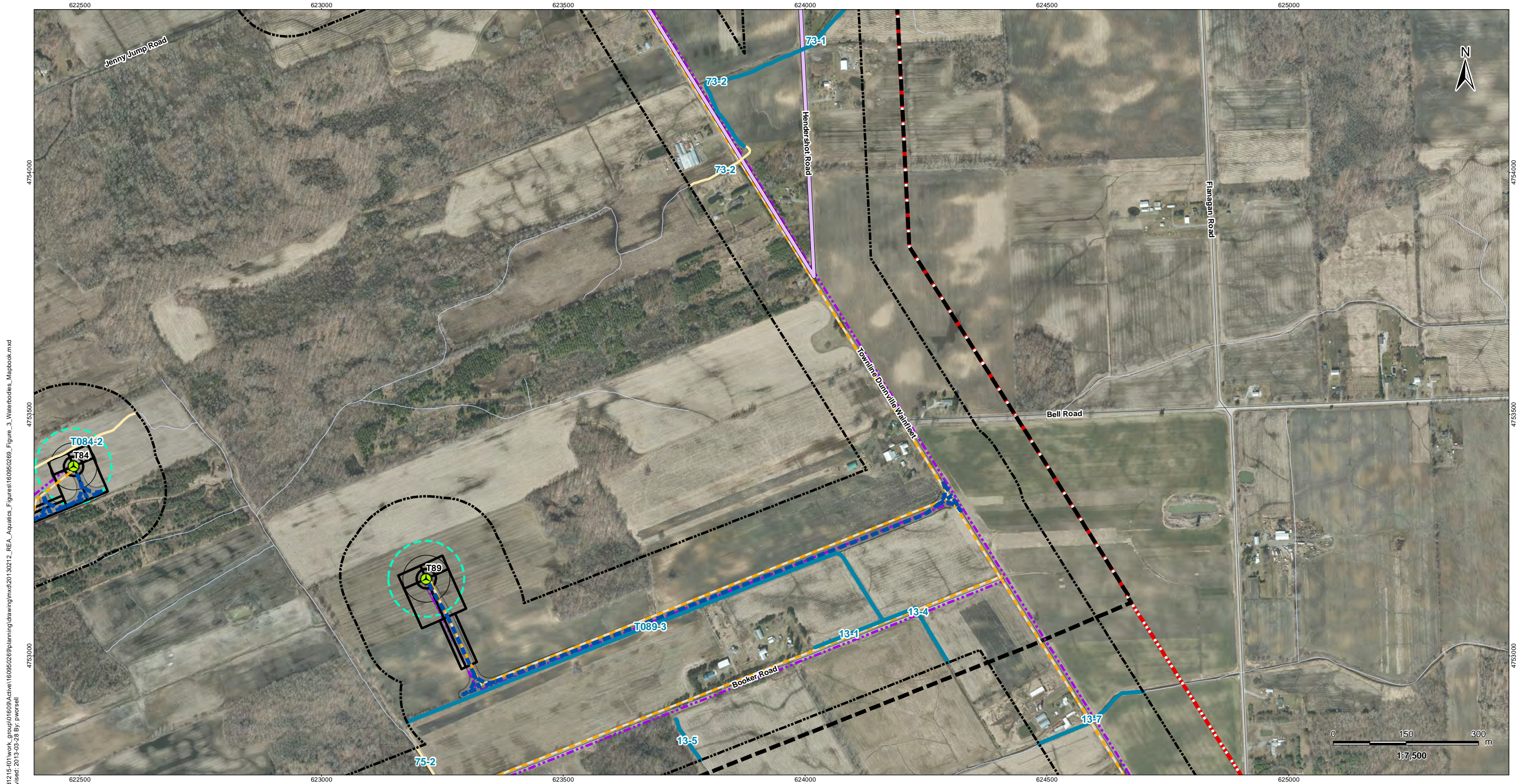
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 Water Assessment and Waterbody Report

Figure No.
3.48

Title
**Water Bodies
 Figure 3.48**



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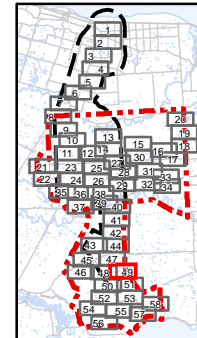


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|---------------------------------|-------------------------------------|---|
| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

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Figure No.
 3.49

Title
Water Bodies
Figure 3.49



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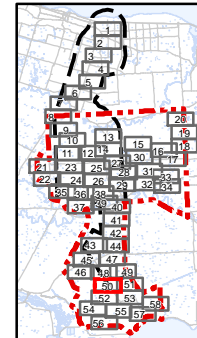


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|---------------------------------|-------------------------------------|---|
| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

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Figure No.
3.50

Title
**Water Bodies
 Figure 3.50**



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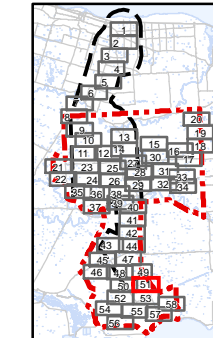


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|---------------------------------|-------------------------------------|---|
| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

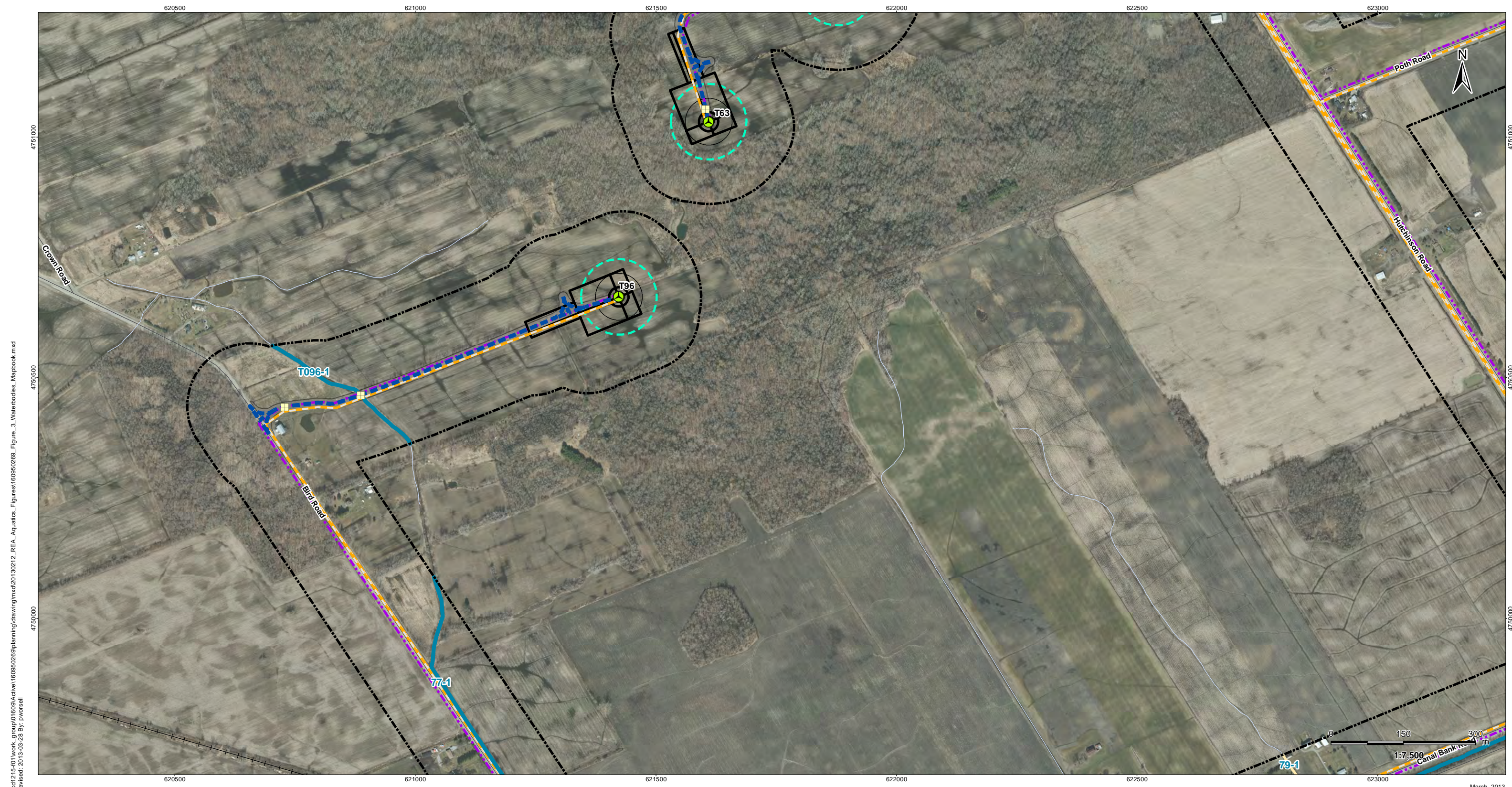
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 Water Assessment and Waterbody Report

Figure No.
3.51

Title
**Water Bodies
 Figure 3.51**



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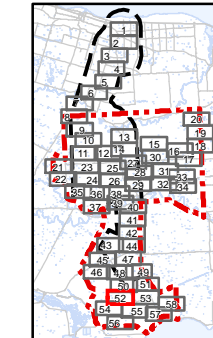


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|---------------------------------|-------------------------------------|---|
| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

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 Water Assessment and Waterbody Report

Figure No.
 3.52

Title
Water Bodies
Figure 3.52



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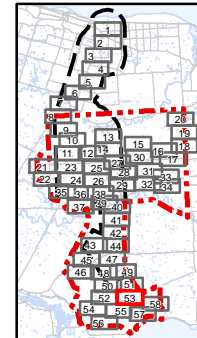


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| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

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 Water Assessment and Waterbody Report

Figure No.
 3.53

Title
Water Bodies
Figure 3.53



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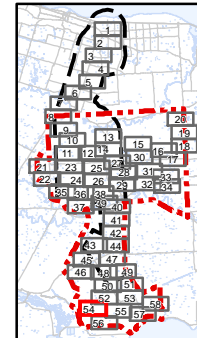


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|---------------------------------|-------------------------------------|---|
| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

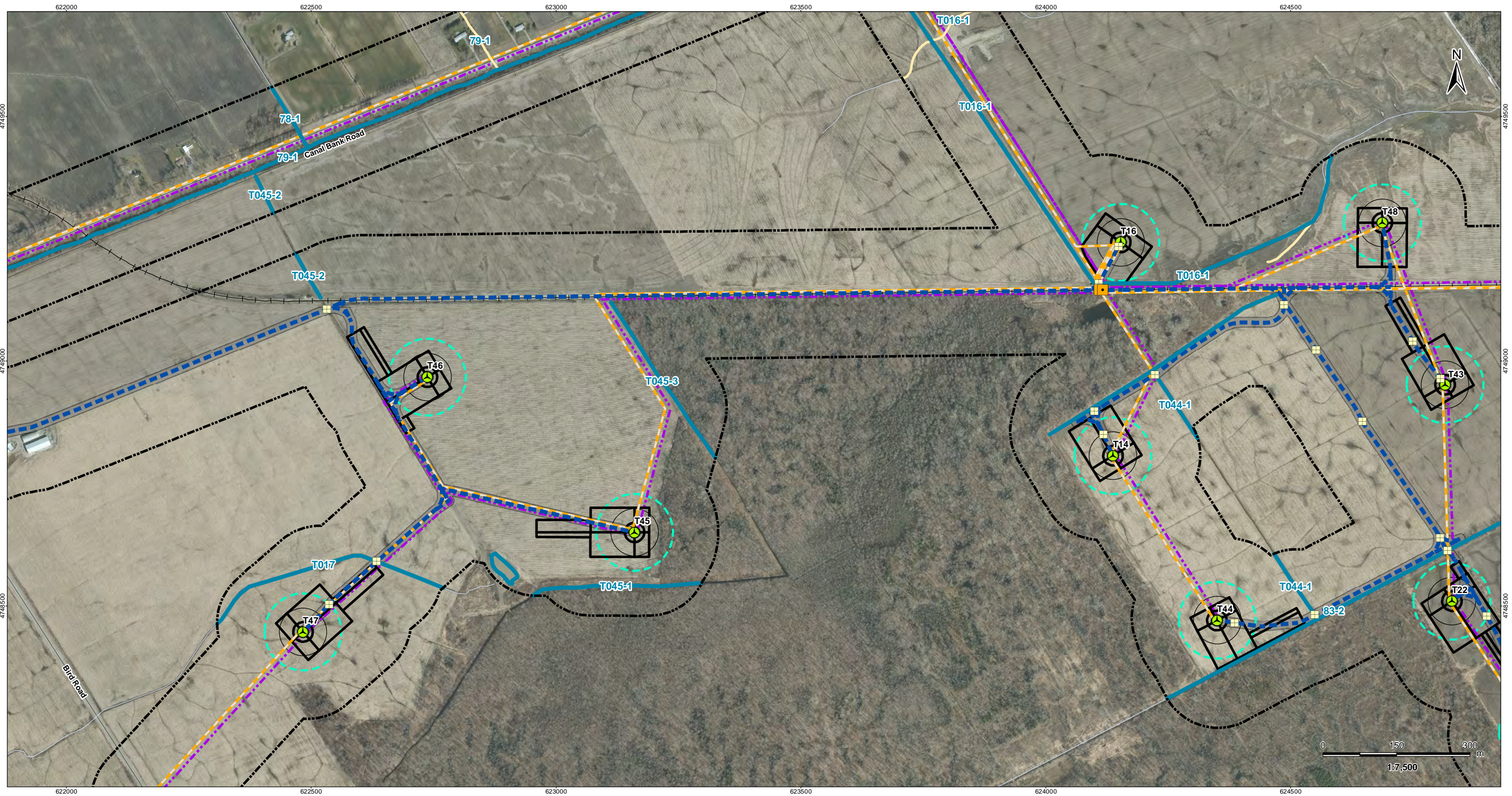
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 Niagara Region Wind Farm
 Water Assessment and Waterbody Report

Figure No.
3.54

Title
**Water Bodies
 Figure 3.54**



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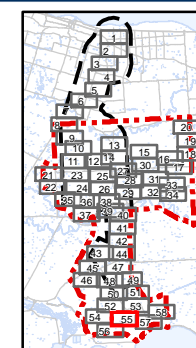


Legend

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|---------------------------------|-------------------------------------|---|
| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

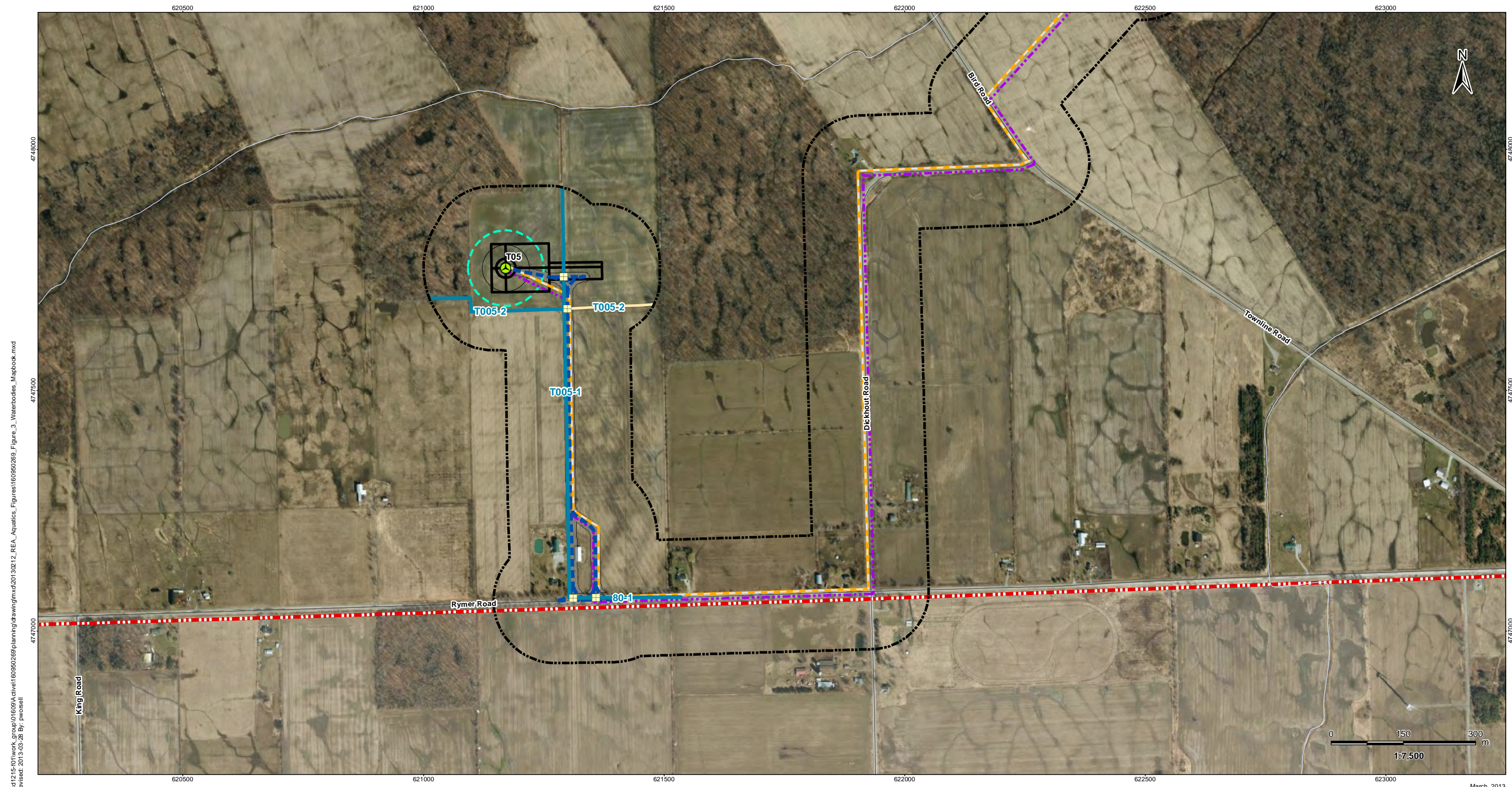
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 Water Assessment and Waterbody Report

Figure No.
 3.55

Title
Water Bodies
Figure 3.55



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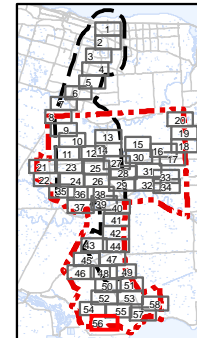


Legend

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|---------------------------------|-------------------------------------|---|
| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

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 Water Assessment and Waterbody Report

Figure No.
3.56

Title
**Water Bodies
 Figure 3.56**



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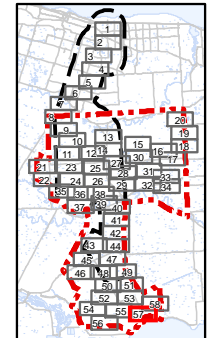


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|---------------------------------|-------------------------------------|---|
| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

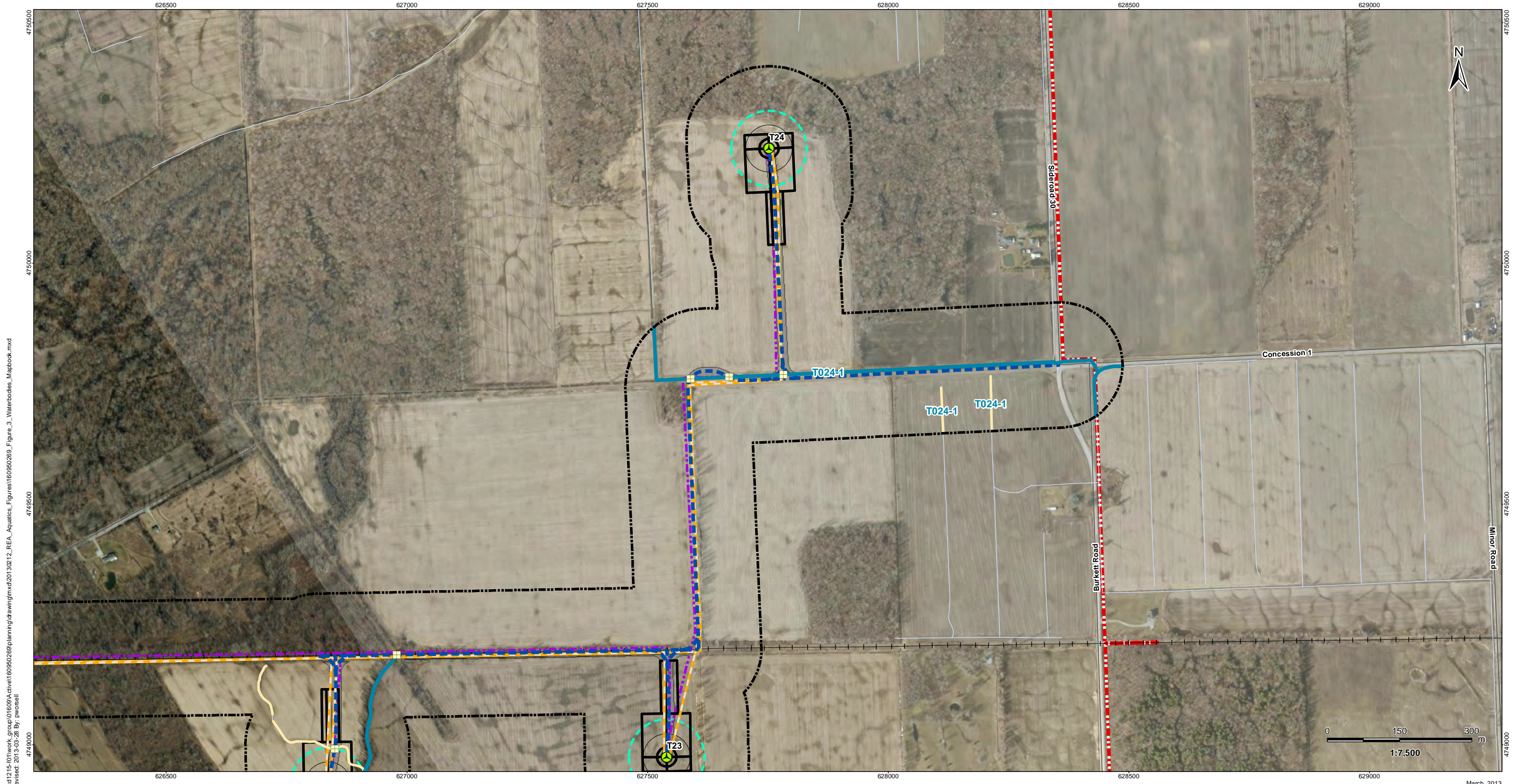
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 Water Assessment and Waterbody Report

Figure No.
3.57

Title
**Water Bodies
 Figure 3.57**



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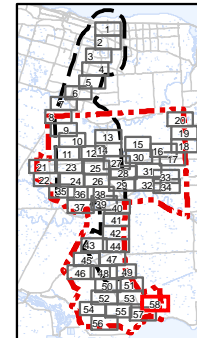


Legend

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|---------------------------------|-------------------------------------|---|
| Project Study Area | Transformer Substation Location | Collector Lines – Underground or Overhead |
| Interconnector Study Area | Junction Box | Fibre Optic Line |
| 120m Zone of Investigation | Proposed Culvert | Potential Access Road |
| Watercourse (MNR) | Turbine Blade Length | Access Road 20m Construction Area |
| Waterbody | Preferred Transmission Route | |
| Non-waterbody | Alternate Transmission Route | |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length 30m Buffer | Transformer Substation | |
| Tap-in Location | Potential Construction Laydown Area | |

Notes

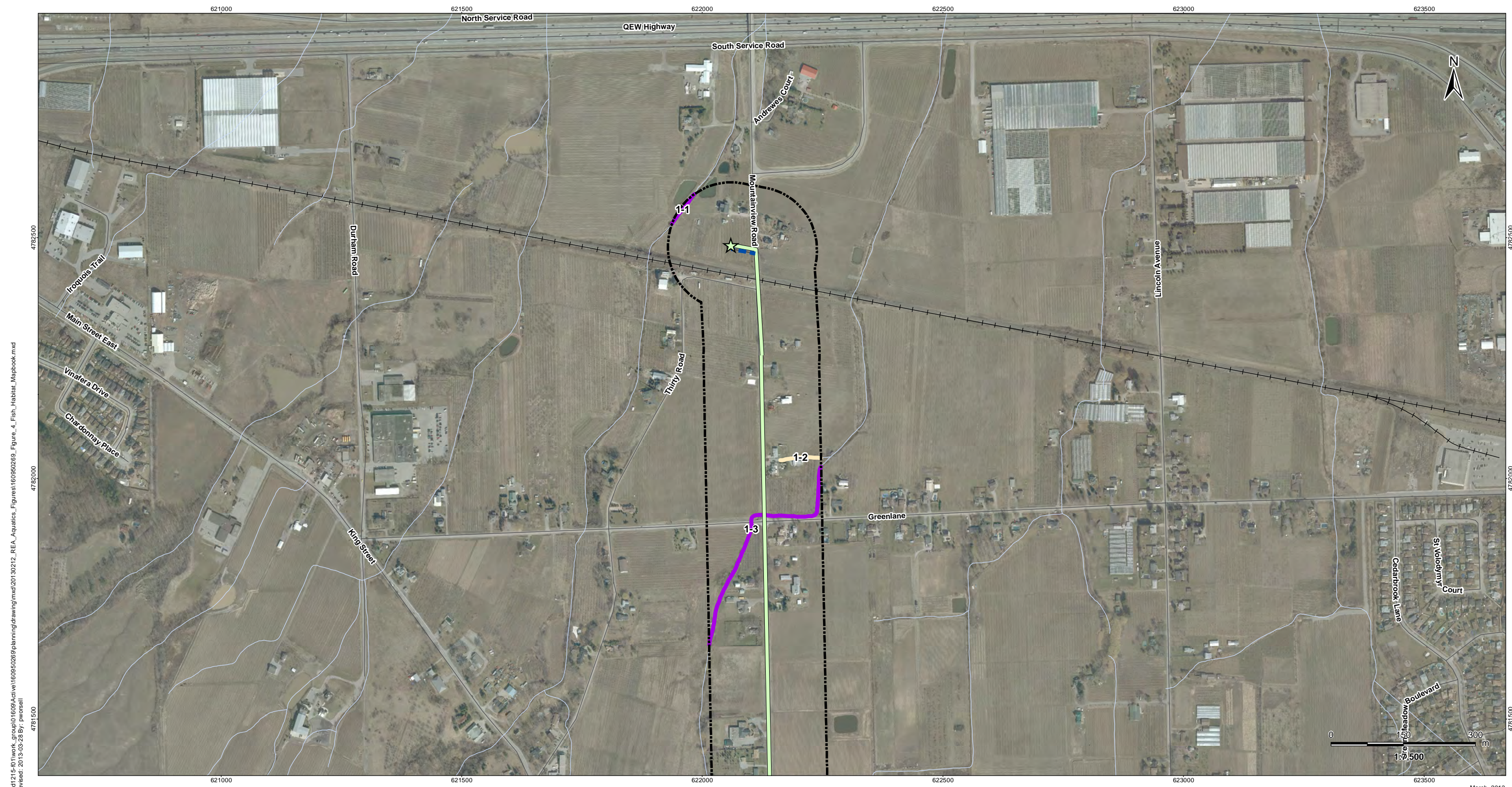
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 Water Assessment and Waterbody Report

Figure No.
3.58

Title
**Water Bodies
 Figure 3.58**



\\cd1215-101\work_group\01609\active\160950269\planning\drawing\mxd\20130212_REA_Aquatics_Figure\160950269_Figure_4_Fish_Habitat_Mapbook.mxd
 Revised: 2013-05-28 By: pworsell

March, 2013
160950269

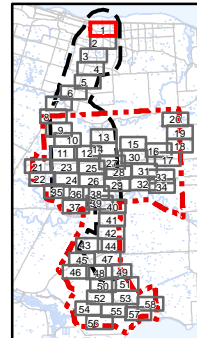


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|----------------------------|---------------------------------|---|
| Project Study Area | Tap-in Location | Transformer Substation |
| Interconnector Study Area | Transformer Substation Location | Potential Construction Laydown Area |
| 120m Zone of Investigation | Junction Box | Collector Lines – Underground or Overhead |
| Watercourse (MNR) | Proposed Culvert | Fibre Optic Line |
| Fish Habitat | Preferred Transmission Route | Potential Access Road |
| Non-Fish Habitat | Alternate Transmission Route | Access Road 20m Construction Area |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length | | |

Notes

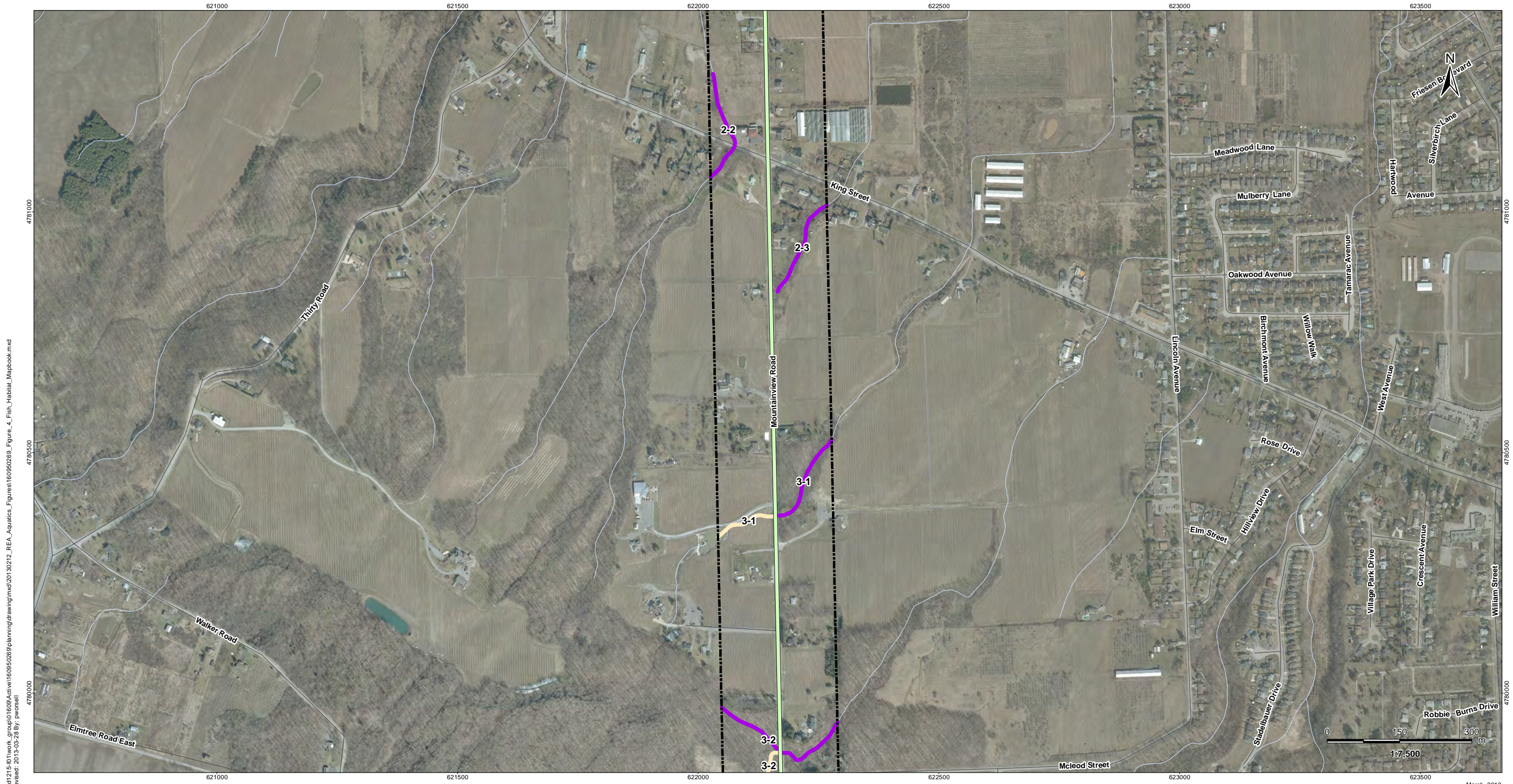
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 Water Assessment and Waterbody Report

Figure No.
 4.1

Title
**Fish Habitat
 Figure 4.1**



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160950269

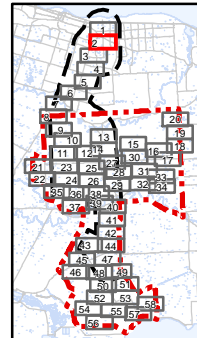


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|----------------------------|---------------------------------|---|
| Project Study Area | Tap-in Location | Transformer Substation |
| Interconnector Study Area | Transformer Substation Location | Potential Construction Laydown Area |
| 120m Zone of Investigation | Junction Box | Collector Lines – Underground or Overhead |
| Watercourse (MNR) | Proposed Culvert | Fibre Optic Line |
| Fish Habitat | Preferred Transmission Route | Potential Access Road |
| Non-Fish Habitat | Alternate Transmission Route | Access Road 20m Construction Area |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length | | |

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Figure No.
4.2

Title
**Fish Habitat
 Figure 4.2**



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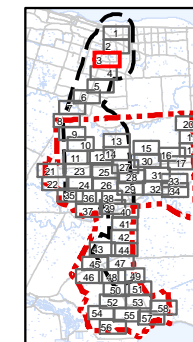


Legend

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|----------------------------|---------------------------------|---|
| Project Study Area | Tap-in Location | Transformer Substation |
| Interconnector Study Area | Transformer Substation Location | Potential Construction Laydown Area |
| 120m Zone of Investigation | Junction Box | Collector Lines – Underground or Overhead |
| Watercourse (MNR) | Proposed Culvert | Fibre Optic Line |
| Fish Habitat | Preferred Transmission Route | Potential Access Road |
| Non-Fish Habitat | Alternate Transmission Route | Access Road 20m Construction Area |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length | | |

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Figure No.

4.3

Title

**Fish Habitat
Figure 4.3**



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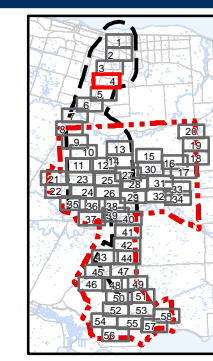


Legend

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|----------------------------|---------------------------------|---|
| Project Study Area | Tap-in Location | Transformer Substation |
| Interconnector Study Area | Transformer Substation Location | Potential Construction Laydown Area |
| 120m Zone of Investigation | Junction Box | Collector Lines – Underground or Overhead |
| Watercourse (MNR) | Proposed Culvert | Fibre Optic Line |
| Fish Habitat | Preferred Transmission Route | Potential Access Road |
| Non-Fish Habitat | Alternate Transmission Route | Access Road 20m Construction Area |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length | | |

Notes

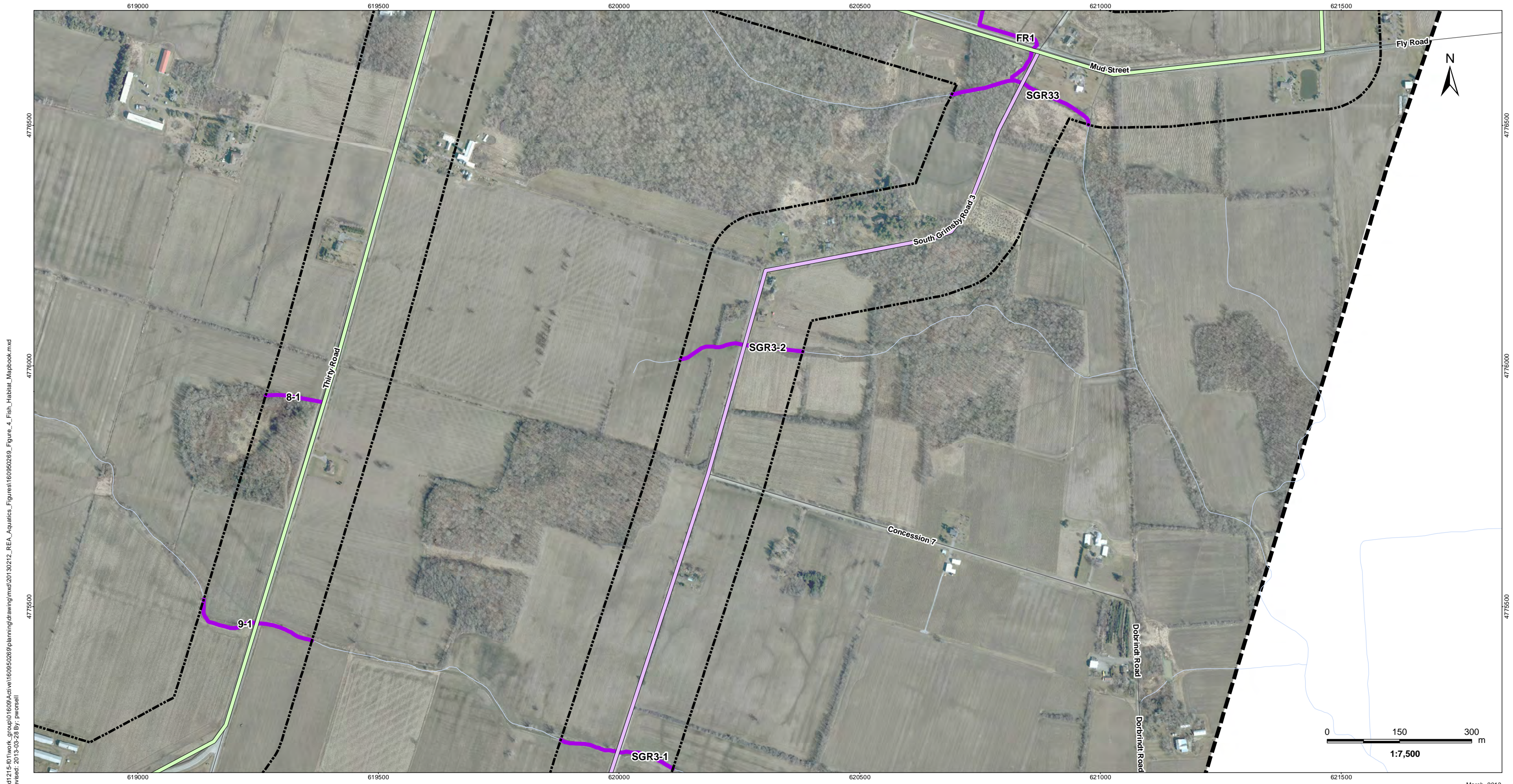
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Figure No.
4.4

Title
Fish Habitat
Figure 4.4



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160950269

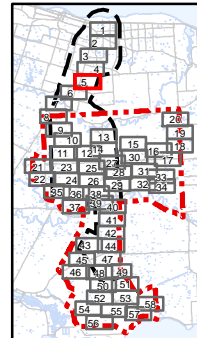


Legend

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|----------------------------|---------------------------------|---|
| Project Study Area | Tap-in Location | Transformer Substation |
| Interconnector Study Area | Transformer Substation Location | Potential Construction Laydown Area |
| 120m Zone of Investigation | Junction Box | Collector Lines – Underground or Overhead |
| Watercourse (MNR) | Proposed Culvert | Fibre Optic Line |
| Fish Habitat | Preferred Transmission Route | Potential Access Road |
| Non-Fish Habitat | Alternate Transmission Route | Access Road 20m Construction Area |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length | | |

Notes

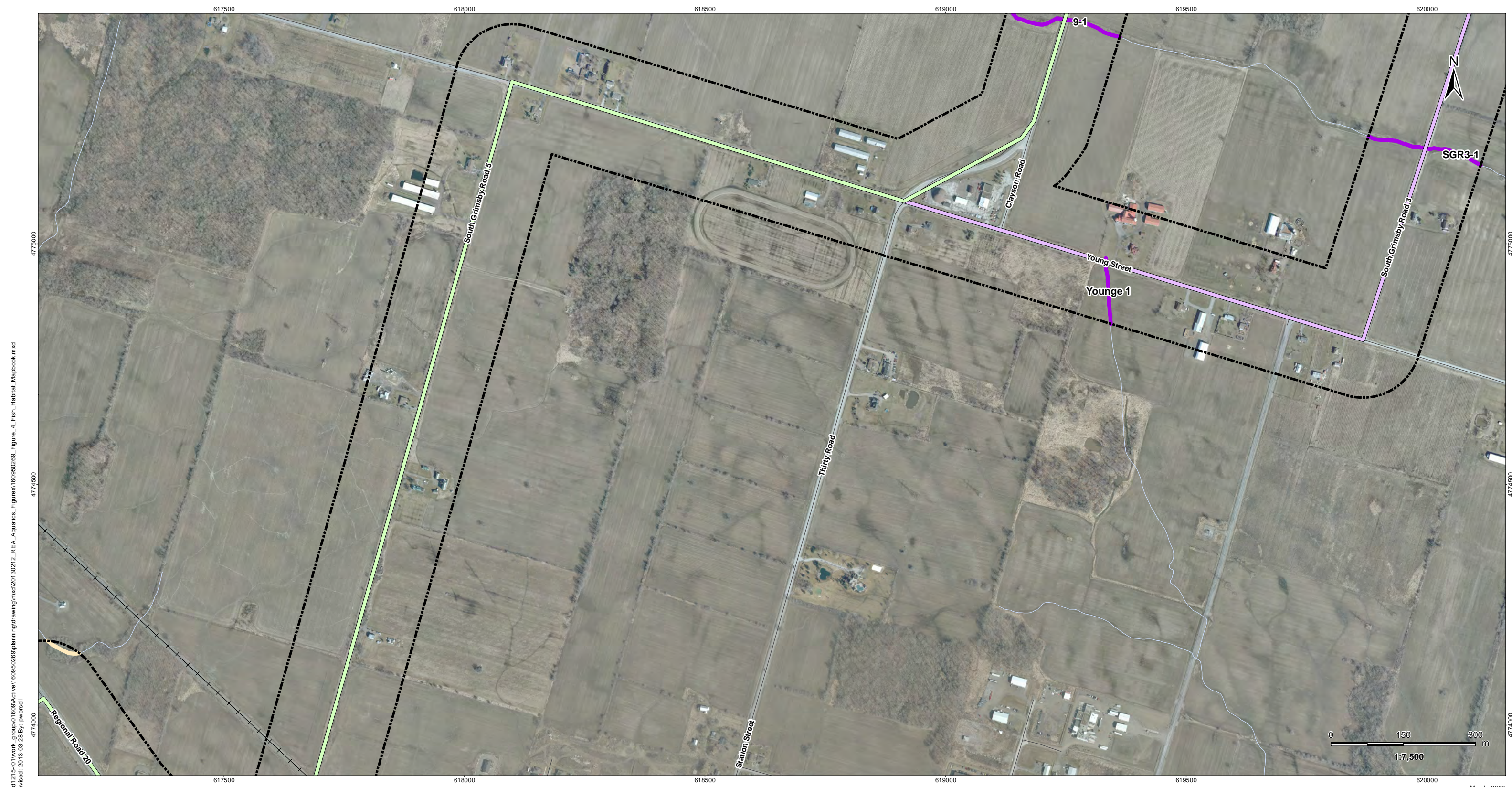
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Figure No.
4.5

Title
**Fish Habitat
 Figure 4.5**



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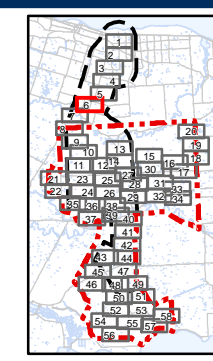


Legend

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|----------------------------|---------------------------------|---|
| Project Study Area | Tap-in Location | Transformer Substation |
| Interconnector Study Area | Transformer Substation Location | Potential Construction Laydown Area |
| 120m Zone of Investigation | Junction Box | Collector Lines – Underground or Overhead |
| Watercourse (MNR) | Proposed Culvert | Fibre Optic Line |
| Fish Habitat | Preferred Transmission Route | Potential Access Road |
| Non-Fish Habitat | Alternate Transmission Route | Access Road 20m Construction Area |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length | | |

Notes

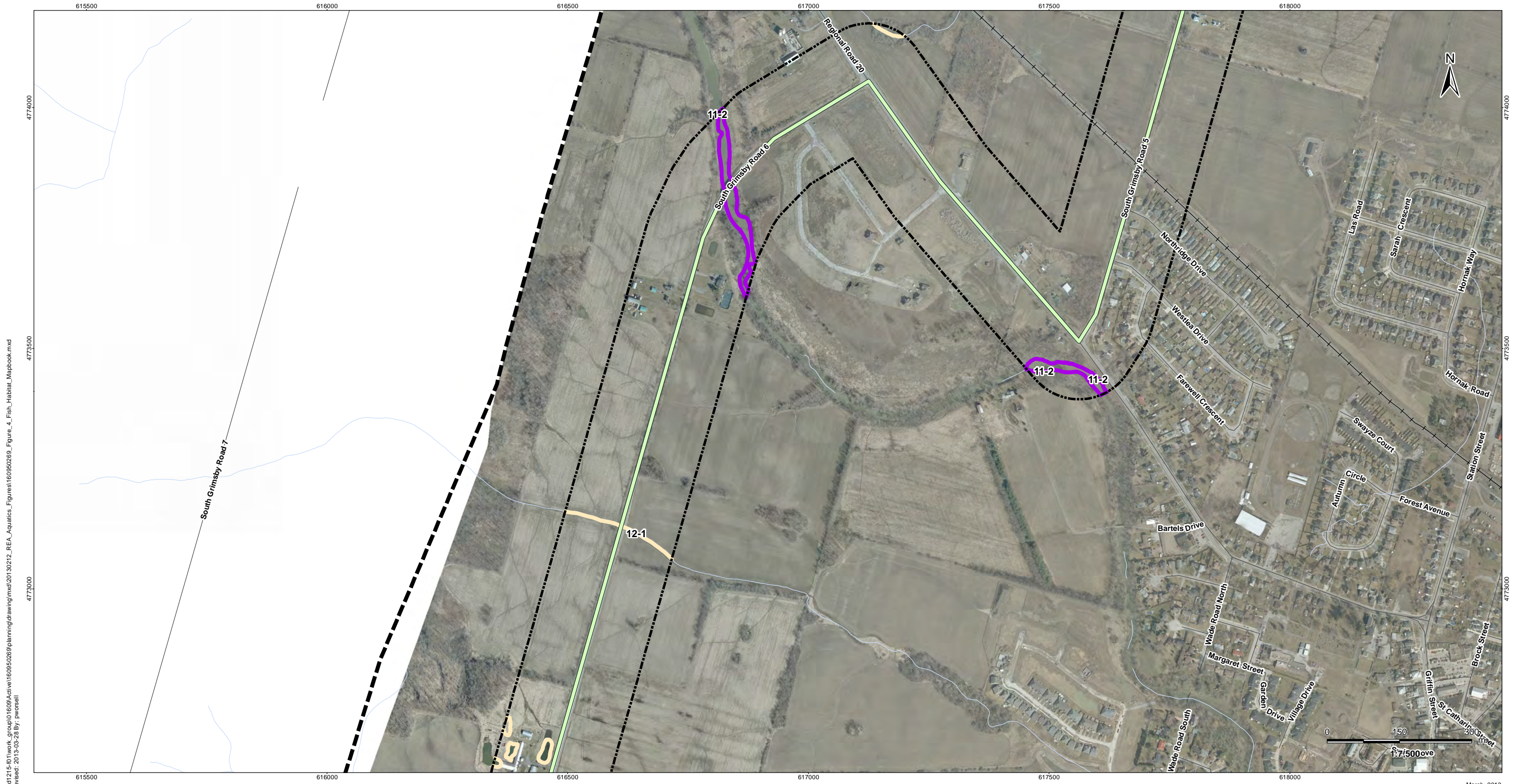
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Figure No.
 4.6

Title
**Fish Habitat
 Figure 4.6**



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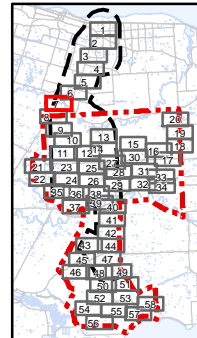


Legend

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|----------------------------|---------------------------------|---|
| Project Study Area | Tap-in Location | Transformer Substation |
| Interconnector Study Area | Transformer Substation Location | Potential Construction Laydown Area |
| 120m Zone of Investigation | Junction Box | Collector Lines – Underground or Overhead |
| Watercourse (MNR) | Proposed Culvert | Fibre Optic Line |
| Fish Habitat | Preferred Transmission Route | Potential Access Road |
| Non-Fish Habitat | Alternate Transmission Route | Access Road 20m Construction Area |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length | | |

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Figure No.
4.7

Title
**Fish Habitat
 Figure 4.7**



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160950269

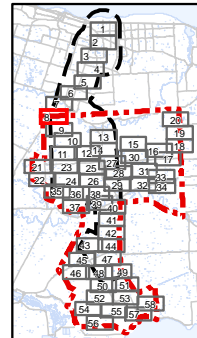


Legend

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|----------------------------|---------------------------------|---|
| Project Study Area | Tap-in Location | Transformer Substation |
| Interconnector Study Area | Transformer Substation Location | Potential Construction Laydown Area |
| 120m Zone of Investigation | Junction Box | Collector Lines – Underground or Overhead |
| Watercourse (MNR) | Proposed Culvert | Fibre Optic Line |
| Fish Habitat | Preferred Transmission Route | Potential Access Road |
| Non-Fish Habitat | Alternate Transmission Route | Access Road 20m Construction Area |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length | | |

Notes

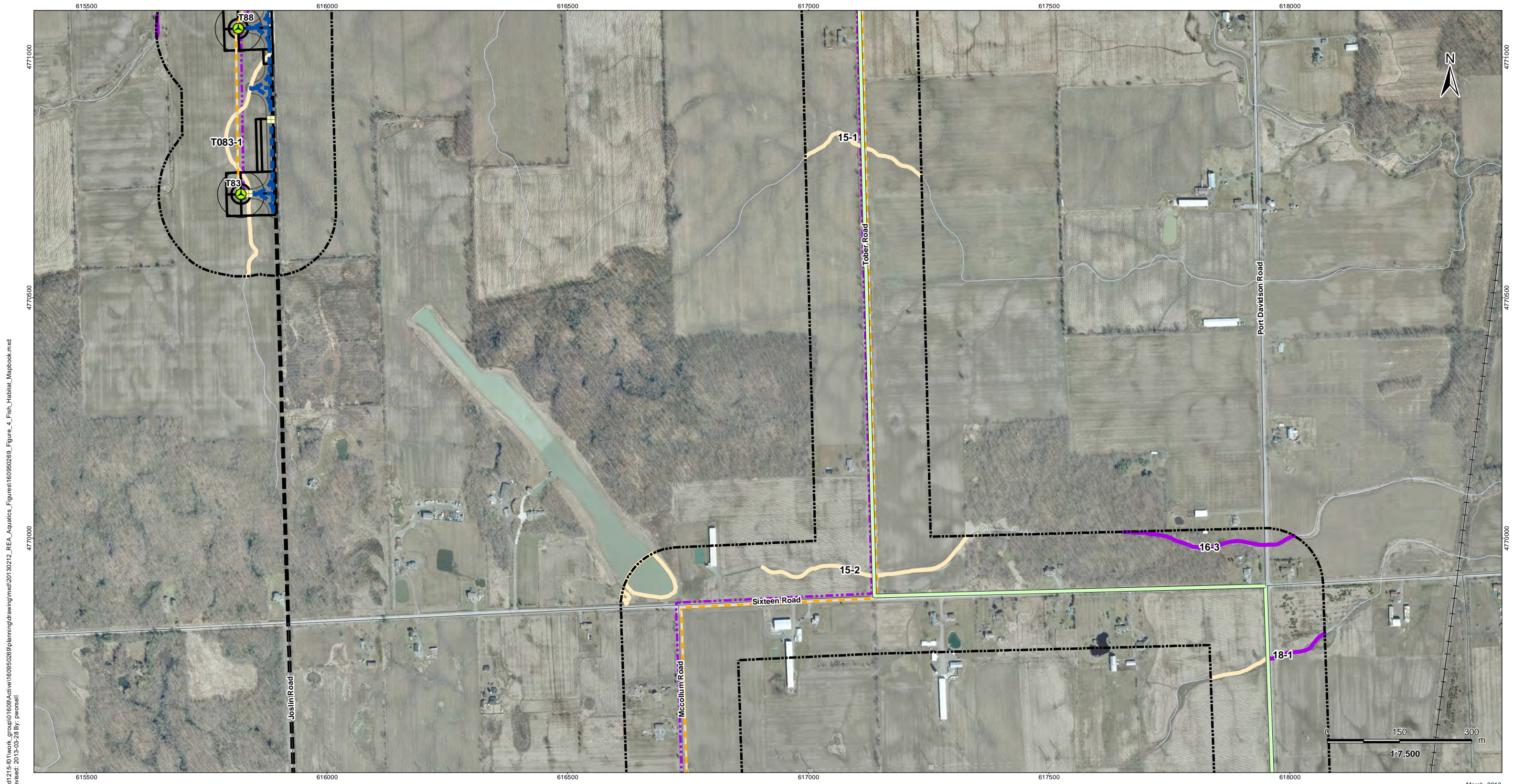
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Figure No.
4.8

Title
**Fish Habitat
 Figure 4.8**



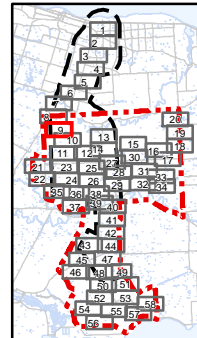
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Legend			
	Project Study Area		Tap-in Location
	Interconnector Study Area		Transformer Substation Location
	120m Zone of Investigation		Junction Box
	Watercourse (MNR)		Proposed Culvert
	Fish Habitat		Preferred Transmission Route
	Non-Fish Habitat		Alternate Transmission Route
	Proposed Turbine Location		Temporary Laydown Area
	Turbine Blade Length		Transformer Substation
			Potential Construction Laydown Area
			Collector Lines – Underground or Overhead
			Fibre Optic Line
			Potential Access Road
			Access Road 20m Construction Area

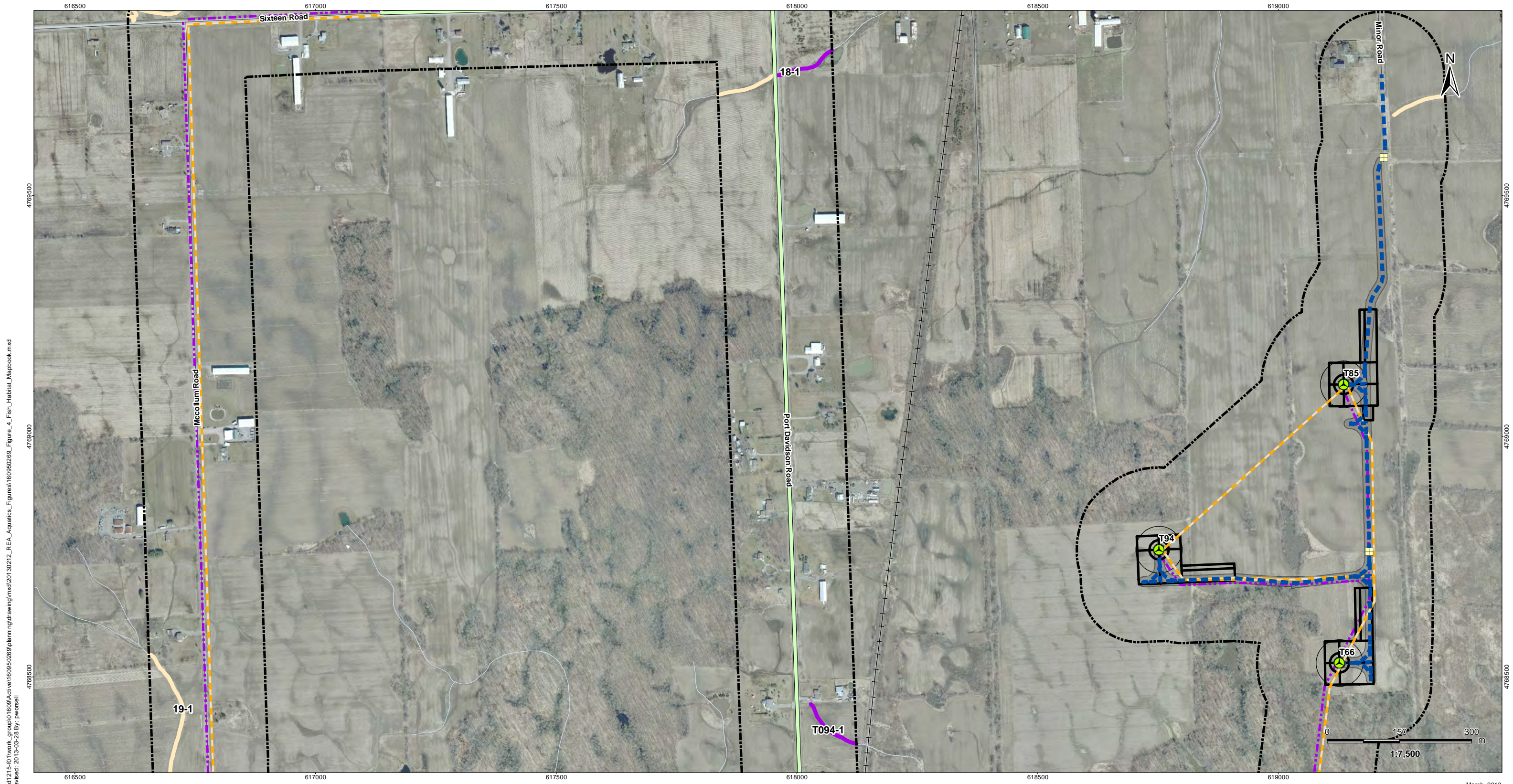
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Figure No.
4.9

Title
**Fish Habitat
 Figure 4.9**



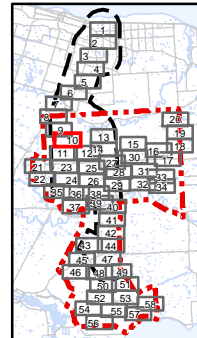
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- ### Legend
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|----------------------------|---------------------------------|---|
| Project Study Area | Tap-in Location | Transformer Substation |
| Interconnector Study Area | Transformer Substation Location | Potential Construction Laydown Area |
| 120m Zone of Investigation | Junction Box | Collector Lines – Underground or Overhead |
| Watercourse (MNR) | Proposed Culvert | Fibre Optic Line |
| Fish Habitat | Preferred Transmission Route | Potential Access Road |
| Non-Fish Habitat | Alternate Transmission Route | Access Road 20m Construction Area |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length | | |

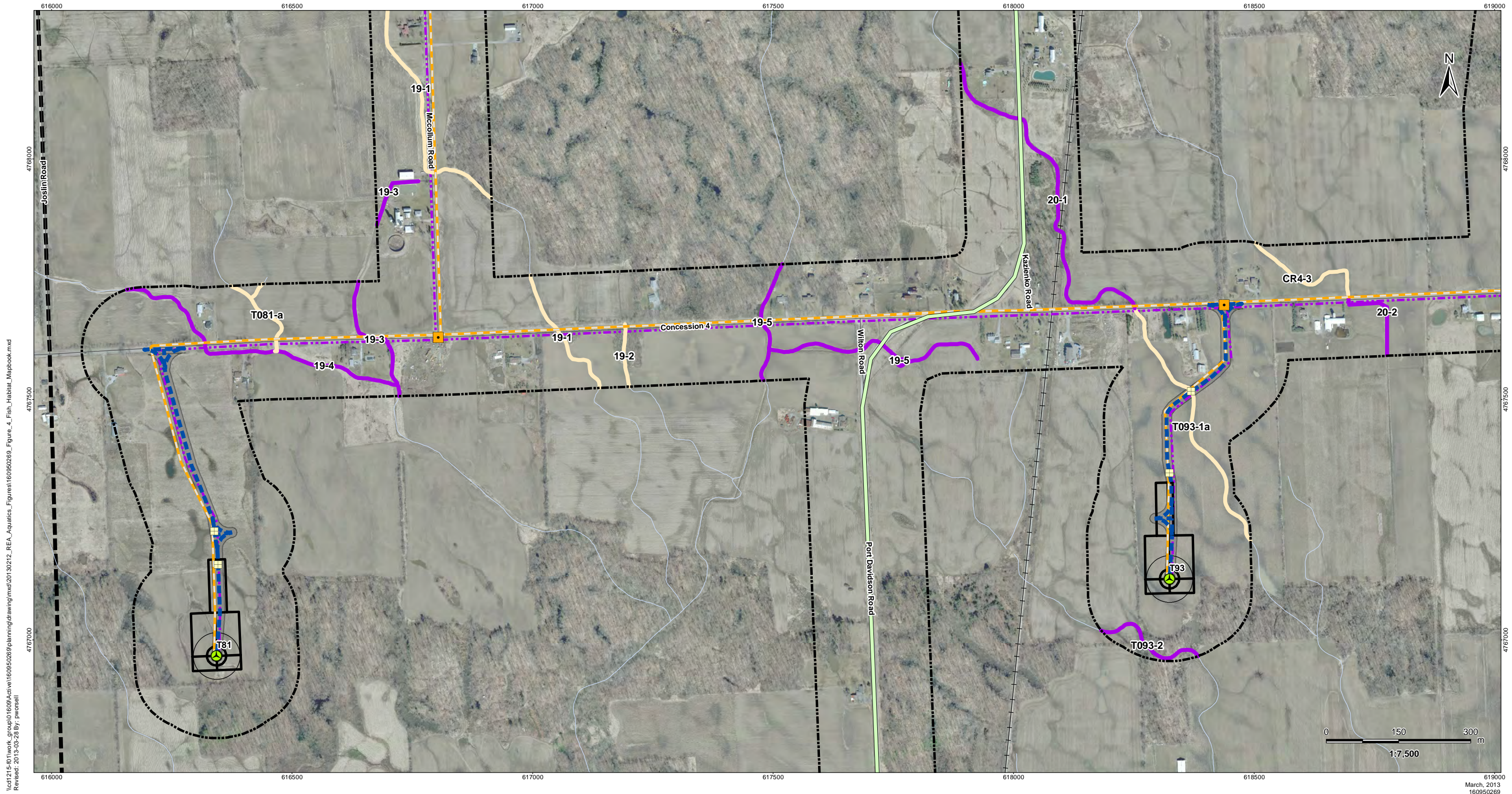
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Figure No.
4.10

Title
**Fish Habitat
 Figure 4.10**



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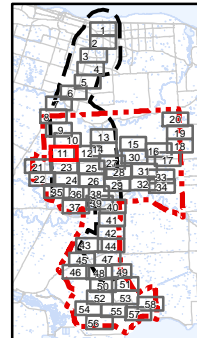


Legend

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|----------------------------|---------------------------------|---|
| Project Study Area | Tap-in Location | Transformer Substation |
| Interconnector Study Area | Transformer Substation Location | Potential Construction Laydown Area |
| 120m Zone of Investigation | Junction Box | Collector Lines – Underground or Overhead |
| Watercourse (MNR) | Proposed Culvert | Fibre Optic Line |
| Fish Habitat | Preferred Transmission Route | Potential Access Road |
| Non-Fish Habitat | Alternate Transmission Route | Access Road 20m Construction Area |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length | | |

Notes

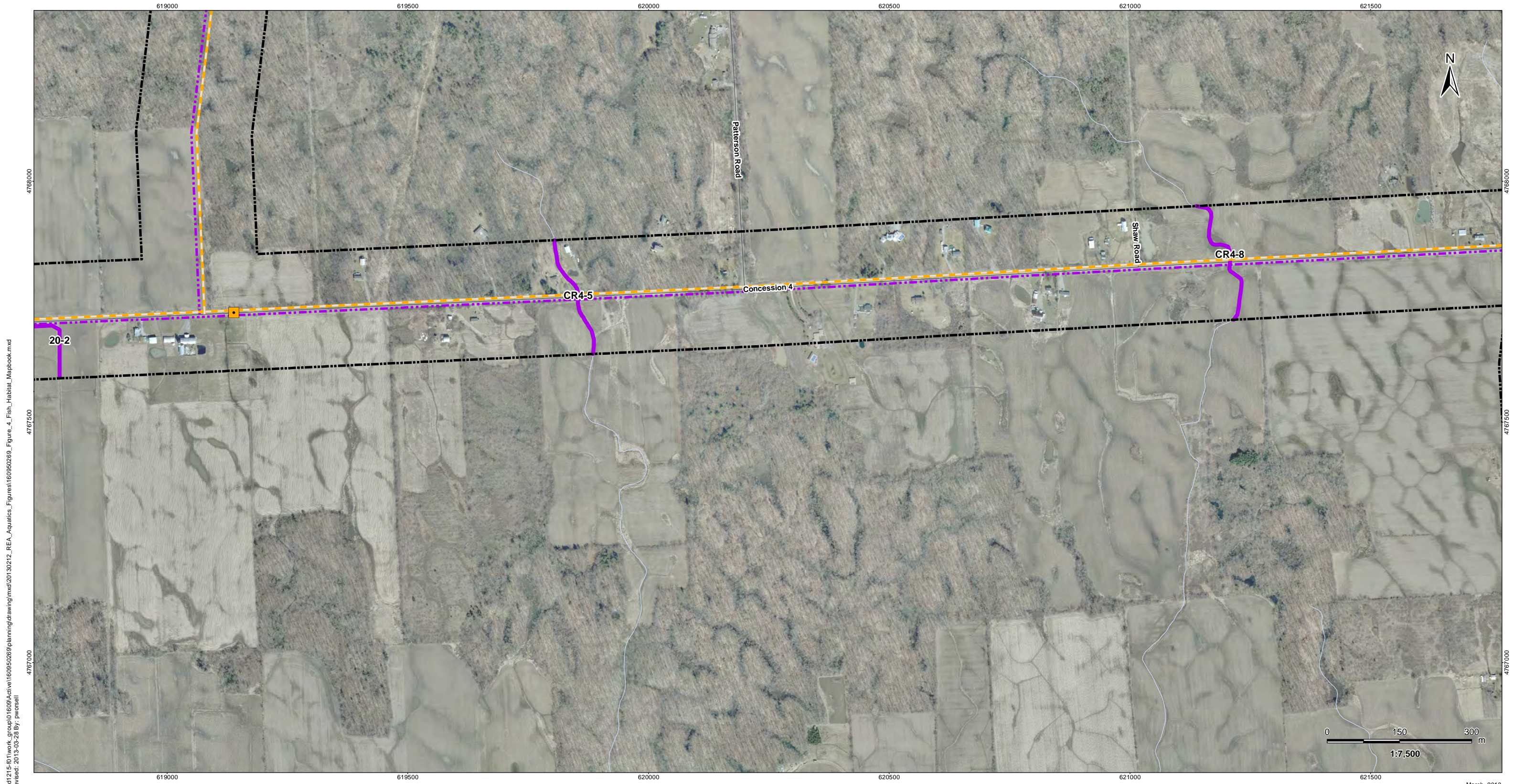
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Figure No.
4.11

Title
**Fish Habitat
 Figure 4.11**



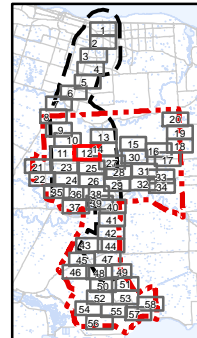
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Project Study Area	Tap-in Location	Transformer Substation
Interconnector Study Area	Transformer Substation Location	Potential Construction Laydown Area
120m Zone of Investigation	Junction Box	Collector Lines – Underground or Overhead
Watercourse (MNR)	Proposed Culvert	Fibre Optic Line
Fish Habitat	Preferred Transmission Route	Potential Access Road
Non-Fish Habitat	Alternate Transmission Route	Access Road 20m Construction Area
Proposed Turbine Location	Temporary Laydown Area	
Turbine Blade Length		

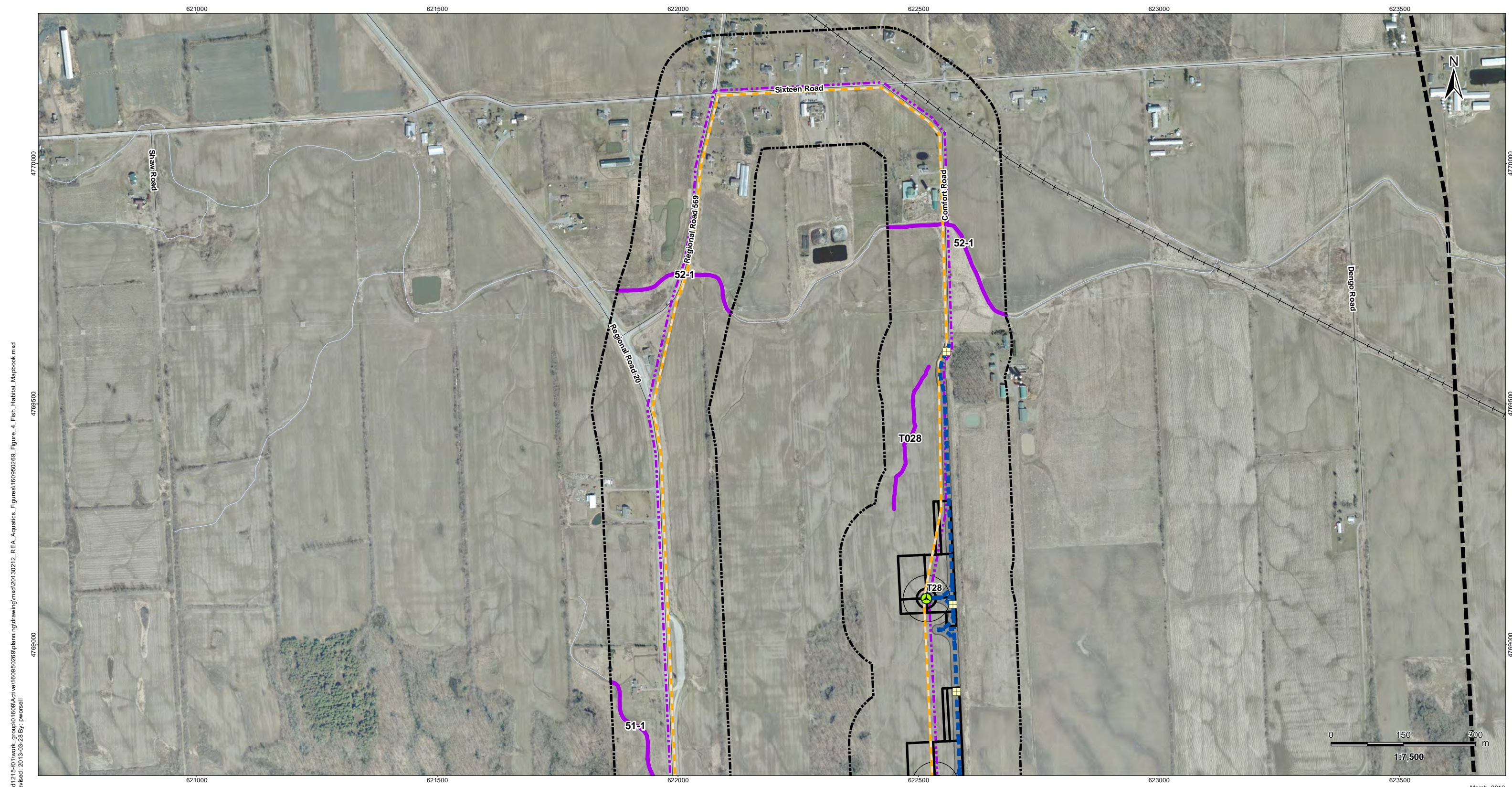
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Figure No.
4.12

Title
**Fish Habitat
 Figure 4.12**



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160950269

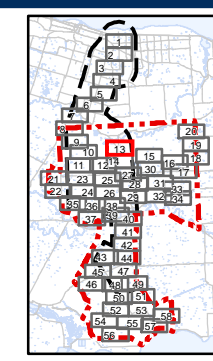


Legend

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|----------------------------|---------------------------------|---|
| Project Study Area | Tap-in Location | Transformer Substation |
| Interconnector Study Area | Transformer Substation Location | Potential Construction Laydown Area |
| 120m Zone of Investigation | Junction Box | Collector Lines – Underground or Overhead |
| Watercourse (MNR) | Proposed Culvert | Fibre Optic Line |
| Fish Habitat | Preferred Transmission Route | Potential Access Road |
| Non-Fish Habitat | Alternate Transmission Route | Access Road 20m Construction Area |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length | | |

Notes

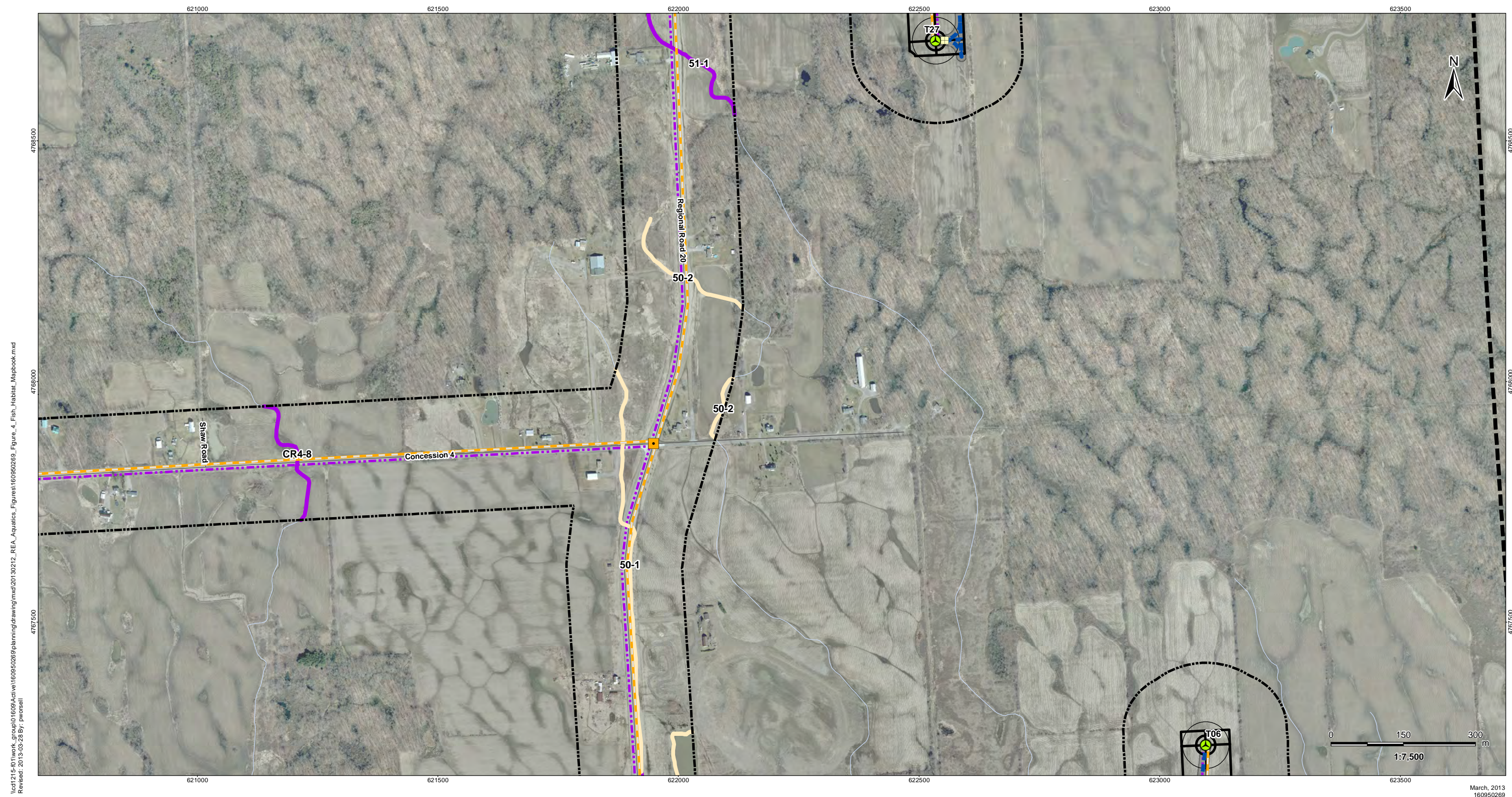
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Figure No.
4.13

Title
**Fish Habitat
 Figure 4.13**



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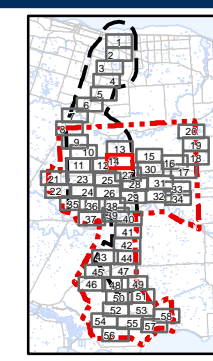


Legend

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|----------------------------|---------------------------------|---|
| Project Study Area | Tap-in Location | Transformer Substation |
| Interconnector Study Area | Transformer Substation Location | Potential Construction Laydown Area |
| 120m Zone of Investigation | Junction Box | Collector Lines – Underground or Overhead |
| Watercourse (MNR) | Proposed Culvert | Fibre Optic Line |
| Fish Habitat | Preferred Transmission Route | Potential Access Road |
| Non-Fish Habitat | Alternate Transmission Route | Access Road 20m Construction Area |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length | | |

Notes

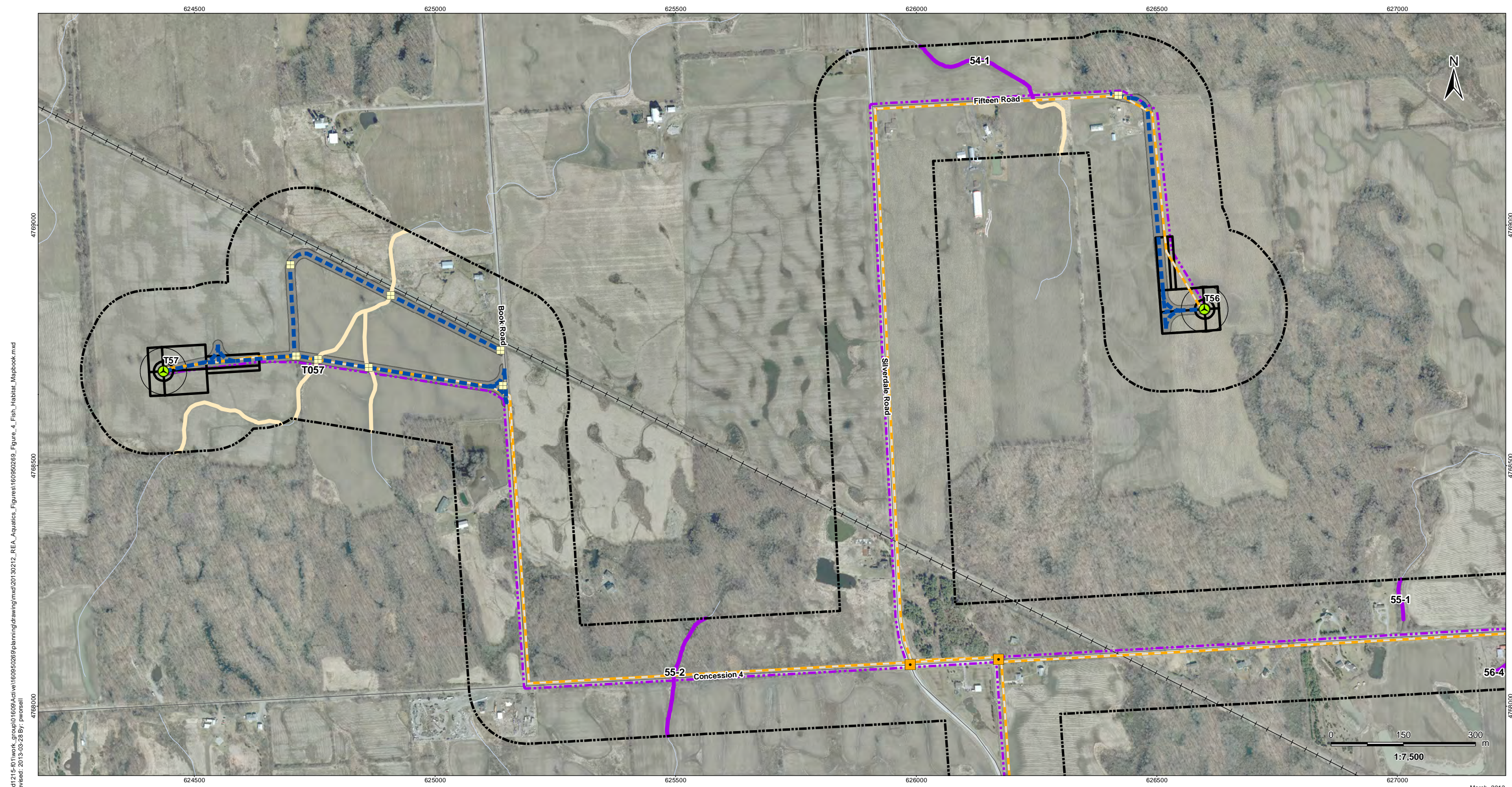
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Figure No.
4.14

Title
**Fish Habitat
 Figure 4.14**



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160950269

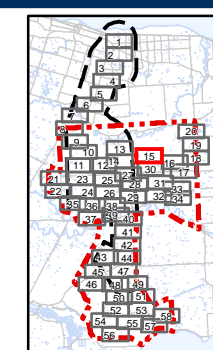


Legend

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|----------------------------|---------------------------------|---|
| Project Study Area | Tap-in Location | Transformer Substation |
| Interconnector Study Area | Transformer Substation Location | Potential Construction Laydown Area |
| 120m Zone of Investigation | Junction Box | Collector Lines – Underground or Overhead |
| Watercourse (MNR) | Proposed Culvert | Fibre Optic Line |
| Fish Habitat | Preferred Transmission Route | Potential Access Road |
| Non-Fish Habitat | Alternate Transmission Route | Access Road 20m Construction Area |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length | | |

Notes

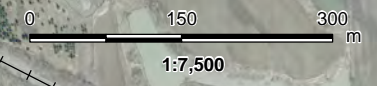
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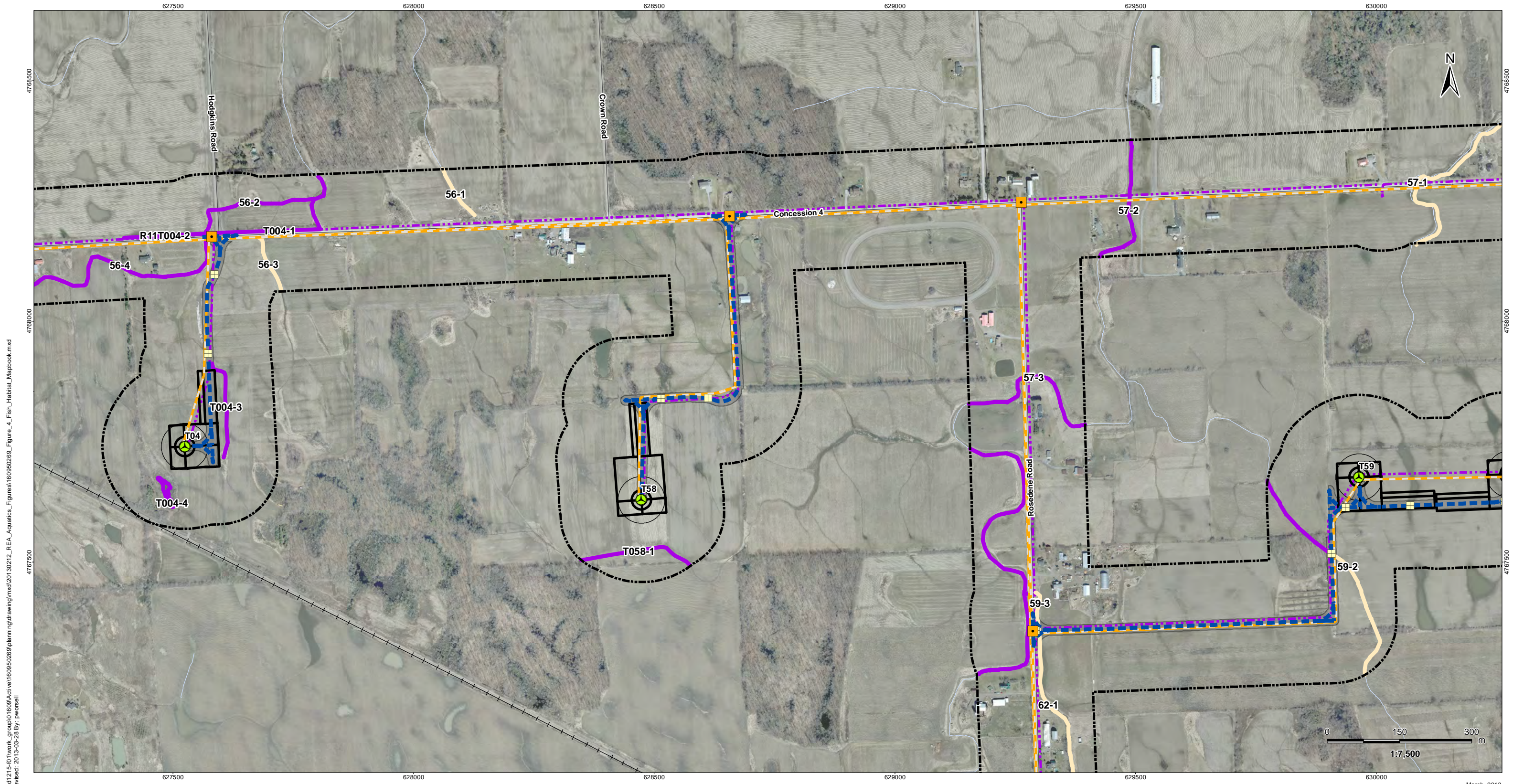


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 Niagara Region Wind Farm
 Water Assessment and Waterbody Report

Figure No.
4.15

Title
**Fish Habitat
 Figure 4.15**





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 Revised: 2013-05-28 By: pworsell

March, 2013
160950269

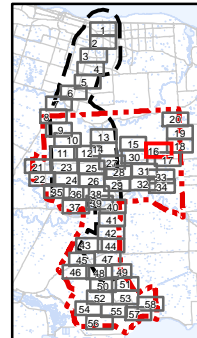


Legend

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|----------------------------|---------------------------------|---|
| Project Study Area | Tap-in Location | Transformer Substation |
| Interconnector Study Area | Transformer Substation Location | Potential Construction Laydown Area |
| 120m Zone of Investigation | Junction Box | Collector Lines – Underground or Overhead |
| Watercourse (MNR) | Proposed Culvert | Fibre Optic Line |
| Fish Habitat | Preferred Transmission Route | Potential Access Road |
| Non-Fish Habitat | Alternate Transmission Route | Access Road 20m Construction Area |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length | | |

Notes

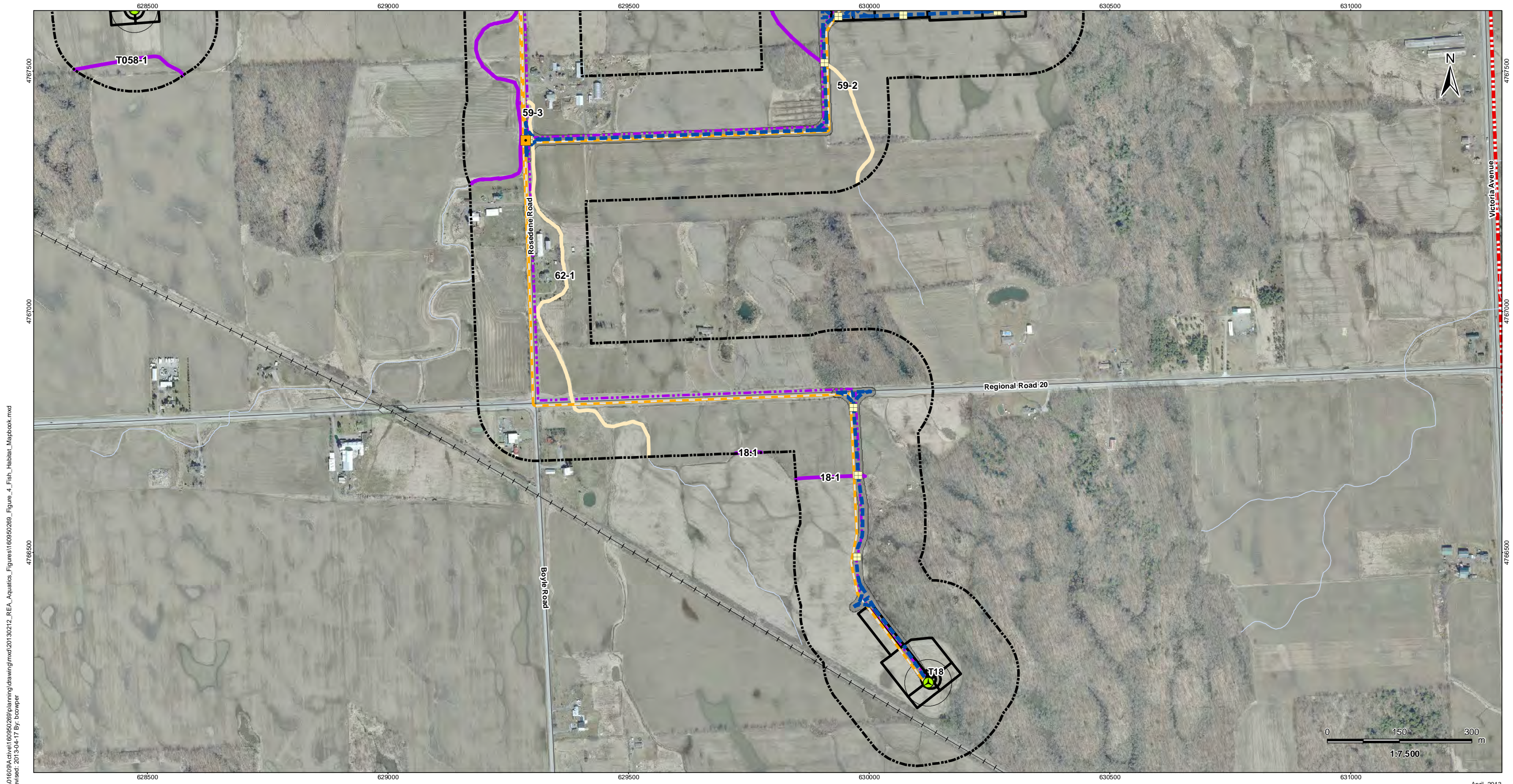
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Figure No.
4.16

Title
**Fish Habitat
 Figure 4.16**



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 Revised: 2013-04-17 By: bcooper

April, 2013
160950269

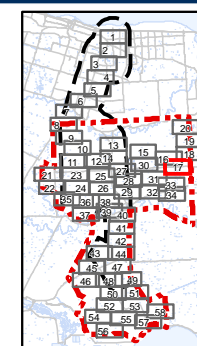


Legend

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|----------------------------|---------------------------------|---|
| Project Study Area | Tap-in Location | Transformer Substation |
| Interconnector Study Area | Transformer Substation Location | Potential Construction Laydown Area |
| 120m Zone of Investigation | Junction Box | Collector Lines – Underground or Overhead |
| Watercourse (MNR) | Proposed Culvert | Fibre Optic Line |
| Fish Habitat | Preferred Transmission Route | Potential Access Road |
| Non-Fish Habitat | Alternate Transmission Route | Access Road 20m Construction Area |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length | | |

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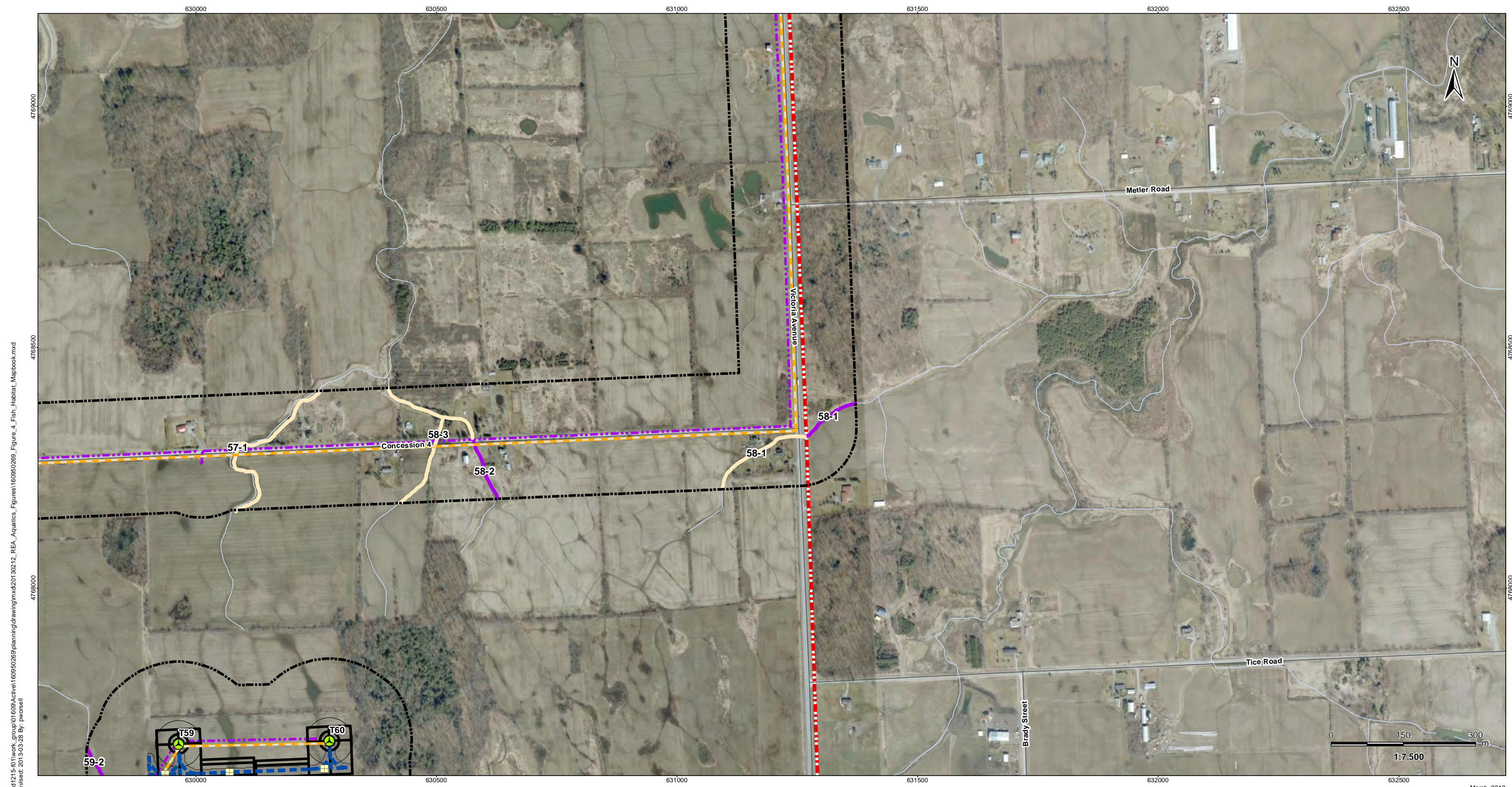
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 Water Assessment and Waterbody Report

Figure No.
4.17

Title
**Fish Habitat
 Figure 4.17**



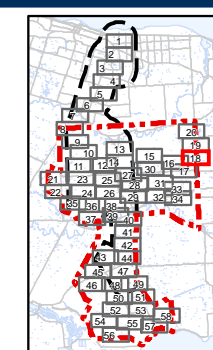
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 Revised: 2013-03-28 By: pworsell

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160950269



Legend					
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	Interconnector Study Area		Transformer Substation Location		Potential Construction Laydown Area
	120m Zone of Investigation		Junction Box		Collector Lines – Underground or Overhead
	Watercourse (MNR)		Proposed Culvert		Fibre Optic Line
	Fish Habitat		Preferred Transmission Route		Potential Access Road
	Non-Fish Habitat		Alternate Transmission Route		Access Road 20m Construction Area
	Proposed Turbine Location		Temporary Laydown Area		
	Turbine Blade Length				

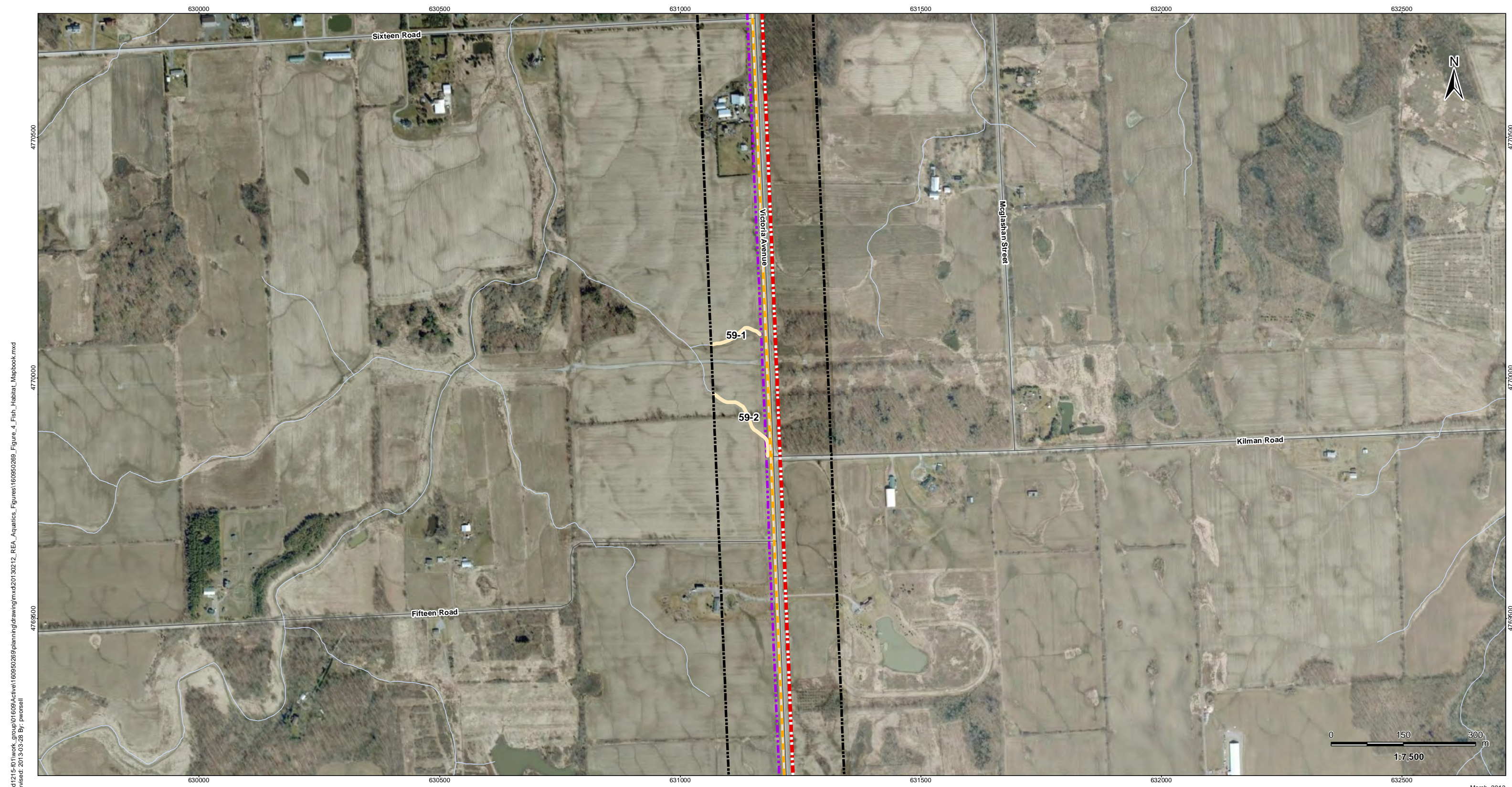
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Figure No.
4.18

Title
**Fish Habitat
 Figure 4.18**



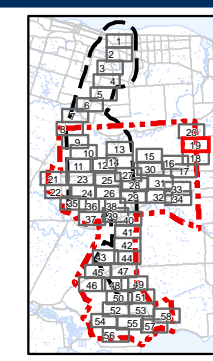
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 Revised: 2013-03-28 By: pworsell

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160950269



Legend					
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	Interconnector Study Area		Transformer Substation Location		Potential Construction Laydown Area
	120m Zone of Investigation		Junction Box		Collector Lines – Underground or Overhead
	Watercourse (MNR)		Proposed Culvert		Fibre Optic Line
	Fish Habitat		Preferred Transmission Route		Potential Access Road
	Non-Fish Habitat		Alternate Transmission Route		Access Road 20m Construction Area
	Proposed Turbine Location		Temporary Laydown Area		
	Turbine Blade Length				

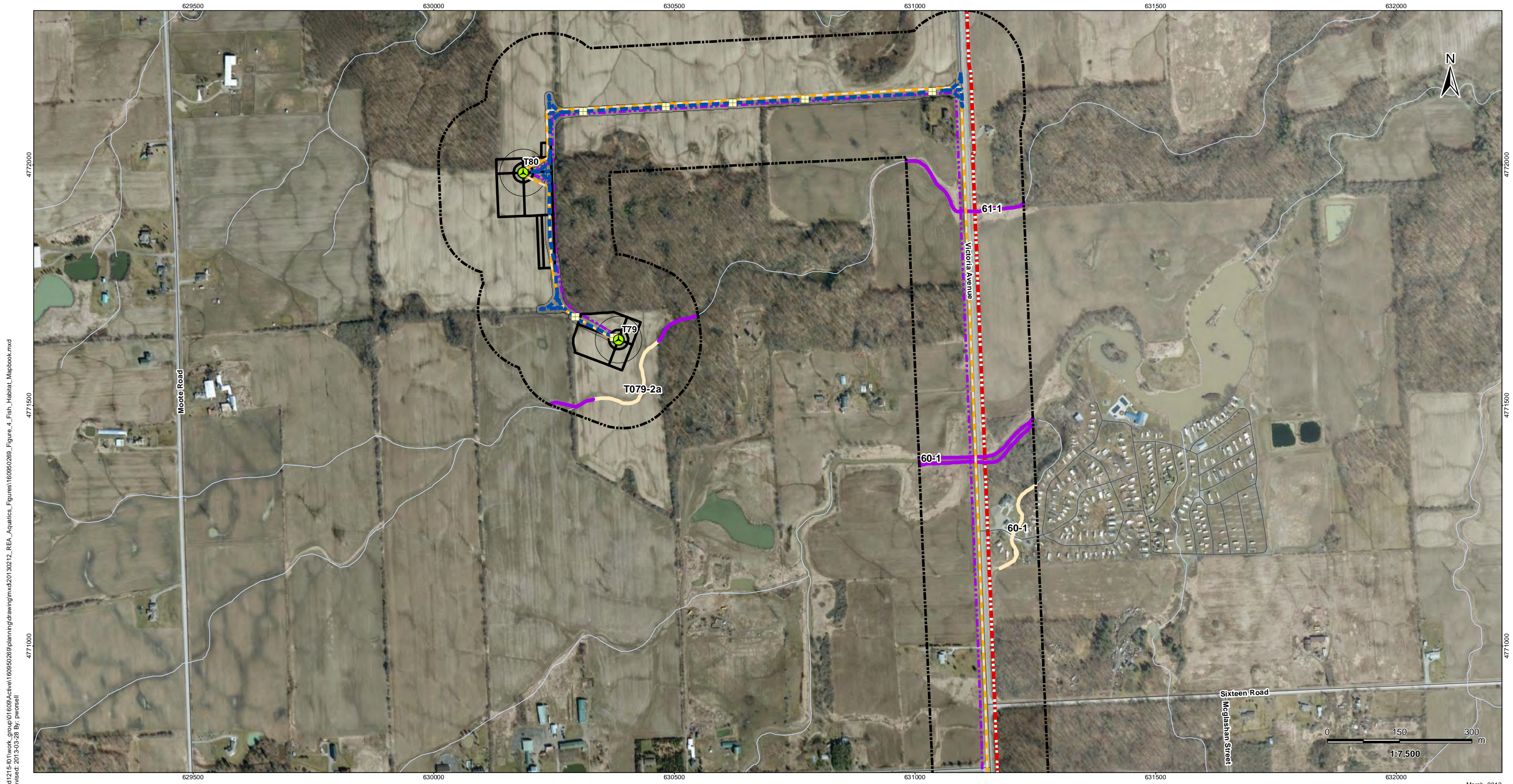
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Figure No.
4.19

Title
Fish Habitat
Figure 4.19



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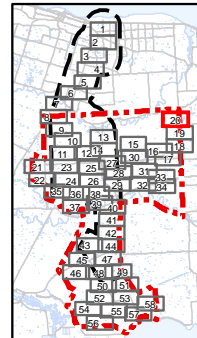


Legend

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| Project Study Area | Tap-in Location | Transformer Substation |
| Interconnector Study Area | Transformer Substation Location | Potential Construction Laydown Area |
| 120m Zone of Investigation | Junction Box | Collector Lines – Underground or Overhead |
| Watercourse (MNR) | Proposed Culvert | Fibre Optic Line |
| Fish Habitat | Preferred Transmission Route | Potential Access Road |
| Non-Fish Habitat | Alternate Transmission Route | Access Road 20m Construction Area |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length | | |

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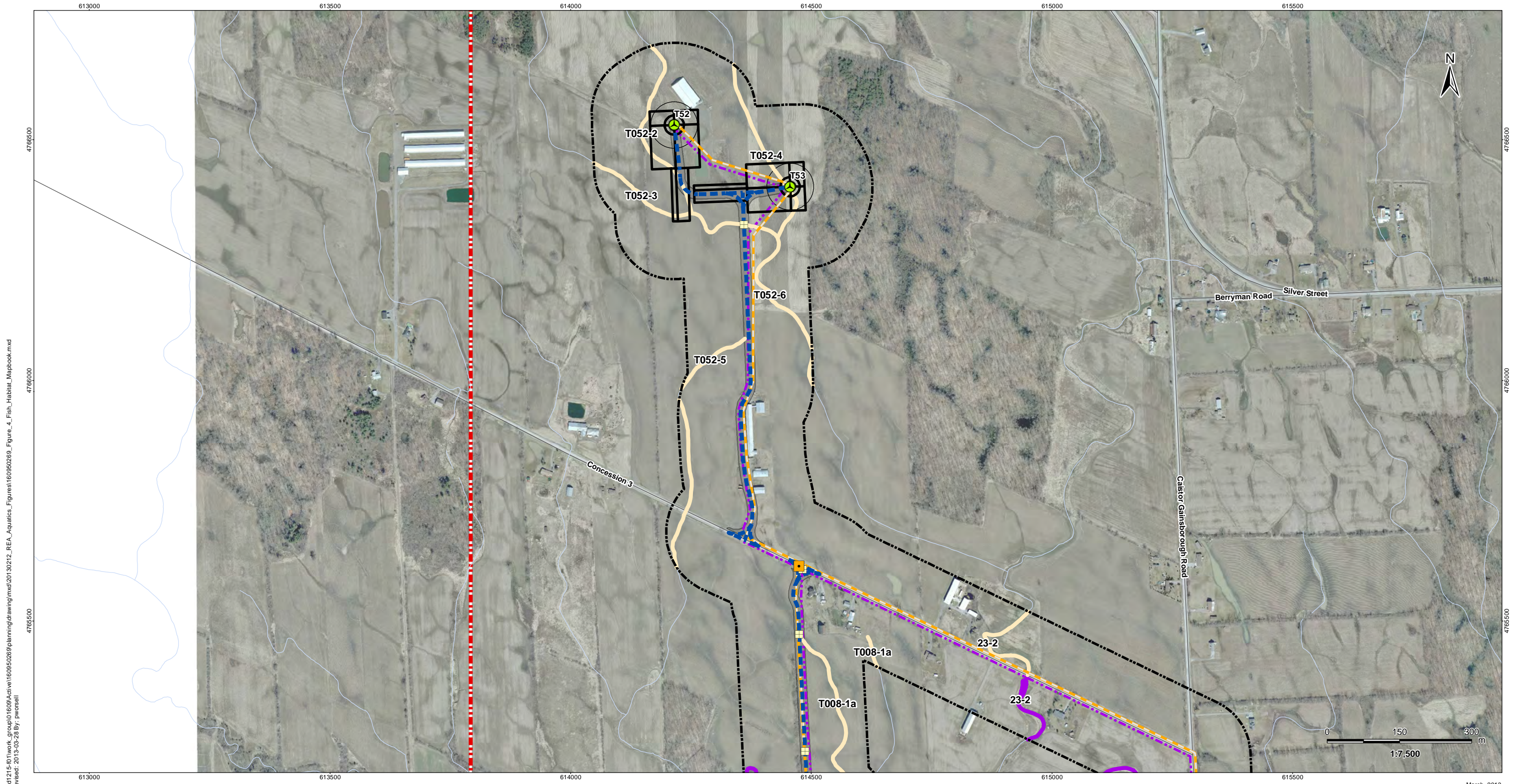
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Figure No.
4.20

Title
**Fish Habitat
 Figure 4.20**



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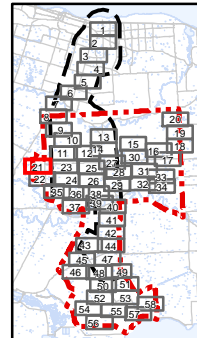


Legend

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| Project Study Area | Tap-in Location | Transformer Substation |
| Interconnector Study Area | Transformer Substation Location | Potential Construction Laydown Area |
| 120m Zone of Investigation | Junction Box | Collector Lines – Underground or Overhead |
| Watercourse (MNR) | Proposed Culvert | Fibre Optic Line |
| Fish Habitat | Preferred Transmission Route | Potential Access Road |
| Non-Fish Habitat | Alternate Transmission Route | Access Road 20m Construction Area |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length | | |

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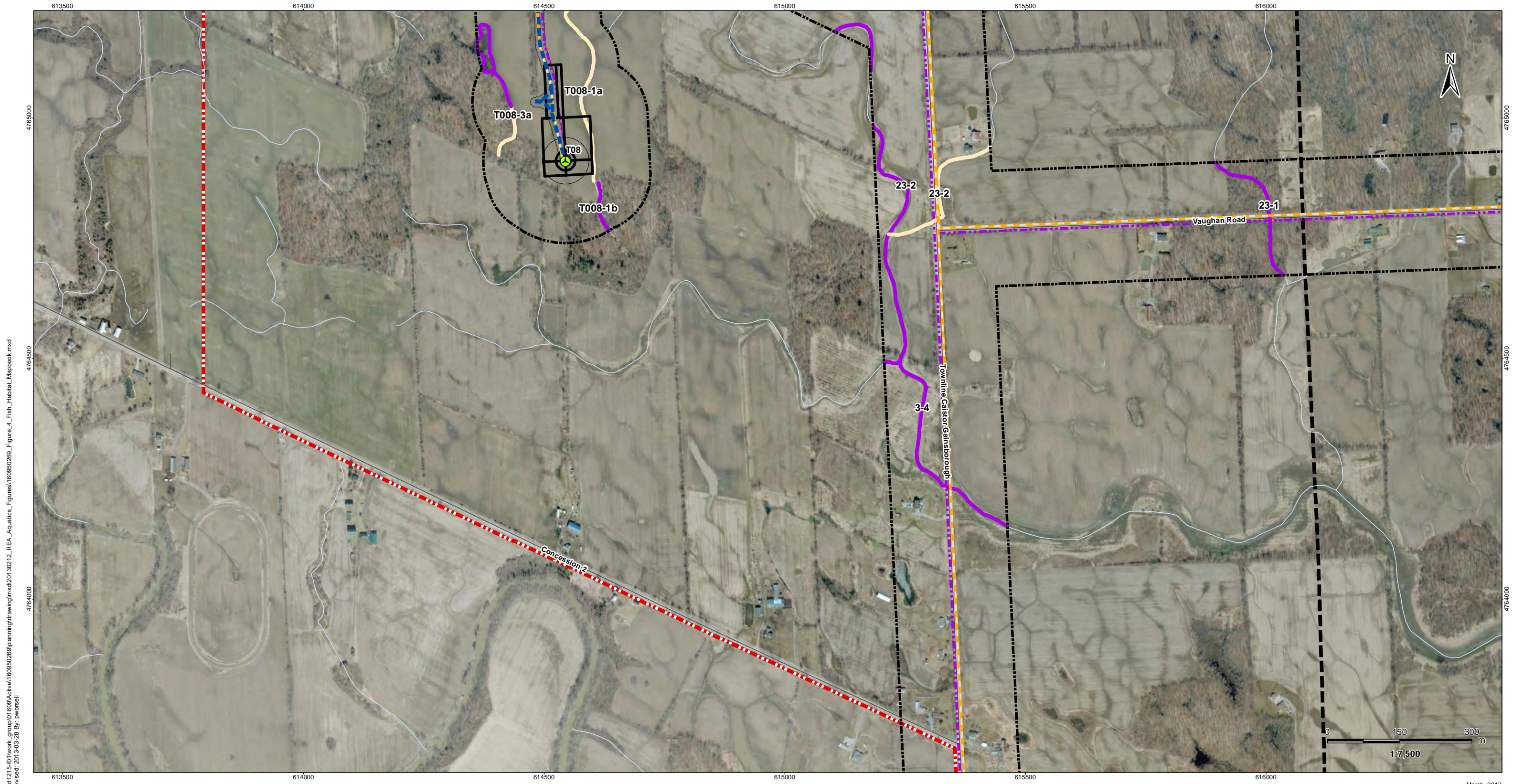
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Figure No.
4.21

Title
**Fish Habitat
 Figure 4.21**



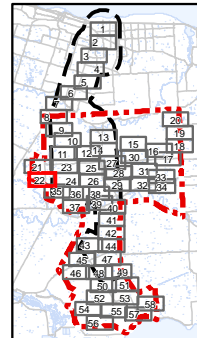
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 Revised: 2013-03-28 By: pworsell

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Legend			
	Project Study Area		Tap-in Location
	Interconnector Study Area		Transformer Substation Location
	120m Zone of Investigation		Junction Box
	Watercourse (MNR)		Proposed Culvert
	Fish Habitat		Preferred Transmission Route
	Non-Fish Habitat		Alternate Transmission Route
	Proposed Turbine Location		Temporary Laydown Area
	Turbine Blade Length		Transformer Substation
			Potential Construction Laydown Area
			Collector Lines – Underground or Overhead
			Fibre Optic Line
			Potential Access Road
			Access Road 20m Construction Area

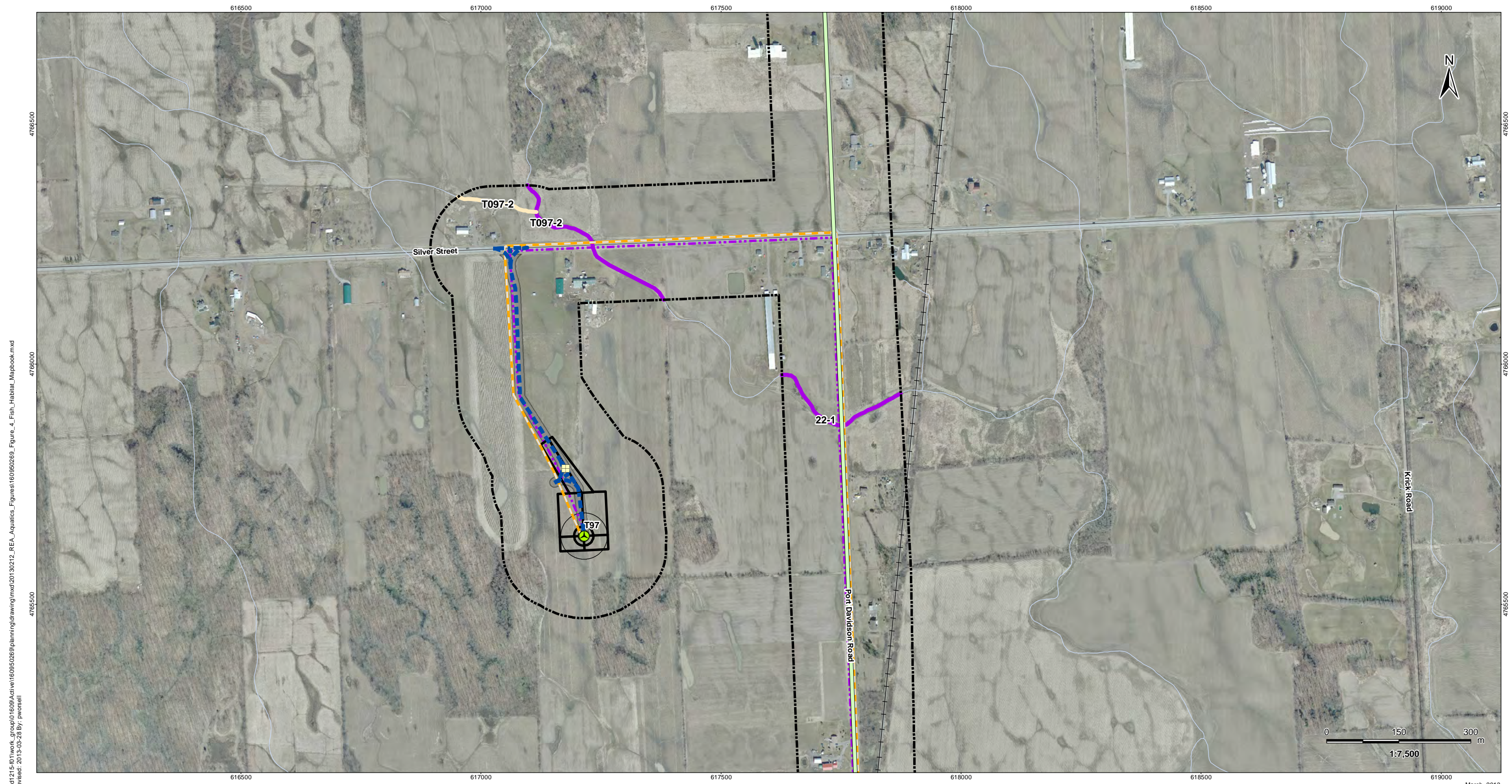
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Figure No.
 4.22

Title
**Fish Habitat
 Figure 4.22**



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 Revised: 2013-05-28 By: pworsell

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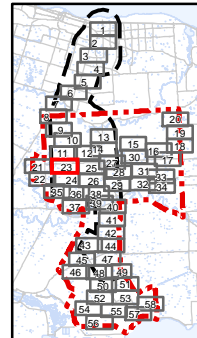


Legend

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|----------------------------|---------------------------------|---|
| Project Study Area | Tap-in Location | Transformer Substation |
| Interconnector Study Area | Transformer Substation Location | Potential Construction Laydown Area |
| 120m Zone of Investigation | Junction Box | Collector Lines – Underground or Overhead |
| Watercourse (MNR) | Proposed Culvert | Fibre Optic Line |
| Fish Habitat | Preferred Transmission Route | Potential Access Road |
| Non-Fish Habitat | Alternate Transmission Route | Access Road 20m Construction Area |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length | | |

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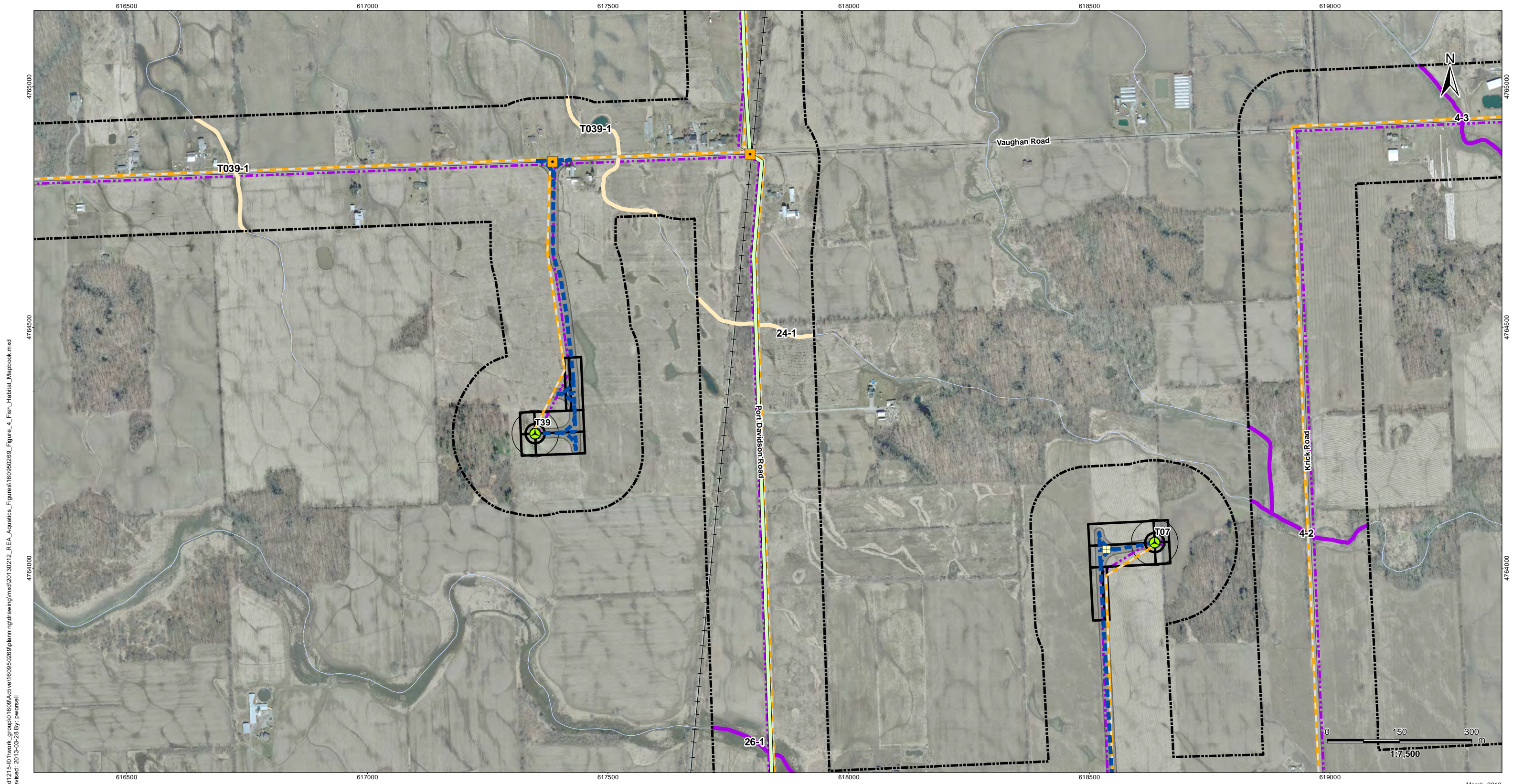
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Figure No.
4.23

Title
**Fish Habitat
 Figure 4.23**



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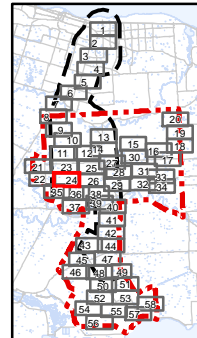


Legend

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| Project Study Area | Tap-in Location | Transformer Substation |
| Interconnector Study Area | Transformer Substation Location | Potential Construction Laydown Area |
| 120m Zone of Investigation | Junction Box | Collector Lines – Underground or Overhead |
| Watercourse (MNR) | Proposed Culvert | Fibre Optic Line |
| Fish Habitat | Preferred Transmission Route | Potential Access Road |
| Non-Fish Habitat | Alternate Transmission Route | Access Road 20m Construction Area |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length | | |

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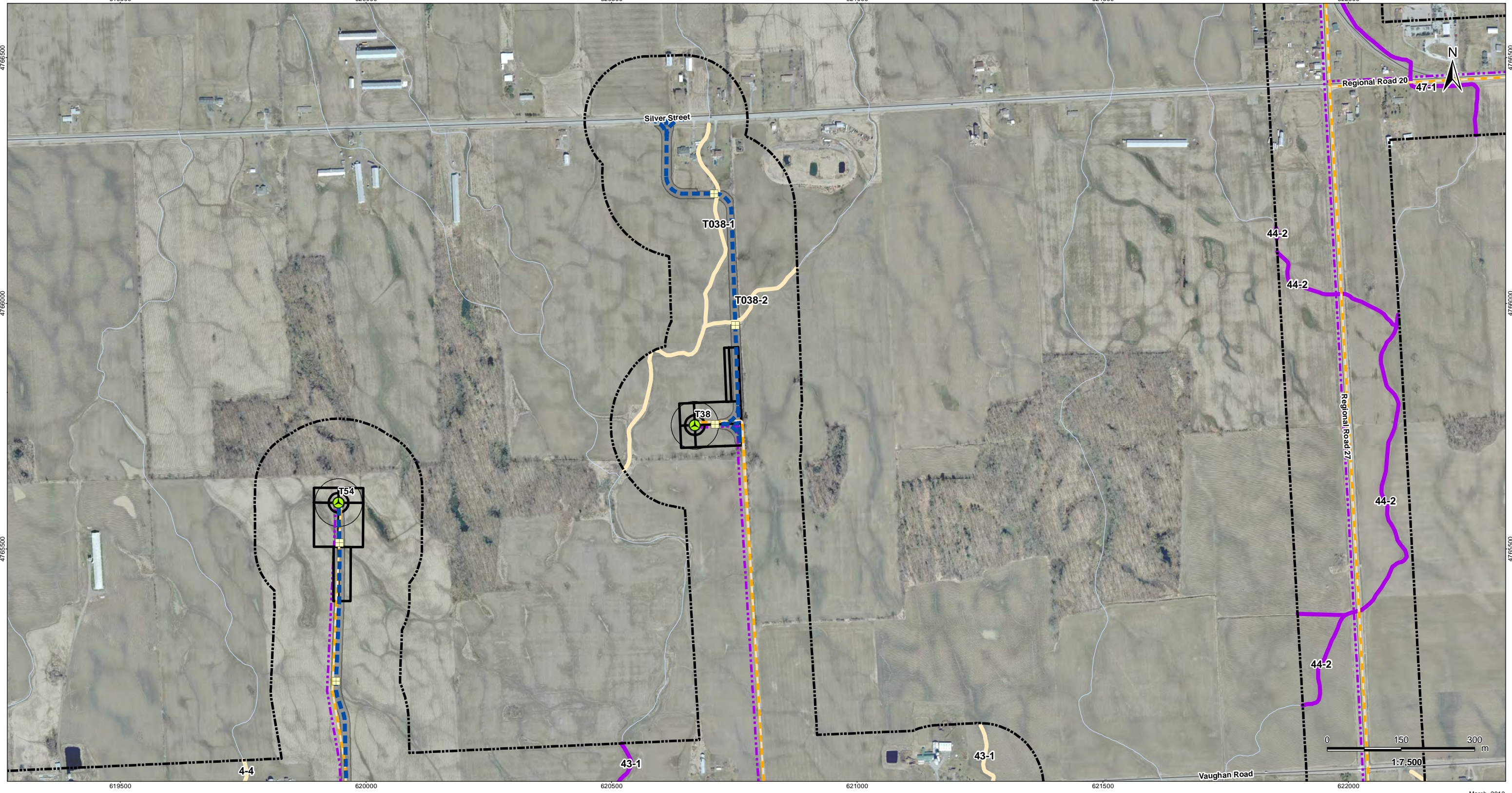
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Figure No.
4.24

Title
**Fish Habitat
 Figure 4.24**



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 Revised: 2013-05-28 By: pworsell

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160950269

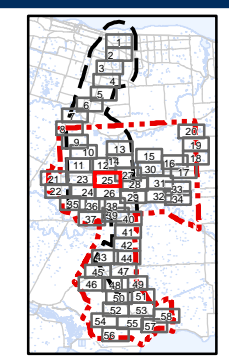


Legend

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|----------------------------|---------------------------------|---|
| Project Study Area | Tap-in Location | Transformer Substation |
| Interconnector Study Area | Transformer Substation Location | Potential Construction Laydown Area |
| 120m Zone of Investigation | Junction Box | Collector Lines – Underground or Overhead |
| Watercourse (MNR) | Proposed Culvert | Fibre Optic Line |
| Fish Habitat | Preferred Transmission Route | Potential Access Road |
| Non-Fish Habitat | Alternate Transmission Route | Access Road 20m Construction Area |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length | | |

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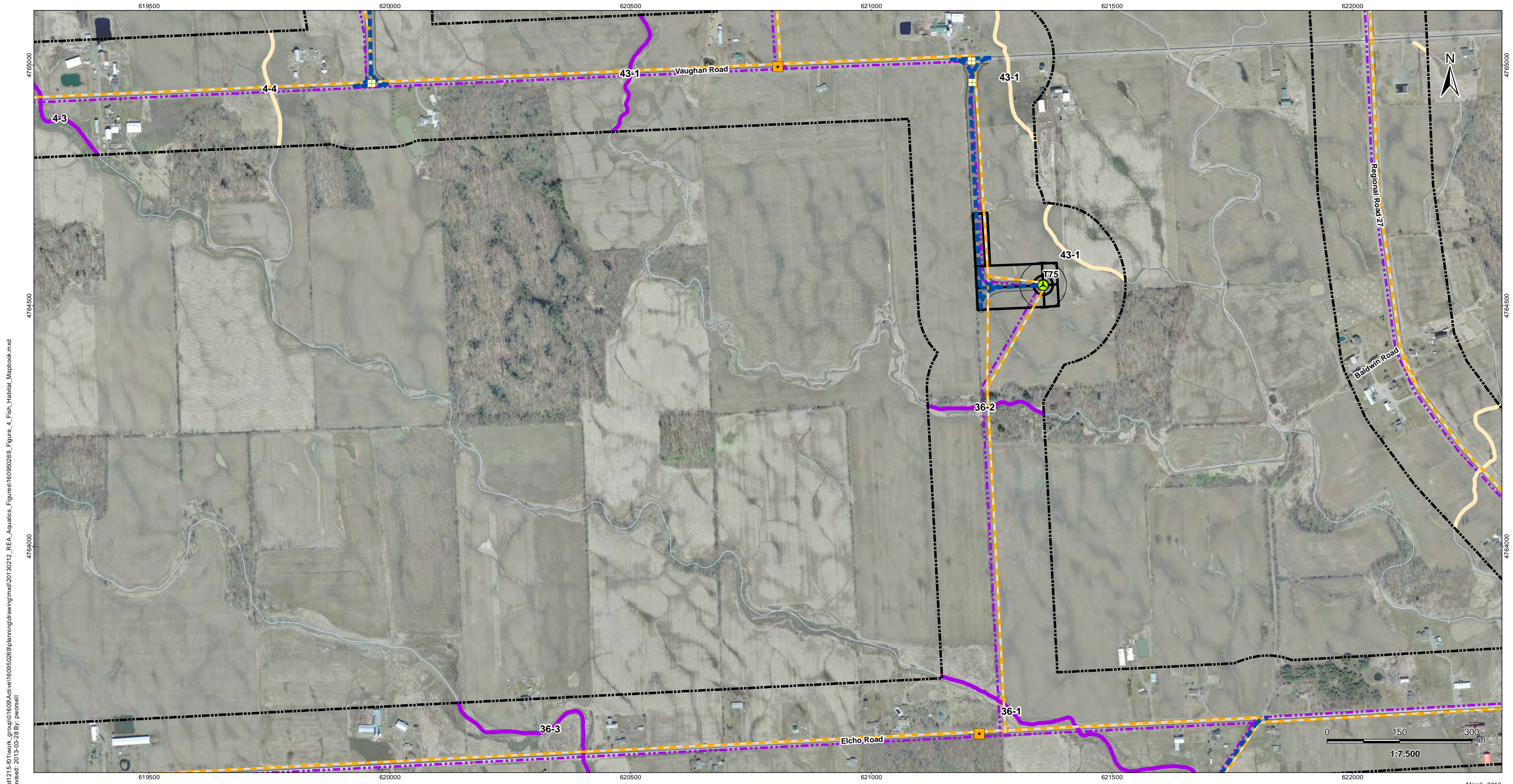
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Figure No.
 4.25

Title
**Fish Habitat
 Figure 4.25**



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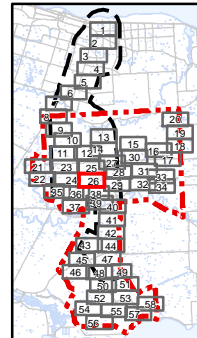


Legend

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|----------------------------|---------------------------------|---|
| Project Study Area | Tap-in Location | Transformer Substation |
| Interconnector Study Area | Transformer Substation Location | Potential Construction Laydown Area |
| 120m Zone of Investigation | Junction Box | Collector Lines – Underground or Overhead |
| Watercourse (MNR) | Proposed Culvert | Fibre Optic Line |
| Fish Habitat | Preferred Transmission Route | Potential Access Road |
| Non-Fish Habitat | Alternate Transmission Route | Access Road 20m Construction Area |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length | | |

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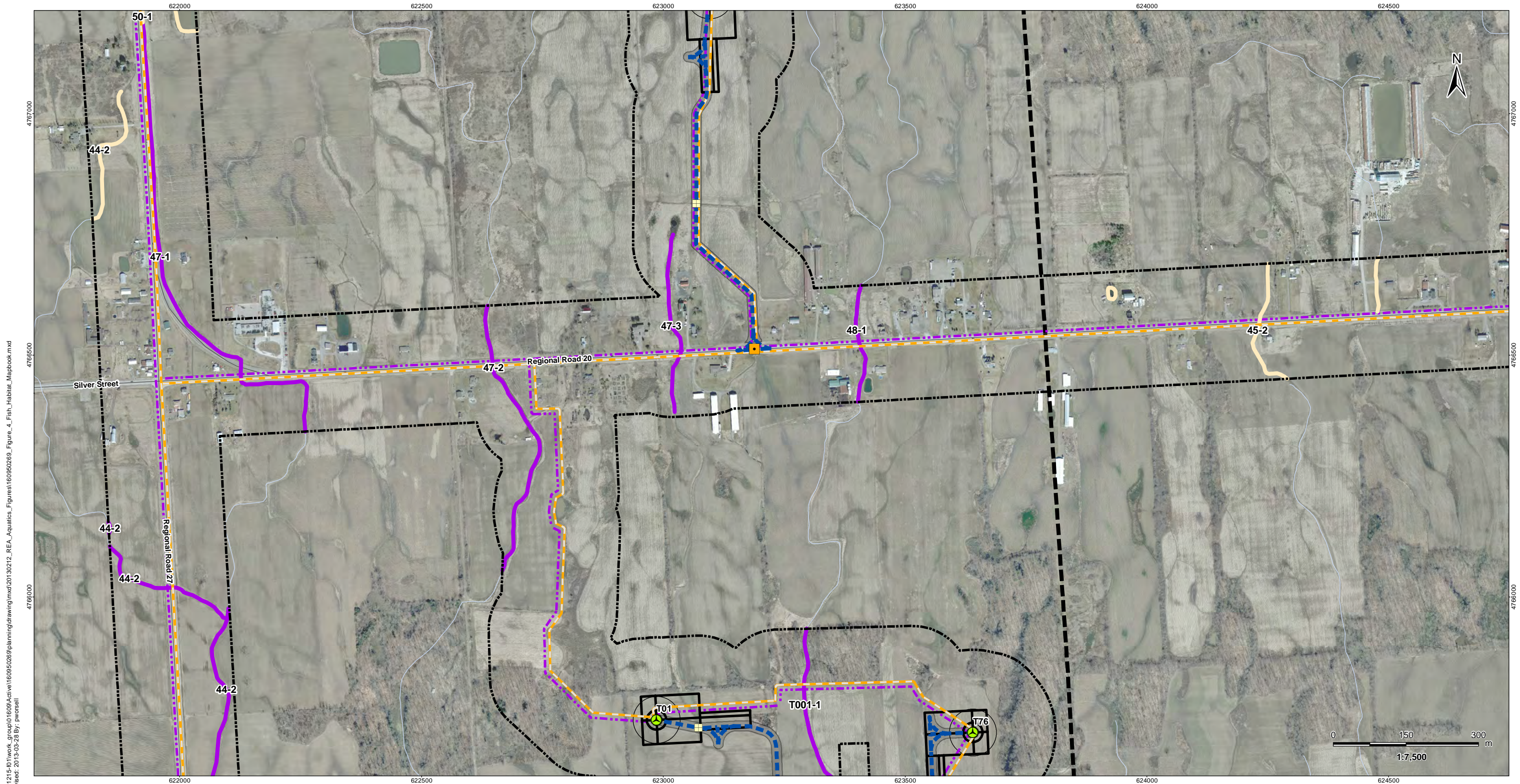
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Figure No.
4.26

Title
**Fish Habitat
 Figure 4.26**



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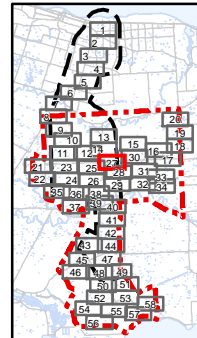


Legend

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|----------------------------|---------------------------------|---|
| Project Study Area | Tap-in Location | Transformer Substation |
| Interconnector Study Area | Transformer Substation Location | Potential Construction Laydown Area |
| 120m Zone of Investigation | Junction Box | Collector Lines – Underground or Overhead |
| Watercourse (MNR) | Proposed Culvert | Fibre Optic Line |
| Fish Habitat | Preferred Transmission Route | Potential Access Road |
| Non-Fish Habitat | Alternate Transmission Route | Access Road 20m Construction Area |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length | | |

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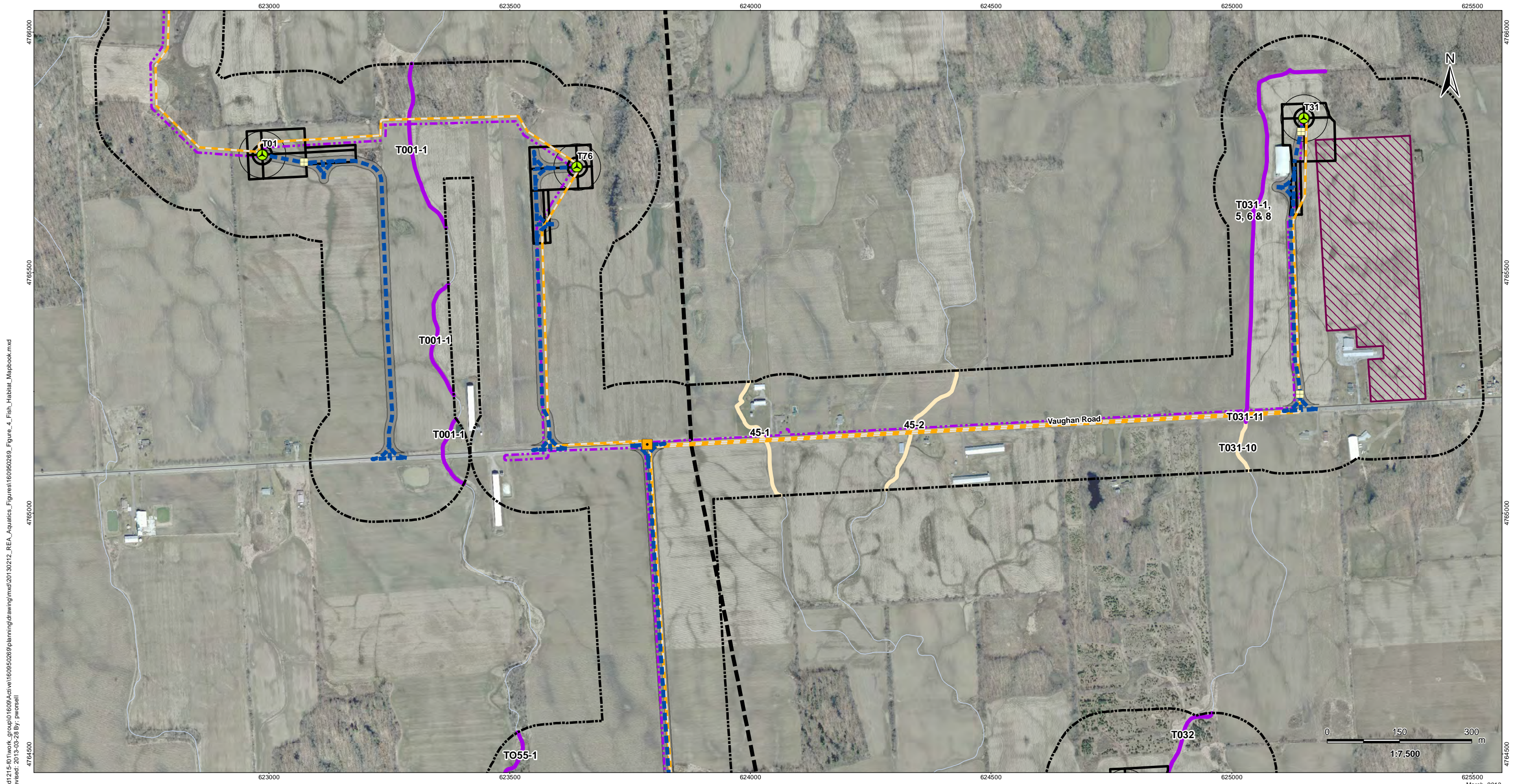
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Figure No.
4.27

Title
**Fish Habitat
 Figure 4.27**

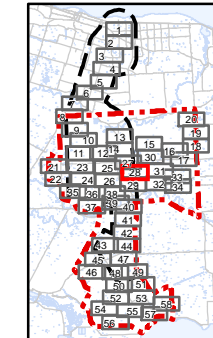


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Legend					
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	Interconnector Study Area		Transformer Substation Location		Potential Construction Laydown Area
	120m Zone of Investigation		Junction Box		Collector Lines – Underground or Overhead
	Watercourse (MNR)		Proposed Culvert		Fibre Optic Line
	Fish Habitat		Preferred Transmission Route		Potential Access Road
	Non-Fish Habitat		Alternate Transmission Route		Access Road 20m Construction Area
	Proposed Turbine Location		Temporary Laydown Area		
	Turbine Blade Length				

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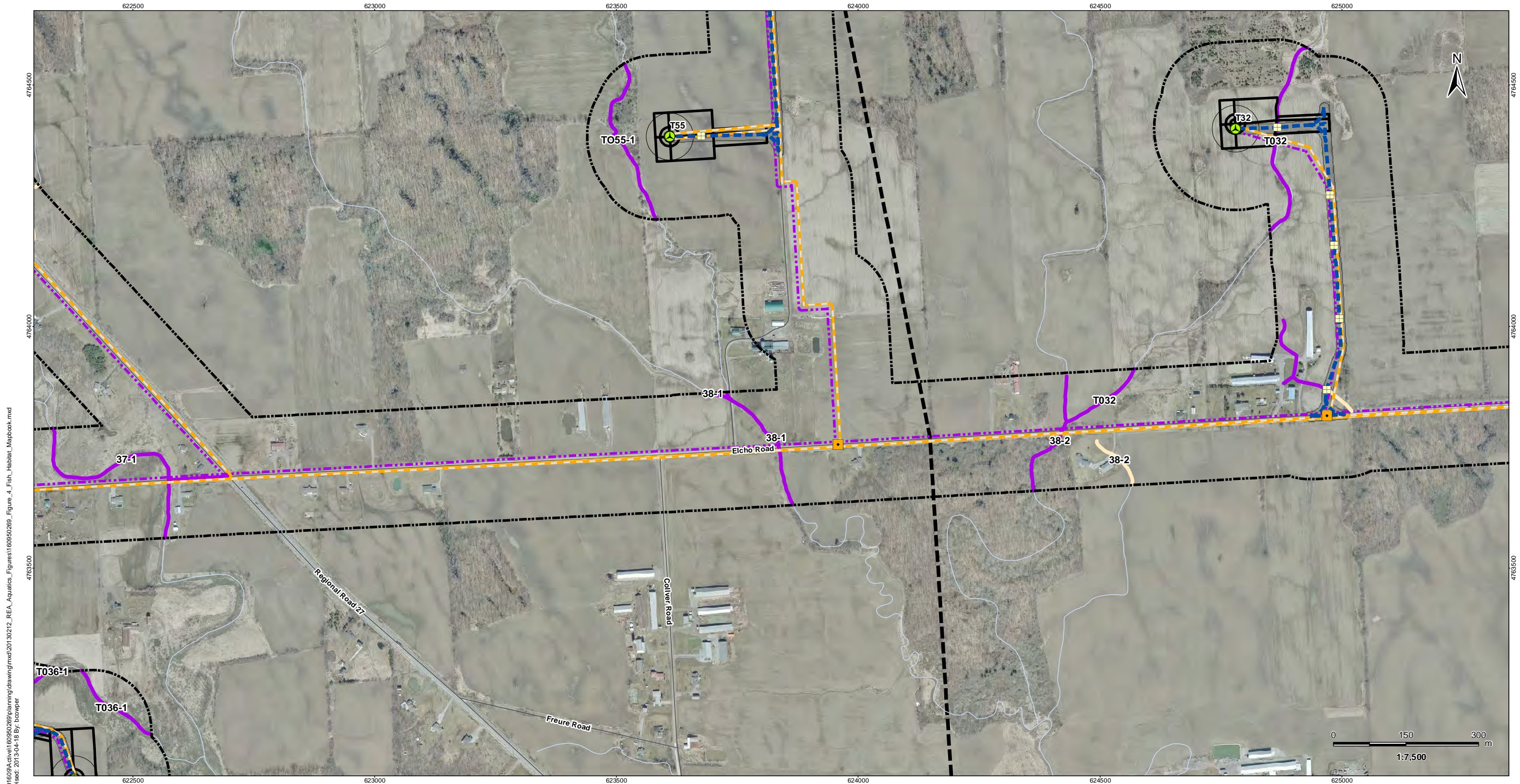


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Figure No.
4.28

Title
**Fish Habitat
 Figure 4.28**

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160950269

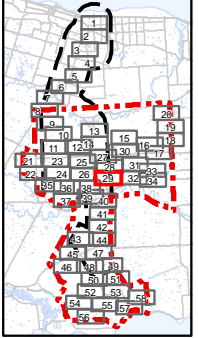


Legend

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| Interconnector Study Area | Transformer Substation Location | Potential Construction Laydown Area |
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| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length | | |

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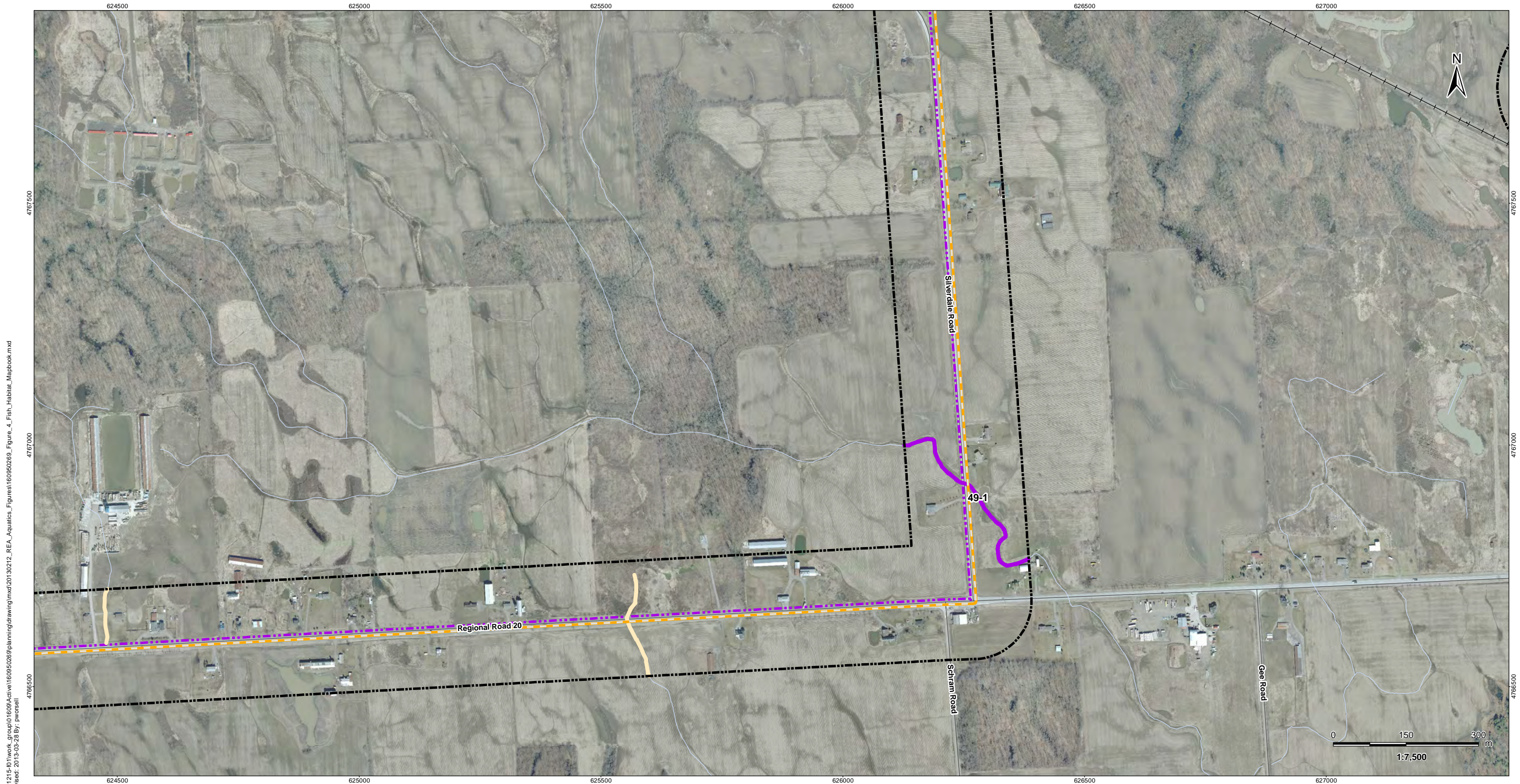
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Figure No.
4.29

Title
**Fish Habitat
 Figure 4.29**



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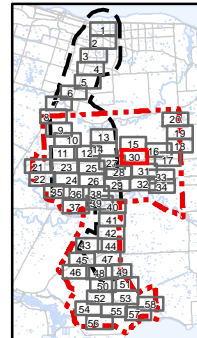


Legend

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| Interconnector Study Area | Transformer Substation Location | Potential Construction Laydown Area |
| 120m Zone of Investigation | Junction Box | Collector Lines – Underground or Overhead |
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| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length | | |

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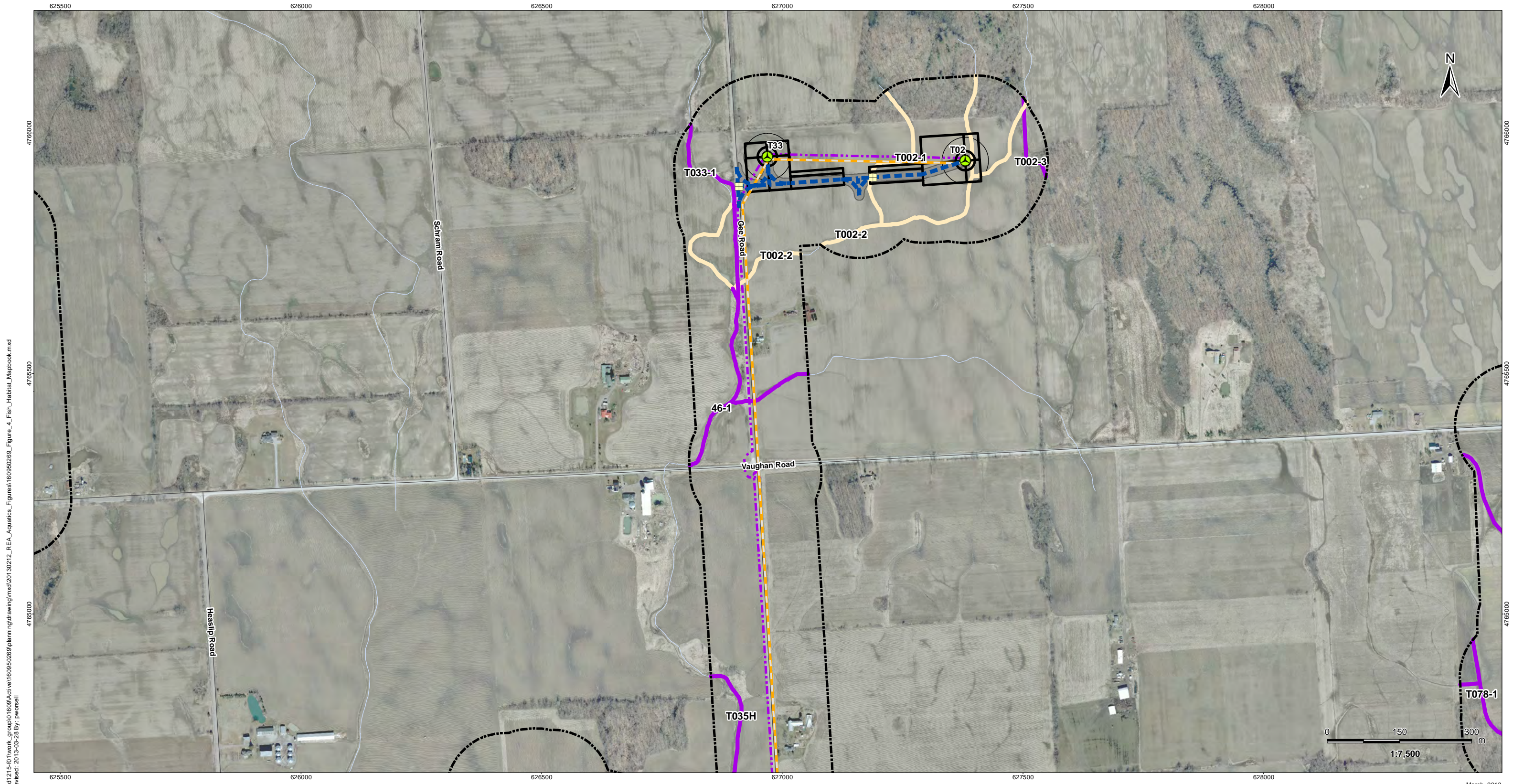
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Figure No.
4.30

Title
**Fish Habitat
 Figure 4.30**



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 Revised: 2013-05-28 By: pworsell

March, 2013
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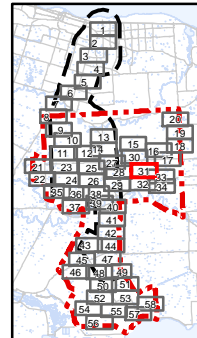


Legend

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|----------------------------|---------------------------------|---|
| Project Study Area | Tap-in Location | Transformer Substation |
| Interconnector Study Area | Transformer Substation Location | Potential Construction Laydown Area |
| 120m Zone of Investigation | Junction Box | Collector Lines – Underground or Overhead |
| Watercourse (MNR) | Proposed Culvert | Fibre Optic Line |
| Fish Habitat | Preferred Transmission Route | Potential Access Road |
| Non-Fish Habitat | Alternate Transmission Route | Access Road 20m Construction Area |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length | | |

Notes

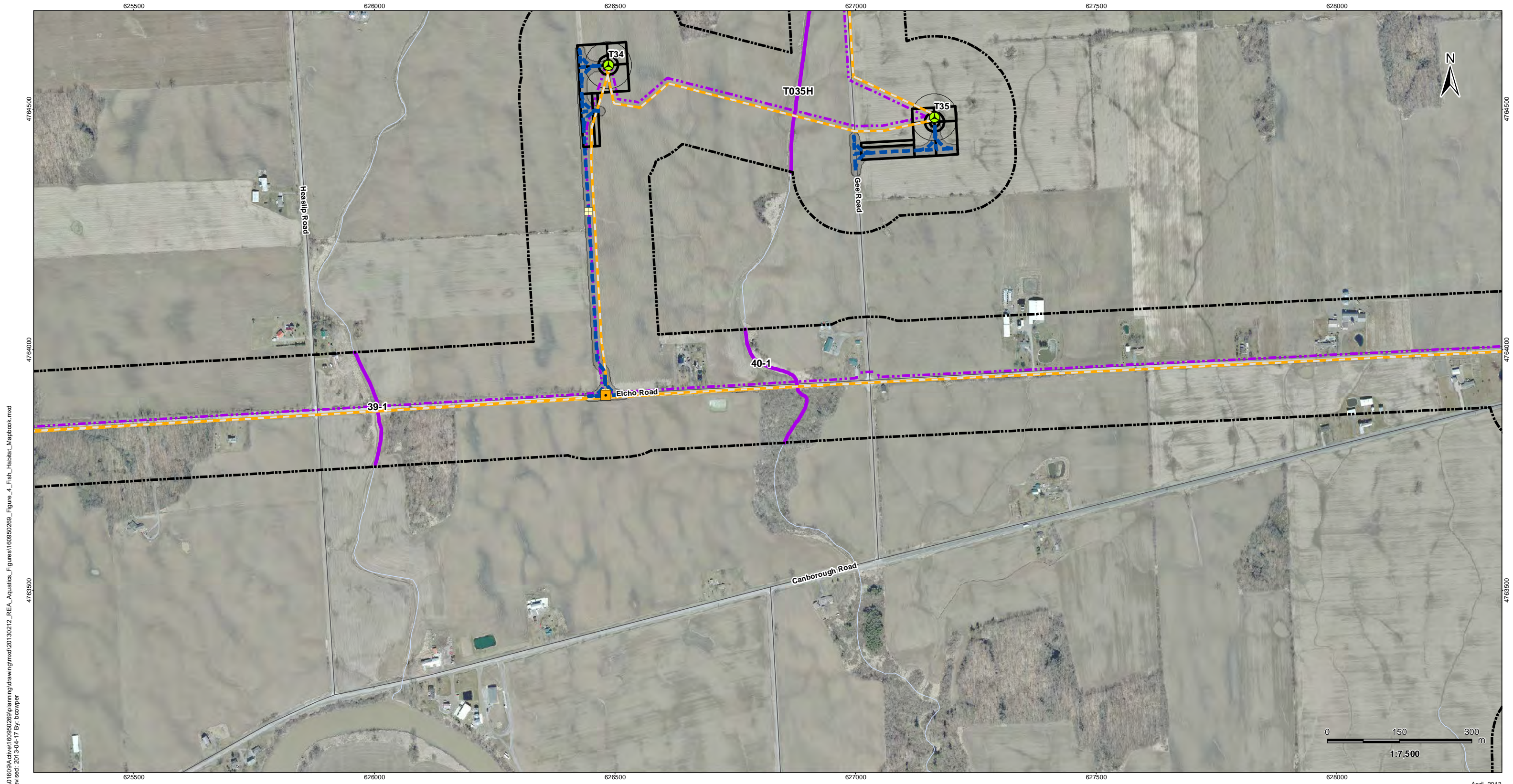
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 Niagara Region Wind Farm
 Water Assessment and Waterbody Report

Figure No.
4.31

Title
**Fish Habitat
 Figure 4.31**



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 Revised: 2013-04-17 By: bcooper

April, 2013
160950269

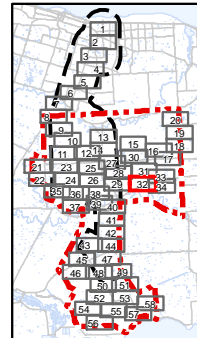


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|----------------------------|---------------------------------|---|
| Project Study Area | Tap-in Location | Transformer Substation |
| Interconnector Study Area | Transformer Substation Location | Potential Construction Laydown Area |
| 120m Zone of Investigation | Junction Box | Collector Lines – Underground or Overhead |
| Watercourse (MNR) | Proposed Culvert | Fibre Optic Line |
| Fish Habitat | Preferred Transmission Route | Potential Access Road |
| Non-Fish Habitat | Alternate Transmission Route | Access Road 20m Construction Area |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length | | |

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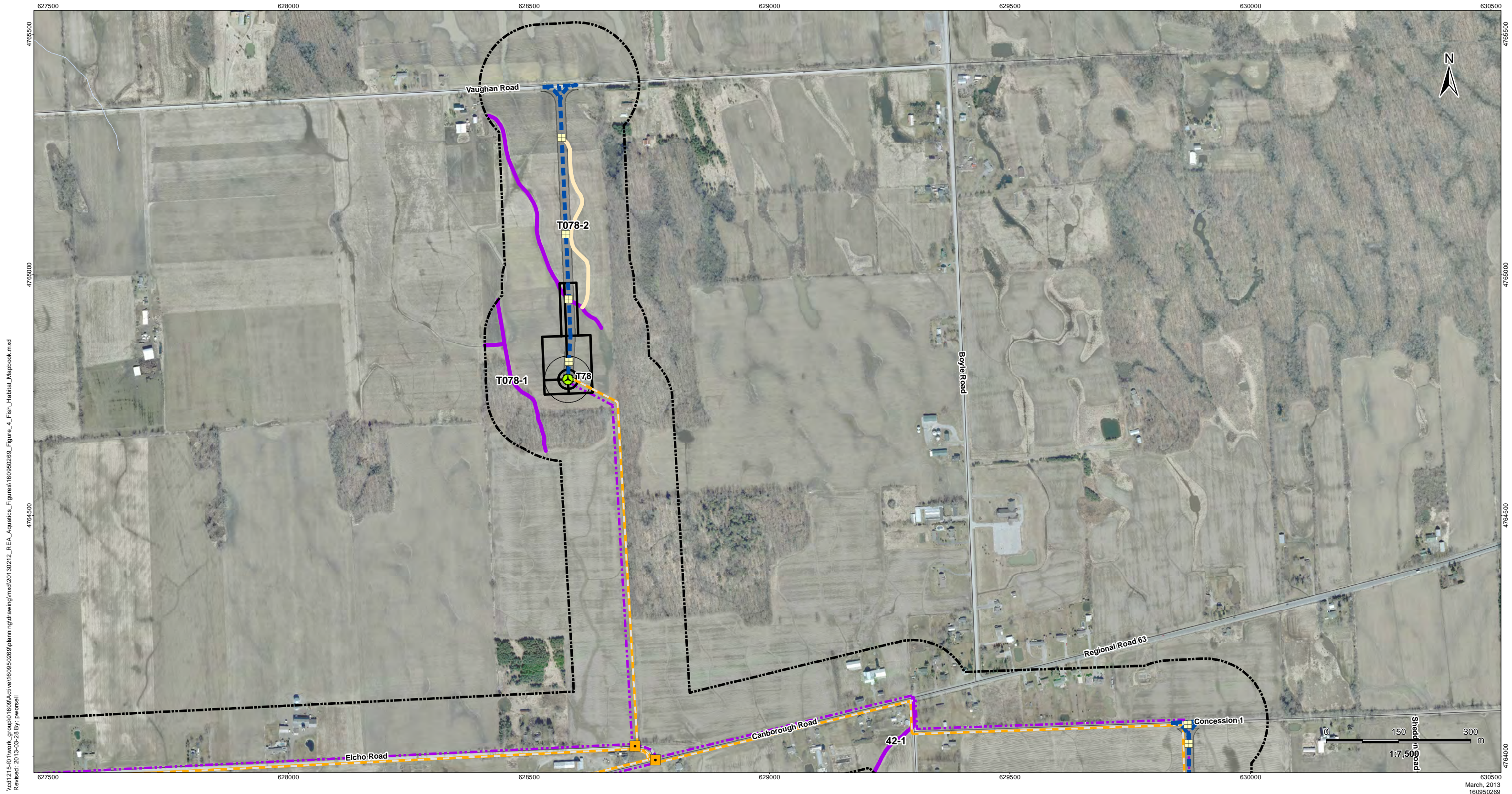
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 Water Assessment and Waterbody Report

Figure No.
4.32

Title
**Fish Habitat
 Figure 4.32**



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 Revised: 2013-05-28 By: pworsell

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 March, 2013
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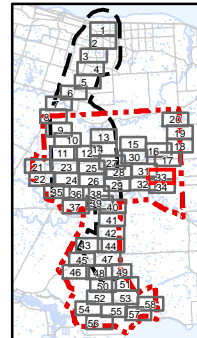


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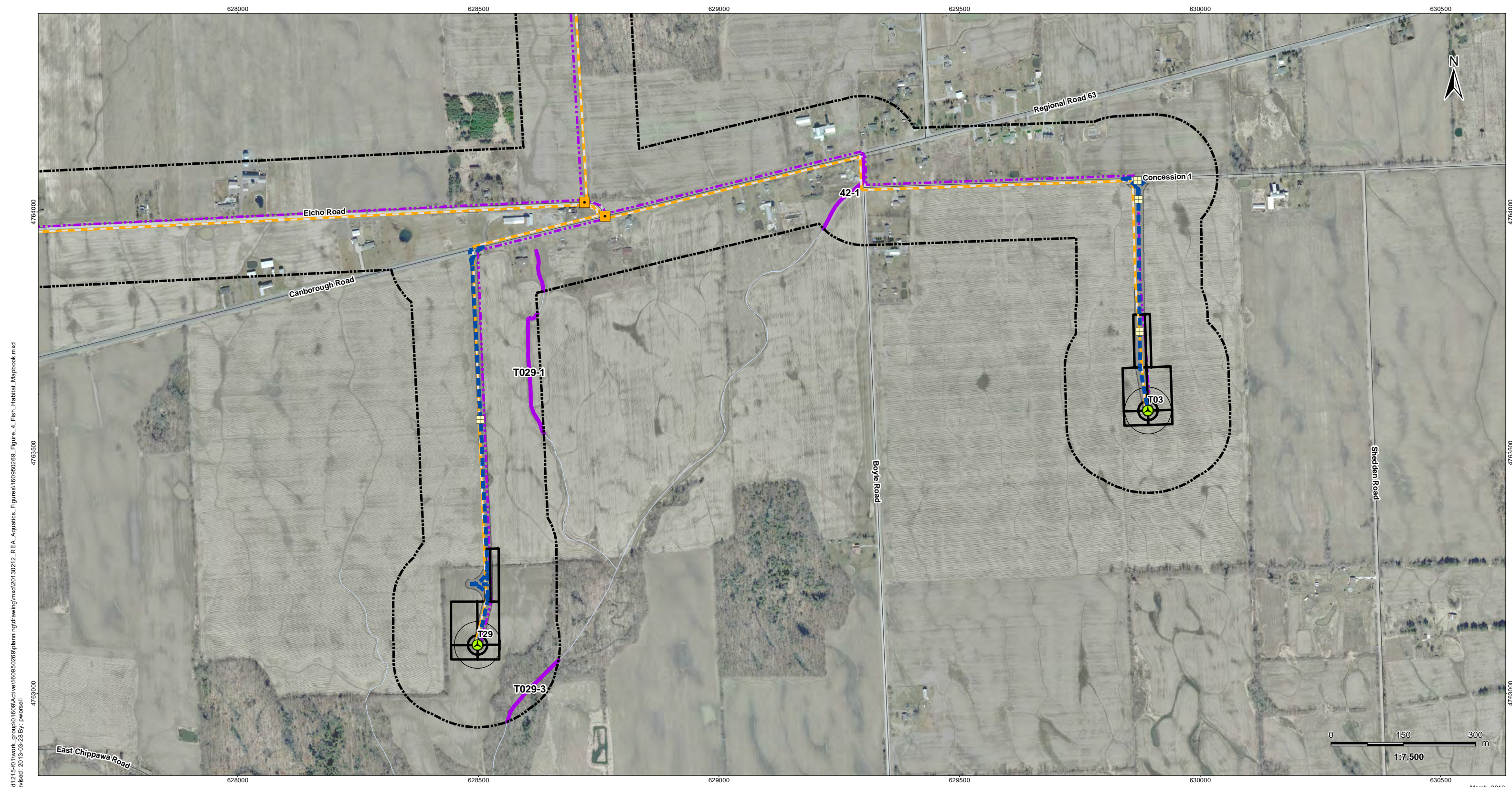
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| Project Study Area | Tap-in Location | Transformer Substation |
| Interconnector Study Area | Transformer Substation Location | Potential Construction Laydown Area |
| 120m Zone of Investigation | Junction Box | Collector Lines – Underground or Overhead |
| Watercourse (MNR) | Proposed Culvert | Fibre Optic Line |
| Fish Habitat | Preferred Transmission Route | Potential Access Road |
| Non-Fish Habitat | Alternate Transmission Route | Access Road 20m Construction Area |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length | | |

Notes

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 Figure No.
4.33
 Title
**Fish Habitat
 Figure 4.33**



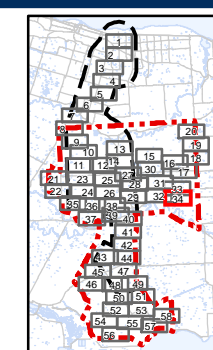
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 Revised: 2013-05-28 By: pworsell

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160950269



Legend					
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	Interconnector Study Area		Transformer Substation Location		Potential Construction Laydown Area
	120m Zone of Investigation		Junction Box		Collector Lines – Underground or Overhead
	Watercourse (MNR)		Proposed Culvert		Fibre Optic Line
	Fish Habitat		Preferred Transmission Route		Potential Access Road
	Non-Fish Habitat		Alternate Transmission Route		Access Road 20m Construction Area
	Proposed Turbine Location		Temporary Laydown Area		
	Turbine Blade Length				

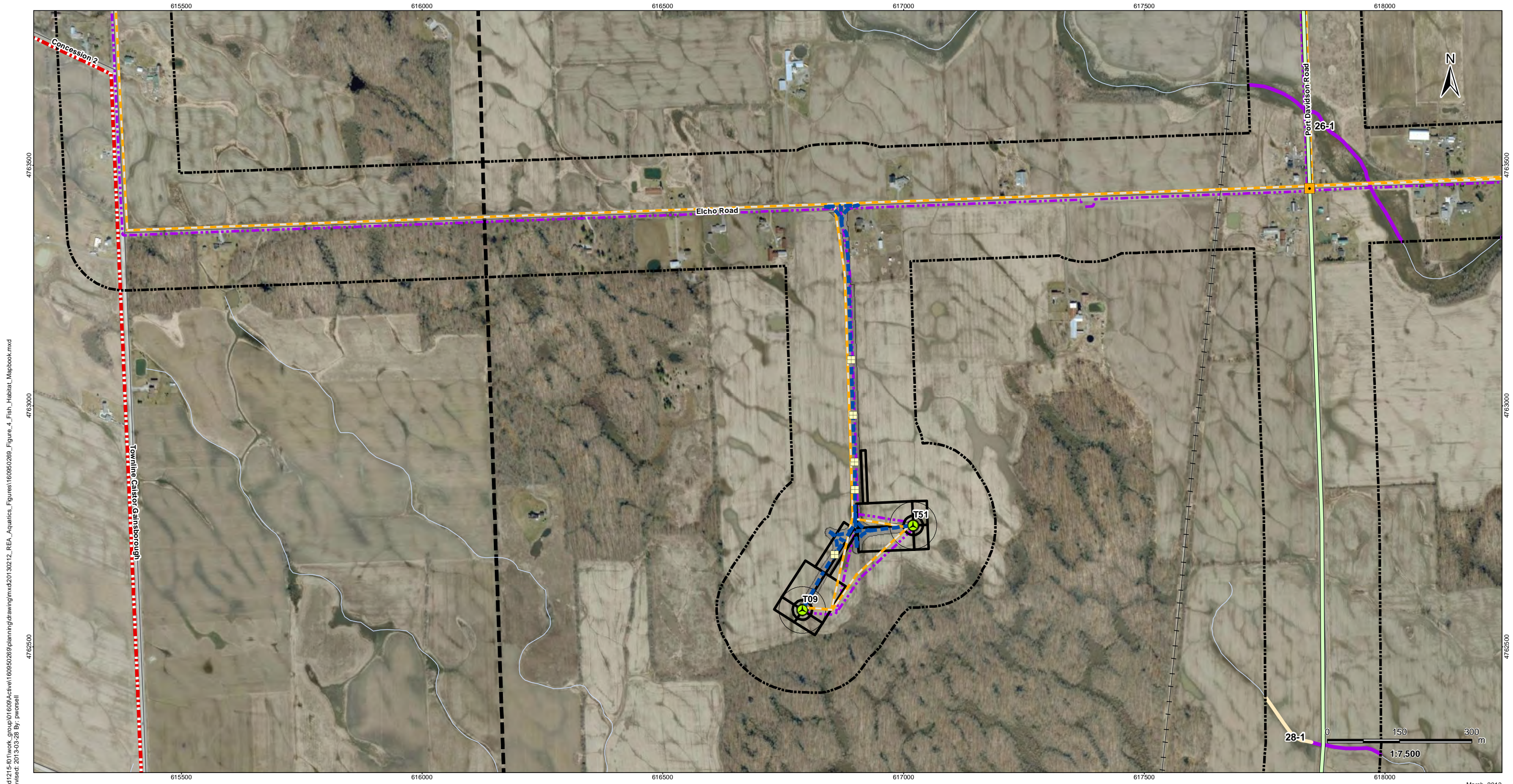
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Figure No.
4.34

Title
**Fish Habitat
 Figure 4.34**



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160950269

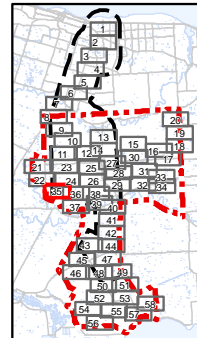


Legend

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|----------------------------|---------------------------------|---|
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| Interconnector Study Area | Transformer Substation Location | Potential Construction Laydown Area |
| 120m Zone of Investigation | Junction Box | Collector Lines – Underground or Overhead |
| Watercourse (MNR) | Proposed Culvert | Fibre Optic Line |
| Fish Habitat | Preferred Transmission Route | Potential Access Road |
| Non-Fish Habitat | Alternate Transmission Route | Access Road 20m Construction Area |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length | | |

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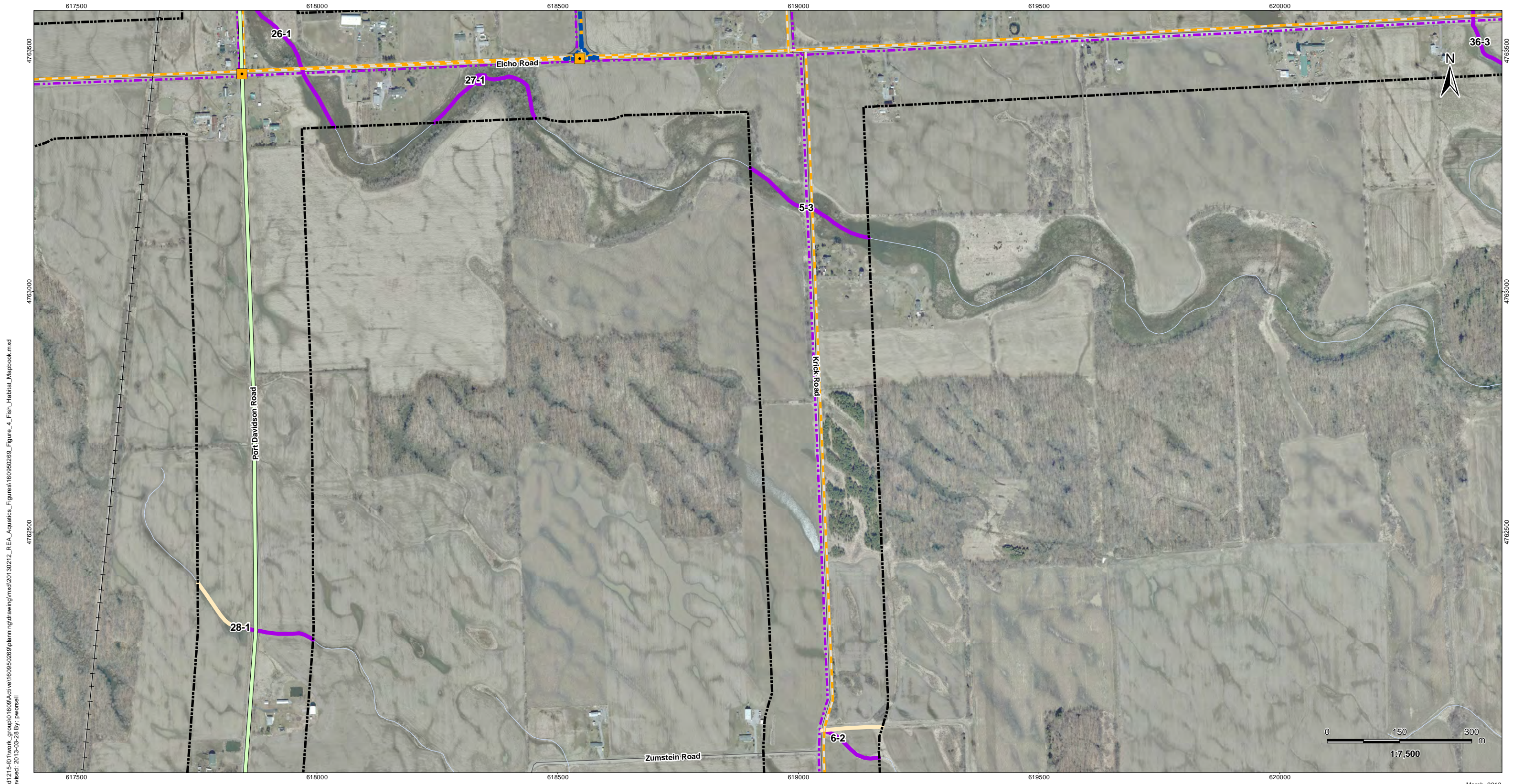
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Figure No.
4.35

Title
**Fish Habitat
 Figure 4.35**



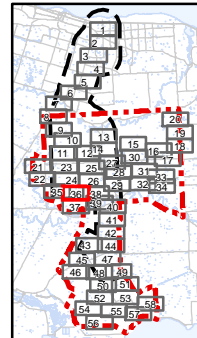
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 Revised: 2013-05-28 By: pworsell

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160950269



Legend			
	Project Study Area		Tap-in Location
	Interconnector Study Area		Transformer Substation Location
	120m Zone of Investigation		Junction Box
	Watercourse (MNR)		Proposed Culvert
	Fish Habitat		Preferred Transmission Route
	Non-Fish Habitat		Alternate Transmission Route
	Proposed Turbine Location		Temporary Laydown Area
	Turbine Blade Length		Transformer Substation
			Potential Construction Laydown Area
			Collector Lines – Underground or Overhead
			Fibre Optic Line
			Potential Access Road
			Access Road 20m Construction Area

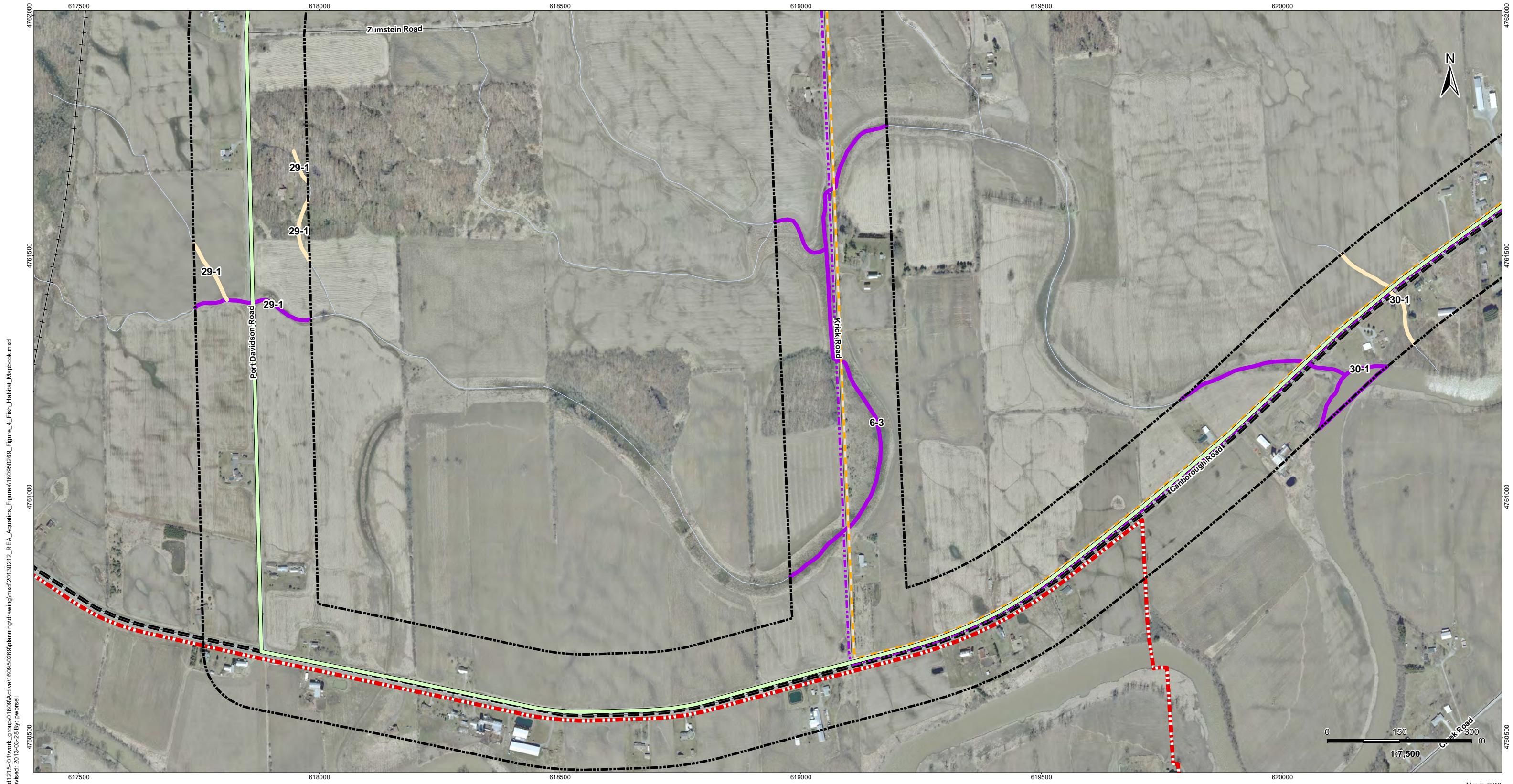
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Figure No.
4.36

Title
**Fish Habitat
 Figure 4.36**



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March, 2013
160950269

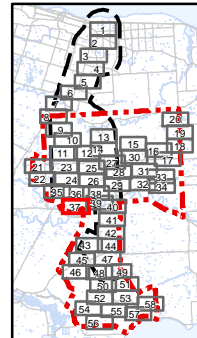


Legend

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|----------------------------|---------------------------------|---|
| Project Study Area | Tap-in Location | Transformer Substation |
| Interconnector Study Area | Transformer Substation Location | Potential Construction Laydown Area |
| 120m Zone of Investigation | Junction Box | Collector Lines – Underground or Overhead |
| Watercourse (MNR) | Proposed Culvert | Fibre Optic Line |
| Fish Habitat | Preferred Transmission Route | Potential Access Road |
| Non-Fish Habitat | Alternate Transmission Route | Access Road 20m Construction Area |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length | | |

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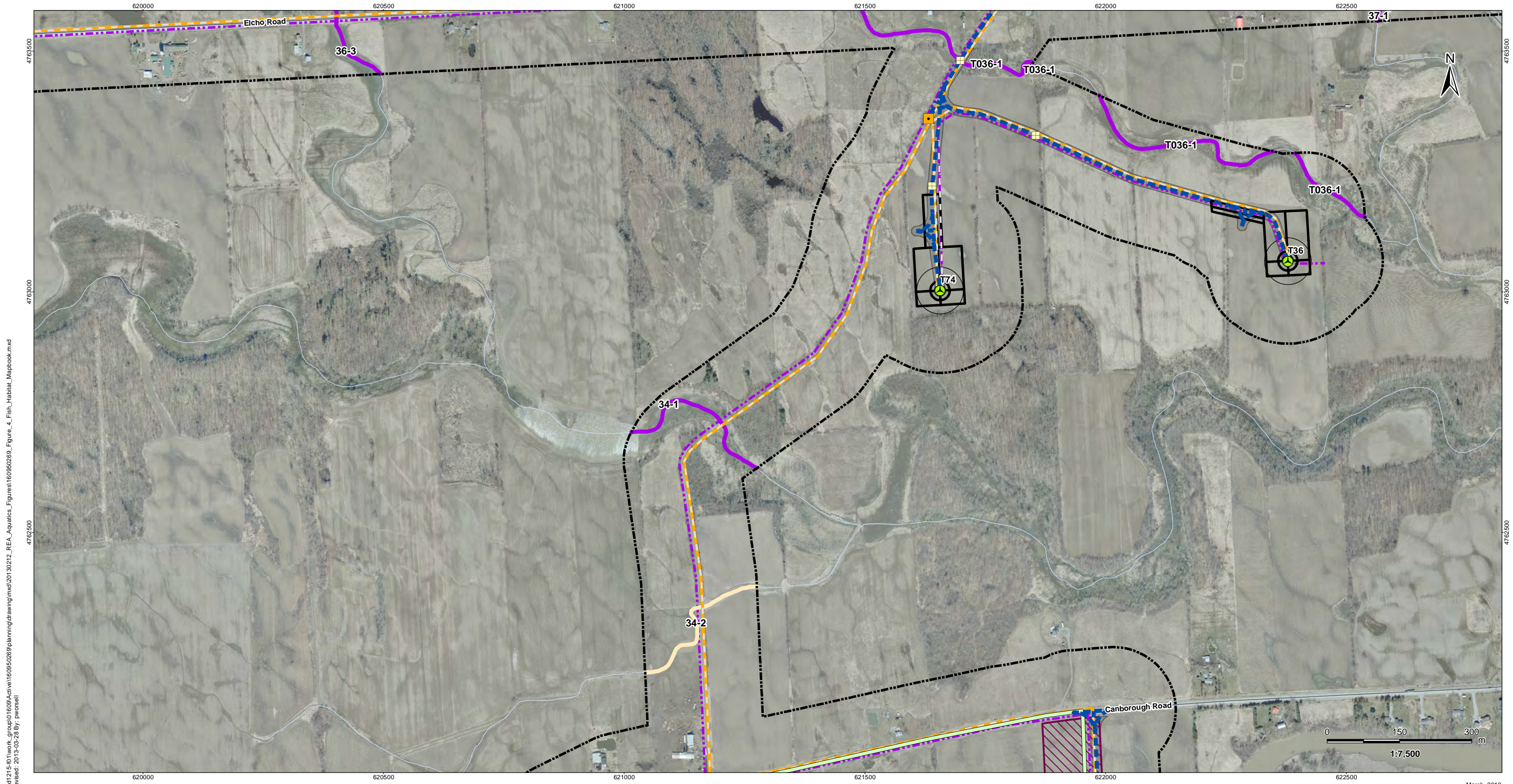
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Figure No.
4.37

Title
**Fish Habitat
 Figure 4.37**



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 Revised: 2013-05-28 By: pworsell

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160950269

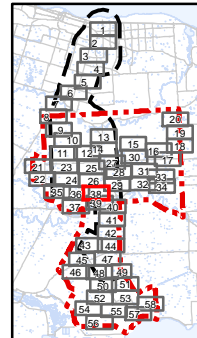


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|----------------------------|---------------------------------|---|
| Project Study Area | Tap-in Location | Transformer Substation |
| Interconnector Study Area | Transformer Substation Location | Potential Construction Laydown Area |
| 120m Zone of Investigation | Junction Box | Collector Lines – Underground or Overhead |
| Watercourse (MNR) | Proposed Culvert | Fibre Optic Line |
| Fish Habitat | Preferred Transmission Route | Potential Access Road |
| Non-Fish Habitat | Alternate Transmission Route | Access Road 20m Construction Area |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length | | |

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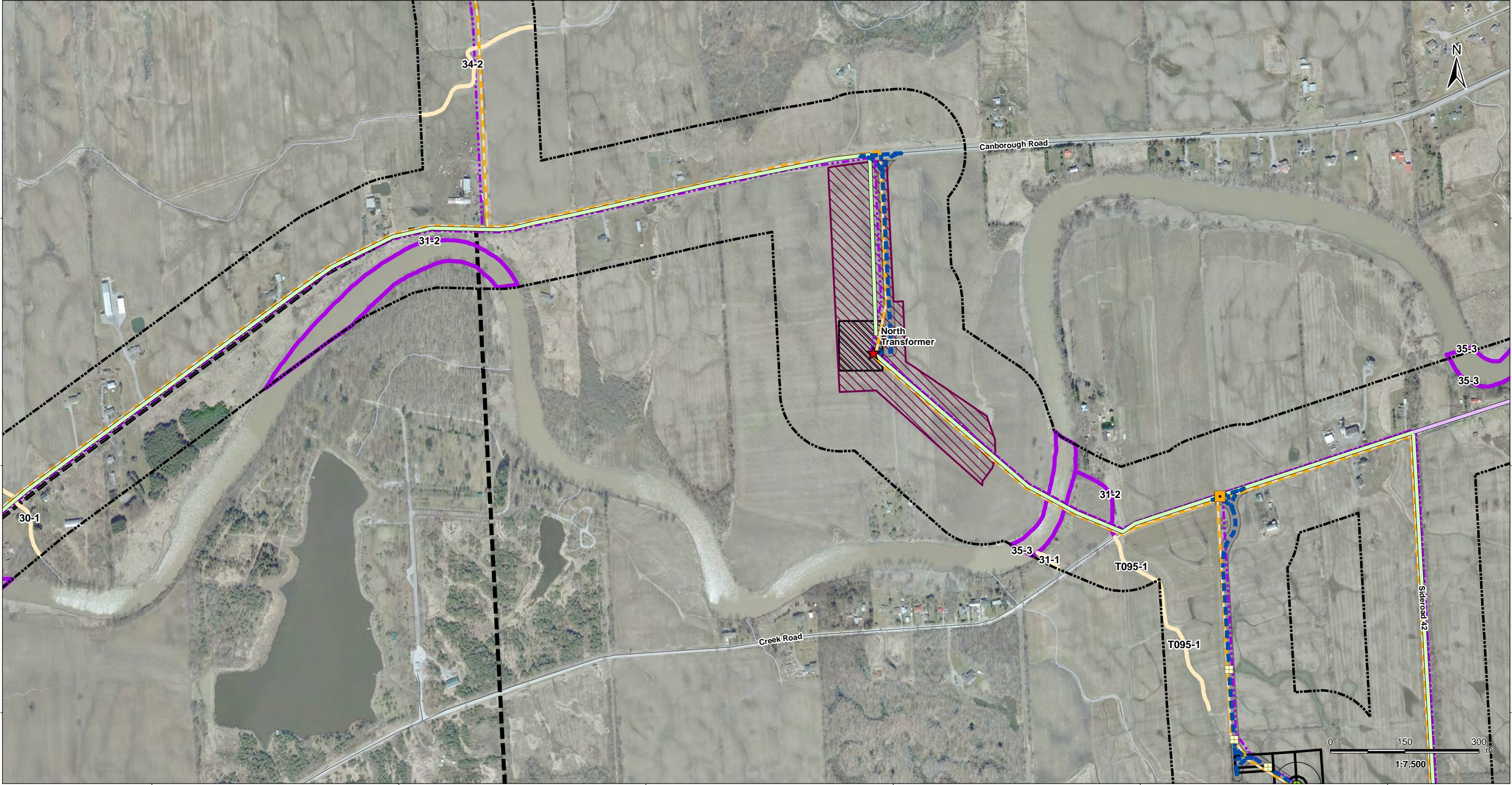
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Figure No.
4.38

Title
**Fish Habitat
 Figure 4.38**



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 Revised: 2013-05-28 By: pworsell

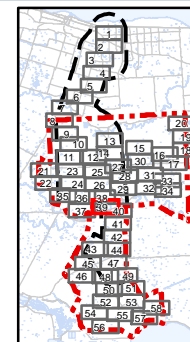


Legend

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|----------------------------|---------------------------------|---|
| Project Study Area | Tap-in Location | Transformer Substation |
| Interconnector Study Area | Transformer Substation Location | Potential Construction Laydown Area |
| 120m Zone of Investigation | Junction Box | Collector Lines – Underground or Overhead |
| Watercourse (MNR) | Proposed Culvert | Fibre Optic Line |
| Fish Habitat | Preferred Transmission Route | Potential Access Road |
| Non-Fish Habitat | Alternate Transmission Route | Access Road 20m Construction Area |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length | | |

Notes

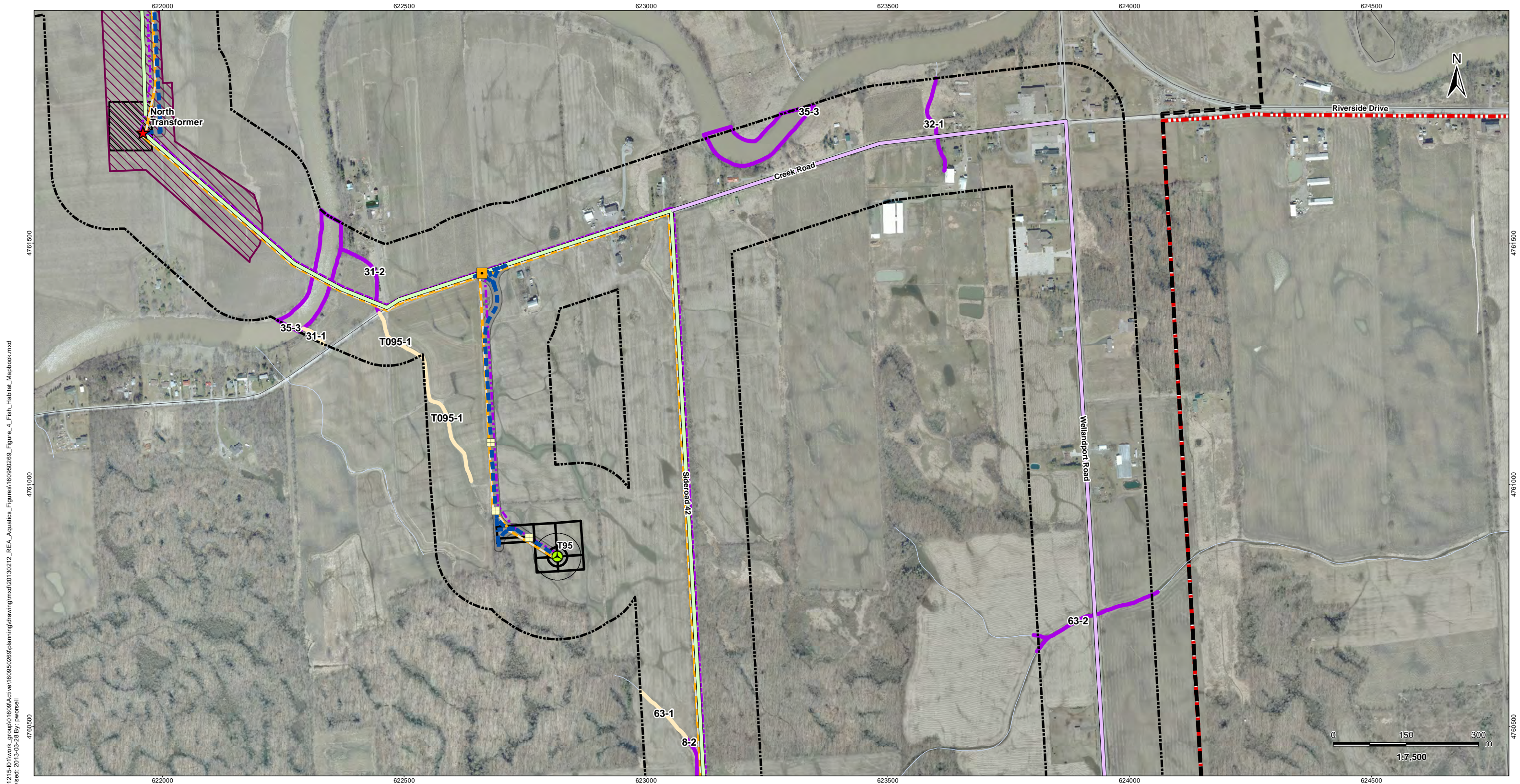
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Figure No.
4.39

Title
**Fish Habitat
 Figure 4.39**



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 Revised: 2013-05-28 By: p.worsell

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160950269

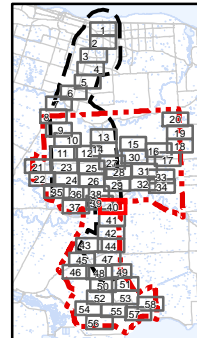


Legend

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|----------------------------|---------------------------------|---|
| Project Study Area | Tap-in Location | Transformer Substation |
| Interconnector Study Area | Transformer Substation Location | Potential Construction Laydown Area |
| 120m Zone of Investigation | Junction Box | Collector Lines – Underground or Overhead |
| Watercourse (MNR) | Proposed Culvert | Fibre Optic Line |
| Fish Habitat | Preferred Transmission Route | Potential Access Road |
| Non-Fish Habitat | Alternate Transmission Route | Access Road 20m Construction Area |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length | | |

Notes

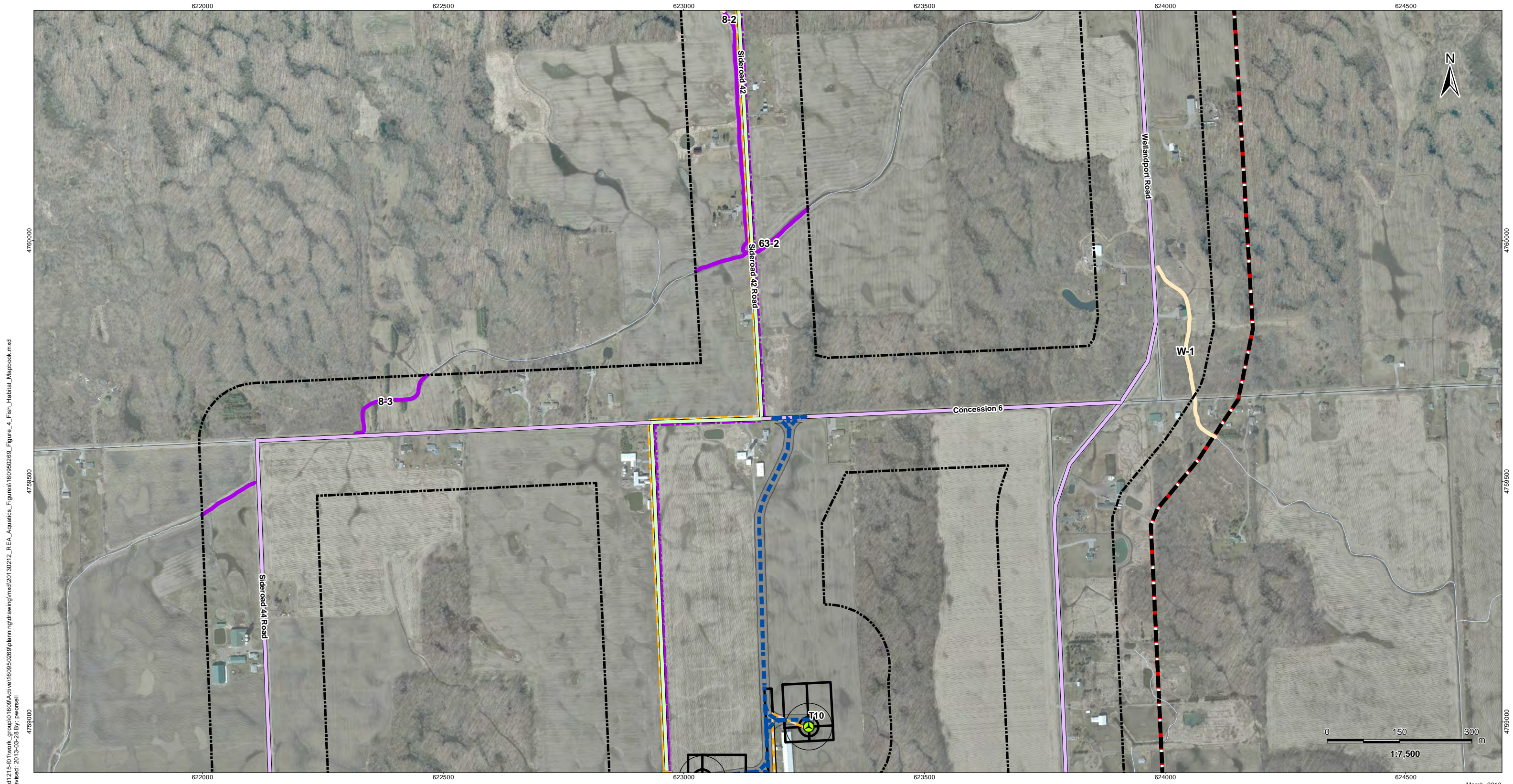
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Figure No.
4.40

Title
**Fish Habitat
 Figure 4.40**



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 Revised: 2013-05-28 By: p.worsell

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160950269

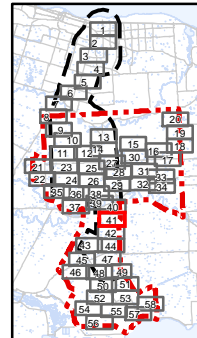


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|----------------------------|---------------------------------|---|
| Project Study Area | Tap-in Location | Transformer Substation |
| Interconnector Study Area | Transformer Substation Location | Potential Construction Laydown Area |
| 120m Zone of Investigation | Junction Box | Collector Lines – Underground or Overhead |
| Watercourse (MNR) | Proposed Culvert | Fibre Optic Line |
| Fish Habitat | Preferred Transmission Route | Potential Access Road |
| Non-Fish Habitat | Alternate Transmission Route | Access Road 20m Construction Area |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length | | |

Notes

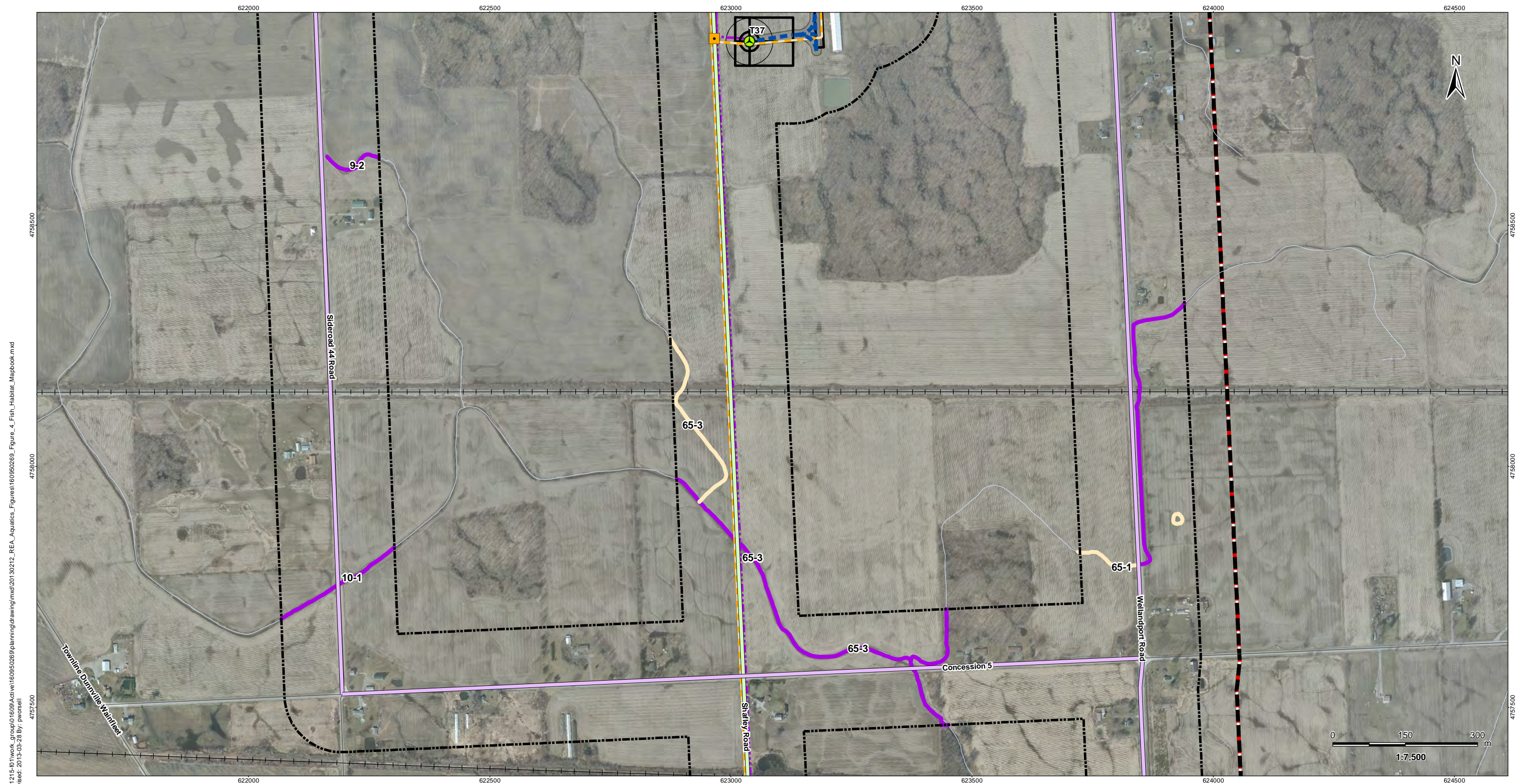
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Figure No.
4.41

Title
**Fish Habitat
 Figure 4.41**



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160950269

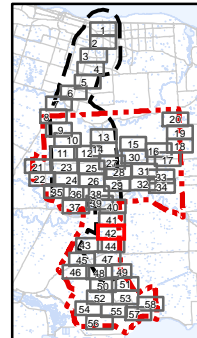


Legend

- | | | |
|----------------------------|---------------------------------|---|
| Project Study Area | Tap-in Location | Transformer Substation |
| Interconnector Study Area | Transformer Substation Location | Potential Construction Laydown Area |
| 120m Zone of Investigation | Junction Box | Collector Lines – Underground or Overhead |
| Watercourse (MNR) | Proposed Culvert | Fibre Optic Line |
| Fish Habitat | Preferred Transmission Route | Potential Access Road |
| Non-Fish Habitat | Alternate Transmission Route | Access Road 20m Construction Area |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length | | |

Notes

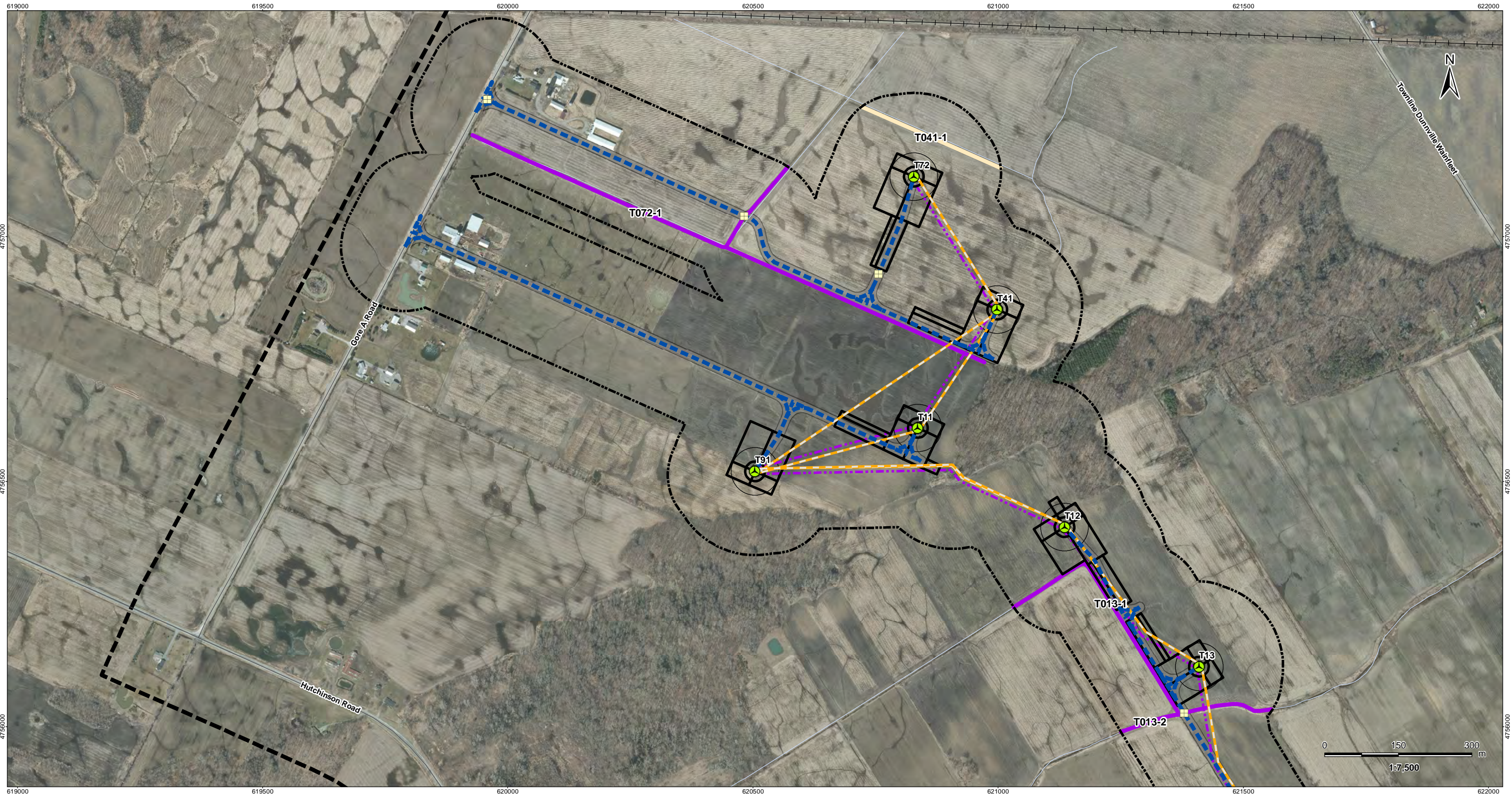
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Figure No.
4.42

Title
**Fish Habitat
 Figure 4.42**

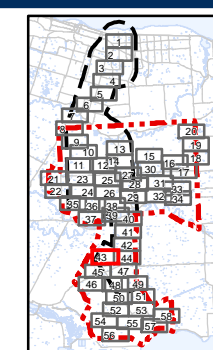


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 Revised: 2013-05-28 By: pworsell



Legend	
	Project Study Area
	Interconnector Study Area
	120m Zone of Investigation
	Watercourse (MNR)
	Fish Habitat
	Non-Fish Habitat
	Proposed Turbine Location
	Turbine Blade Length
	Tap-in Location
	Transformer Substation Location
	Junction Box
	Proposed Culvert
	Preferred Transmission Route
	Alternate Transmission Route
	Temporary Laydown Area
	Transformer Substation
	Potential Construction Laydown Area
	Collector Lines – Underground or Overhead
	Fibre Optic Line
	Potential Access Road
	Access Road 20m Construction Area

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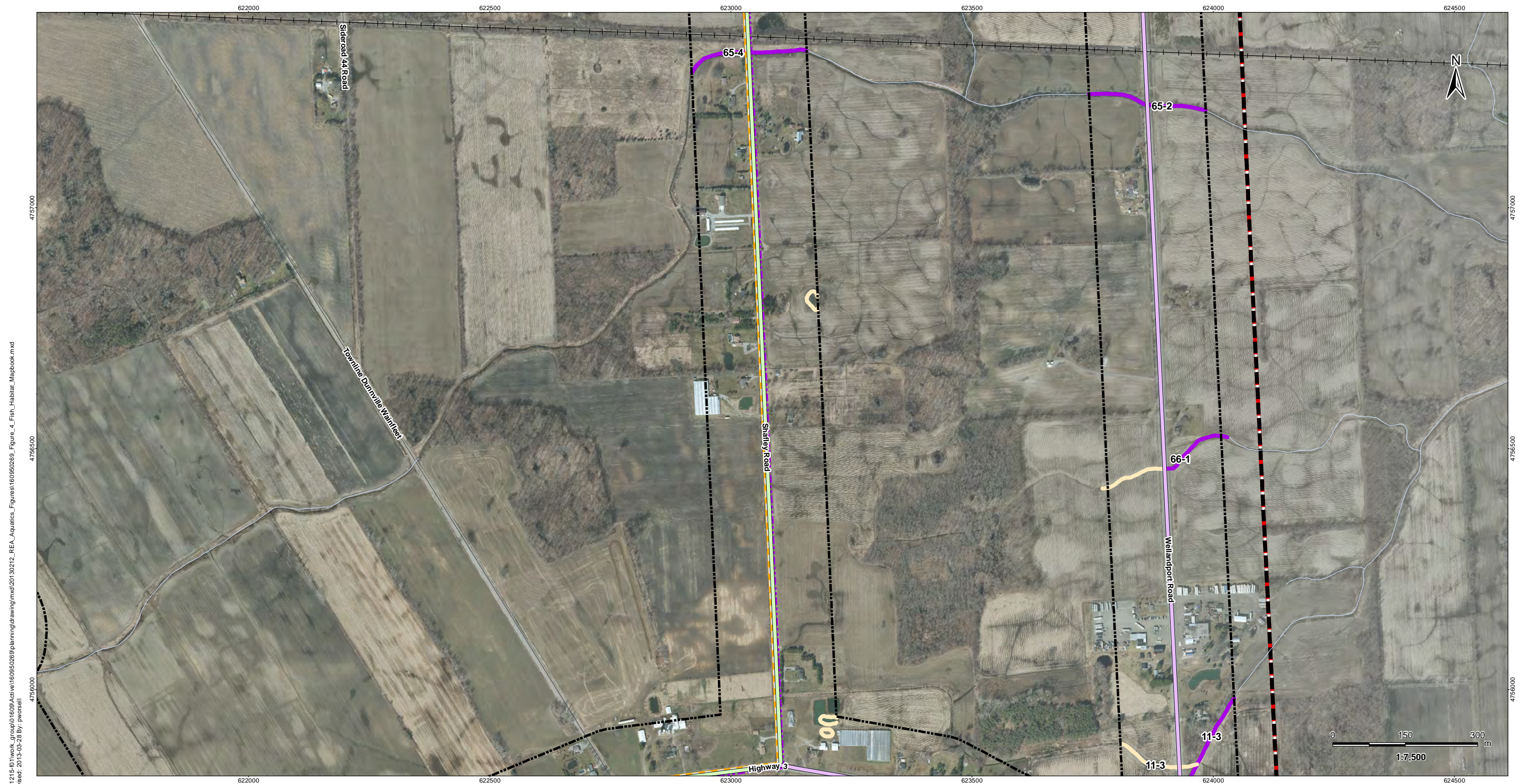


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Figure No.
4.43

Title
**Fish Habitat
 Figure 4.43**

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160950269

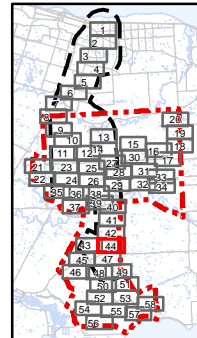


Legend

- | | | |
|----------------------------|---------------------------------|---|
| Project Study Area | Tap-in Location | Transformer Substation |
| Interconnector Study Area | Transformer Substation Location | Potential Construction Laydown Area |
| 120m Zone of Investigation | Junction Box | Collector Lines – Underground or Overhead |
| Watercourse (MNR) | Proposed Culvert | Fibre Optic Line |
| Fish Habitat | Preferred Transmission Route | Potential Access Road |
| Non-Fish Habitat | Alternate Transmission Route | Access Road 20m Construction Area |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length | | |

Notes

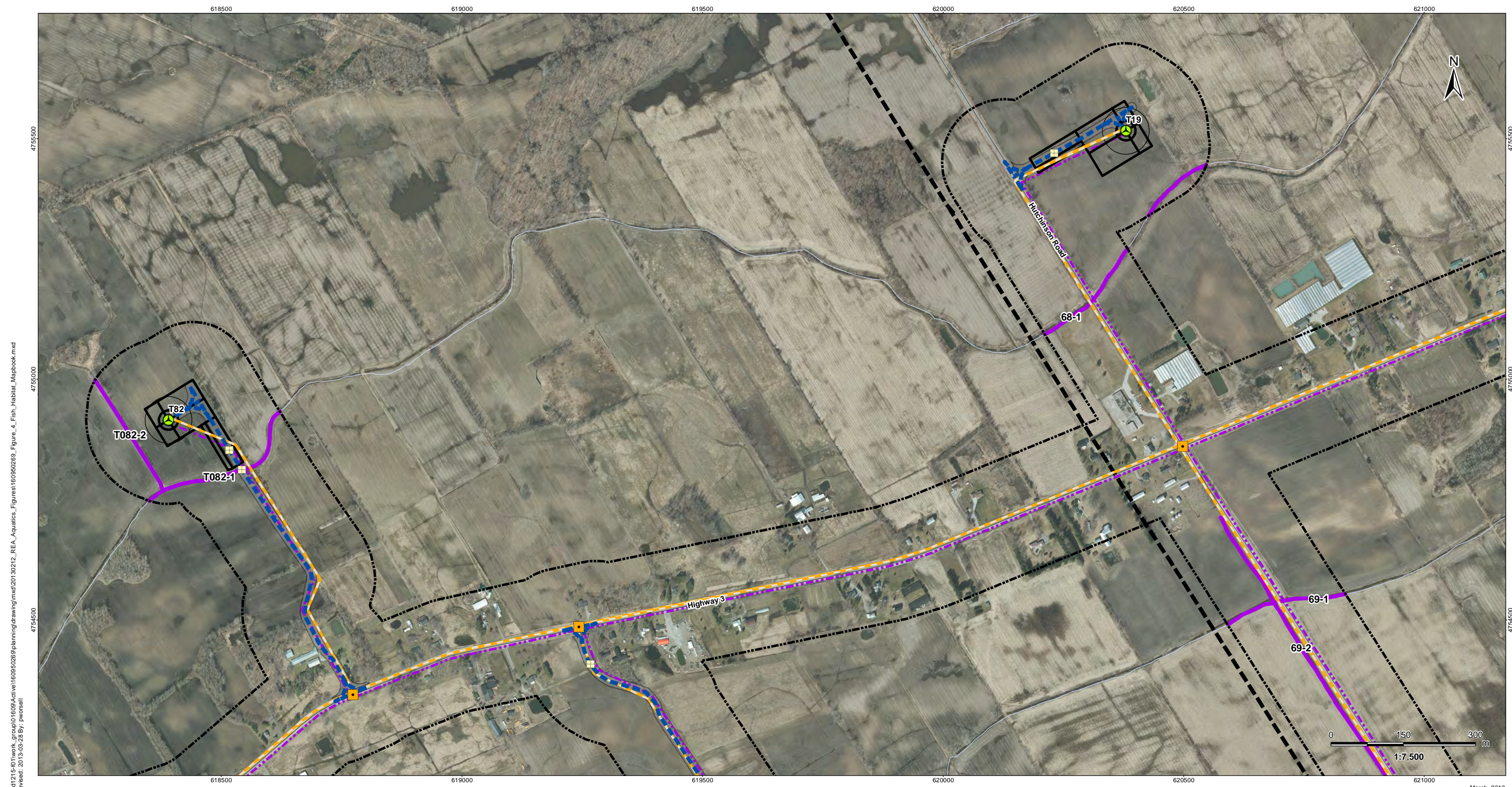
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Figure No.
4.44

Title
**Fish Habitat
 Figure 4.44**



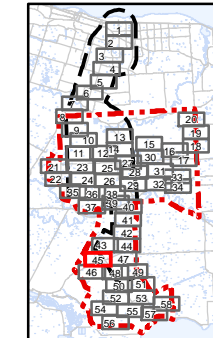
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 Revised: 2013-05-28 By: pworsell

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160950269



Legend					
	Project Study Area		Tap-in Location		Transformer Substation
	Interconnector Study Area		Transformer Substation Location		Potential Construction Laydown Area
	120m Zone of Investigation		Junction Box		Collector Lines – Underground or Overhead
	Watercourse (MNR)		Proposed Culvert		Fibre Optic Line
	Fish Habitat		Preferred Transmission Route		Potential Access Road
	Non-Fish Habitat		Alternate Transmission Route		Access Road 20m Construction Area
	Proposed Turbine Location		Temporary Laydown Area		
	Turbine Blade Length				

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Figure No.
4.45

Title
**Fish Habitat
 Figure 4.45**



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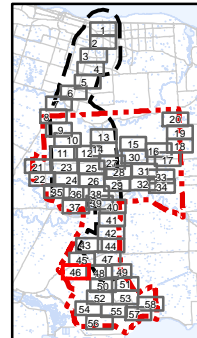


Legend

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| Project Study Area | Tap-in Location | Transformer Substation |
| Interconnector Study Area | Transformer Substation Location | Potential Construction Laydown Area |
| 120m Zone of Investigation | Junction Box | Collector Lines – Underground or Overhead |
| Watercourse (MNR) | Proposed Culvert | Fibre Optic Line |
| Fish Habitat | Preferred Transmission Route | Potential Access Road |
| Non-Fish Habitat | Alternate Transmission Route | Access Road 20m Construction Area |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length | | |

Notes

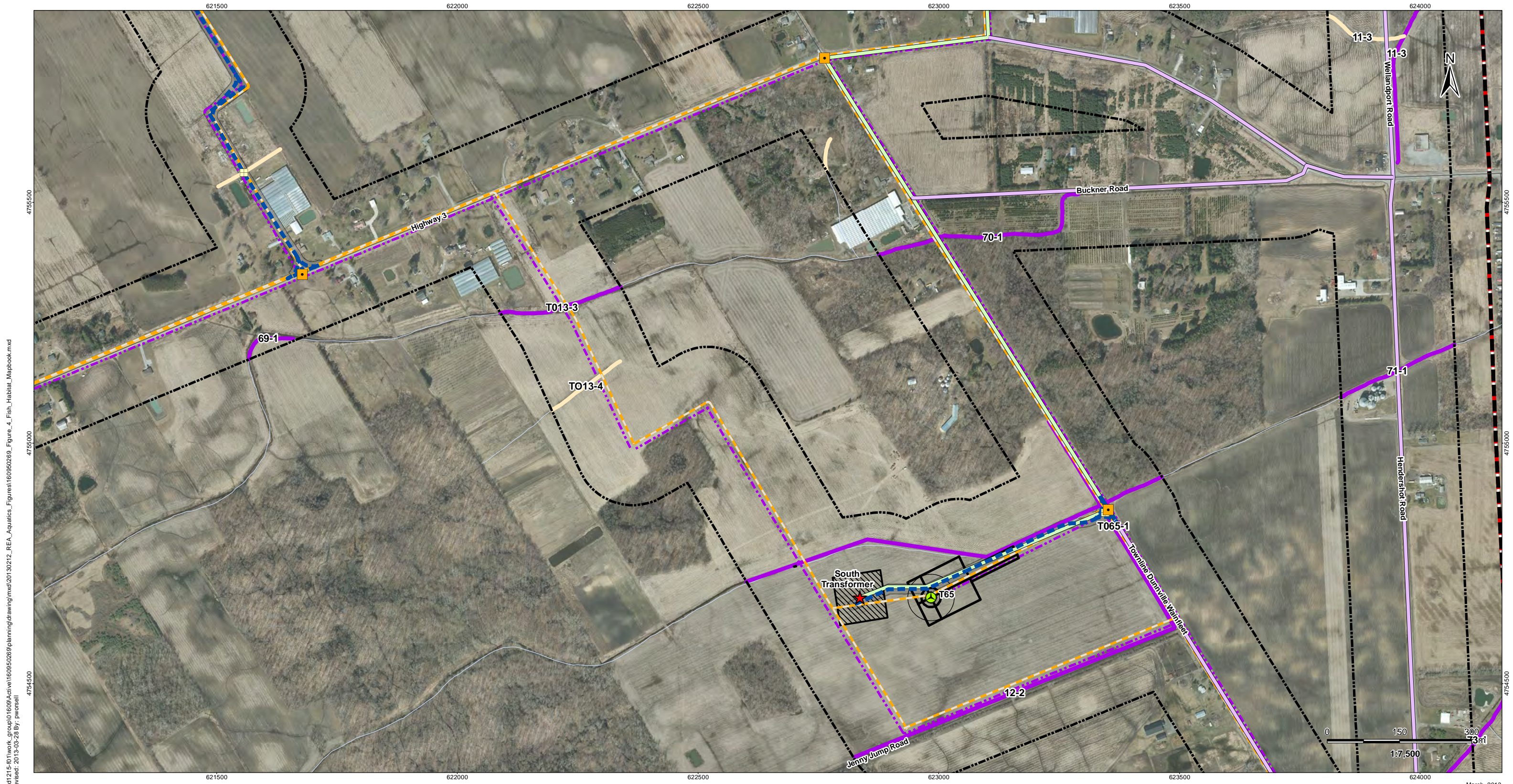
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 Water Assessment and Waterbody Report

Figure No.
4.46

Title
**Fish Habitat
 Figure 4.46**



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 Revised: 2013-05-28 By: pworsell

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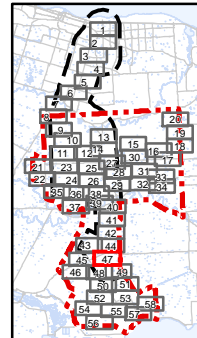


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| Project Study Area | Tap-in Location | Transformer Substation |
| Interconnector Study Area | Transformer Substation Location | Potential Construction Laydown Area |
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| Non-Fish Habitat | Alternate Transmission Route | Access Road 20m Construction Area |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length | | |

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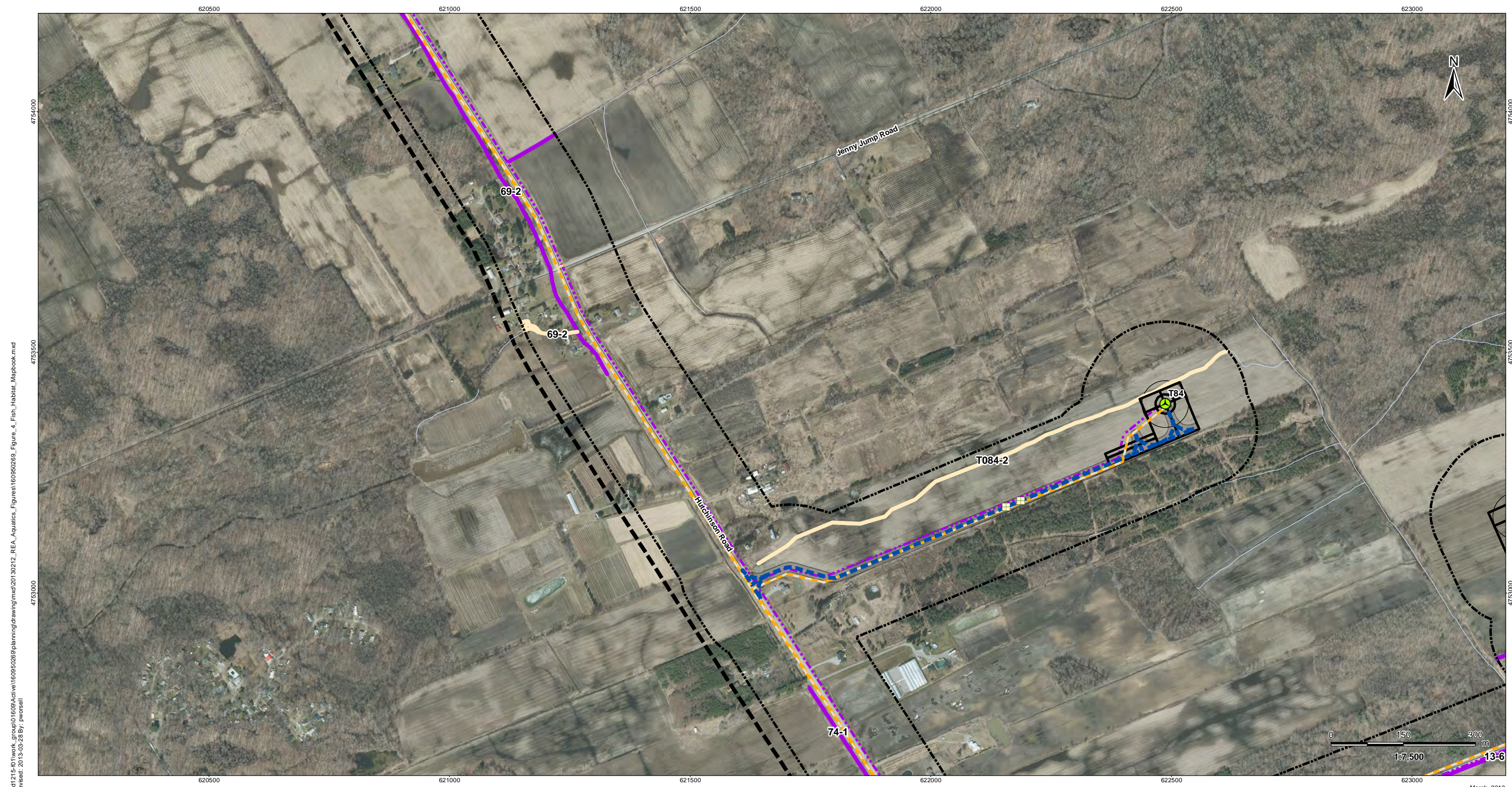
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Figure No.
4.47

Title
**Fish Habitat
 Figure 4.47**



\\cd1215-101\work_group\01609\active\160950269\planning\drawing\mxd\20130212_REA_Aquatics_Figure\160950269_Figure_4_Fish_Habitat_Mapbook.mxd
 Revised: 2013-05-28 By: pworsell

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160950269

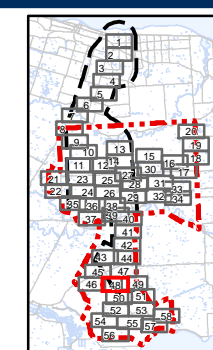


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| Project Study Area | Tap-in Location | Transformer Substation |
| Interconnector Study Area | Transformer Substation Location | Potential Construction Laydown Area |
| 120m Zone of Investigation | Junction Box | Collector Lines – Underground or Overhead |
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| Non-Fish Habitat | Alternate Transmission Route | Access Road 20m Construction Area |
| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length | | |

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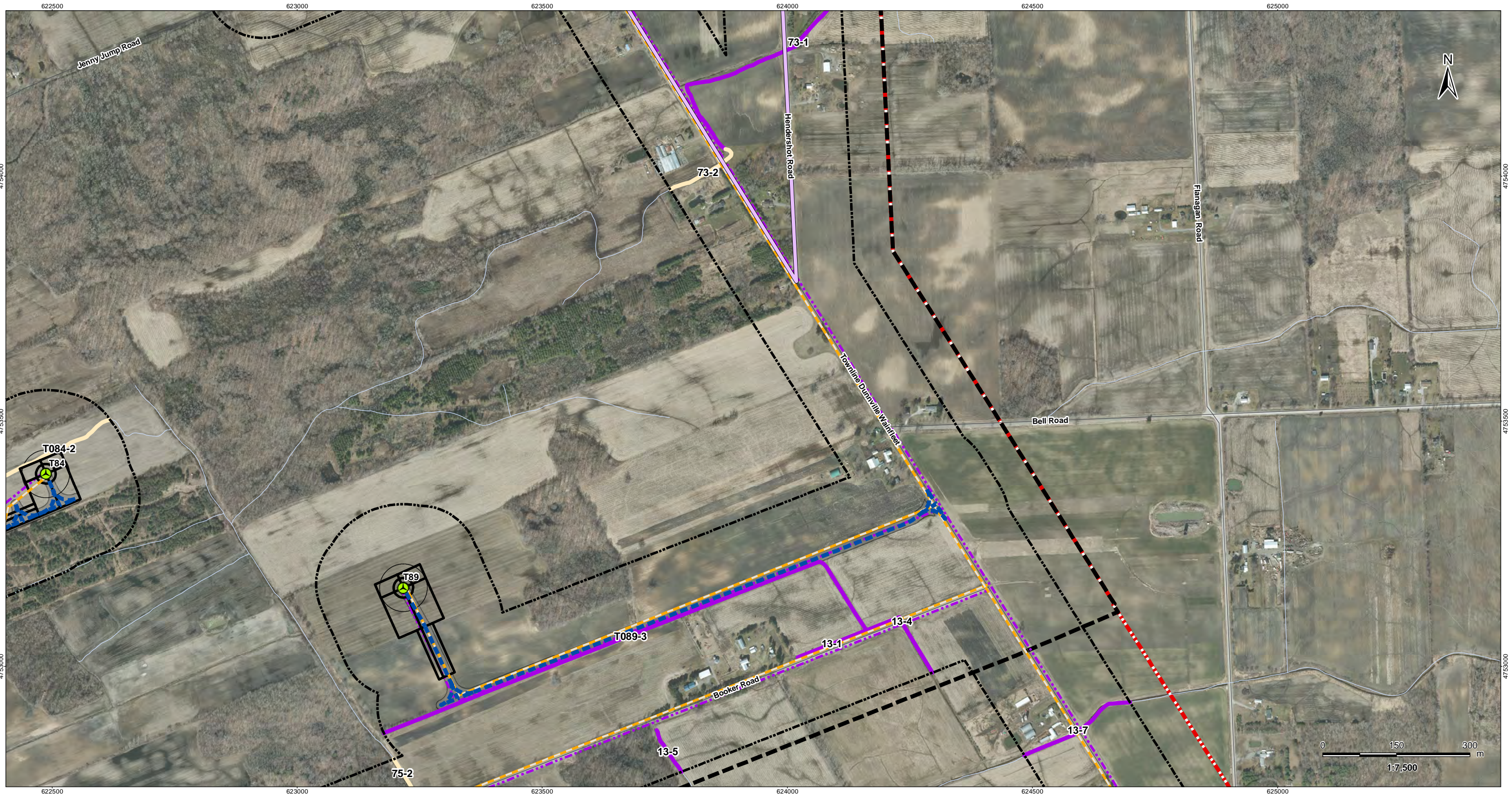
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Figure No.
4.48

Title
**Fish Habitat
 Figure 4.48**



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 Revised: 2013-05-28 By: pworsell

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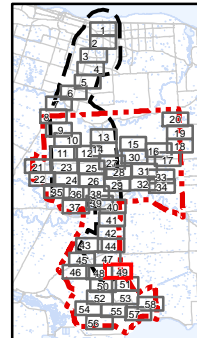


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| Interconnector Study Area | Transformer Substation Location | Potential Construction Laydown Area |
| 120m Zone of Investigation | Junction Box | Collector Lines – Underground or Overhead |
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| Turbine Blade Length | | |

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Figure No.
4.49

Title
**Fish Habitat
 Figure 4.49**



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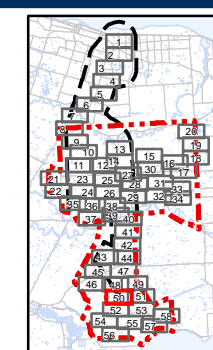


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| Project Study Area | Tap-in Location | Transformer Substation |
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| 120m Zone of Investigation | Junction Box | Collector Lines – Underground or Overhead |
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Figure No.
4.50

Title
**Fish Habitat
 Figure 4.50**



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 Revised: 2013-05-28 By: pworsell

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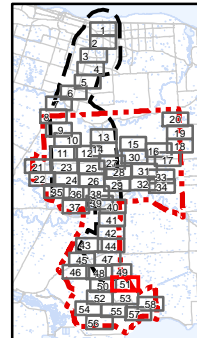


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| Project Study Area | Tap-in Location | Transformer Substation |
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| Proposed Turbine Location | Temporary Laydown Area | |
| Turbine Blade Length | | |

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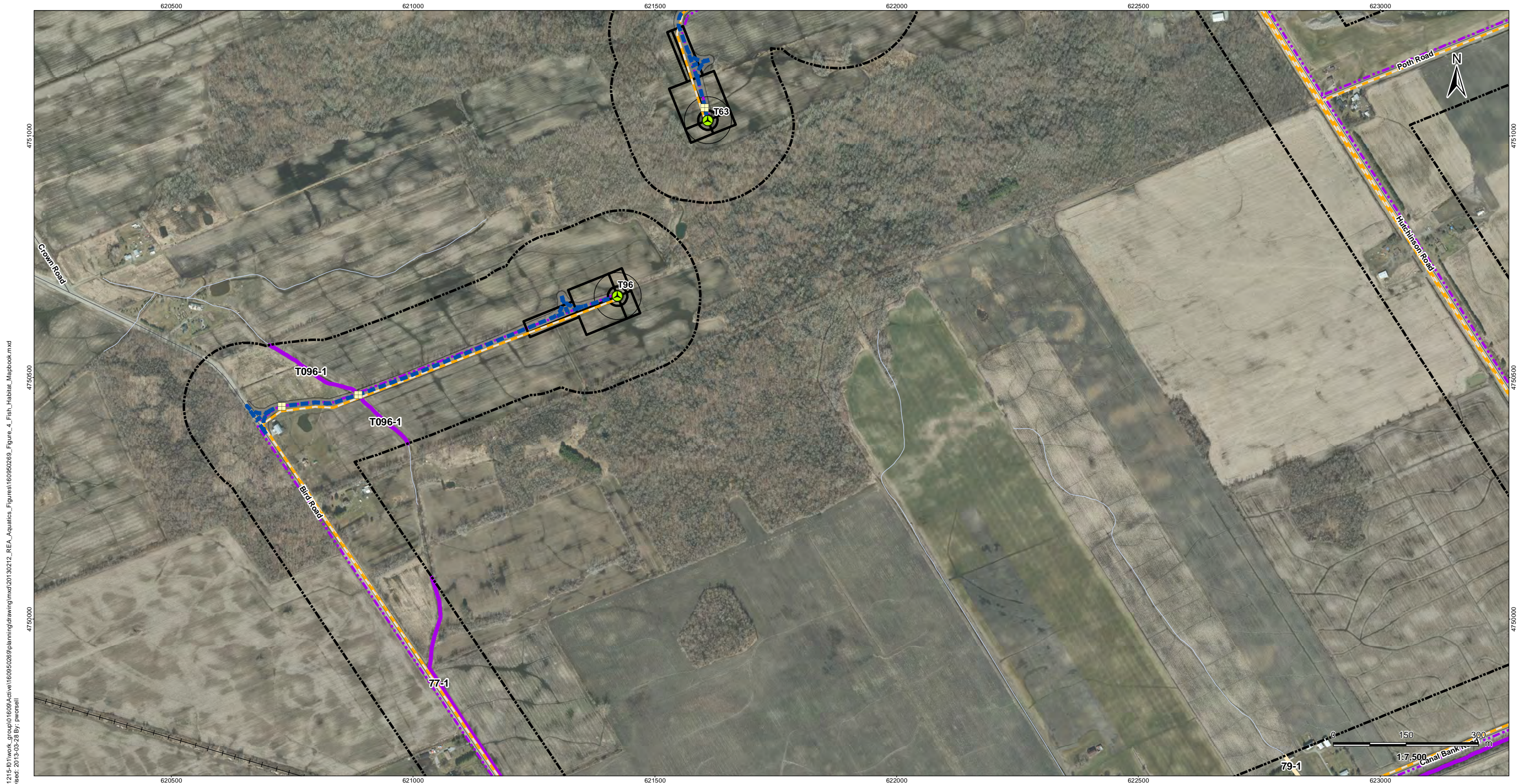
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Figure No.
4.51

Title
**Fish Habitat
 Figure 4.51**



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 Revised: 2013-05-28 By: pworsell

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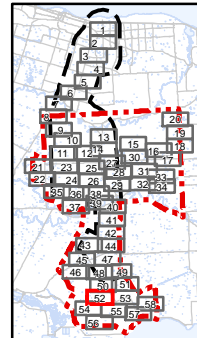


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Figure No.
4.52

Title
**Fish Habitat
 Figure 4.52**



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 Revised: 2013-05-28 By: pworsell

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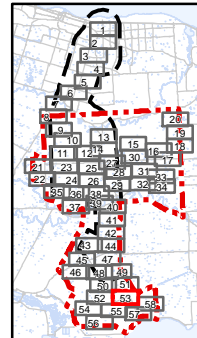


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| Project Study Area | Tap-in Location | Transformer Substation |
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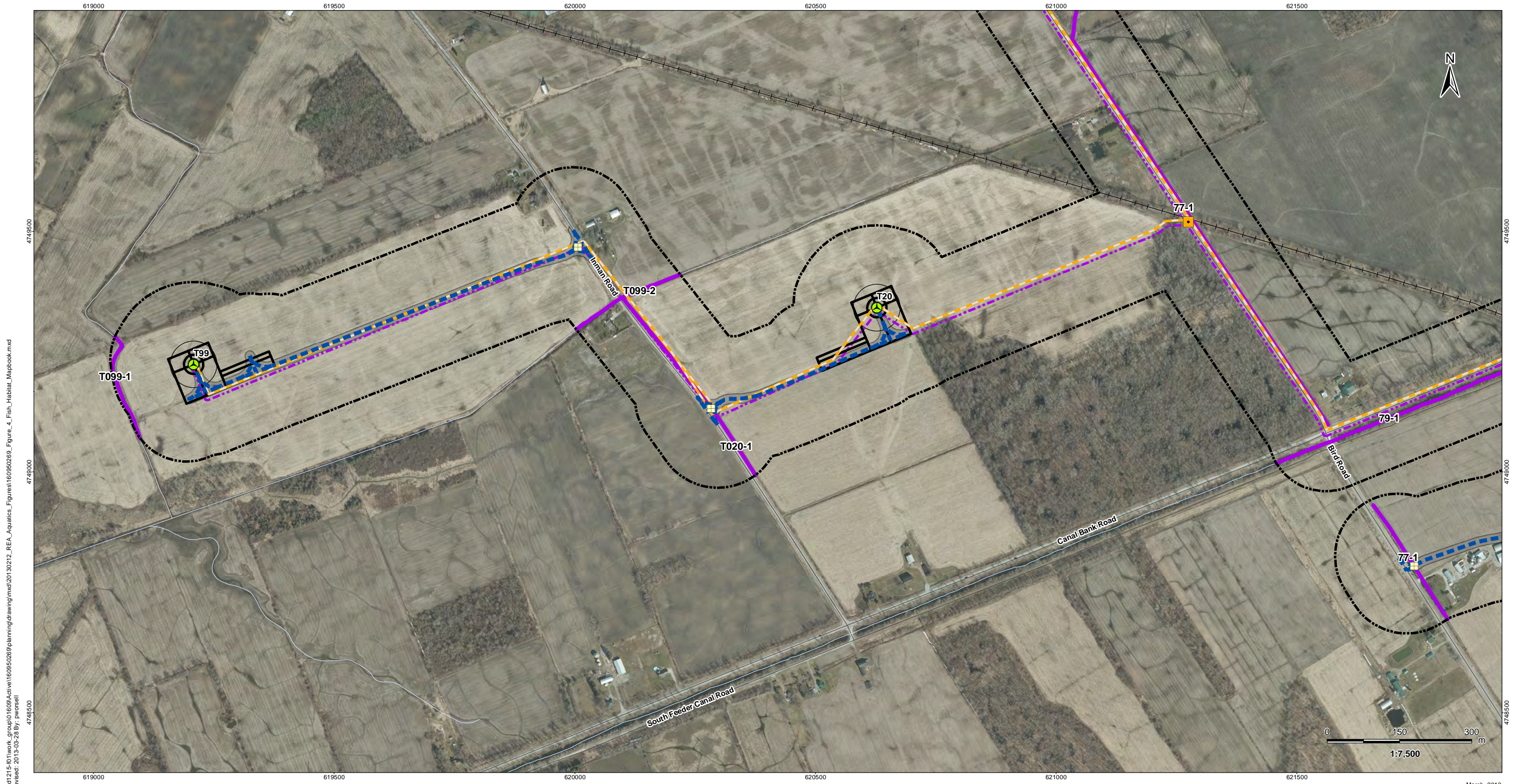
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Figure No.
4.53

Title
**Fish Habitat
 Figure 4.53**



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 Revised: 2013-05-28 By: p.worsell

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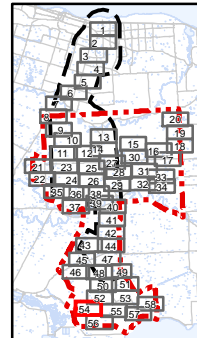


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| Project Study Area | Tap-in Location | Transformer Substation |
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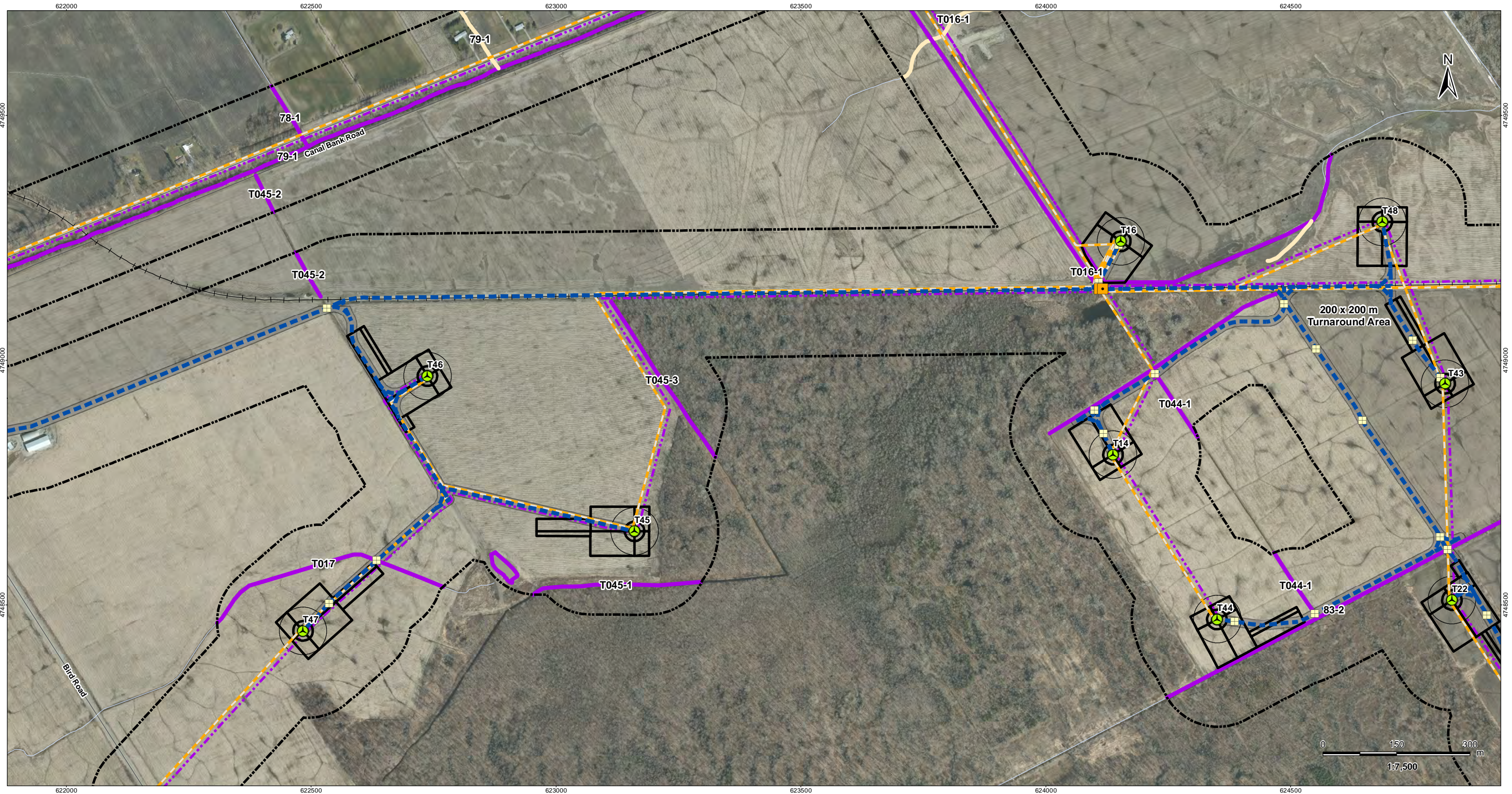
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Figure No.
4.54

Title
**Fish Habitat
 Figure 4.54**



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 Revised: 2013-05-28 By: pworsell

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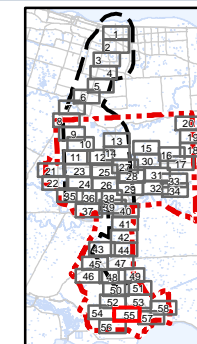


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| Project Study Area | Tap-in Location | Transformer Substation |
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Notes

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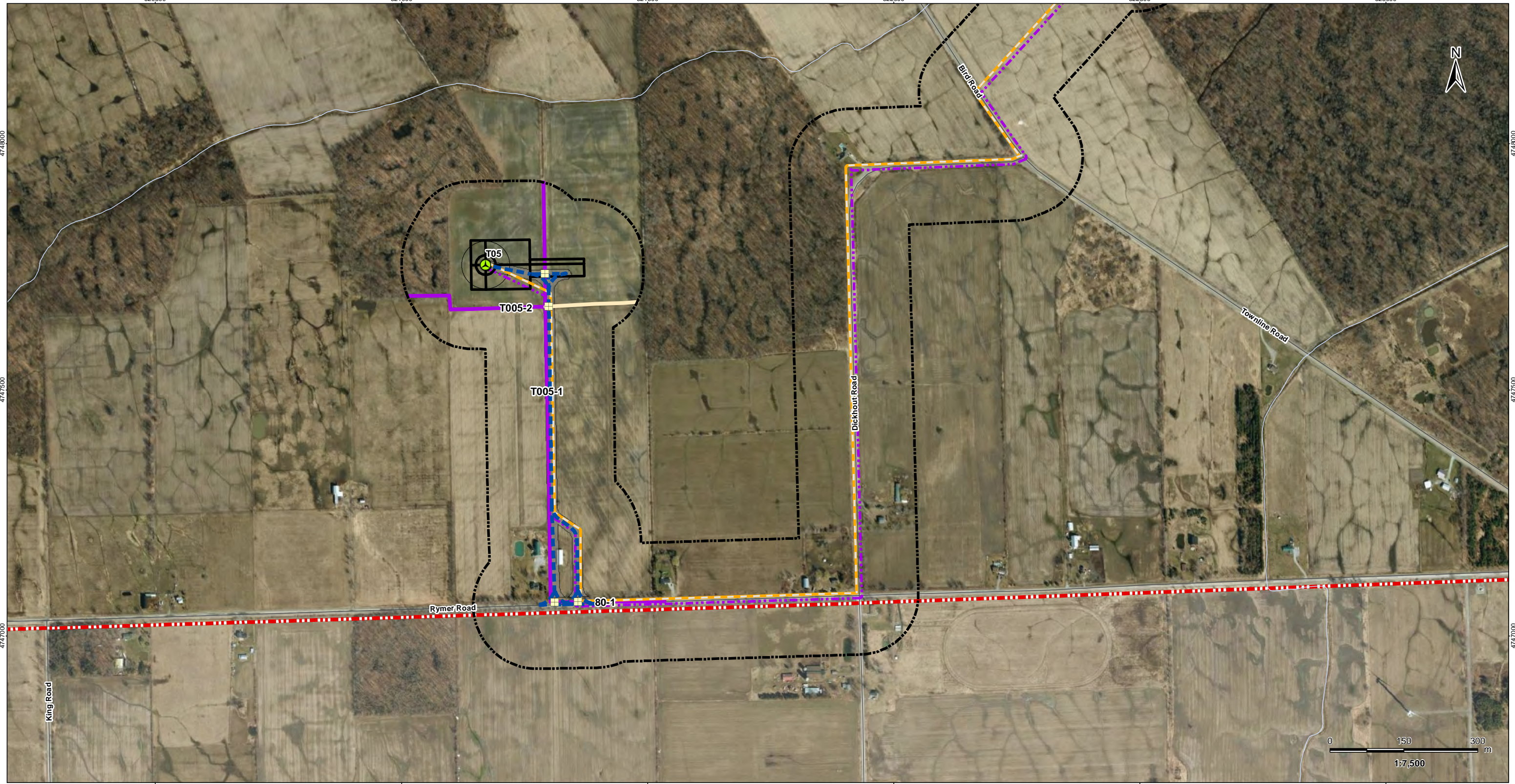
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 Water Assessment and Waterbody Report

Figure No.
 4.55

Title
**Fish Habitat
 Figure 4.55**



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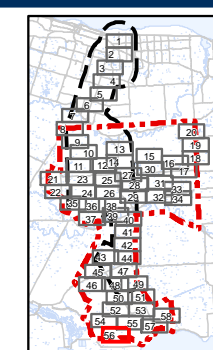


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Figure No.
4.56

Title
Fish Habitat
Figure 4.56



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 Revised: 2013-03-28 By: pworsell

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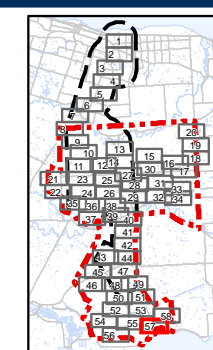


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| Project Study Area | Tap-in Location | Transformer Substation |
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| Turbine Blade Length | | |

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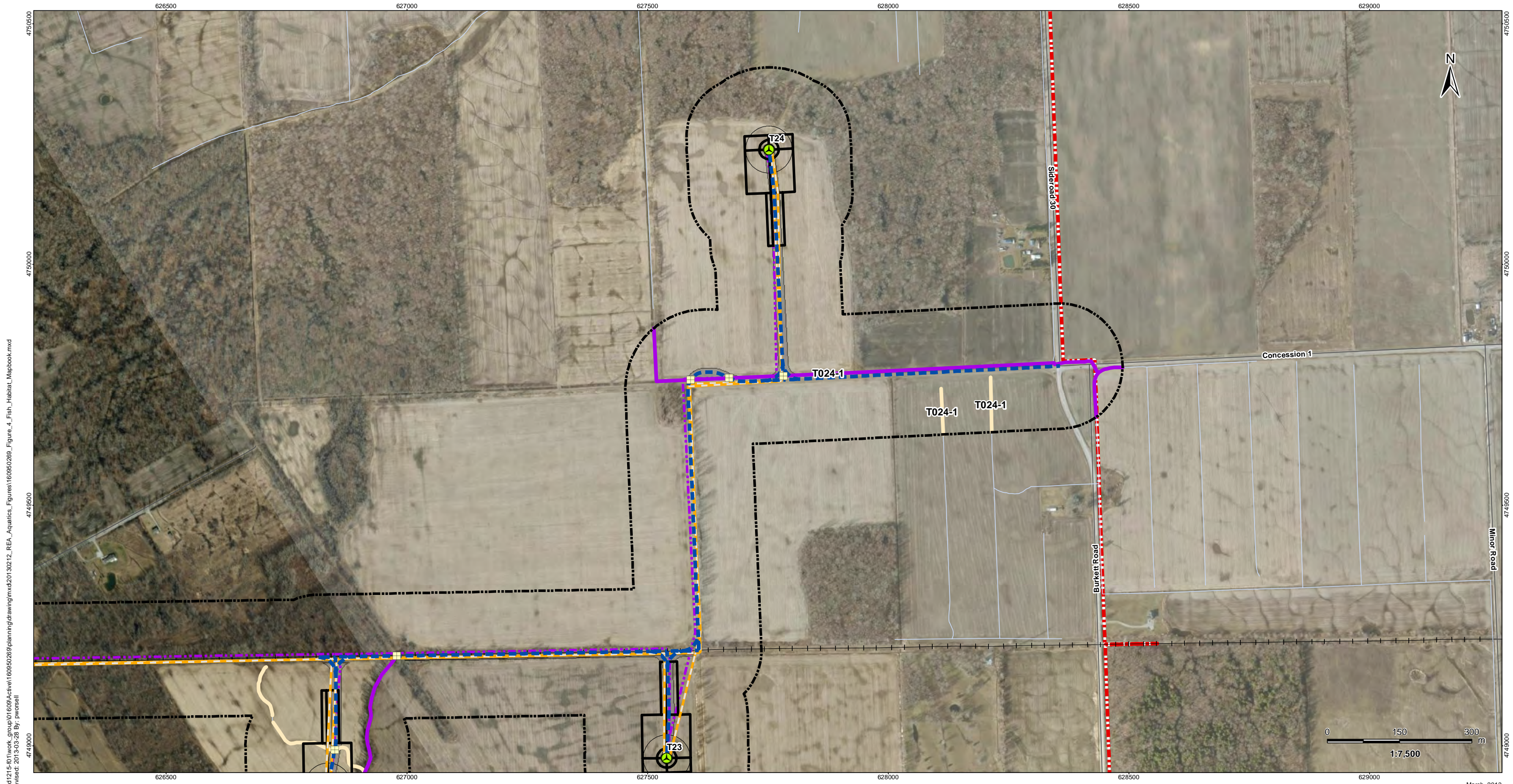
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Figure No.
4.57

Title
**Fish Habitat
 Figure 4.57**



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 Revised: 2013-03-28 By: pworsell

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160950269

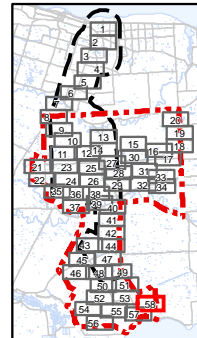


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| Project Study Area | Tap-in Location | Transformer Substation |
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Figure No.
4.58

Title
**Fish Habitat
 Figure 4.58**