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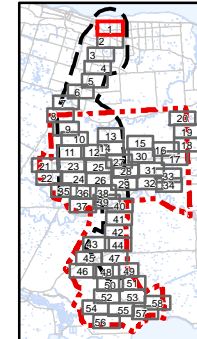


Legend

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|-----------------------------------|---|---|--|
| Project Study Area | Collector Lines – Underground or Overhead | Other Rare Vegetation Community | Turtle Nesting Habitat/Snapping Turtle Habitat |
| Interconnector Study Area | Fibre Optic Line | Woodland Amphibian Breeding Habitat | Turtle Habitat 30m Buffer |
| 120m Zone of Investigation | Potential Access Road | Wetland Amphibian Breeding Habitat | Turtle Wintering Area |
| Proposed Turbine Location | Access Road 20m Construction Area | Woodland Communities | Generalized Habitat |
| Turbine Blade Length | Potential Construction Laydown Area | ANSI, Earth Science, Provincially Significant | Snake Hibernacula |
| Tap-in Location | Transformer Substation | ANSI, Life Science, Provincially Significant | Generalized Wildlife Habitat |
| Junction Box | Significant Wildlife Habitat | ANSI, Life Science, Regionally Significant | Deer Congregation Areas (MNR) (Generalized) |
| Proposed Culvert | Snake Hibernacula | Niagara Escarpment Protection Area | Bat Maternity Colonies |
| Preferred Transmission Line Route | Snake Hibernacula 30m Buffer | Greenbelt Natural Heritage System | |
| Alternate Transmission Route | Landbird Migratory Stopover | | |
| Temporary Laydown Area | Raptor Wintering Areas | | |
| | Wetland Communities | | |

Notes

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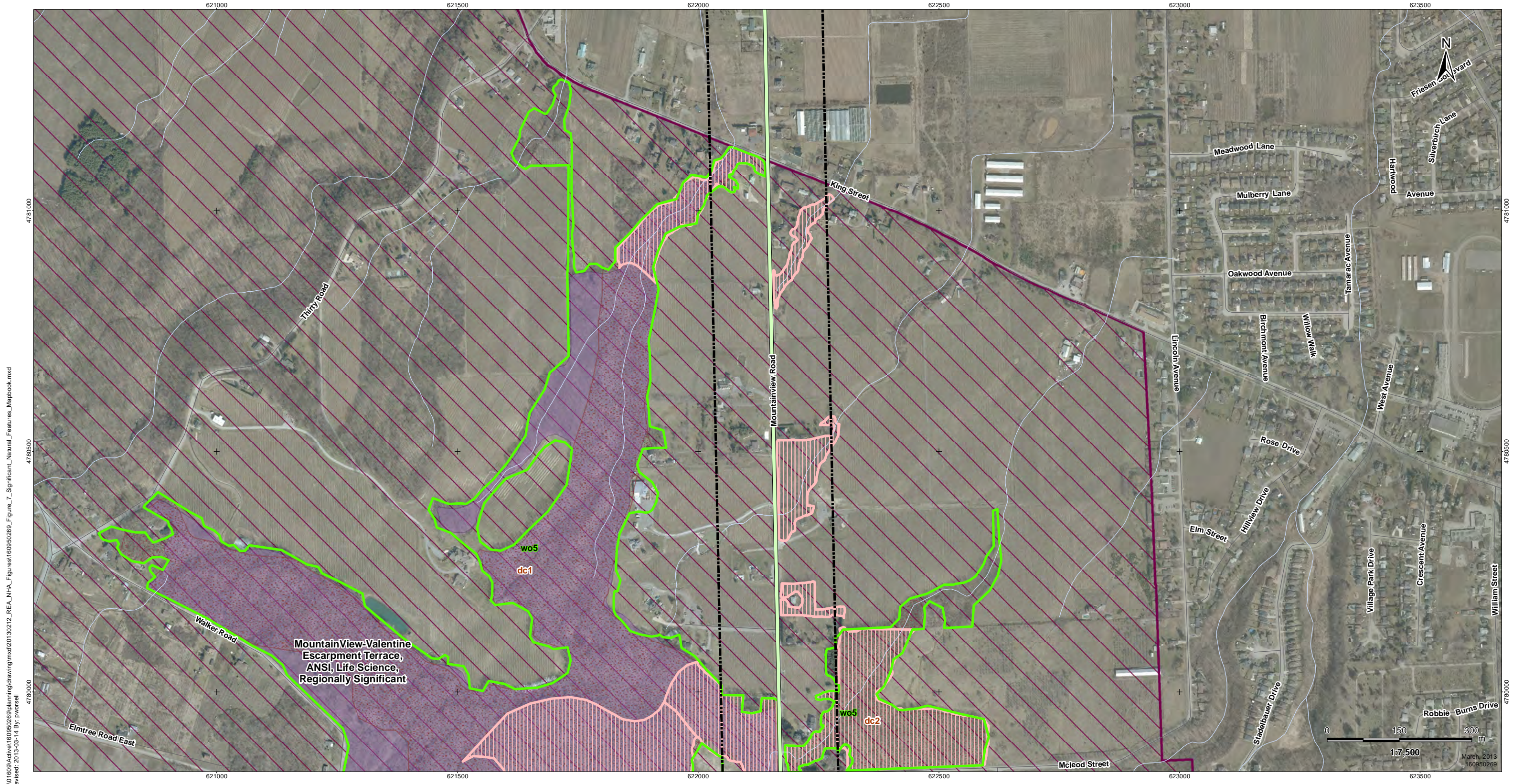


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 Natural Heritage Assessment Report

Figure No.
 7.1

Title
Significant Natural Features
Figure 7.1

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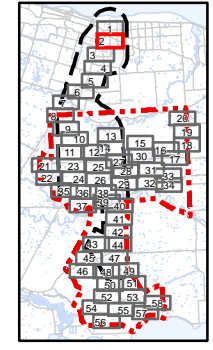


Legend

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|---|--|---|---|
| <ul style="list-style-type: none"> Project Study Area Interconnector Study Area 120m Zone of Investigation Proposed Turbine Location Turbine Blade Length Tap-in Location Junction Box Proposed Culvert Preferred Transmission Line Route Alternate Transmission Route Temporary Laydown Area | <ul style="list-style-type: none"> Collector Lines – Underground or Overhead Fibre Optic Line Potential Access Road Access Road 20m Construction Area Potential Construction Laydown Area Transformer Substation Snake Hibernacula Snake Hibernacula 30m Buffer Landbird Migratory Stopover Raptor Wintering Areas Wetland Communities | <ul style="list-style-type: none"> Other Rare Vegetation Community Woodland Amphibian Breeding Habitat Wetland Amphibian Breeding Habitat Woodland Communities ANSI, Earth Science, Provincially Significant ANSI, Life Science, Provincially Significant ANSI, Life Science, Regionally Significant Niagara Escarpment Protection Area Greenbelt Natural Heritage System | <ul style="list-style-type: none"> Turtle Nesting Habitat/Snapping Turtle Habitat Turtle Habitat 30m Buffer Turtle Wintering Area Generalized Habitat Snake Hibernacula Generalized Wildlife Habitat Deer Congregation Areas (MNR) (Generalized) Bat Maternity Colonies |
|---|--|---|---|

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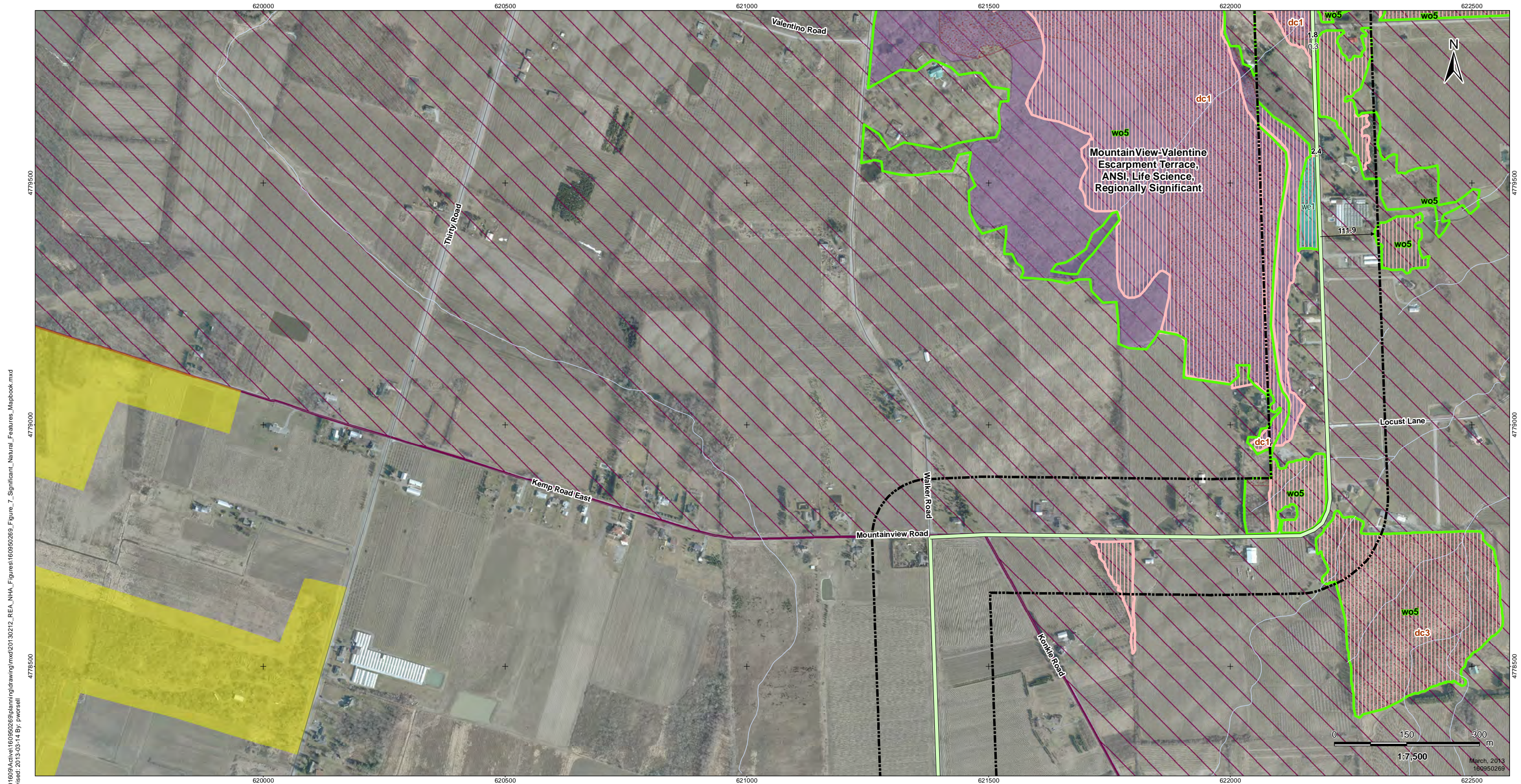


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Figure No.
 7.2

Title
Significant Natural Features
Figure 7.2

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160950269



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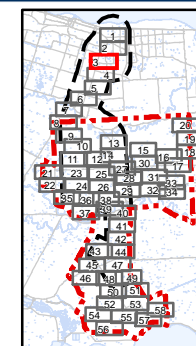


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|-----------------------------------|---|---|--|
| Project Study Area | Collector Lines – Underground or Overhead | Other Rare Vegetation Community | Turtle Nesting Habitat/Snapping Turtle Habitat |
| Interconnector Study Area | Fibre Optic Line | Woodland Amphibian Breeding Habitat | Turtle Habitat 30m Buffer |
| 120m Zone of Investigation | Potential Access Road | Wetland Amphibian Breeding Habitat | Turtle Wintering Area |
| Proposed Turbine Location | Access Road 20m Construction Area | Woodland Communities | Generalized Habitat |
| Turbine Blade Length | Potential Construction Laydown Area | ANSI, Earth Science, Provincially Significant | Snake Hibernacula |
| Tap-in Location | Transformer Substation | ANSI, Life Science, Provincially Significant | Generalized Wildlife Habitat |
| Junction Box | Significant Wildlife Habitat | ANSI, Life Science, Regionally Significant | Deer Congregation Areas (MNR) (Generalized) |
| Proposed Culvert | Snake Hibernacula 30m Buffer | Niagara Escarpment Protection Area | Bat Maternity Colonies |
| Preferred Transmission Line Route | Landbird Migratory Stopover | Greenbelt Natural Heritage System | |
| Alternate Transmission Route | Raptor Wintering Areas | | |
| Temporary Laydown Area | Wetland Communities | | |

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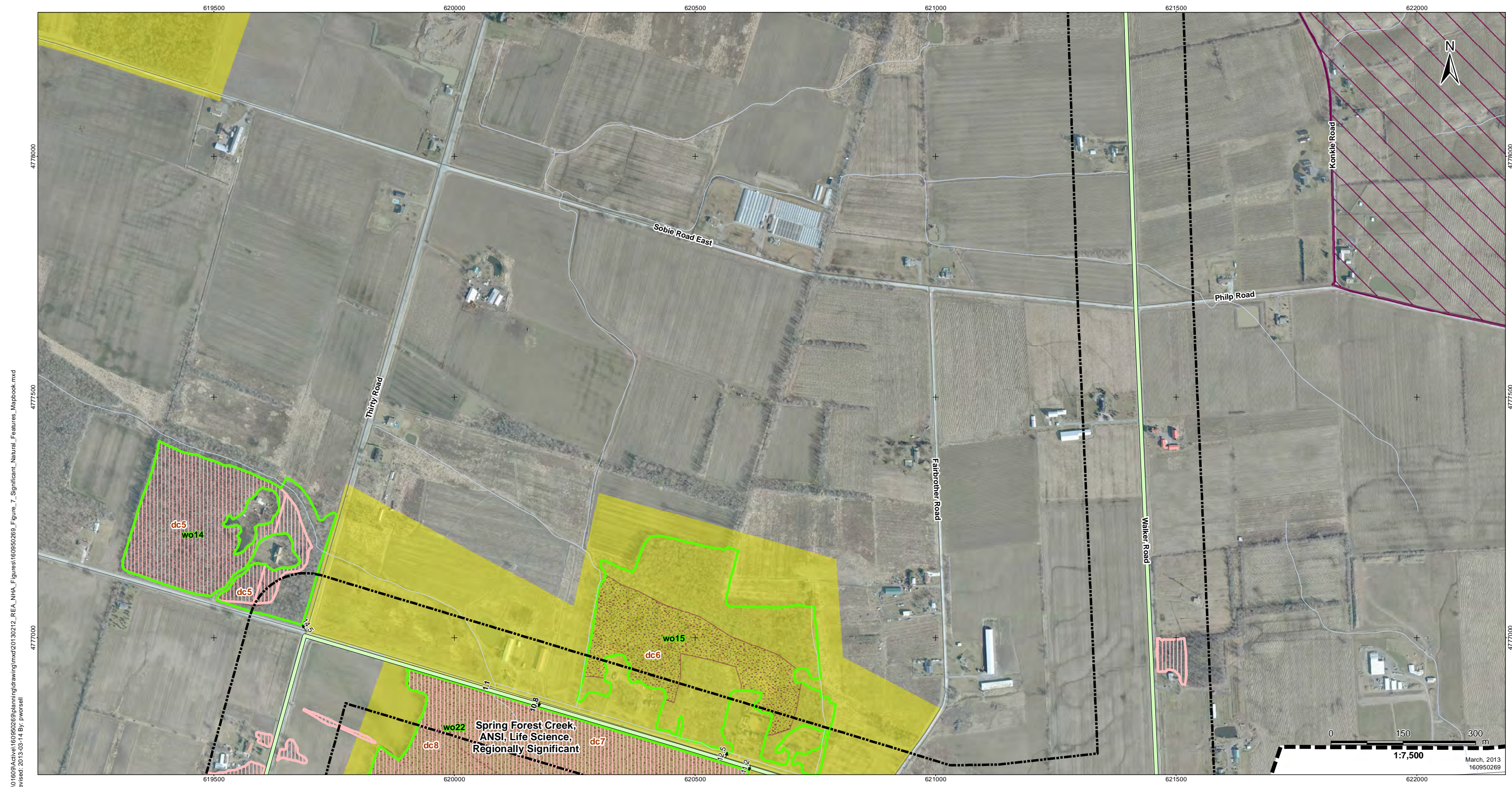


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Figure No.
 7.3

Title
Significant Natural Features
Figure 7.3

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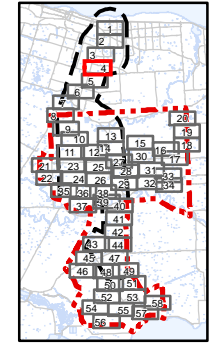


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|-----------------------------------|---|---|--|
| Project Study Area | Collector Lines – Underground or Overhead | Other Rare Vegetation Community | Turtle Nesting Habitat/Snapping Turtle Habitat |
| Interconnector Study Area | Fibre Optic Line | Woodland Amphibian Breeding Habitat | Turtle Habitat 30m Buffer |
| 120m Zone of Investigation | Potential Access Road | Wetland Amphibian Breeding Habitat | Turtle Wintering Area |
| Proposed Turbine Location | Access Road 20m Construction Area | Woodland Communities | Generalized Habitat |
| Turbine Blade Length | Potential Construction Laydown Area | ANSI, Earth Science, Provincially Significant | Snake Hibernacula |
| Tap-in Location | Transformer Substation | ANSI, Life Science, Provincially Significant | Generalized Wildlife Habitat |
| Junction Box | Significant Wildlife Habitat | ANSI, Life Science, Regionally Significant | Deer Congregation Areas (MNR) (Generalized) |
| Proposed Culvert | Snake Hibernacula | Niagara Escarpment Protection Area | Bat Maternity Colonies |
| Preferred Transmission Line Route | Snake Hibernacula 30m Buffer | Greenbelt Natural Heritage System | |
| Alternate Transmission Route | Landbird Migratory Stopover | | |
| Temporary Laydown Area | Raptor Wintering Areas | | |
| | Wetland Communities | | |

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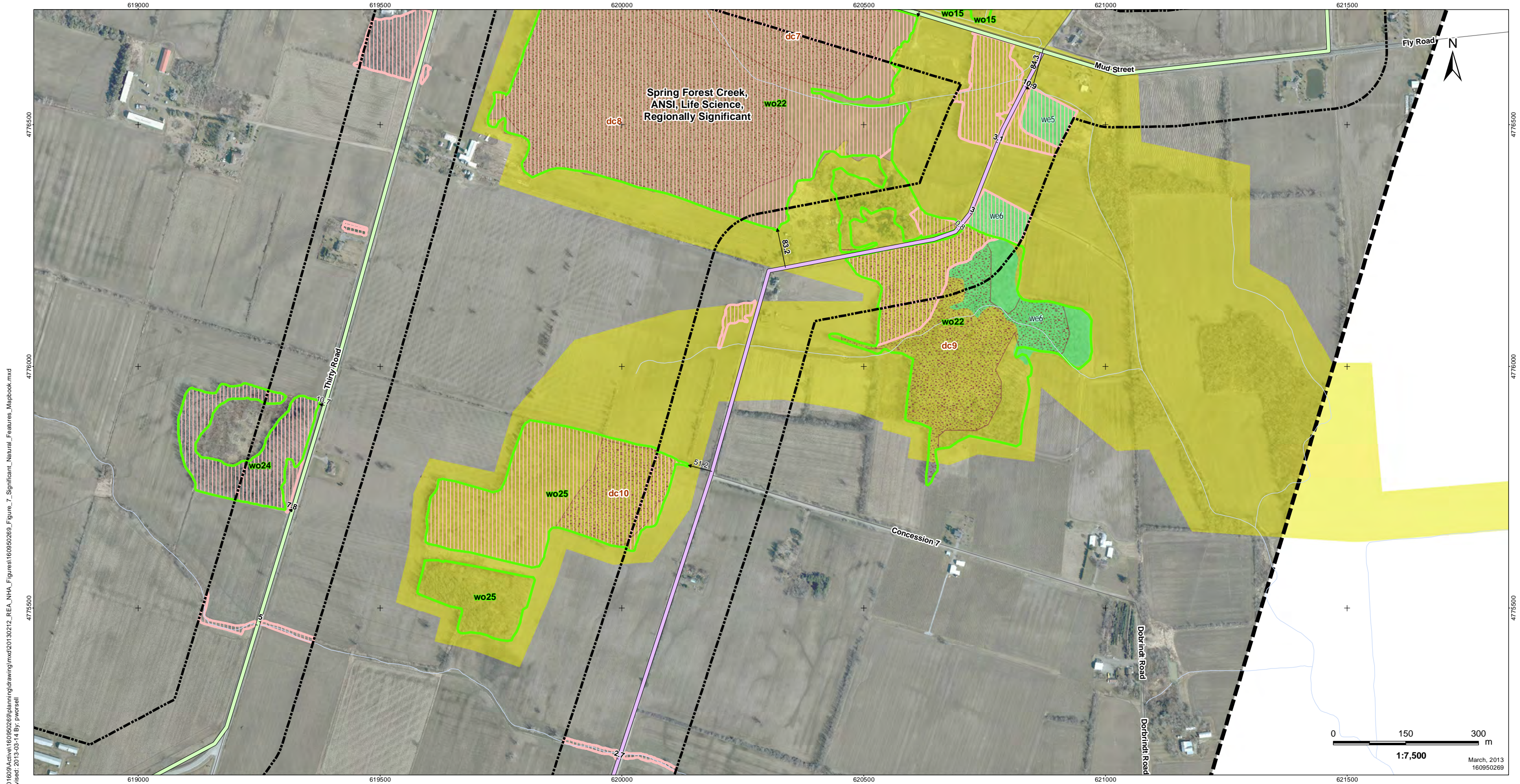


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Figure No.
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Title
Significant Natural Features
Figure 7.4

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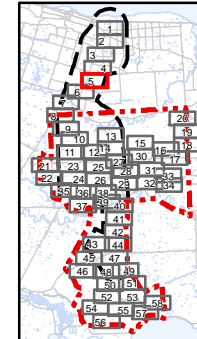


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|-----------------------------------|---|---|--|
| Project Study Area | Collector Lines – Underground or Overhead | Other Rare Vegetation Community | Turtle Nesting Habitat/Snapping Turtle Habitat |
| Interconnector Study Area | Fibre Optic Line | Woodland Amphibian Breeding Habitat | Turtle Habitat 30m Buffer |
| 120m Zone of Investigation | Potential Access Road | Wetland Amphibian Breeding Habitat | Turtle Wintering Area |
| Proposed Turbine Location | Access Road 20m Construction Area | Woodland Communities | Generalized Habitat |
| Turbine Blade Length | Potential Construction Laydown Area | ANSI, Earth Science, Provincially Significant | Snake Hibernacula |
| Tap-in Location | Transformer Substation | ANSI, Life Science, Provincially Significant | Generalized Wildlife Habitat |
| Junction Box | Significant Wildlife Habitat | ANSI, Life Science, Regionally Significant | Deer Congregation Areas (MNR) (Generalized) |
| Proposed Culvert | Snake Hibernacula | Niagara Escarpment Protection Area | Bat Maternity Colonies |
| Preferred Transmission Line Route | Snake Hibernacula 30m Buffer | Greenbelt Natural Heritage System | |
| Alternate Transmission Route | Landbird Migratory Stopover | | |
| Temporary Laydown Area | Raptor Wintering Areas | | |
| | Wetland Communities | | |

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Figure No.
 7.5

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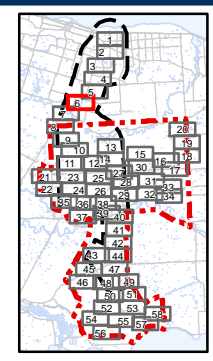


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|-----------------------------------|---|---|--|
| Project Study Area | Collector Lines – Underground or Overhead | Other Rare Vegetation Community | Turtle Nesting Habitat/Snapping Turtle Habitat |
| Interconnector Study Area | Fibre Optic Line | Woodland Amphibian Breeding Habitat | Turtle Habitat 30m Buffer |
| 120m Zone of Investigation | Potential Access Road | Wetland Amphibian Breeding Habitat | Turtle Wintering Area |
| Proposed Turbine Location | Access Road 20m Construction Area | Woodland Communities | Generalized Habitat |
| Turbine Blade Length | Potential Construction Laydown Area | ANSI, Earth Science, Provincially Significant | Snake Hibernacula |
| Tap-in Location | Transformer Substation | ANSI, Life Science, Provincially Significant | Generalized Wildlife Habitat |
| Junction Box | Significant Wildlife Habitat | ANSI, Life Science, Regionally Significant | Deer Congregation Areas (MNR) (Generalized) |
| Proposed Culvert | Snake Hibernacula | Niagara Escarpment Protection Area | Bat Maternity Colonies |
| Preferred Transmission Line Route | Snake Hibernacula 30m Buffer | Greenbelt Natural Heritage System | |
| Alternate Transmission Route | Landbird Migratory Stopover | | |
| Temporary Laydown Area | Raptor Wintering Areas | | |
| | Wetland Communities | | |

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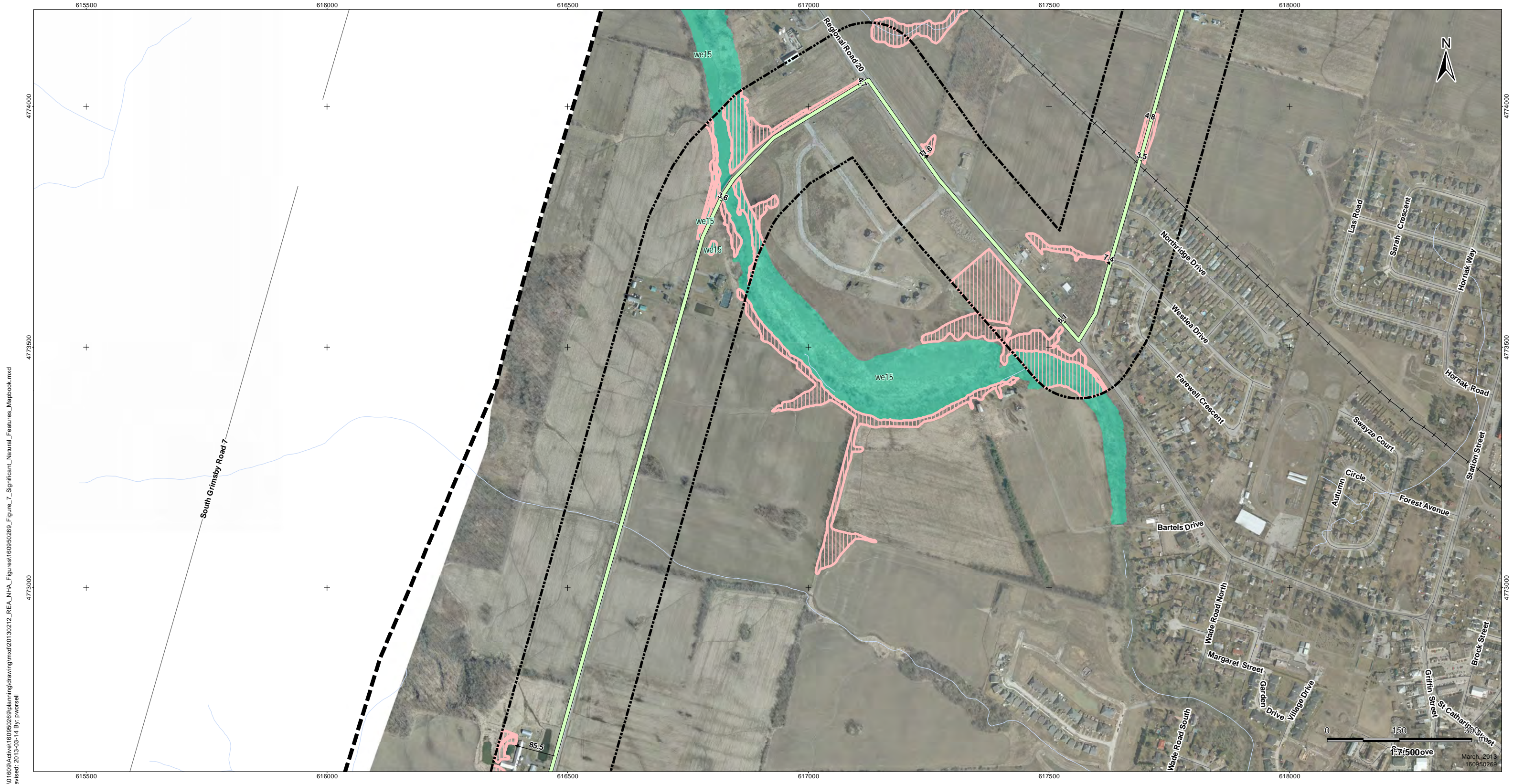


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Figure No.
 7.6

Title
Significant Natural Features
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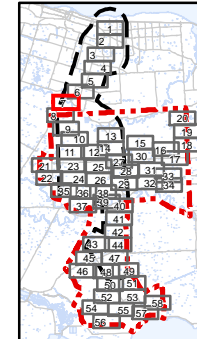


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| Project Study Area | Collector Lines – Underground or Overhead | Other Rare Vegetation Community | Turtle Nesting Habitat/Snapping Turtle Habitat |
| Interconnector Study Area | Fibre Optic Line | Woodland Amphibian Breeding Habitat | Turtle Habitat 30m Buffer |
| 120m Zone of Investigation | Potential Access Road | Wetland Amphibian Breeding Habitat | Turtle Wintering Area |
| Proposed Turbine Location | Access Road 20m Construction Area | Woodland Communities | Generalized Habitat |
| Turbine Blade Length | Potential Construction Laydown Area | ANSI, Earth Science, Provincially Significant | Snake Hibernacula |
| Tap-in Location | Transformer Substation | ANSI, Life Science, Provincially Significant | Generalized Wildlife Habitat |
| Junction Box | Significant Wildlife Habitat | ANSI, Life Science, Regionally Significant | Deer Congregation Areas (MNR) (Generalized) |
| Proposed Culvert | Snake Hibernacula | Niagara Escarpment Protection Area | Bat Maternity Colonies |
| Preferred Transmission Line Route | Snake Hibernacula 30m Buffer | Greenbelt Natural Heritage System | |
| Alternate Transmission Route | Landbird Migratory Stopover | | |
| Temporary Laydown Area | Raptor Wintering Areas | | |
| | Wetland Communities | | |

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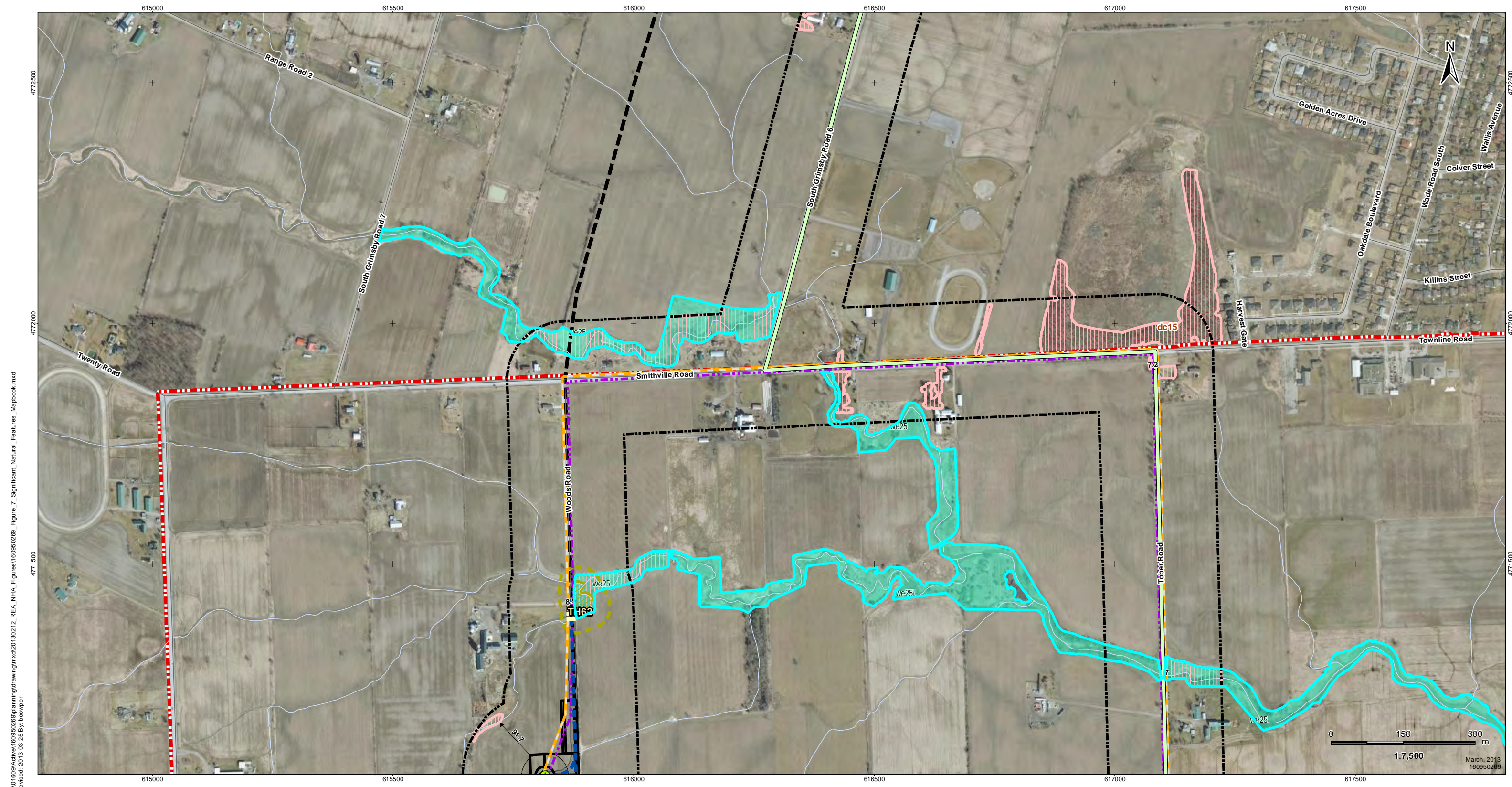
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Figure No.
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Title
Significant Natural Features
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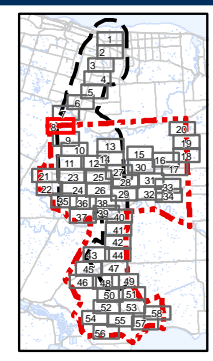


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| Project Study Area | Collector Lines – Underground or Overhead | Other Rare Vegetation Community | Turtle Nesting Habitat/Snapping Turtle Habitat |
| Interconnector Study Area | Fibre Optic Line | Woodland Amphibian Breeding Habitat | Turtle Habitat 30m Buffer |
| 120m Zone of Investigation | Potential Access Road | Wetland Amphibian Breeding Habitat | Turtle Wintering Area |
| Proposed Turbine Location | Access Road 20m Construction Area | Woodland Communities | Generalized Habitat |
| Turbine Blade Length | Potential Construction Laydown Area | ANSI, Earth Science, Provincially Significant | Snake Hibernacula |
| Tap-in Location | Transformer Substation | ANSI, Life Science, Provincially Significant | Generalized Wildlife Habitat |
| Junction Box | Significant Wildlife Habitat | ANSI, Life Science, Regionally Significant | Deer Congregation Areas (MNR) (Generalized) |
| Proposed Culvert | Snake Hibernacula | Niagara Escarpment Protection Area | Bat Maternity Colonies |
| Preferred Transmission Line Route | Snake Hibernacula 30m Buffer | Greenbelt Natural Heritage System | |
| Alternate Transmission Route | Landbird Migratory Stopover | | |
| Temporary Laydown Area | Raptor Wintering Areas | | |
| | Wetland Communities | | |

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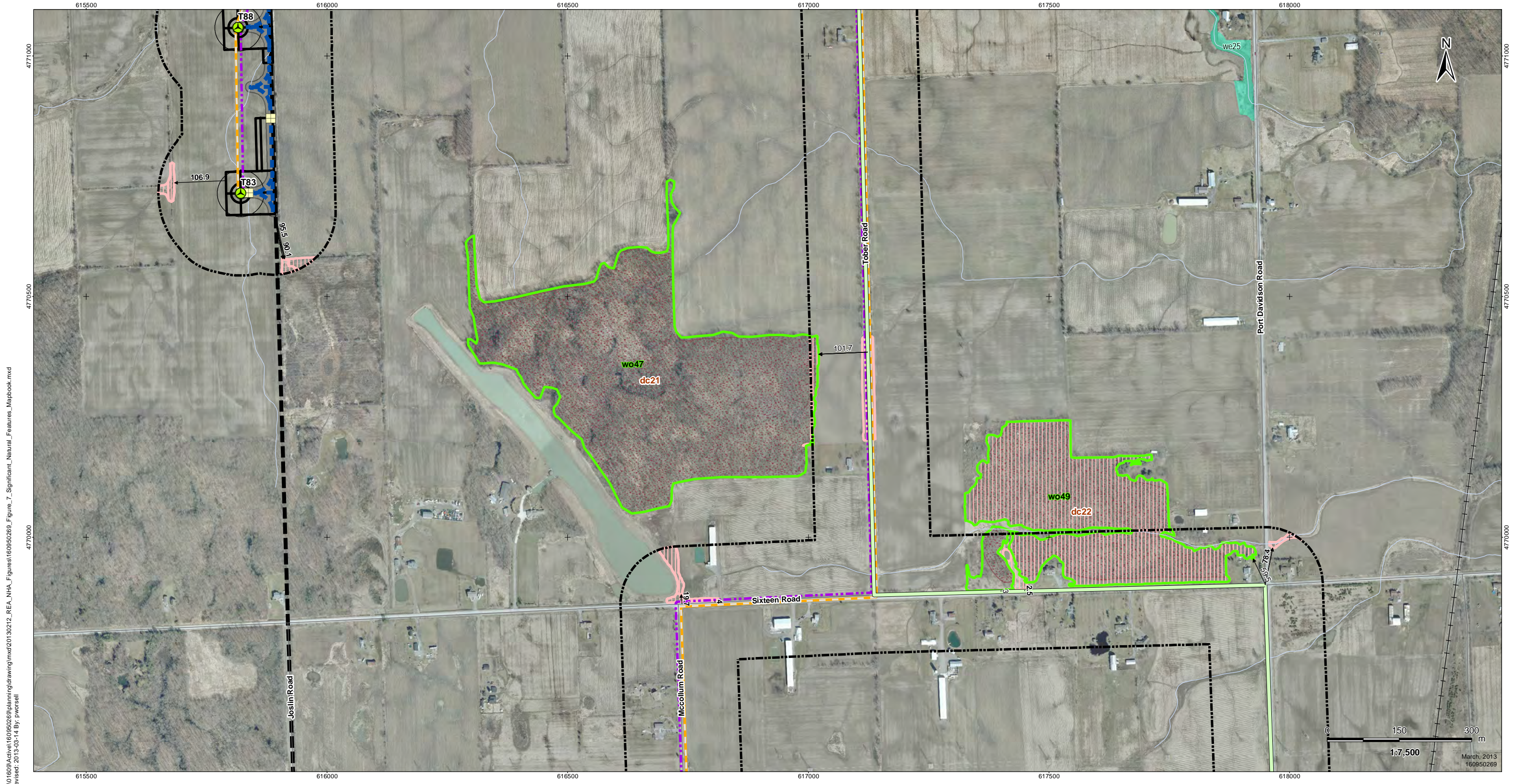


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Figure No.
 7.8

Title
Significant Natural Features
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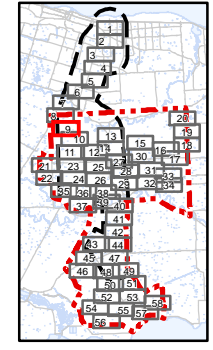


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| <ul style="list-style-type: none"> Project Study Area Interconnector Study Area 120m Zone of Investigation Proposed Turbine Location Turbine Blade Length Tap-in Location Junction Box Proposed Culvert Preferred Transmission Line Route Alternate Transmission Route Temporary Laydown Area | <ul style="list-style-type: none"> Collector Lines – Underground or Overhead Fibre Optic Line Potential Access Road Access Road 20m Construction Area Potential Construction Laydown Area Transformer Substation Significant Wildlife Habitat Snake Hibernacula Snake Hibernacula 30m Buffer Landbird Migratory Stopover Raptor Wintering Areas Wetland Communities | <ul style="list-style-type: none"> Other Rare Vegetation Community Woodland Amphibian Breeding Habitat Wetland Amphibian Breeding Habitat Woodland Communities ANSI, Earth Science, Provincially Significant ANSI, Life Science, Provincially Significant ANSI, Life Science, Regionally Significant Niagara Escarpment Protection Area Greenbelt Natural Heritage System | <ul style="list-style-type: none"> Turtle Nesting Habitat/Snapping Turtle Habitat Turtle Habitat 30m Buffer Turtle Wintering Area Generalized Habitat Snake Hibernacula Generalized Wildlife Habitat Deer Congregation Areas (MNR) (Generalized) Bat Maternity Colonies |
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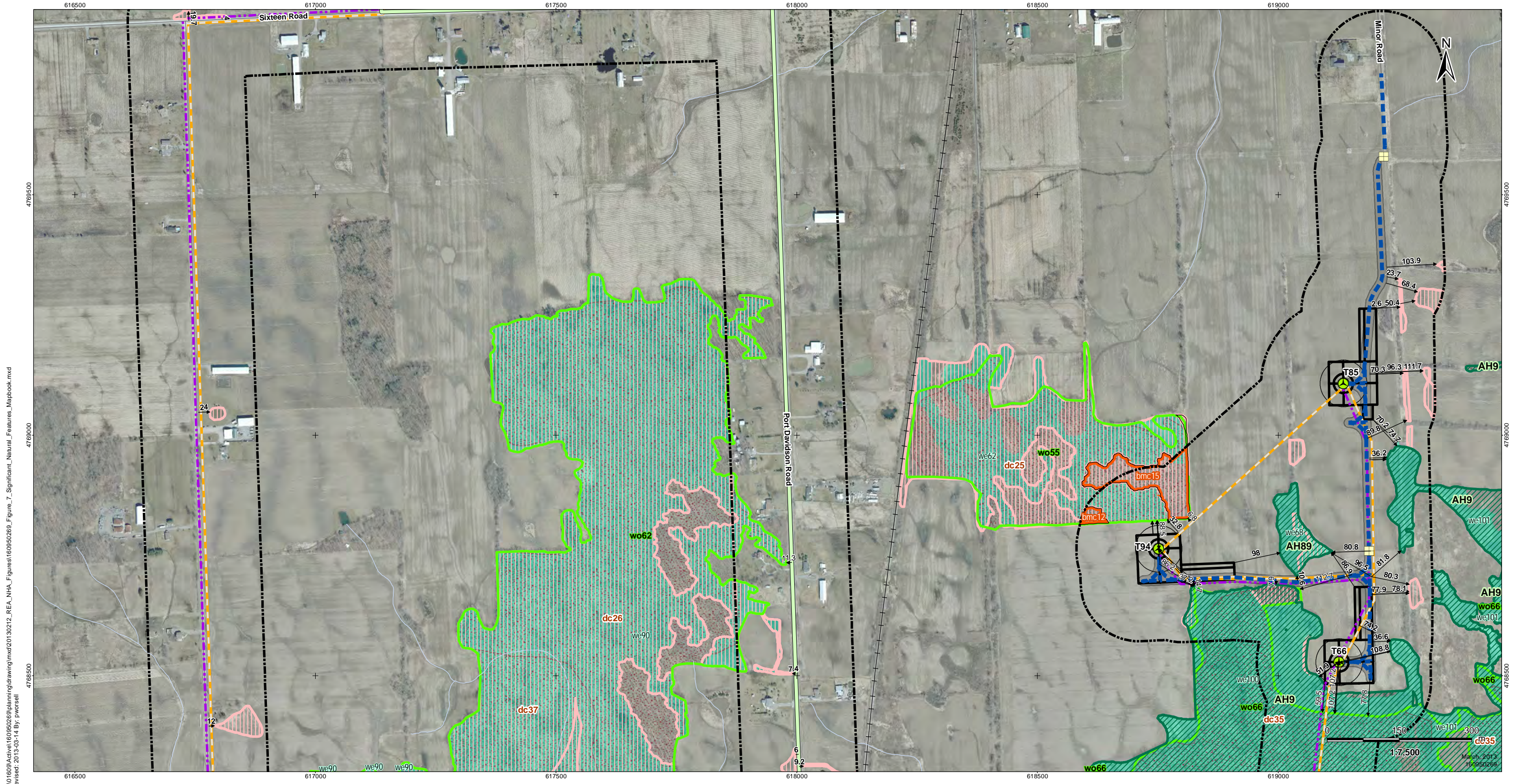


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Figure No.
 7.9

Title
Significant Natural Features
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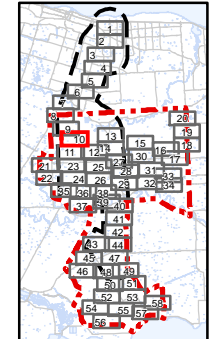


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| <ul style="list-style-type: none"> Project Study Area Interconnector Study Area 120m Zone of Investigation Proposed Turbine Location Turbine Blade Length Tap-in Location Junction Box Proposed Culvert Preferred Transmission Line Route Alternate Transmission Route Temporary Laydown Area | <ul style="list-style-type: none"> Collector Lines – Underground or Overhead Fibre Optic Line Potential Access Road Access Road 20m Construction Area Potential Construction Laydown Area Transformer Substation Snake Hibernacula Snake Hibernacula 30m Buffer Landbird Migratory Stopover Raptor Wintering Areas Wetland Communities | <ul style="list-style-type: none"> Other Rare Vegetation Community Woodland Amphibian Breeding Habitat Wetland Amphibian Breeding Habitat Woodland Communities ANSI, Earth Science, Provincially Significant ANSI, Life Science, Provincially Significant ANSI, Life Science, Regionally Significant Niagara Escarpment Protection Area Greenbelt Natural Heritage System | <ul style="list-style-type: none"> Turtle Nesting Habitat/Snapping Turtle Habitat Turtle Habitat 30m Buffer Turtle Wintering Area Generalized Habitat Snake Hibernacula Generalized Wildlife Habitat Deer Congregation Areas (MNR) (Generalized) Bat Maternity Colonies |
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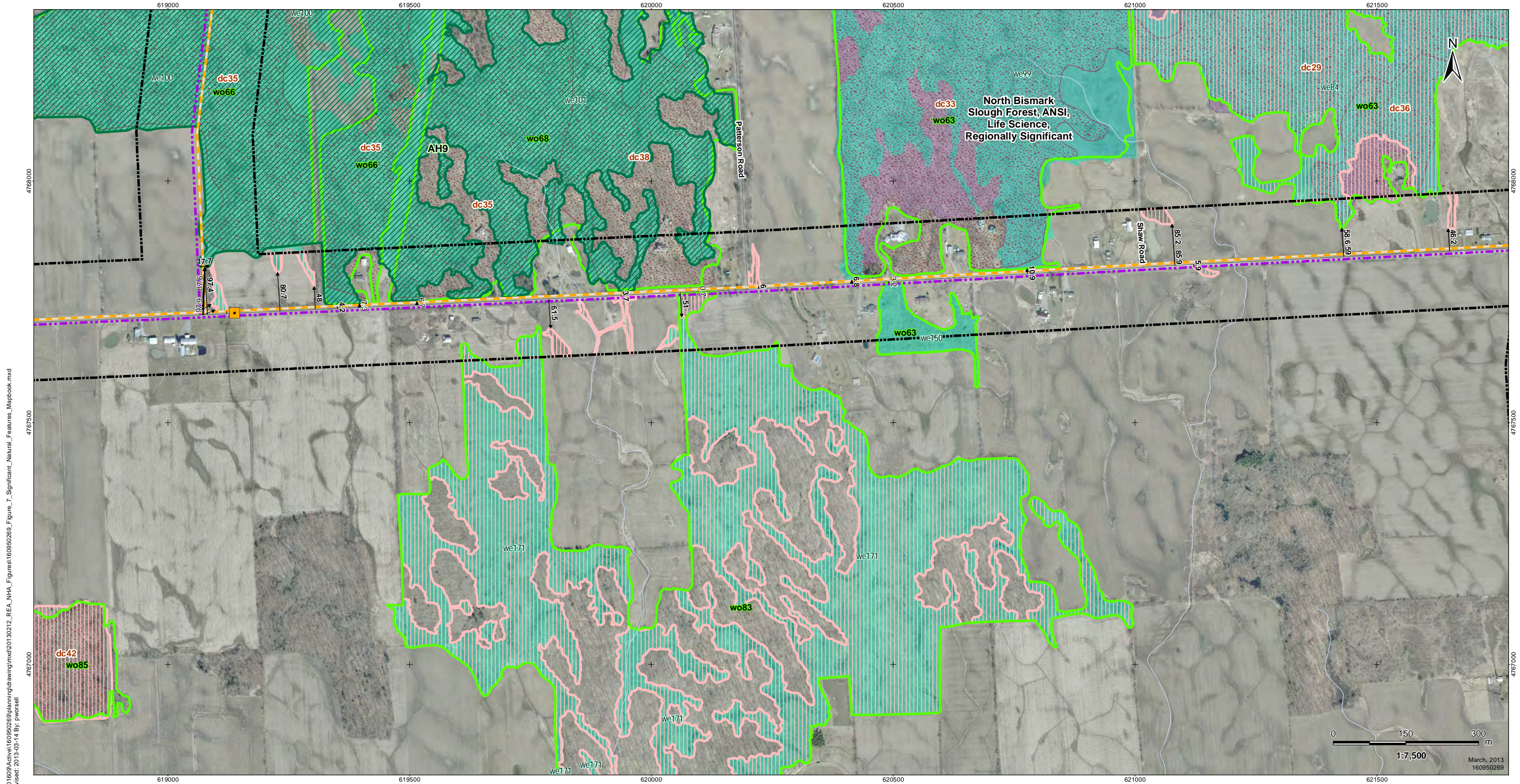


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Figure No.
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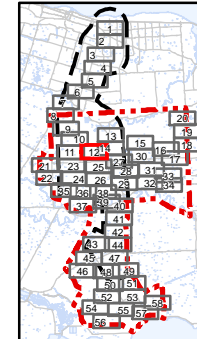


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| Project Study Area | Collector Lines – Underground or Overhead | Other Rare Vegetation Community | Turtle Nesting Habitat/Snapping Turtle Habitat |
| Interconnector Study Area | Fibre Optic Line | Woodland Amphibian Breeding Habitat | Turtle Habitat 30m Buffer |
| 120m Zone of Investigation | Potential Access Road | Wetland Amphibian Breeding Habitat | Turtle Wintering Area |
| Proposed Turbine Location | Access Road 20m Construction Area | Woodland Communities | Generalized Habitat |
| Turbine Blade Length | Potential Construction Laydown Area | ANSI, Earth Science, Provincially Significant | Snake Hibernacula |
| Tap-in Location | Transformer Substation | ANSI, Life Science, Provincially Significant | Generalized Wildlife Habitat |
| Junction Box | Snake Hibernacula | ANSI, Life Science, Regionally Significant | Deer Congregation Areas (MNR) (Generalized) |
| Proposed Culvert | Snake Hibernacula 30m Buffer | Niagara Escarpment Protection Area | Bat Maternity Colonies |
| Preferred Transmission Line Route | Landbird Migratory Stopover | Greenbelt Natural Heritage System | |
| Alternate Transmission Route | Raptor Wintering Areas | | |
| Temporary Laydown Area | Wetland Communities | | |

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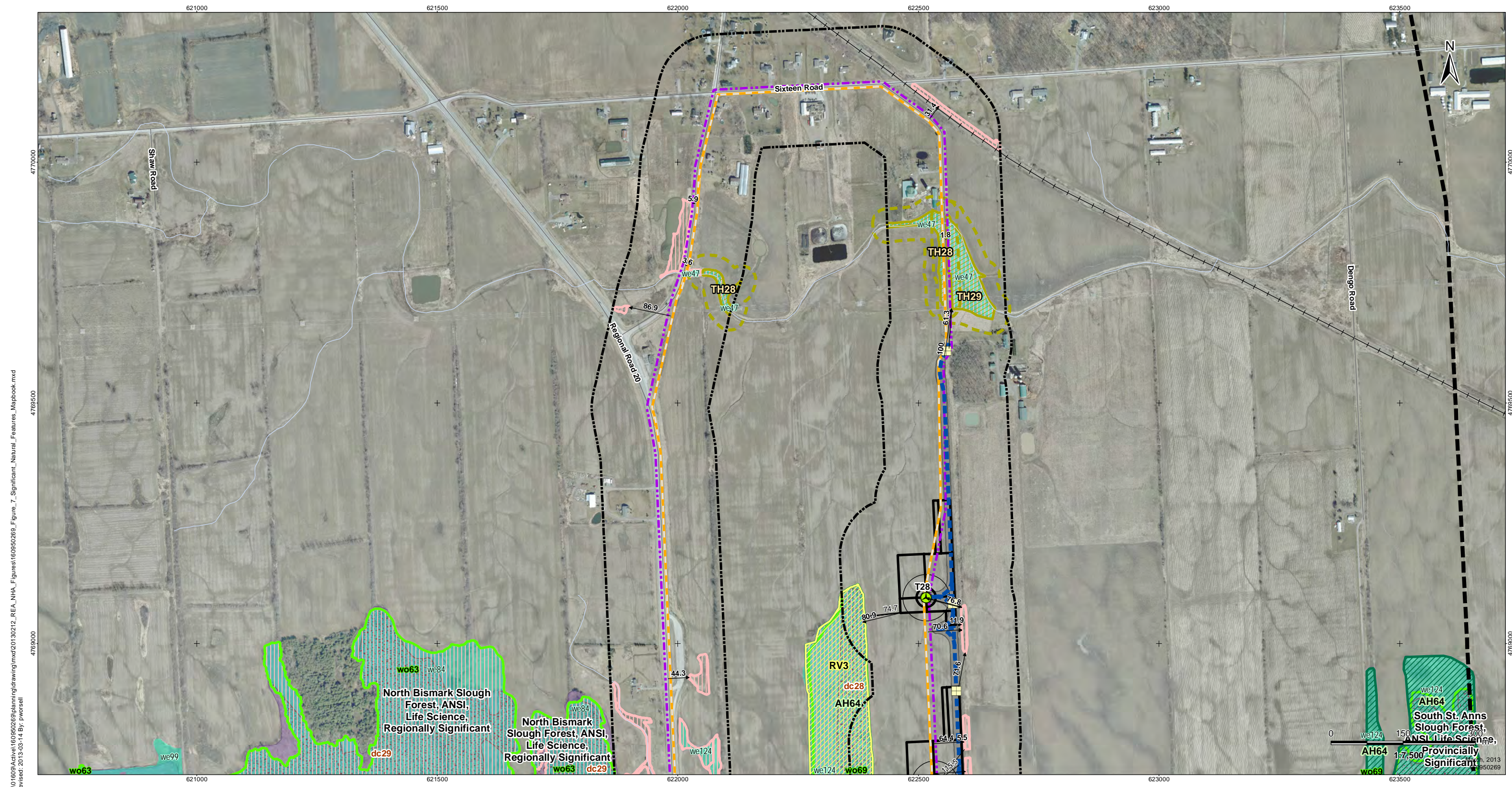


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Figure No.
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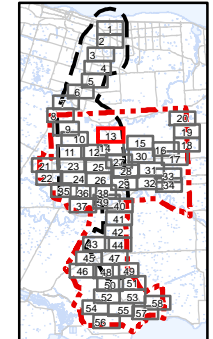


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Project Study Area	Collector Lines – Underground or Overhead	Other Rare Vegetation Community	Turtle Nesting Habitat/Snapping Turtle Habitat
Interconnector Study Area	Fibre Optic Line	Woodland Amphibian Breeding Habitat	Turtle Habitat 30m Buffer
120m Zone of Investigation	Potential Access Road	Wetland Amphibian Breeding Habitat	Turtle Wintering Area
Proposed Turbine Location	Access Road 20m Construction Area	Woodland Communities	Generalized Habitat
Turbine Blade Length	Potential Construction Laydown Area	ANSI, Earth Science, Provincially Significant	Snake Hibernacula
Tap-in Location	Transformer Substation	ANSI, Life Science, Provincially Significant	Generalized Wildlife Habitat
Junction Box	Significant Wildlife Habitat	ANSI, Life Science, Regionally Significant	Deer Congregation Areas (MNR) (Generalized)
Proposed Culvert	Snake Hibernacula	Niagara Escarpment Protection Area	Bat Maternity Colonies
Preferred Transmission Line Route	Snake Hibernacula 30m Buffer	Greenbelt Natural Heritage System	
Alternate Transmission Route	Landbird Migratory Stopover		
Temporary Laydown Area	Raptor Wintering Areas		
	Wetland Communities		

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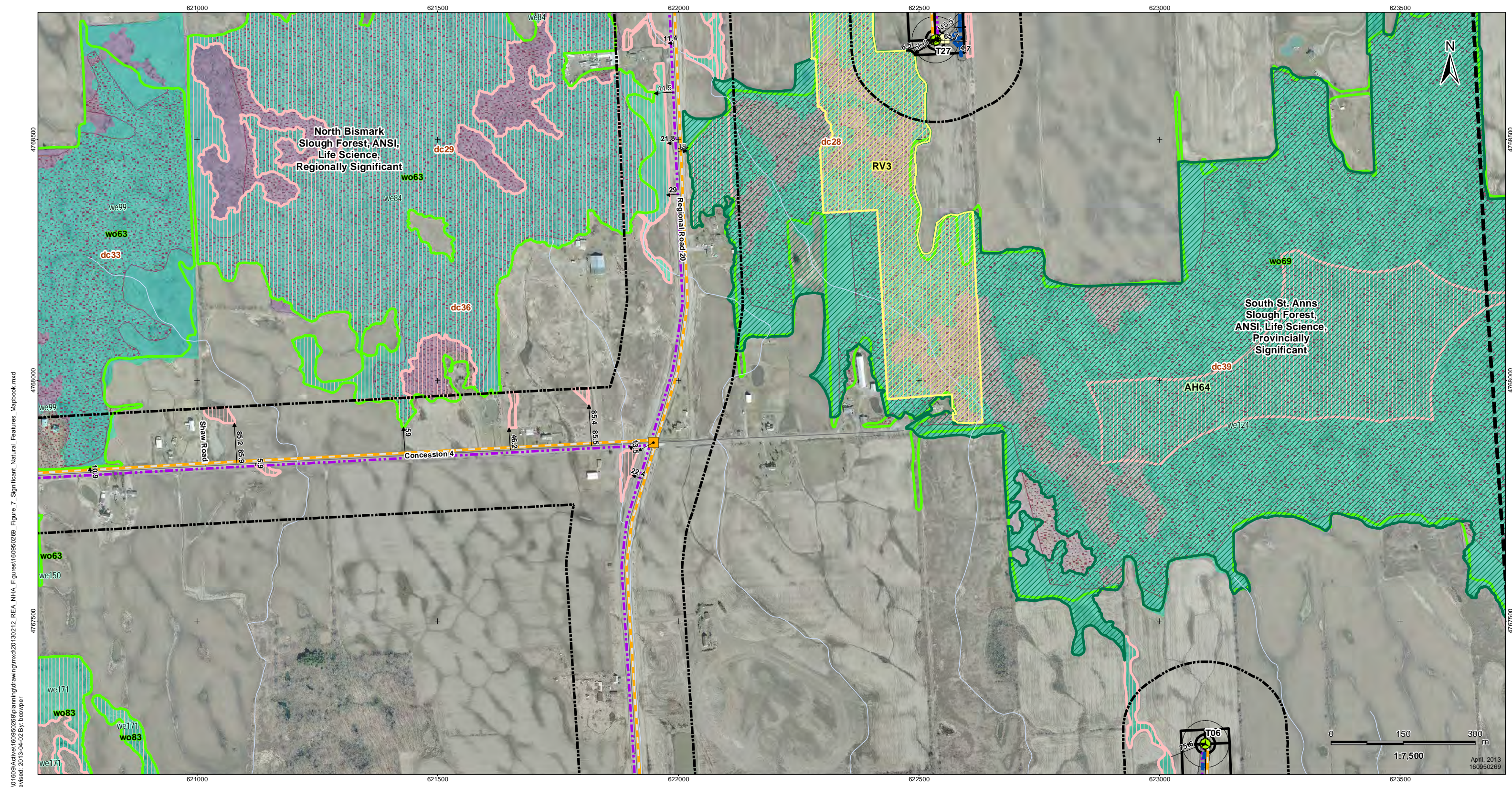


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Figure No.
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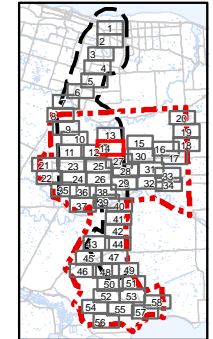


Legend

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|---|--|---|---|
| <ul style="list-style-type: none"> Project Study Area Interconnector Study Area 120m Zone of Investigation Proposed Turbine Location Turbine Blade Length Tap-in Location Junction Box Proposed Culvert Preferred Transmission Line Route Alternate Transmission Route Temporary Laydown Area | <ul style="list-style-type: none"> Collector Lines – Underground or Overhead Fibre Optic Line Potential Access Road Access Road 20m Construction Area Potential Construction Laydown Area Transformer Substation Snake Hibernacula Snake Hibernacula 30m Buffer Landbird Migratory Stopover Raptor Wintering Areas Wetland Communities | <ul style="list-style-type: none"> Other Rare Vegetation Community Woodland Amphibian Breeding Habitat Wetland Amphibian Breeding Habitat Woodland Communities ANSI, Earth Science, Provincially Significant ANSI, Life Science, Provincially Significant ANSI, Life Science, Regionally Significant Niagara Escarpment Protection Area Greenbelt Natural Heritage System | <ul style="list-style-type: none"> Turtle Nesting Habitat/Snapping Turtle Habitat Turtle Habitat 30m Buffer Turtle Wintering Area Generalized Habitat Snake Hibernacula Generalized Wildlife Habitat Deer Congregation Areas (MNR) (Generalized) Bat Maternity Colonies |
|---|--|---|---|

Notes

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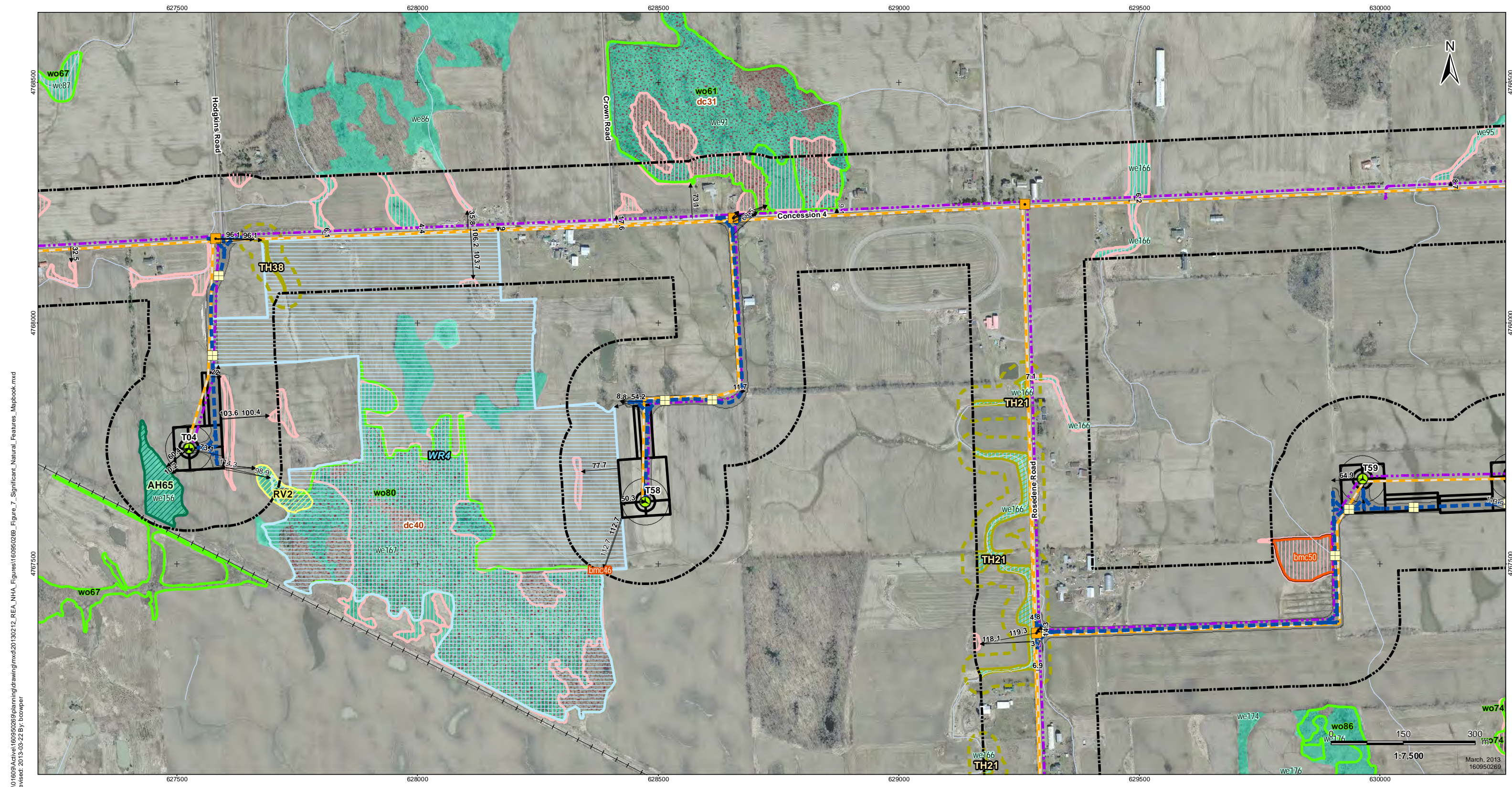


Client/Project
 Niagara Region Wind Corporation
 Natural Heritage Assessment Report

Figure No.
 7.14

Title
Significant Natural Features
Figure 7.14

April, 2013
 160950269



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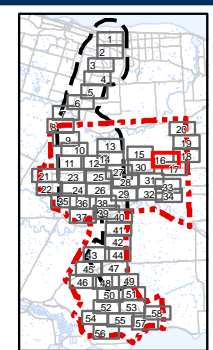


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|--|-----------------------------------|--|---|--|---|--|---|
| | Project Study Area | | Collector Lines – Underground or Overhead | | Other Rare Vegetation Community | | Turtle Nesting Habitat/ Snapping Turtle Habitat |
| | Interconnector Study Area | | Fibre Optic Line | | Woodland Amphibian Breeding Habitat | | Turtle Habitat 30m Buffer |
| | 120m Zone of Investigation | | Potential Access Road | | Wetland Amphibian Breeding Habitat | | Turtle Wintering Area |
| | Proposed Turbine Location | | Access Road 20m Construction Area | | Woodland Communities | | Generalized Habitat |
| | Turbine Blade Length | | Potential Construction Laydown Area | | ANSI, Earth Science, Provincially Significant | | Snake Hibernacula |
| | Tap-in Location | | Transformer Substation | | ANSI, Life Science, Provincially Significant | | Generalized Wildlife Habitat |
| | Junction Box | | Significant Wildlife Habitat | | ANSI, Life Science, Regionally Significant | | Deer Congregation Areas (MNR) (Generalized) |
| | Proposed Culvert | | Snake Hibernacula 30m Buffer | | Niagara Escarpment Protection Area | | Bat Maternity Colonies |
| | Preferred Transmission Line Route | | Landbird Migratory Stopover | | Greenbelt Natural Heritage System | | |
| | Alternate Transmission Route | | Raptor Wintering Areas | | | | |
| | Temporary Laydown Area | | Wetland Communities | | | | |

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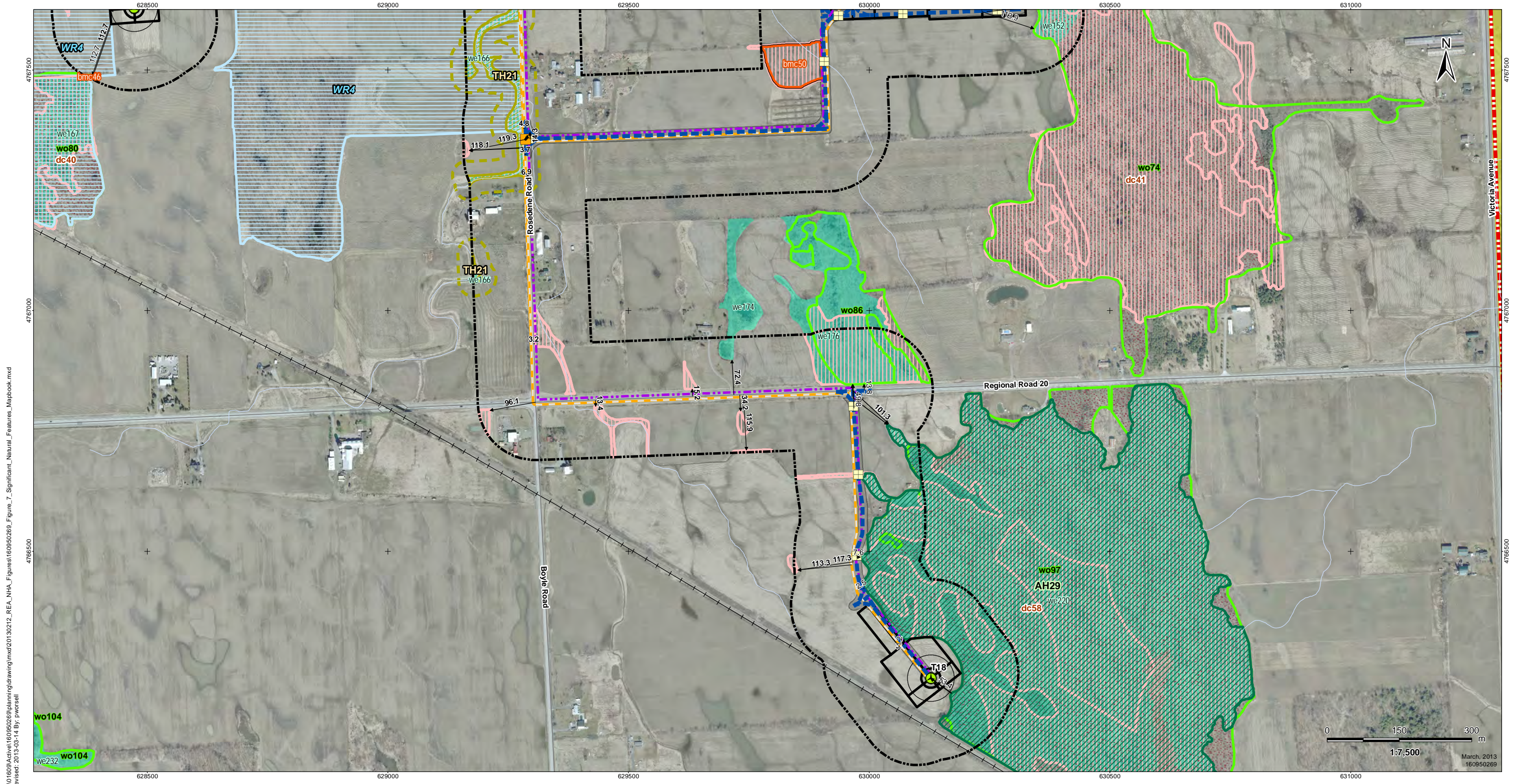


Client/Project
 Niagara Region Wind Corporation
 Natural Heritage Assessment Report

Figure No.
 7.16

Title
Significant Natural Features
Figure 7.16

March, 2013
 160950269



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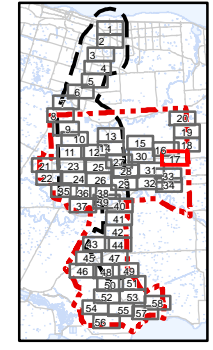


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|-----------------------------------|---|---|--|
| Project Study Area | Collector Lines – Underground or Overhead | Other Rare Vegetation Community | Turtle Nesting Habitat/Snapping Turtle Habitat |
| Interconnector Study Area | Fibre Optic Line | Woodland Amphibian Breeding Habitat | Turtle Habitat 30m Buffer |
| 120m Zone of Investigation | Potential Access Road | Wetland Amphibian Breeding Habitat | Turtle Wintering Area |
| Proposed Turbine Location | Access Road 20m Construction Area | Woodland Communities | Generalized Habitat |
| Turbine Blade Length | Potential Construction Laydown Area | ANSI, Earth Science, Provincially Significant | Snake Hibernacula |
| Tap-in Location | Transformer Substation | ANSI, Life Science, Provincially Significant | Generalized Wildlife Habitat |
| Junction Box | Significant Wildlife Habitat | ANSI, Life Science, Regionally Significant | Deer Congregation Areas (MNR) (Generalized) |
| Proposed Culvert | Snake Hibernacula | Niagara Escarpment Protection Area | Bat Maternity Colonies |
| Preferred Transmission Line Route | Snake Hibernacula 30m Buffer | Greenbelt Natural Heritage System | |
| Alternate Transmission Route | Landbird Migratory Stopover | | |
| Temporary Laydown Area | Raptor Wintering Areas | | |
| | Wetland Communities | | |

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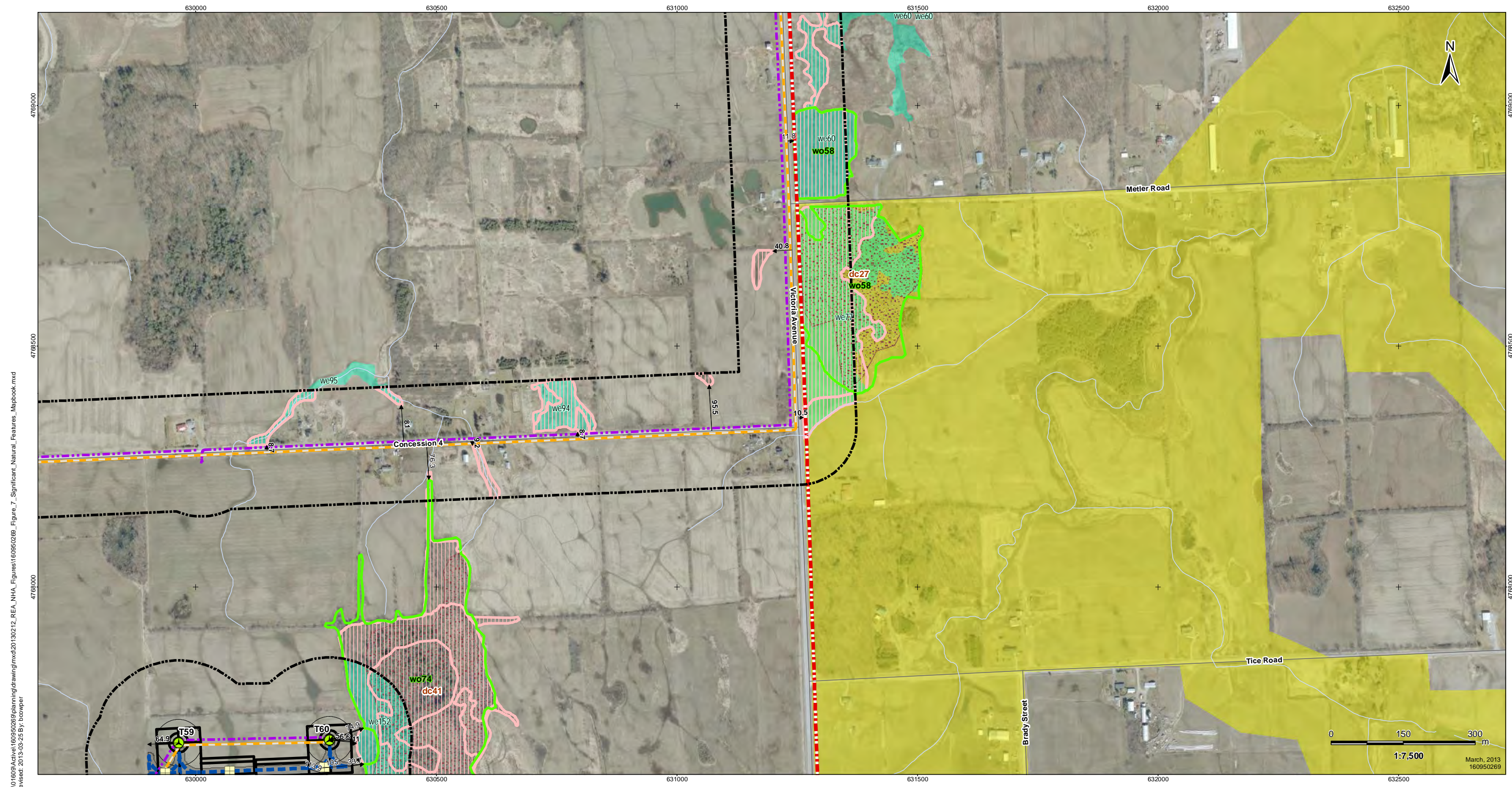


Client/Project
 Niagara Region Wind Corporation
 Natural Heritage Assessment Report

Figure No.
 7.17

Title
Significant Natural Features
Figure 7.17

March, 2013
 160950269



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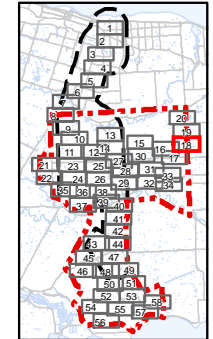


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| | Project Study Area | | Collector Lines – Underground or Overhead | | Other Rare Vegetation Community | | Turtle Nesting Habitat/Snapping Turtle Habitat |
| | Interconnector Study Area | | Fibre Optic Line | | Woodland Amphibian Breeding Habitat | | Turtle Habitat 30m Buffer |
| | 120m Zone of Investigation | | Potential Access Road | | Wetland Amphibian Breeding Habitat | | Turtle Wintering Area |
| | Proposed Turbine Location | | Access Road 20m Construction Area | | Woodland Communities | | Generalized Habitat |
| | Turbine Blade Length | | Potential Construction Laydown Area | | ANSI, Earth Science, Provincially Significant | | Snake Hibernacula |
| | Tap-in Location | | Transformer Substation | | ANSI, Life Science, Provincially Significant | | Generalized Wildlife Habitat |
| | Junction Box | | Significant Wildlife Habitat | | ANSI, Life Science, Regionally Significant | | Deer Congregation Areas (MNR) (Generalized) |
| | Proposed Culvert | | Snake Hibernacula 30m Buffer | | Niagara Escarpment Protection Area | | Bat Maternity Colonies |
| | Preferred Transmission Line Route | | Landbird Migratory Stopover | | Greenbelt Natural Heritage System | | |
| | Alternate Transmission Route | | Raptor Wintering Areas | | | | |
| | Temporary Laydown Area | | Wetland Communities | | | | |

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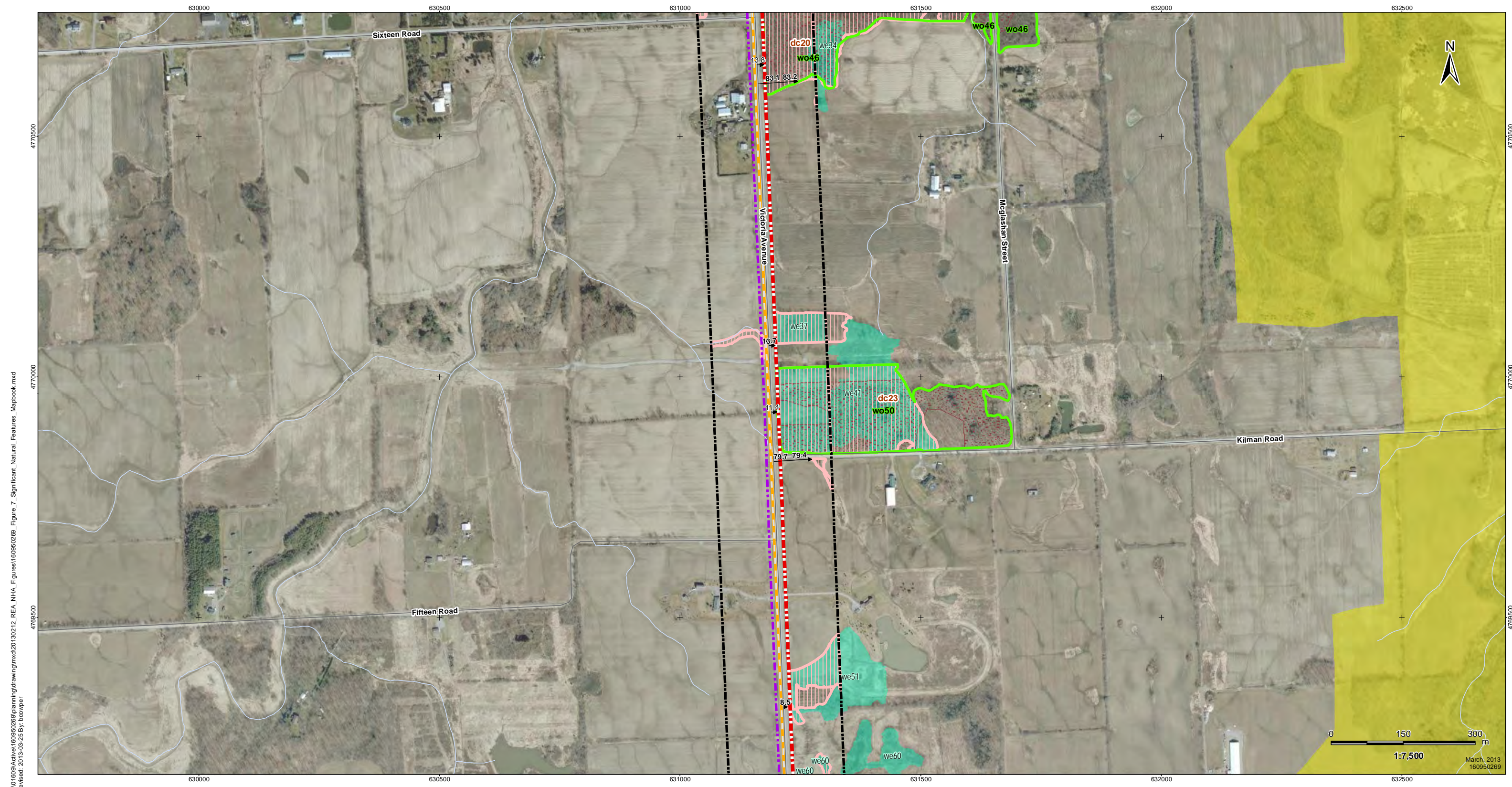


Client/Project
 Niagara Region Wind Corporation
 Natural Heritage Assessment Report

Figure No.
 7.18

Title
Significant Natural Features
Figure 7.18

March, 2013
 160950269



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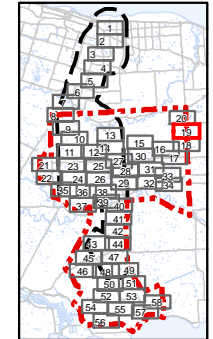


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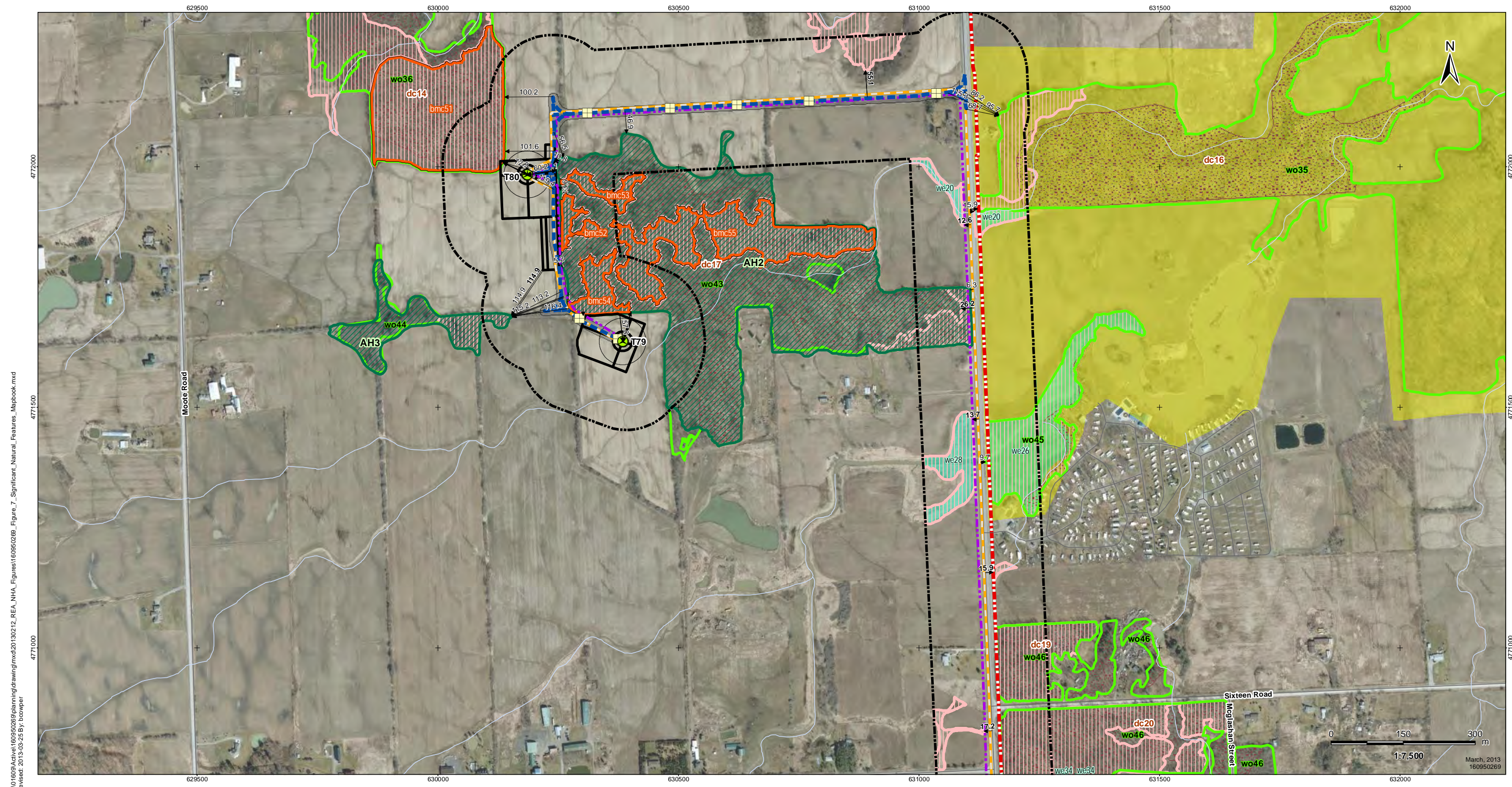


Client/Project
 Niagara Region Wind Corporation
 Natural Heritage Assessment Report

Figure No.
 7.19

Title
Significant Natural Features
Figure 7.19

March, 2013
 160950269



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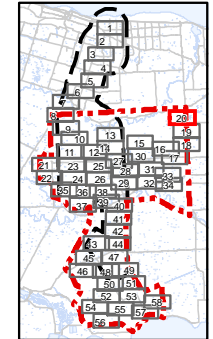


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| <ul style="list-style-type: none"> Project Study Area Interconnector Study Area 120m Zone of Investigation Proposed Turbine Location Turbine Blade Length Tap-in Location Junction Box Proposed Culvert Preferred Transmission Line Route Alternate Transmission Route Temporary Laydown Area | <ul style="list-style-type: none"> Collector Lines – Underground or Overhead Fibre Optic Line Potential Access Road Access Road 20m Construction Area Potential Construction Laydown Area Transformer Substation Snake Hibernacula Snake Hibernacula 30m Buffer Landbird Migratory Stopover Raptor Wintering Areas Wetland Communities | <ul style="list-style-type: none"> Other Rare Vegetation Community Woodland Amphibian Breeding Habitat Wetland Amphibian Breeding Habitat Woodland Communities ANSI, Earth Science, Provincially Significant ANSI, Life Science, Provincially Significant ANSI, Life Science, Regionally Significant Niagara Escarpment Protection Area Greenbelt Natural Heritage System | <ul style="list-style-type: none"> Turtle Nesting Habitat/Snapping Turtle Habitat Turtle Habitat 30m Buffer Turtle Wintering Area Generalized Habitat Snake Hibernacula Generalized Wildlife Habitat Deer Congregation Areas (MNR) (Generalized) Bat Maternity Colonies |
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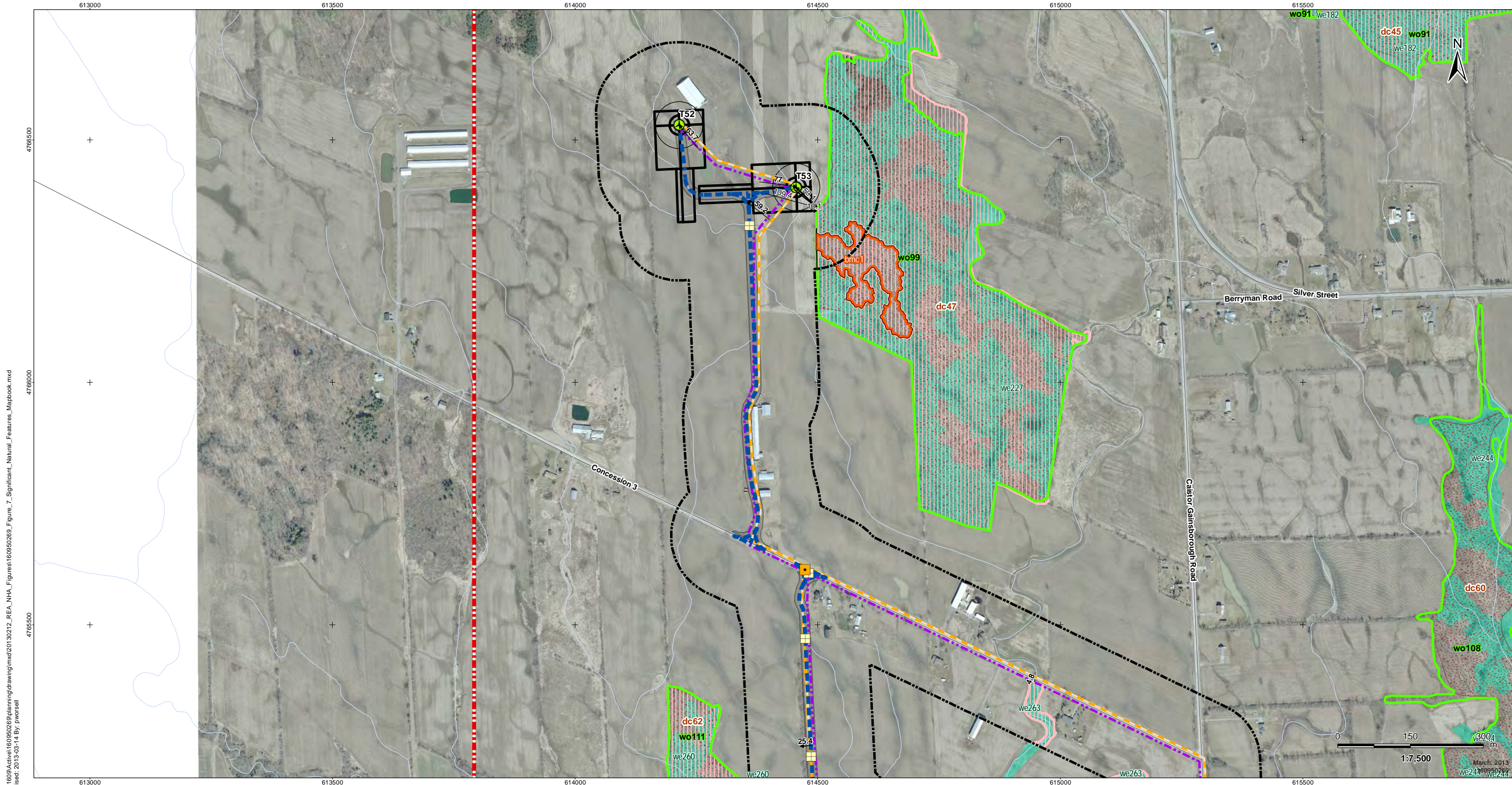


Client/Project
 Niagara Region Wind Corporation
 Natural Heritage Assessment Report

Figure No.
 7.20

Title
Significant Natural Features
Figure 7.20

March, 2013
 160950269



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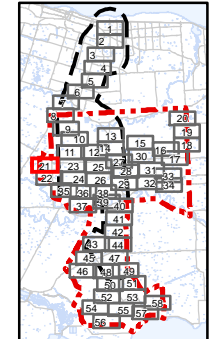


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| Project Study Area | Collector Lines – Underground or Overhead | Other Rare Vegetation Community | Turtle Nesting Habitat/Snapping Turtle Habitat |
| Interconnector Study Area | Fibre Optic Line | Woodland Amphibian Breeding Habitat | Turtle Habitat 30m Buffer |
| 120m Zone of Investigation | Potential Access Road | Wetland Amphibian Breeding Habitat | Turtle Wintering Area |
| Proposed Turbine Location | Access Road 20m Construction Area | Woodland Communities | Generalized Habitat |
| Turbine Blade Length | Potential Construction Laydown Area | ANSI, Earth Science, Provincially Significant | Snake Hibernacula |
| Tap-in Location | Transformer Substation | ANSI, Life Science, Provincially Significant | Generalized Wildlife Habitat |
| Junction Box | Significant Wildlife Habitat | ANSI, Life Science, Regionally Significant | Deer Congregation Areas (MNR) (Generalized) |
| Proposed Culvert | Snake Hibernacula | Niagara Escarpment Protection Area | Bat Maternity Colonies |
| Preferred Transmission Line Route | Snake Hibernacula 30m Buffer | Greenbelt Natural Heritage System | |
| Alternate Transmission Route | Landbird Migratory Stopover | | |
| Temporary Laydown Area | Raptor Wintering Areas | | |
| | Wetland Communities | | |

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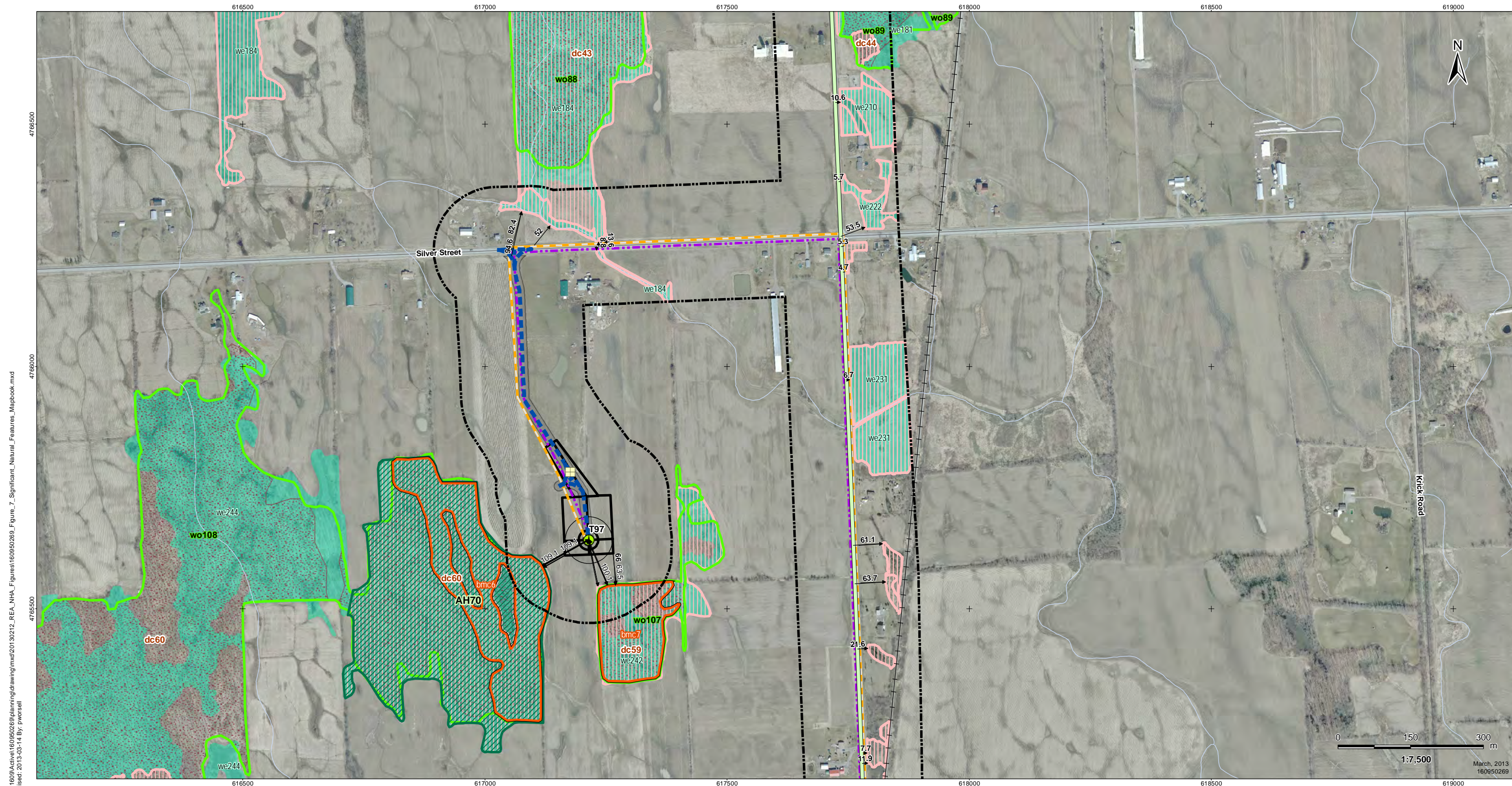


Client/Project
 Niagara Region Wind Corporation
 Natural Heritage Assessment Report

Figure No.
 7.21

Title
Significant Natural Features
Figure 7.21

March, 2013
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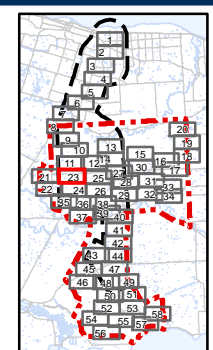


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| | Project Study Area | | Collector Lines – Underground or Overhead | | Other Rare Vegetation Community |
| | Interconnector Study Area | | Fibre Optic Line | | Woodland Amphibian Breeding Habitat |
| | 120m Zone of Investigation | | Potential Access Road | | Wetland Amphibian Breeding Habitat |
| | Proposed Turbine Location | | Access Road 20m Construction Area | | Woodland Communities |
| | Turbine Blade Length | | Potential Construction Laydown Area | | ANSI, Earth Science, Provincially Significant |
| | Tap-in Location | | Transformer Substation | | ANSI, Life Science, Provincially Significant |
| | Junction Box | | Significant Wildlife Habitat | | ANSI, Life Science, Regionally Significant |
| | Proposed Culvert | | Snake Hibernacula | | Niagara Escarpment Protection Area |
| | Preferred Transmission Line Route | | Snake Hibernacula 30m Buffer | | Greenbelt Natural Heritage System |
| | Alternate Transmission Route | | Landbird Migratory Stopover | | |
| | Temporary Laydown Area | | Raptor Wintering Areas | | |
| | | | Wetland Communities | | |

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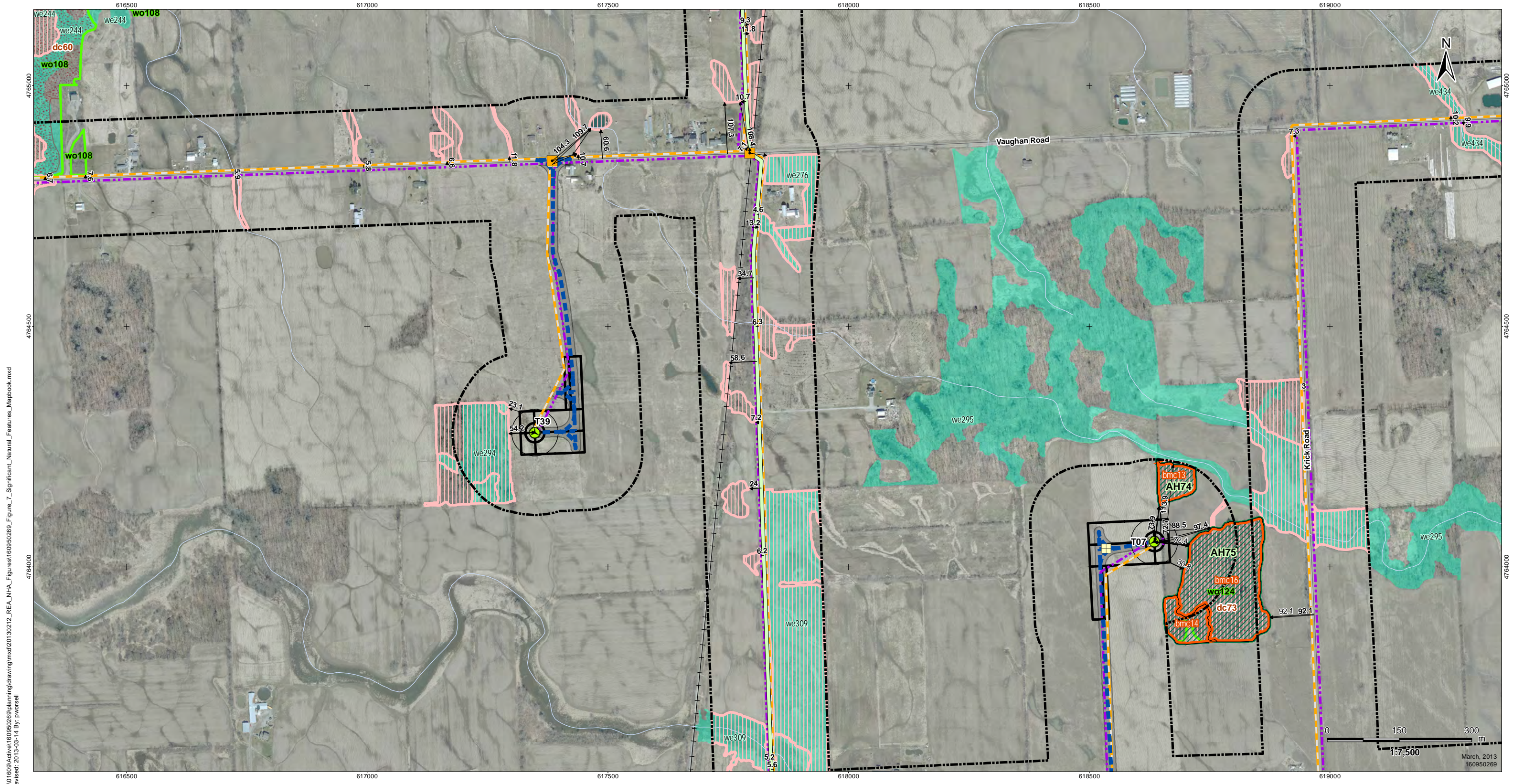


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 Niagara Region Wind Corporation
 Natural Heritage Assessment Report

Figure No.
 7.23

Title
Significant Natural Features
Figure 7.23

March, 2013
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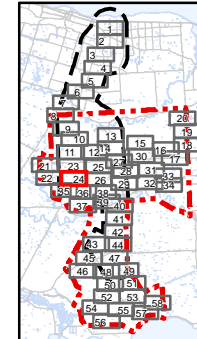


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| Project Study Area | Collector Lines – Underground or Overhead | Other Rare Vegetation Community | Turtle Nesting Habitat/Snapping Turtle Habitat |
| Interconnector Study Area | Fibre Optic Line | Woodland Amphibian Breeding Habitat | Turtle Habitat 30m Buffer |
| 120m Zone of Investigation | Potential Access Road | Wetland Amphibian Breeding Habitat | Turtle Wintering Area |
| Proposed Turbine Location | Access Road 20m Construction Area | Woodland Communities | Snake Hibernacula |
| Turbine Blade Length | Potential Construction Laydown Area | ANSI, Earth Science, Provincially Significant | Generalized Wildlife Habitat |
| Tap-in Location | Transformer Substation | ANSI, Life Science, Provincially Significant | Deer Congregation Areas (MNR) (Generalized) |
| Junction Box | Significant Wildlife Habitat | ANSI, Life Science, Regionally Significant | Bat Maternity Colonies |
| Proposed Culvert | Snake Hibernacula | Niagara Escarpment Protection Area | |
| Preferred Transmission Line Route | Snake Hibernacula 30m Buffer | Greenbelt Natural Heritage System | |
| Alternate Transmission Route | Landbird Migratory Stopover | | |
| Temporary Laydown Area | Raptor Wintering Areas | | |
| | Wetland Communities | | |

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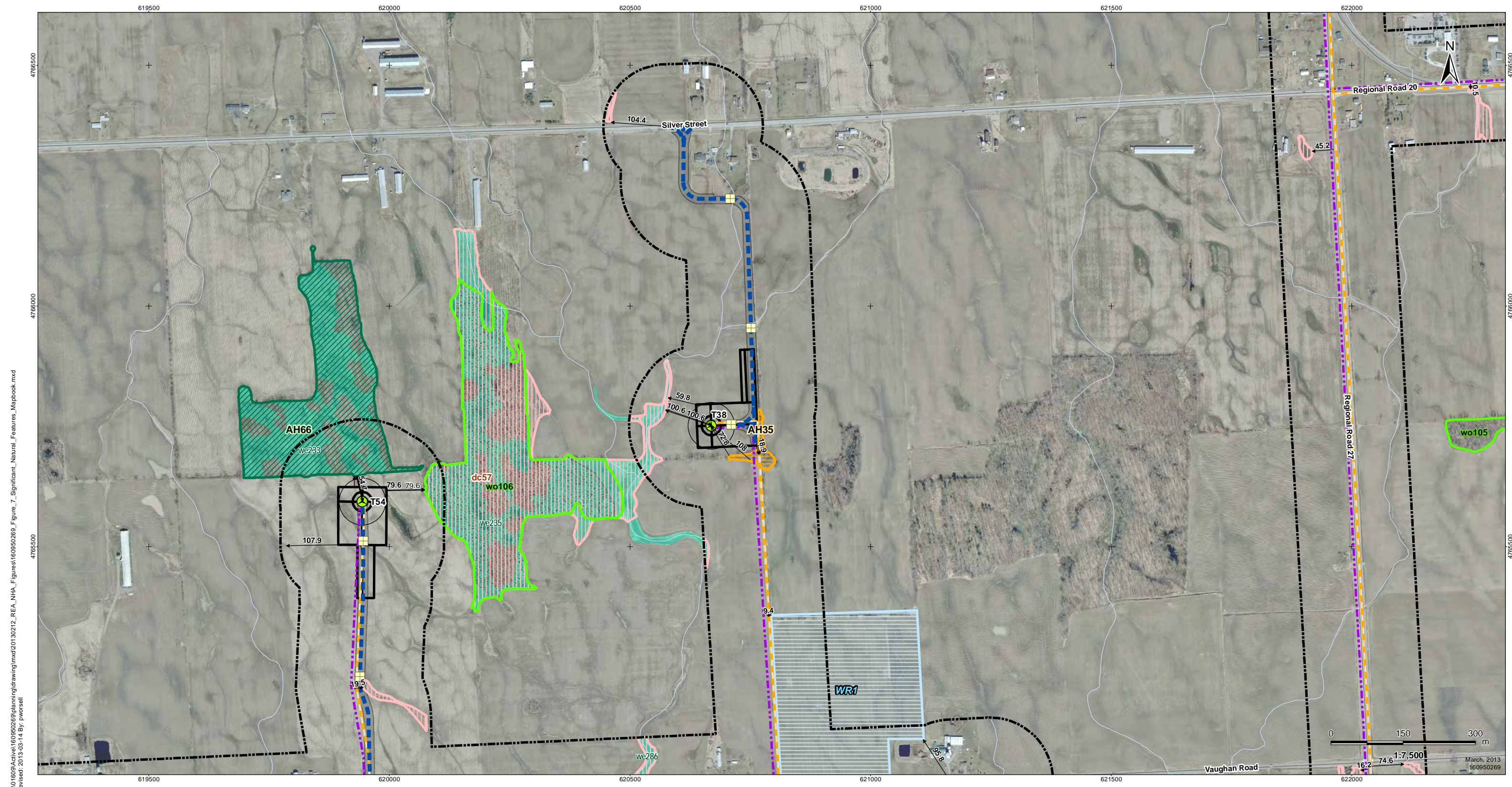


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 Niagara Region Wind Corporation
 Natural Heritage Assessment Report

Figure No.
 7.24

Title
Significant Natural Features
Figure 7.24

March, 2013
 160950269



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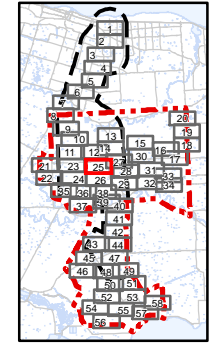


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| <ul style="list-style-type: none"> Project Study Area Interconnector Study Area 120m Zone of Investigation Proposed Turbine Location Turbine Blade Length Tap-in Location Junction Box Proposed Culvert Preferred Transmission Line Route Alternate Transmission Route Temporary Laydown Area | <ul style="list-style-type: none"> Collector Lines – Underground or Overhead Fibre Optic Line Potential Access Road Access Road 20m Construction Area Potential Construction Laydown Area Transformer Substation Snake Hibernacula Snake Hibernacula 30m Buffer Landbird Migratory Stopover Raptor Wintering Areas Wetland Communities | <ul style="list-style-type: none"> Other Rare Vegetation Community Woodland Amphibian Breeding Habitat Wetland Amphibian Breeding Habitat Woodland Communities ANSI, Earth Science, Provincially Significant ANSI, Life Science, Provincially Significant ANSI, Life Science, Regionally Significant Niagara Escarpment Protection Area Greenbelt Natural Heritage System | <ul style="list-style-type: none"> Turtle Nesting Habitat/Snapping Turtle Habitat Turtle Habitat 30m Buffer Turtle Wintering Area Generalized Habitat Snake Hibernacula Generalized Wildlife Habitat Deer Congregation Areas (MNR) (Generalized) Bat Maternity Colonies |
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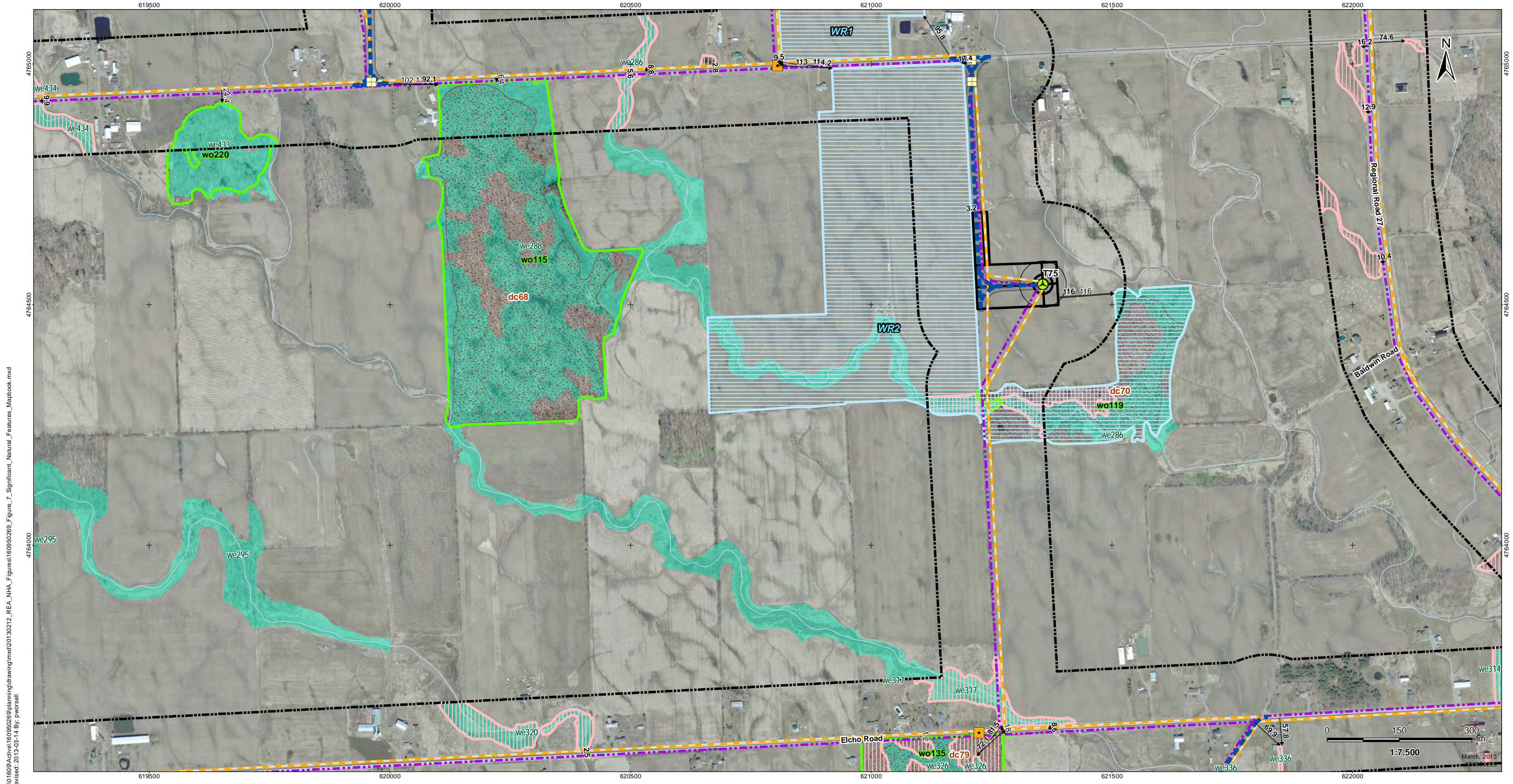
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Figure No.
 7.25

Title
Significant Natural Features
Figure 7.25



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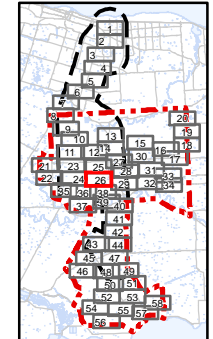


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| Project Study Area | Collector Lines – Underground or Overhead | Other Rare Vegetation Community | Turtle Nesting Habitat/Snapping Turtle Habitat |
| Interconnector Study Area | Fibre Optic Line | Woodland Amphibian Breeding Habitat | Turtle Habitat 30m Buffer |
| 120m Zone of Investigation | Potential Access Road | Wetland Amphibian Breeding Habitat | Turtle Wintering Area |
| Proposed Turbine Location | Access Road 20m Construction Area | Woodland Communities | Generalized Habitat |
| Turbine Blade Length | Potential Construction Laydown Area | ANSI, Earth Science, Provincially Significant | Snake Hibernacula |
| Tap-in Location | Transformer Substation | ANSI, Life Science, Provincially Significant | Generalized Wildlife Habitat |
| Junction Box | Significant Wildlife Habitat | ANSI, Life Science, Regionally Significant | Deer Congregation Areas (MNR) (Generalized) |
| Proposed Culvert | Snake Hibernacula | Niagara Escarpment Protection Area | Bat Maternity Colonies |
| Preferred Transmission Line Route | Snake Hibernacula 30m Buffer | Greenbelt Natural Heritage System | |
| Alternate Transmission Route | Landbird Migratory Stopover | | |
| Temporary Laydown Area | Raptor Wintering Areas | | |
| | Wetland Communities | | |

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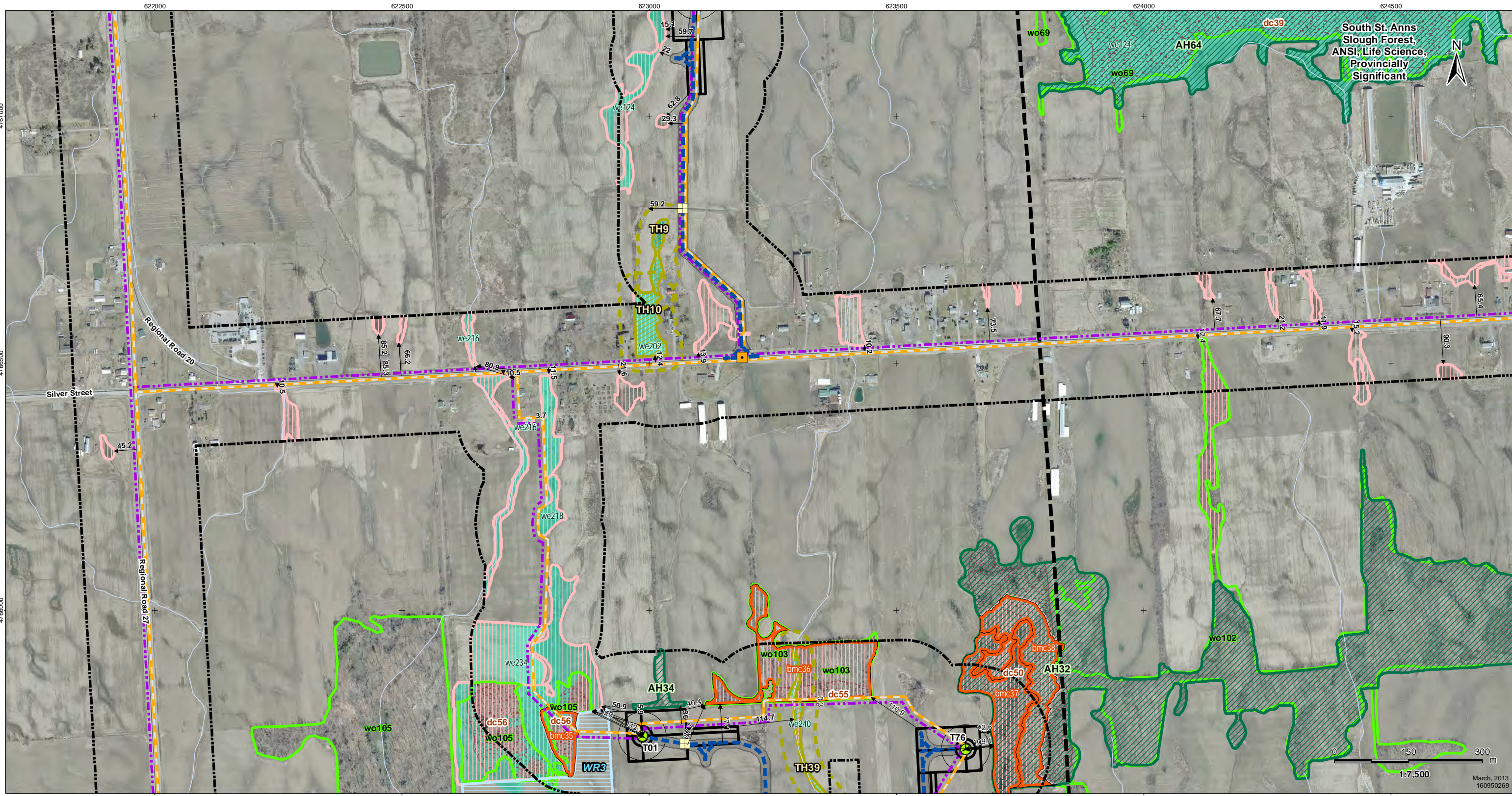


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 Niagara Region Wind Corporation
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Figure No.
 7.26

Title
Significant Natural Features
Figure 7.26

March, 2013



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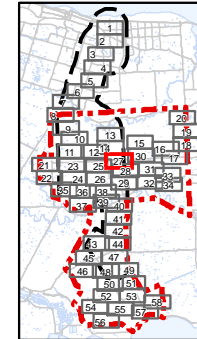


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| | Project Study Area | | Collector Lines – Underground or Overhead | | Other Rare Vegetation Community | | Turtle Nesting Habitat/Snapping Turtle Habitat |
| | Interconnector Study Area | | Fibre Optic Line | | Woodland Amphibian Breeding Habitat | | Turtle Habitat 30m Buffer |
| | 120m Zone of Investigation | | Potential Access Road | | Wetland Amphibian Breeding Habitat | | Turtle Wintering Area |
| | Proposed Turbine Location | | Access Road 20m Construction Area | | Woodland Communities | | Generalized Habitat |
| | Turbine Blade Length | | Potential Construction Laydown Area | | ANSI, Earth Science, Provincially Significant | | Snake Hibernacula |
| | Tap-in Location | | Transformer Substation | | ANSI, Life Science, Provincially Significant | | Generalized Wildlife Habitat |
| | Junction Box | | Significant Wildlife Habitat | | ANSI, Life Science, Regionally Significant | | Deer Congregation Areas (MNR) (Generalized) |
| | Proposed Culvert | | Snake Hibernacula | | Niagara Escarpment Protection Area | | Bat Maternity Colonies |
| | Preferred Transmission Line Route | | Snake Hibernacula 30m Buffer | | Greenbelt Natural Heritage System | | |
| | Alternate Transmission Route | | Landbird Migratory Stopover | | | | |
| | Temporary Laydown Area | | Raptor Wintering Areas | | | | |
| | | | Wetland Communities | | | | |

Notes

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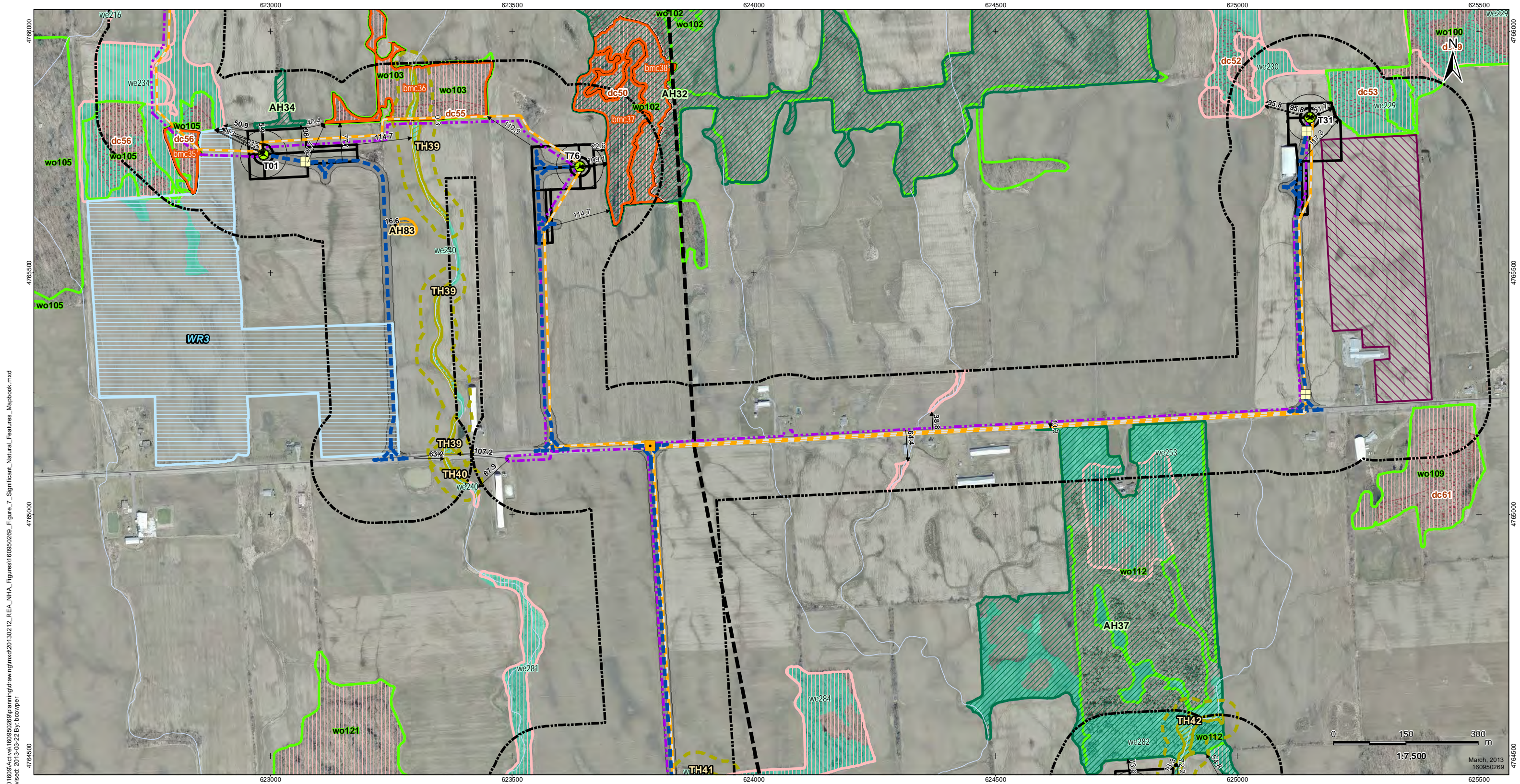


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Figure No.
 7.27

Title
Significant Natural Features
Figure 7.27

March, 2013
 160950269



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 Revised: 2013-09-22 By: bowper

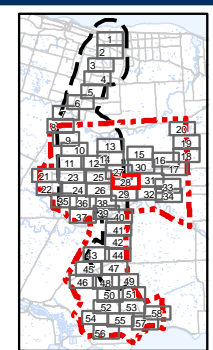


Legend

- | | | | |
|-----------------------------------|---|---|--|
| Project Study Area | Collector Lines – Underground or Overhead | Other Rare Vegetation Community | Turtle Nesting Habitat/Snapping Turtle Habitat |
| Interconnector Study Area | Fibre Optic Line | Woodland Amphibian Breeding Habitat | Turtle Habitat 30m Buffer |
| 120m Zone of Investigation | Potential Access Road | Wetland Amphibian Breeding Habitat | Turtle Wintering Area |
| Proposed Turbine Location | Access Road 20m Construction Area | Woodland Communities | Snake Hibernacula |
| Turbine Blade Length | Potential Construction Laydown Area | ANSI, Earth Science, Provincially Significant | Generalized Wildlife Habitat |
| Tap-in Location | Transformer Substation | ANSI, Life Science, Provincially Significant | Deer Congregation Areas (MNR) (Generalized) |
| Junction Box | Significant Wildlife Habitat | ANSI, Life Science, Regionally Significant | Bat Maternity Colonies |
| Proposed Culvert | Snake Hibernacula | Niagara Escarpment Protection Area | |
| Preferred Transmission Line Route | Snake Hibernacula 30m Buffer | Greenbelt Natural Heritage System | |
| Alternate Transmission Route | Landbird Migratory Stopover | | |
| Temporary Laydown Area | Raptor Wintering Areas | | |
| | Wetland Communities | | |

Notes

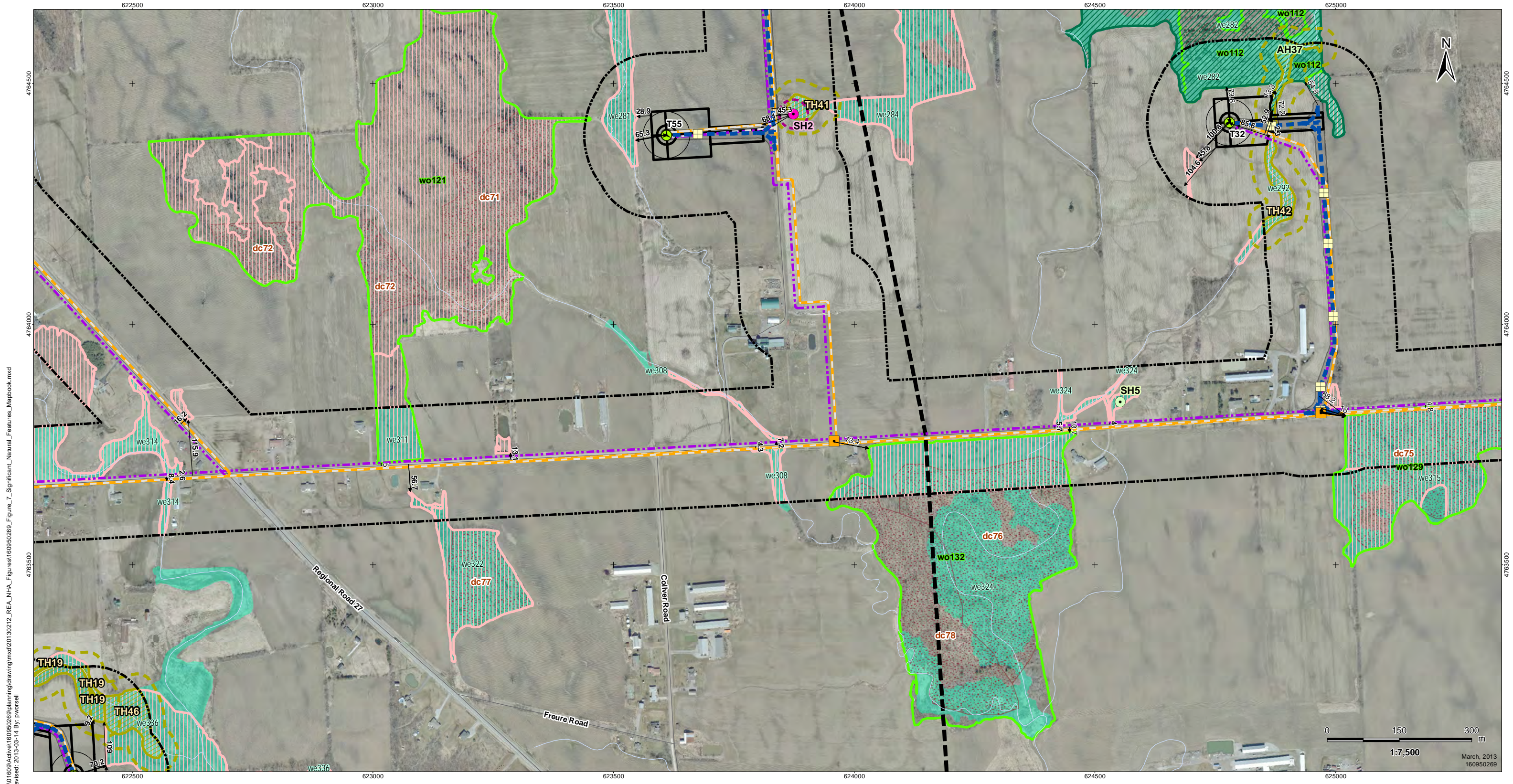
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Figure No.
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Title
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 Revised: 2013-03-14 By: pwersell

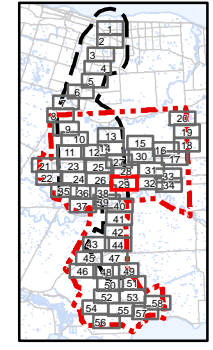


Legend

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|-----------------------------------|---|---|--|
| Project Study Area | Collector Lines – Underground or Overhead | Other Rare Vegetation Community | Turtle Nesting Habitat/Snapping Turtle Habitat |
| Interconnector Study Area | Fibre Optic Line | Woodland Amphibian Breeding Habitat | Turtle Habitat 30m Buffer |
| 120m Zone of Investigation | Potential Access Road | Wetland Amphibian Breeding Habitat | Turtle Wintering Area |
| Proposed Turbine Location | Access Road 20m Construction Area | Woodland Communities | Generalized Habitat |
| Turbine Blade Length | Potential Construction Laydown Area | ANSI, Earth Science, Provincially Significant | Snake Hibernacula |
| Tap-in Location | Transformer Substation | ANSI, Life Science, Provincially Significant | Generalized Wildlife Habitat |
| Junction Box | Significant Wildlife Habitat | ANSI, Life Science, Regionally Significant | Deer Congregation Areas (MNR) (Generalized) |
| Proposed Culvert | Snake Hibernacula 30m Buffer | Niagara Escarpment Protection Area | Bat Maternity Colonies |
| Preferred Transmission Line Route | Landbird Migratory Stopover | Greenbelt Natural Heritage System | |
| Alternate Transmission Route | Raptor Wintering Areas | | |
| Temporary Laydown Area | Wetland Communities | | |

Notes

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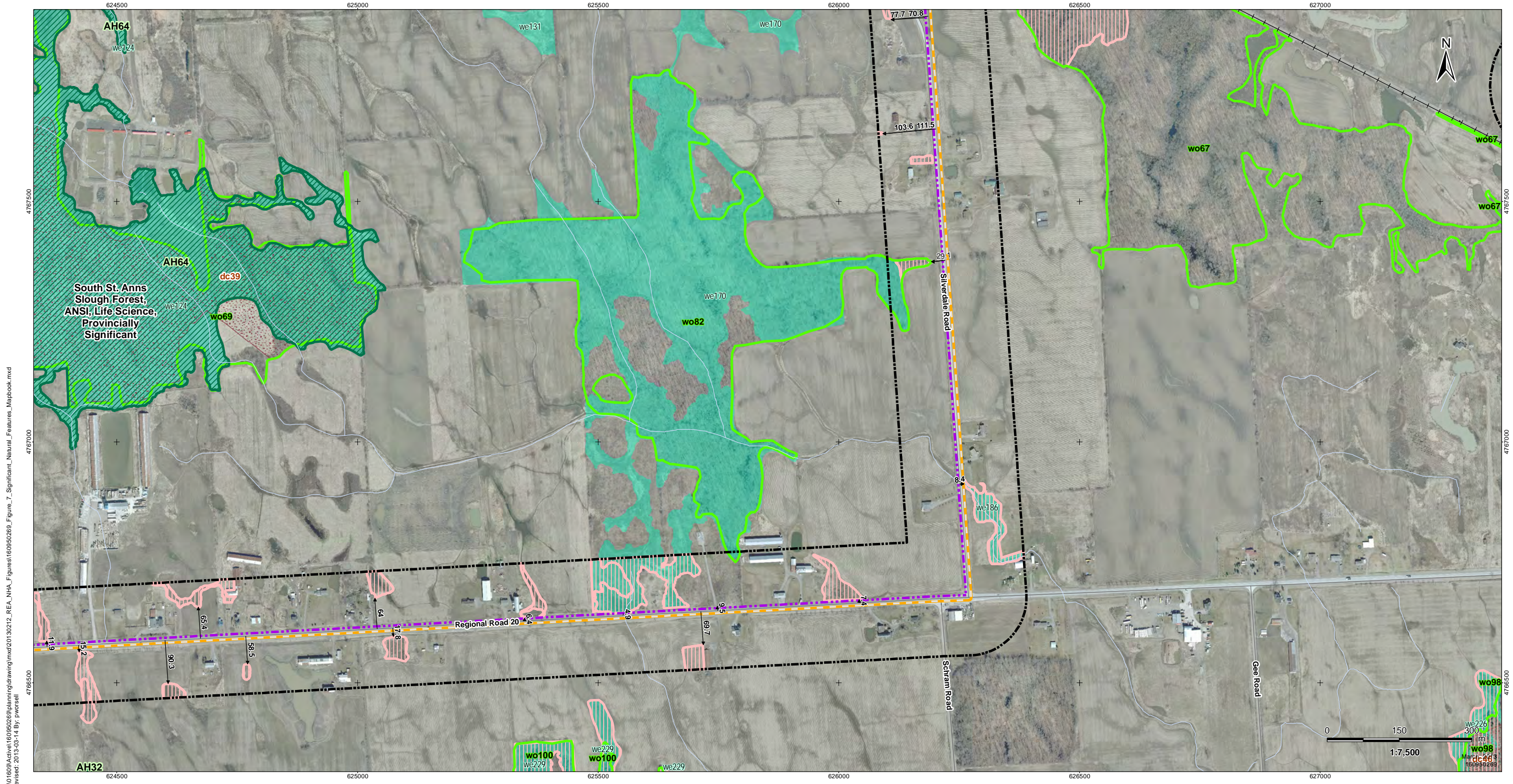


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Figure No.
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Title
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Figure 7.29

March, 2013
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 Revised: 2013-03-14 By: p.worsell

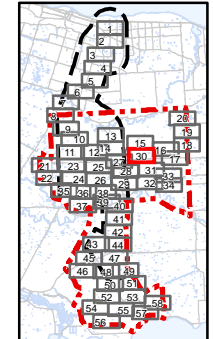


Legend

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|--|-----------------------------------|--|---|--|---|--|--|
| | Project Study Area | | Collector Lines – Underground or Overhead | | Other Rare Vegetation Community | | Turtle Nesting Habitat/Snapping Turtle Habitat |
| | Interconnector Study Area | | Fibre Optic Line | | Woodland Amphibian Breeding Habitat | | Turtle Habitat 30m Buffer |
| | 120m Zone of Investigation | | Potential Access Road | | Wetland Amphibian Breeding Habitat | | Turtle Wintering Area |
| | Proposed Turbine Location | | Access Road 20m Construction Area | | Woodland Communities | | Generalized Habitat |
| | Turbine Blade Length | | Potential Construction Laydown Area | | ANSI, Earth Science, Provincially Significant | | Snake Hibernacula |
| | Tap-in Location | | Transformer Substation | | ANSI, Life Science, Provincially Significant | | Generalized Wildlife Habitat |
| | Junction Box | | Significant Wildlife Habitat | | ANSI, Life Science, Regionally Significant | | Deer Congregation Areas (MNR) (Generalized) |
| | Proposed Culvert | | Snake Hibernacula 30m Buffer | | Niagara Escarpment Protection Area | | Bat Maternity Colonies |
| | Preferred Transmission Line Route | | Landbird Migratory Stopover | | Greenbelt Natural Heritage System | | |
| | Alternate Transmission Route | | Raptor Wintering Areas | | | | |
| | Temporary Laydown Area | | Wetland Communities | | | | |

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