Samsung Renewable Energy Inc. and

Pattern Energy

3 Design and Operations Report

For

South Kent Wind Project

HATCH™

Samsung Renewable Energy Inc. and
Pattern Energy

3 - Design and Operations Report

For

South Kent Wind Project

H335806-0000-07-124-0006
Rev. 3
April 25, 2012

Report Revisions

Section	Report Date: September 2, 2011	Report Date: February 23, 2012 – Revised Content	Report Date: April 25, 2012 – Revised Content
1.1	Samsung Renewable Energy and Pattern Energy (hereinafter referred to as the "Proponent") are jointly proposing to develop the South Kent Wind Project, a 270 MW wind energy project (the "Project"), which will be located within the Municipality of Chatham-Kent in southwestern Ontario. The Project is located south of Highway 401 between the towns of Tilbury and Ridgetown, to the west and east respectively. The Project is proposed to be 270 MW in size, using Siemens wind turbine technology, supporting infrastructure, including access roads, buried cables, overhead collector lines, a 230 kV transmission line and two (2) substations are required to step-up the voltage from 34.5 kV to 230 kV to enable connection to the Chatham Switching Station (SS).	Samsung Renewable Energy and Pattern Energy (hereinafter referred to as the "Proponent") are jointly proposing to develop the South Kent Wind Project, a 270 MW wind energy project (the "Project"), consisting of approximately 127 operational wind turbines, as well as supporting infrastructure including access roads, construction and turnaround areas, and buried and/or overhead collection/transmission lines. The collection/ transmission line will include approximately 34 km of 239 kV transmission line and two (2) substations to enable step-up of the voltage from 34.5 kV to 230 kV to connect to the Chatham Switching Station (SS). The project area is located in the Municipality of Chatham-Kent in southwestern Ontario. The Project is located south of Highway 401 between the towns of Tilbury and Ridgetown, to the west and east respectively.	Samsung Renewable Energy and Pattern Energy (hereinafter referred to as the "Proponent") are jointly proposing to develop the South Kent Wind Project, a 270 MW wind energy project (the "Project"), consisting of approximately 124 operational wind turbines, as well as supporting infrastructure including access roads, construction and turnaround areas, and buried and/or overhead collection/transmission lines. The collection/ transmission line will include approximately 34 km of 239 kV transmission line and two (2) substations to enable step-up of the voltage from 34.5 kV to 230 kV to connect to the Chatham Switching Station (SS). The project area is located in the Municipality of Chatham-Kent in southwestern Ontario. The Project is located south of Highway 401 between the towns of Tilbury and Ridgetown, to the west and east respectively.
1.1	Construction of the Project will commence once the Renewable Energy Approval ("REA") has been obtained. The construction period is estimated to be approximately fifteen to eighteen months in duration, with Project commissioning anticipated in the first quarter of 2013.		Construction of the Project will commence once the Renewable Energy Approval ("REA") has been obtained. The construction period is estimated to be approximately fifteen to eighteen months in duration, with Project commissioning anticipated in the first quarter of 2014.

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2.2	• Natural heritage features can be found in the Natural Heritage Records Review Report (NRSI, 2010a), Natural Heritage Site Investigation Report (NRSI, 2010b) and Natural Heritage Evaluation of Significance Report (NRSI, 2010c) for the Project. • Water bodies can be found in the Water Body Records Review Report (NRSI, 2010d) and the Water Bodies Site Investigation Report (NRSI, 2010e) for the Project. • Potential archaeological resources can be found in the Stage 1 and Stage 2 Archaeological Assessments completed by ASI (2011) for the Project.	• Natural heritage features can be found in the Natural Heritage Records Review Report (NRSI, 2010a), Natural Heritage Site Investigation Report (NRSI, 2010b) and Natural Heritage Evaluation of Significance Report (NRSI, 2012c) for the Project. • Water bodies can be found in the Water Body Records Review Report (NRSI, 2012d) and the Water Bodies Site Investigation Report (NRSI, 2012e) for the Project. • Potential archaeological resources can be found in the Stage 1 and Stage 2 Archaeological Assessments completed by ASI (2012a, b, c) for the Project.	
2.3	For the details of the noise assessment, please refer to the Noise Report (Hatch, 2011).	For the details of the noise assessment, please refer to the Noise Report (Hatch, 2012).	
3.1	Name Plate Capacity: 2.221 MW and 2.126 MW	Name Plate Capacity: 2.221 MW, 2.126 MW, and 1.903 MW	
3.3.1.1	Dimensions for all three areas are found in Table and shown in figure below.	An example of these laydown areas along with dimensions are found in the table and figure shown below.	
3.3.1.1	All three areas will be cleared and the topsoil stockpiled and seeded with quick sprouting grass if necessary to prevent wind erosion.	The laydown areas will be cleared and the topsoil stockpiled and seeded with quick sprouting grass if necessary to prevent wind erosion.	

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3.4	Under the current and expected layout, the eastern zone contains approximately 69 turbines feeding Railbed substation, while the western zone contains approximately 55 turbines feeding Sattern substation.	Under the current proposed layout, the eastern zone contains approximately 68 turbines feeding Sattern substation, while the western zone contains approximately 59 turbines feeding Railbed substation.	
3.4	General information are provided below.	General information is provided below.	
3.4.3	The collection system will bring 34.5 kV collector circuits together at 34.5 kV to the 230/34.5 kV step up substations which will be surrounded by a sound a barrier that is 5 to 6 m tall.	The collection system will bring 34.5 kV collector circuits together at 34.5 kV to the 230/34.5 kV step up substations which will be surrounded by a sound a barrier that is 5 to 9 m tall.	
3.4.3	The substation buildings (or E-houses) will accommodate:	The substation control buildings will accommodate:	
3.4.5.3 (3rd Bullet)	SCADA and control cabinets in each of the two substation E-house buildings.	SCADA and control cabinets in each of the two substation control buildings.	
3.5	Since the transformer station will have a granular base and therefore rainwater will percolate into the gravel and ground, stormwater issues are not anticipated.	Since the two main step-up transformer stations (Sattern and Railbed) will have a granular base, rainwater will percolate into the gravel and ground; as such stormwater issues are not anticipated at these locations. A secondary containment is provided around the main step-up transformer in the substation to catch any leaked or spilled oil. Standard operating procedure is to inspect this collection area after any rain prior to allowing rainwater out. If any sheen is detected by the operator, appropriate collection and disposal methods are pursued and this water is	

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		not allowed out of the containment area.	
Table 5.1: Wildlife Communities, Potential disturbance or mortality of bird populations, Mitigation Measures	Operational controls may be considered upon consultation with MNR if mortality thresholds detailed in MNR's "Birds and Bird Habitats – Guidelines for Wind Power Projects" October 2010 are exceeded.	Operational controls may be considered upon consultation with MNR if mortality thresholds detailed in MNR's "Birds and Bird Habitats – Guidelines for Wind Power Projects" December 2011 are exceeded.	
Table 5.1: Wildlife Communities, Potential disturbances or mortality of bat populations, Mitigation Measures	Operational controls may be considered upon consultation with MNR if mortality thresholds detailed in MNR's "Bats and Bat Habitats – Guidelines for Wind Power Projects" March 2010.	Operational controls may be considered upon consultation with MNR if mortality thresholds detailed in MNR's "Bats and Bat Habitats – Guidelines for Wind Power Projects" July 2011.	
Table 5.1: Wildlife Communities, Potential disturbances or mortality of bat populations, Residual Negative Effect	Impacts are anticipated to be negligible given that bats within the region appear to be tolerant of wind turbines (James 2008 and MNR 2006).	Sentence removed.	
Table 5.2: Mortality of Birds and Bats, Monitoring Plan Frequency	Monitoring to occur every three (3) days during the following periods: (, and May 1 through October 31st for birds and additional November 1 to November 30 for raptor species and May 1 through September 30 for bats).	Monitoring to occur every three to four (3-4) days during the following periods: and May 1 through October 31st for birds and additional November 1 to November 30 for raptor species and May 1 through September 30 for bats.	
Table 5.2: Mortality of Birds and Bats, Monitoring Plan Rationale	Protocols used for methodology to follow MNR's "Bats and Bat Habitats – Guidelines for Wind Power Projects" March 2010, MNR's "Birds and Bird Habitats – Guidelines for Wind Power Projects" October 2010, and EC's "Recommended	Protocols used for methodology to follow MNR's "Bats and Bat Habitats – Guidelines for Wind Power Projects" December 2011, MNR's "Birds and Bird Habitats – Guidelines for Wind Power Projects" July 2011, and EC's "Recommended	

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	Protocols for Monitoring Impacts of Wind Turbines on Birds" Final – February 19, 2007.	Protocols for Monitoring Impacts of Wind Turbines on Birds" Final – February 19, 2007.	
Table 5.2: Mortality of Birds and Bats, Contingency Measures	Contingency measure to be implemented should the mortality threshold meet any of the following as per MNR bird and bat guidelines: • 18 birds/turbine/year	Contingency measure to be implemented should the mortality threshold meet any of the following as per MNR bird and bat guidelines: • 14 birds/turbine/year	
Table 5.2: Mortality of Birds and Bats, Contingency Measures	• 2 raptors/entire wind energy project/year	Contingency measure removed.	
Table 5.2: Avoidance of bat population (habitat), Monitoring Plan Locations	Visual monitoring to occur at identified significant bat habitat and acoustic monitoring to occur at 12 locations determined to be significant bat habitat.	Visual monitoring to occur at identified significant bat habitat and acoustic monitoring to occur at locations determined to be significant bat habitat following 2012 surveys.	
Table 5.2: Avoidance of bat population (habitat), Monitoring Plan Frequency	To occur in conjunction with bat mortality monitoring (May 1 through September 30) starting on the first spring after construction is completed.	To occur in conjunction with bat mortality monitoring. Each maternity roost within 120m of a turbine will be surveyed once during June	
Table 5.2: Avoidance of Bird Population		Potential Negative Effect (Avoidance of Bird Population) Removed.	
7.2	Of the turbines in which the adjacent property owner has not entered into a contract with the proponent, none are less than 59 m (i.e.,, blade length plus 10 m) from a neighbouring property line and 46 are within 59 m to 99.5 m of a neighbouring property line.	Of the turbines in which the adjacent property owner has not entered into a contract with the proponent, none are less than 59 m (i.e.,, blade length plus 10 m) from a neighbouring property line and 44 are within 59 m to 99.5 m of a neighbouring property line.	

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7.2	Ten of these turbines have two adjacent properties within 59 m to 99.5 m and one turbine has three adjacent properties within 60 m to 100 m. Table 7.1 provides a list of the turbines and the distance from the turbine to the property line.	Ten of these turbines have two adjacent properties within 59 m to 99.5 m and one turbine has three adjacent properties within 59 m to 99.5 m. Table 7.1 provides the distances and orientation of turbines located within 59 m to 99.5 m of a neighbouring property line.	
Title of Table 7.1	Table 7.1: List of Turbines Located Within 59 m to 99.5 m of a Neighbouring Property and Distance to Property Line	Table 7.1: Distance and Orientation of Turbines Located Within 59 m to 99.5 m of a Neighbouring Property	
Table 7.1		Distance and orientation of turbines within 59 to 99.5 m of a neighbouring property have changed.	
7.2	It was determined that, with the exception of that adjacent to P125, all of the neighbouring properties' land use was agricultural (crop cultivation).	It was determined that, with the exception of the property adjacent to P125, all of the neighbouring properties' land use was agricultural (crop cultivation).	
7.2.1.2	The following sections provide the results of the property line setback analysis, including the distances and orientation of the 46 turbines located within 59 m to 99.5 m of a neighbouring property; a description of the adjacent features/land use (including the presence of any structures); identification of potential adverse effects to nearby businesses, infrastructure or land use; and proposed preventative measures for any adverse effects.	Paragraph has been removed.	

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7.2.1.2	All of this data will be useful in determining the potential for ice formation and ice throw.	All of this data will be used in determining the potential for ice formation and ice throw.	
7.2.2.1	While wind turbine can collapse and blade loss can occur, both are rare events.	While wind turbines can collapse and blade loss can occur, both are rare events.	
8		References Section has been updated.	
Appendix A		Site Plan Figures have been replaced.	
Appendix B		Location of Noise Receptors Table (Appendix B) has changed.	

Project Report

April 25, 2012

Samsung Renewable Energy Inc. and Pattern Energy
South Kent Wind Project

Design and Operations Report

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1. Introduction

1.1 Background

Samsung Renewable Energy and Pattern Energy (hereinafter referred to as the "Proponent") are jointly proposing to develop the South Kent Wind Project, a 270 MW wind energy project (the "Project"), consisting of approximately 124 operational wind turbines, as well as supporting infrastructure including access roads, construction and turnaround areas, and buried and/or overhead collection/transmission lines. The collection/transmission line will include approximately 34 km of 239 kV transmission line and two (2) substations to enable step-up of the voltage from 34.5 kV to 230 kV to connect to the Chatham Switching Station (SS). The project area is located in the Municipality of Chatham-Kent in southwestern Ontario. The Project is located south of Highway 401 between the towns of Tilbury and Ridgetown, to the west and east respectively.

Construction of the Project will commence once the Renewable Energy Approval ("REA") has been obtained. The construction period is estimated to be approximately fifteen to eighteen months in duration, with Project commissioning anticipated in the first quarter of 2014. It is anticipated that the Project will be operational for at least 20 years, after which it may be decommissioned if no arrangement for further use is determined.

1.2 Objective and Scope

The Design and Operations Report ("the Report") is required as a part of an application for all renewable energy projects that must submit in order to obtain a REA permit under Ontario Regulation (O. Reg.) 359/09, as amended under O. Reg. 521/10 (January 2011) – Renewable Energy Approvals Under Part V.0.1 of the Act. The Report needs to clearly define the following:

- the site plan
- the design of the Project and the equipment
- operational protocols
- environmental effects, monitoring and mitigation
- management of emergencies and communications.

The Report also functions as a communication tool for Aboriginal, public, agency and municipal consultation. A draft of the Design and Operations Report must be made public 60 days prior to the second public consultation meeting in accordance with Section 16 of O. Reg. 359/09 and provided to the Aboriginal communities at least 60 days prior to the second public consultation meeting.

The Report is structured as follows:

- Section 2 provides the site plan and describes the Project location features
- Section 3 provides the plan for the Project design including a description of the Project components
- Section 4 describes the operation plan
- Section 5 provides the environmental effects monitoring plan for the operation of the Project

- Section 6 describes the emergency response and communications procedures planned for the Project.
- Section 7 provides the property line setback assessment report information.

2. Site Plans

2.1 Project Components

A requirement of the Report is to illustrate all project components within the Project location. Appendix A of this report includes maps of the Project, including site plans with Project components, cultural/natural features, water bodies, and noise receptors. The maps illustrate:

- existing buildings and proposed structures
- existing transportation routes and proposed access roads
- crane pad and erection areas
- turbine locations
- collector system on individual land parcels and existing road ROWs
- transformer / substation locations
- transmission routes
- noise receptors.

These drawings outline the required information as stipulated in the Technical Bulletin Two – Guidance for Preparing the Design and Operations Report and in Table 1 of O. Reg. 359/09. The project is not located on or within 125 m of any protected properties and heritage resources. Archaeological assessments have been completed for all Project components, and locations that require Stage 3 and potentially Stage 4 assessments have been identified and will be completed prior to construction as per the guideline.

The following items are not applicable to the Project:

- groundwater and surface water supplies
- anything that discharges contaminants into the air (i.e., flares, vents, stacks)
- works that collect, transmit, treat, or dispose of sewage.

2.2 Cultural/Natural Features and Water Bodies

As stated above, Appendix A contains the site plans for each turbine and the distribution/transmission corridor which outlines the locations of the cultural features, natural features and waterbodies and associated setbacks. A description of the specific features can be found as follows:

- Natural heritage features can be found in the Natural Heritage Records Review Report (NRSI, 2010a), Natural Heritage Site Investigation Report (NRSI, 2010b) and Natural Heritage Evaluation of Significance Report (NRSI, 2012c) for the Project.
- Water bodies can be found in the Water Body Records Review Report (NRSI, 2012d) and the Water Bodies Site Investigation Report (NRSI, 2012e) for the Project.
- Potential archaeological resources can be found in the Stage 1 and Stage 2 Archaeological Assessments completed by ASI (2012a, b, c) for the Project.

2.3 Noise Receptors

A Noise Report has been completed in accordance with requirements as provided in O. Reg. 359/09, Technical Bulletin Two - Guidance for Preparing the Design and Operations Report and Noise Guidelines for Wind Farms (MOE – October 2008). This includes the definition of a noise receptor in O. Reg. 359/09 . The Noise Report reflects all setback requirements as required under O. Reg. 359/09. For the details of the noise assessment, please refer to the Noise Report (Hatch, 2012). Appendix A contains a figure from the Noise Report showing the locations of the noise receptors and separate tables with UTM coordinates of the noise receptors.

3. Project Design Plan

3.1 Turbine Technical Specifications

The proposed turbines are summarized below, with specific details found within the Wind Turbine Specification Report and Noise Assessment Report that is part of the overall REA application package.

Make and Model	Siemens SWT-2.3-101
Name Plate Capacity	2.221 MW, 2.126 MW, and 1.903 MW
Total Tower Height (with blade)	150.0 m
Hub Height above grade	99.5 m
Blade Length	49 m
Rotor Diameter	101 m
Swept Area	8012 m^2
Rotational Speeds:	6-16 rpm

3.2 Layout

The layout design is conducted to meet all setbacks as defined in O. Reg. 359/09, Technical Bulletin Six – Required Setback for Wind Turbines. As described in Section 2.3 of this Report, a noise study has been completed to ensure that in addition to meeting the setback requirements, the layout is noise compliant.

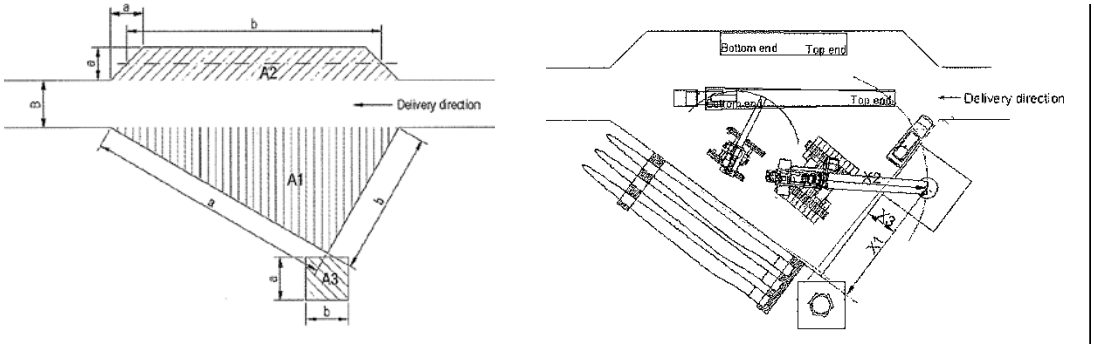
3.3 Civil Components

3.3.1 Crane Pads, Access Roads and Crossings (Road, Rail, Drains)

3.3.1.1 Crane Pads

Around each turbine location a construction area, a laydown area and an assembly area are required. These areas are necessary for equipment delivery, temporary storage and turbine assembly and are specified by the wind turbine manufacturer, Siemens. An example of these laydown areas along with dimensions are found in the table and figure shown below.

Area	Description	Area (m^2)	Dimension a x b (m)	Bearing Capacity (kN/m^2)	Maintenance
A1	Construction area	938	50 x 37.5	200	Permanent
A2	Lay down area	340	7 x 48.5	200	Temporary
A3	Assembly Area	81	9 x 9	100	Temporary



These areas will be designed to achieve suitable bearing capacities in accordance with Siemens specifications and the appropriate codes, standards and industry practice.

The laydown areas will be cleared and the topsoil stockpiled and seeded with quick sprouting grass if necessary to prevent wind erosion. The construction and lay down areas will then be covered with a layer of gravel. At the end of the construction period, the gravel will be removed and the topsoil will be restored for continued crop production. The compacted soil under the crane pad will remain in place as a base for the crane pad in case of turbine maintenance.

3.3.1.2 Equipment Laydown

Turbine equipment shall be delivered directly to each erection area. Equipment shall be laid down on native topsoil that has been cleared of vegetation.

3.3.1.3 Access Roads

The construction of new access roads will be necessary to support construction activities and will provide access to the Project location during the operation phase of the Project. The proposed 5 - 6 m wide access road will be designed with a suitable base material and a finished surface of granular 'A' material, sourced from a local aggregate quarry. Geo-grid and geotextile fabric will be incorporated into designs where necessary. The thickness of the access road granular base and top course material will be designed to achieve suitable bearing capacities. Depending on construction timing, soil stabilization materials may be used as a means of minimizing granular material use. Soil stabilization is the term for the road construction method where lean concrete is dug into the soil and then compacted, upon which a thin layer (approx 100 mm) of granular is overlain.

The road will be designed with ditches, swales and culverts, where necessary, for proper storm water run-off, site drainage and to minimize road and soil erosion. The topsoil and subsoil will be removed prior to the placement of the granular base. The use of gravel will maintain permeability to avoid impacts on storm water flow and will minimize dust generation to reduce water use for dust control during construction. Design of roads, culverts, swales, and ditches as necessary will be in accordance with OPSS regulations and local municipal engineering guidelines. In particular instances, a truck turnaround area will be incorporated into the access road layout. Figure 3.1 shows the dimensions and layout of the turnaround. These will be located at the majority of the proposed turbine locations and will be built using the same method as the access roads.

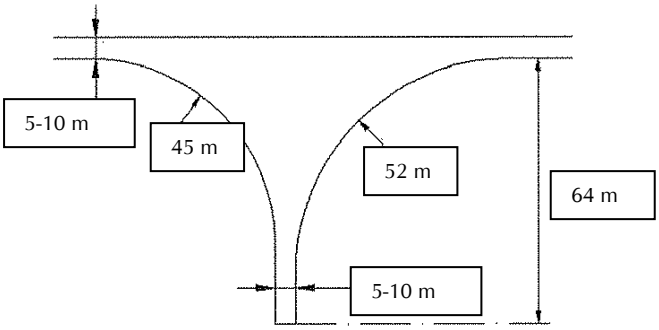


Figure 3.1 Truck Turn-Around Area Schematic

The Project location is on fairly level ground and has adequate drainage. Based on site visits and preliminary studies, major alteration in the existing drainage pattern for the proposed Project is not anticipated.

3.3.2 Foundations

3.3.2.1 Foundation Loads

Design loads exerted onto the top of the foundation are the responsibility of the turbine/tower manufacturer. The design loads will be compatible with the analysis requirements of the governing codes and appropriate for the site. It is assumed that the given loads can occur in any direction.

3.3.2.2 Geotechnical Investigations

To provide a basis for quantification of foundation type, a program to sample and test boreholes at the turbine and substation sites across the Project will be completed. Laboratory testing will be done to determine soil properties to enable design of the wind turbine and electrical equipment foundations. As well, a Multichannel Assessment of Surface Waves (MASW) survey will be conducted to determine the dynamic properties for foundation design.

3.3.2.3 Foundation Type

The preferred system is a spread-footing type foundation founded on overburden of suitable properties. Shallow gravity foundations for wind turbines are octagonal or circular type footings of 16 m to 21 m in diameter. The depth of the foundation base is often about 2.5 m below the ground surface. Depending on local site conditions determined by the geotechnical investigations, some sites may require steel piles down to the bedrock (approx 20 m below the ground surface) to support the foundation.

3.3.2.4 Earthquake Loads

The load data above does not include site-specific seismic loads. These loads will be provided in the final geotechnical report.

Material resistance factors of 0.85 for reinforcing steel and 0.65 for concrete will be used.

3.3.2.5 Calculation Methodology

The foundation will be checked under operational loads so that under any condition the base of the foundation will always be in compression. The foundations will also be checked for sliding, overturning stability, bearing capacity, and rotational stiffness under extreme loads.

3.3.2.6 Trenches for Cable and Instrumentation Control

Trenches will be excavated for underground electrical cabling. Trenches will have a sand base layer below and above the cabling, and will be backfilled with excavated, or suitable imported material in accordance with Ontario Electrical Safety Code. The layout of the trenches will be such that it will have minimum impact on the existing drainage. Trenches will typically be 1 m deep by 0.5 m wide and will be excavated by using a 'ditch-witch' plough, or similar equipment. Where necessary, high density polyethylene (HDPE) or PVC conduits of suitable diameter will be provided to cross roads Steel conduit of suitable diameter will be provided to cross train tracks.

3.3.3 Drainage System

Based on site visits and preliminary assessments, it is expected that the natural drainage patterns within the Project location will not be affected. A 30 m setback will occur from the high water mark of existing watercourses. Existing designs will incorporate existing drainage patterns, swales and other drainage features.

All subsurface drainage tiles broken during construction will be repaired; therefore, restoring pre-construction subsurface water flows.

3.4 Electrical Equipment

The Project is designed to generate 270 MW using Siemens SWT-2.3-101 turbines. The turbines have been de-rated to 2.221 MW or less in order to meet noise regulations. The Project includes two (2) substations. A 34.5 kV electrical collection system (overhead and underground) will be collected into a substation, in both the eastern and western zones of the Project. Under the current proposed layout, the eastern zone contains approximately 68 turbines feeding Sattern substation, while the western zone contains approximately 59 turbines feeding Railbed substation. Each substation has a transformer to step-up the voltage from 34.5 kV to 230 kV. A 230 kV transmission line will connect the two substations to the 230 kV HONI Chatham SS. General information is provided below.

3.4.1 Wind Turbine Generators (WTG)

The 60 Hz Wind Turbine Generators supplied by Siemens are asynchronous generators. Generators are connected to the AC collector system through an AC/DC/AC converter. Voltage output of the power converter is at 690 V AC, with a power factor range of 0.9 leading to 0.9 lagging. Voltage is then stepped up from 690 V AC to 34.5 kV through a unit step up transformer located in the base of each WTG.

3.4.2 Collection System (34.5 kV)

The WTG collection system consists of all equipment and cables which collect the power from each WTG and transmit the power to the two substations (Sattern and Railbed).

The WTG collection system will operate at a voltage of 34.5 kV and will be include unit step up transformers located at the base of each WTG, distribution switches, underground collection lines, and/or overhead collection lines and associated equipment as applicable.

The WTG transformers are pad-mount oil filled units. The 690 V winding of the transformers have solidly grounded neutral Wye configuration. The 34.5 kV winding of the transformers are connected in delta configuration.

Underground cables shall be suitable for direct burial with sand or native backfill. Cable sizing is chosen as appropriate for the configuration, dependent upon generated power of each segment as well as voltage drop considerations.

The collection system also includes fibre optic cabling for SCADA and control communication between WTG Units, meteorological tower and substation buildings in each of the two substations. The fibre optic cabling follows the power cables routes, either direct buried or strung overhead on the pole line, as applicable.

The collection system also includes grounding conductors. Grounding conductors are sized to take into account both electrical and mechanical strength requirements.

3.4.3 34.5 kV to 230 kV Substations

The collection system will bring 34.5 kV collector circuits together at 34.5 kV to the 230/34.5 kV step up substations which will be surrounded by a sound a barrier that is 5 to 9 m tall. The substations are referred to as Sattern and Railbed Substations.

The interface substation buildings will be prefabricated self supporting skid mounted buildings installed on concrete footings to accommodate bottom entry of the power cables into the MV switchgear. The substation control buildings will accommodate:

- 34.5 kV switchgear in accordance with the requirements of the single line diagram
- protection and control equipment
- communication equipment
- SCADA equipment
- DC battery, battery charger and DC power distribution equipment
- UPS and AC Power distribution equipment.

The following electrical equipment shall be installed outdoors at each of the intermediate substations:

- 34.5/230 kV, 3 Ph, 60 Hz step up transformers. These transformers shall have two stages of fan cooling, and shall be rated 95/125/160 MVA. The transformers shall have grounded Wye configuration on the primary and secondary windings.
- 230 kV circuit breakers
- CTs / VTs for metering and protection and control
- Lightning and surge arrestors

- Protective relaying equipment
- Communication equipment
- SCADA equipment
- Revenue metering
- DC battery, battery charger and DC power distribution equipment
- UPS and AC Power distribution equipment
- Motorized, three phase disconnect switches
- Station service transformer.

The station service transformer is connected to HONI rural distribution, and is pole mounted. Other outdoor equipment associated with station service transformer will include a fused cutout, surge arrestor, fused disconnect and metering provided by a registered Metering Service Provider (MSP).

The substations shall each be equipped with the grounding systems designed and installed per requirements of Ontario Electrical Safety Code (OESC). The ground resistance is such that under all soil conditions that could exist in practice shall limit the potential rise of all parts of the substation to 5000 V and the touch and step voltage shall not exceed the tolerable values as specified in OESC. All equipment installed at the substations is connected to the substation grounding grid.

For details on the noise barrier please refer to Section 5 of the Noise Assessment Report, dated July 21, 2011.

3.4.4 Revenue Metering

Revenue metering shall be supplied, maintained and installed by a registered Meter Service Provider ("MSP"). Metering and installation shall conform to the IESO market rules. The metering equipment shall be located on a separate property controlled by the proponent outside of the Chatham SS near the terminus of the 230 kV transmission line.

3.4.5 Protection, Control and SCADA Considerations

3.4.5.1 General

All Protection and control shall be designed in accordance with the Ontario Energy Board's Transmission System Code requirements.

The turbine supplier will provide the SCADA system for each wind turbine which shall be linked to the substations through a fibre-optic link running alongside the collector system. In addition to being used for onsite project operations, the communication system will ensure that parties involved in operating and / or monitoring the Project have access to all data that they require. There will be 3 SCADA systems, namely: HONI SCADA, wind turbine SCADA and station SCADA. Detailed list of signals required by each party will be defined in the detailed design phase. Participants requiring information will be as follows:

- Owner site Operations and Maintenance (O&M) personnel
- Owner Remote Operation Centre

- WTG Supplier 24 hr Remote Operation Centre
- WTG Supplier on-site service center (if required)
- Hydro One Networks Inc (HONI) - Transfer Trip, Generator End Open, and other signals. Signals will be sent using leased telephone line and/or other approved methods. Details will be provided as detailed engineering proceeds.
- IESO - Metering and status information as determined by completed SIA report.

3.4.5.2 Protective Relaying

Protective relaying shall be provided in accordance with Ontario Transmission Code, CIA/SIA requirements and single line diagram. Double protection is incorporated where applicable. Protection required shall include but not be limited to:

- anti-islanding protection
- HV line protection: line differential current, overcurrent, directional overcurrent, distance, over and under frequency protection
- MV collector protection: line differential current, overcurrent, directional overcurrent, over and under frequency protection
- transformer protection: differential current, overcurrent, ground fault, plus gas pressure relays, oil and winding temperature devices
- other protection as required for installed buses and other equipment
- protective relaying shall be fully redundant (A and B systems) and consist of both main and alternate relays. Alternate relays shall be of a different manufacturer from main relays.

3.4.5.3 SCADA and Control

SCADA and control systems will allow the operator to monitor and control the behaviour of each WTG as well as the wind farm as a whole. From each turbine, the SCADA system will monitor energy output, availability, information received from sensors in the WTG, alarm signals and any other information as required. Control system will be used to implement any requirements for voltage or frequency control, reactive power production or operation in general. (For example to curb power production at the request of the system operator or to shut down the turbine in dangerous weather conditions.) SCADA and control systems will consist of:

- fibre optic network connecting all WTGs with their associated intermediate substation
- SCADA and control cabinets in each of the WTGs. Each SCADA cabinet shall be equipped to allow for termination of fibre optic cable.
- SCADA and control cabinets in each of the two substation control buildings. Each SCADA cabinet shall be equipped to allow for termination of fibre optic cable.
- data collection cabinet and Fibre Optic interface at the meteorological tower
- software as required to allow for all required communication and data processing.

3.4.6 Transmission Lines

Project will consist of three segments of 230 kV overhead line, one from each of Sattern and Railbed Substations to a tie point, and then one line from that tie point to a metering station; and one 230 kV line from the metering station to HONI owned Chatham SS. The 230 kV lines will be approximately 18 km and 9 km in length to the tie point, and 8 km from the tie point to Chatham SS (230 kV existing station owned by HONI). All transmission lines shall be constructed in accordance with the following:

- CSA 22.3 No.1 – Overhead Systems
- IEEE 5.24 – Guide to the installation of Overhead Transmission Line Conductors
- IESO Market Rules
- OEB Transmission System Code
- HONI standards as applicable.

3.4.7 Materials

3.4.7.1 Insulation

- Equipment supplied is required to pass the standard insulation withstand tests as described in ANSI/IEEE C37.90

3.4.7.2 Grounding

- Grounding conductors shall be stranded, medium hard drawn, bare copper conductors of 2/0AWG minimum conductor size.
- Ground rods shall be 3/4in in diameter and be 10ft long. Material shall be copper welded on steel sections.
- Galvanised steel ground mats shall be supplied for all disconnect and ground switch operator locations throughout the collector system and in the substations. These mats shall be used for potential gradient control and connected to the grounding system.
- Grounding connections shall be made by means of approved exothermic process or approved bolted pressure or compression type connectors. Locations that will become inaccessible after construction, such as buried connections or connections encased in concrete, shall have exothermic connections.
- The termination of ground conductor interconnection in the 230 kV equipment areas shall be carried out using detachable connection or test links to facilitate the isolation of individual ground grids for measurement and tests.

3.4.7.3 Cables

- Cable intended for direct burial shall be armoured multi strand Aluminum conductor suitable for direct burial. Cable voltage rating is 35 kV.
- Repaired cables shall not be accepted.
- All cables shall be CSA certified and marked as such.

- All cables entering or leaving terminal boxes shall be provided with separate terminations so that any cable can be removed and replaced without disturbing the other cables in the box.
- All control conductors shall be individually identified at each end. These markers shall be clearly stamped to indicate numbering shown on schematic and interconnection diagrams.
- All control cable shall be 10AWG minimum for current transformer secondaries and No.14AWG minimum for all other applications.

3.4.8 Electrical Field Testing and Commissioning

After installation, all electrical services and installations shall be tested in accordance with the supplier's recommendations. Field testing shall be conducted by the contractor in the presence of the Owner's Representative. Tests shall be sufficient to ensure that the equipment has been properly installed and adjusted to perform intended function. Tests shall include but not be limited to:

- visual inspections and mechanical tests relating to complete and correct assembly, tightness of bolted connections, and correct placement and alignment
- electrical test of continuity of wiring, insulation resistance testing of installed wiring
- high potential testing of energized components of power equipment rated above 600 V
- grounding resistance tests on each substation
- power distribution system checks, including phasing tests
- calibration and setting of relay protective devices, temperature indicators, alarms and similar devices
- system performance test for intrusion alarm system (if applicable), fire alarm and detection system, and telephone and communication systems
- functional testing shall be carried out in accordance with HONI standard practice and the requirements of the applicable COVER(s) (the latter is the interconnecting utilities test document).

3.5 Stormwater Management/Erosion and Sediment Control

Drainage channels may be required along access roads to manage run-off. The design of the drainage channels/swales will be in accordance with industry standards and completed during the detailed design of the Project. Since the two main step-up transformer stations (Sattern and Railbed) will have a granular base, rainwater will percolate into the gravel and ground; as such stormwater issues are not anticipated at these locations. A secondary containment is provided around the main step-up transformer in the substation to catch any leaked or spilled oil. Standard operating procedure is to inspect this collection area after any rain prior to allowing rainwater out. If any sheen is detected by the operator, appropriate collection and disposal methods are pursued and this water is not allowed out of the containment area.

It is not anticipated that erosion and sedimentation will be a concern during operations since all exposed soil will be revegetated. Therefore, an Erosion and Sediment Control Plan will not be necessary.

The entire site, with the exception of the access roads, will be re-vegetated with native grass or other suitable ground cover to promote surface water infiltration/uptake, prevent erosion and provide wildlife habitat. It is not anticipated that erosion and sedimentation will be a concern during operations since all exposed soil will be revegetated. Therefore, an Erosion and Sediment Control Plan will not be necessary. For details regarding stormwater management and erosion control during the construction phase of the project, please reference the Construction Plan report..

3.6 Water Taking and Supply

The Project requires water during operation for washroom facilities in the O & M building located at the Railbed substation, and potential cleaning of the turbines. It is anticipated that the rain and snow will generally be sufficient for this purpose; if not, the Proponent will contact local suppliers to provide water in tankers from off-site sources. No chemicals will be used in the event cleaning is deemed to be required.

For the washroom facilities water will be supplied by tankers or obtained through the municipal water lines located on Seventh Line. Sewage will be disposed of via a septic system or held in tanks to be trucked to the sewage treatment facility.

4. Project Operations Plan

The Project will be controlled and monitored remotely via computer, with a team of locally based turbine technicians conducting routine maintenance and repairs. In addition, the Project will maintain a minimum of one (1) full-time person to coordinate ongoing maintenance and emergency response. The operations will be managed such that on-site activities will generally be limited to mostly scheduled maintenance. Activities that may occur during the operational phase of the Project include:

- periodic travel (daily – weekly) of personnel (18-22 persons) via passenger truck to and from individual wind turbine sites
- additional maintenance travel of heavy trucks or mobile cranes as required to maintain or repair equipment
- field monitoring for impacts to bird and bat populations three (3) years of operation as required under the regulations
- field monitoring related to performance measurement.

In order to operate the wind turbines safely and efficiently, wind speed, wind direction, temperature, barometric pressure, voltage, current, power, and other data will be collected and recorded in real time and stored in a database accessible by trained operators for operational monitoring purposes.

Climatic events such as high wind events, and extreme icing conditions, and cold weather will result in turbine shutdowns as per the turbine specifications until such time as the conditions leading to shutdown return to an acceptable state for continued operation. In order to monitor climatic events a meteorological tower will be installed on site, and anemometers will be installed on the nacelles of the wind turbines. If it is determined that high winds are a significant hazard, the operator could shut down the turbine(s). Each turbine will have vibration sensors, particle and oil sensors to monitor the specific turbine components.

Certain temperature and humidity conditions (generally those hovering around 0°C) can lead to ice formation on any building surface including wind turbines, their towers and blades. As with ice separating from buildings and falling to the ground, after an icing event, ice can be thrown off a wind turbine and land upwards of 275 m from its base under certain conditions (for example high wind speeds). It is conservatively estimated that icing conditions can occur upwards of 10 times per year. The closest distance between a participating residence and wind turbine is 380 m, well in excess of the maximum throw distance.

Operationally, ice is not desirable on a wind turbine and can cause inefficiency, machine imbalances, additional noise, loading and vibrations. The Siemens wind turbines proposed for the Project have multiple sensors to detect ice build-up including efficiency monitoring, excessive vibrations and imbalances and will automatically trigger a machine shutdown if the parameters are out of safe operating range. In addition, the machines will not be restarted until they are inspected and are determined to be free of ice build-up. If a machine is ever attempted to be restarted with ice build-up, the automatic protective systems will not allow restart and provide protection for the

equipment and personnel. In final, the operator also has an inclement weather procedure which dictates the safe working practices that are required to be followed if ice build-up is suspected.

In addition, the climatic conditions in the area will be monitored by an independent meteorological mast and if icing conditions exist, the operator will take appropriate actions, which may include shutting down the turbines.

Operator logs will be kept in the control room/on site and retained for not less than 5 years following the year in which they were written. The logs will record:

- switching operations
- operator observations of extreme weather and WTG response, functioning or any related wind farm operations concern
- thrown ice finds and their location
- observations from the SCADA systems on electrical equipment readings, alarms, change of status
- communications with regulatory bodies (e.g., IESO, MOE)
- calls to/from municipal authorities (police, fire, EMS), landowners and stakeholders, media
- visits and deliveries.

Other operator log information related to environmental monitoring is described in Section 5. Additional shutdowns will occur in the event of electrical components operating outside of acceptable ranges of operation or for routine maintenance. The operation will be in accordance with OEB DSC, and TSC.

The facility will generate waste hydraulic and lubricating oils associated with turbine maintenance and operation as well as waste grease, batteries and air filters. Waste paper, cardboard, printing cartridges and domestic garbage will also be generated in the operation and maintenance building.

These waste materials will be separated and temporarily stored at the operation and maintenance facility in a secure area with appropriate secondary containment. MOE licensed private waste management companies will be contracted to collect and transport the waste off site to an MOE approved disposal and/or recycling facilityaccording to provincial and municipal requirements. There will be no on site disposal of waste at the wind energy facility.

The operating interface with Hydro One Network Inc. is a Standard Operating Procedure for which many of the requirements are defined by the Distribution Connect Agreement. The framework of the Standard Operating Procedure will be finalized when the DCA becomes available from HONI.

5. Environmental Effects Monitoring Plan

The Technical Bulletin for Preparing the Design and Operations Report requires that an environmental effects monitoring plan be prepared that will show how the negative environmental effects will be mitigated and monitored to comply with O. Reg. 359/09.

As per the Technical Bulletin, the environmental effects monitoring plan for the design and operations phase of the Project can be comprised of summary tables, text descriptions and references to other reports may be used. More specifically, the following are required:

1. a summary of all potential negative environmental effects caused by the project as given in the description of negative environmental effects in the Project Description Report
2. performance objectives for each potential negative effect, such that, if the performance objective is achieved, the effect will be substantially mitigated
3. a description of all mitigation strategies planned to achieve performance objectives
4. if there is an ongoing risk of potential negative environmental effects, a description of how the project will be monitored to ensure that mitigation strategies are meeting performance objectives
5. contingency measures will be provided should monitoring reveal that negative effects are continuing to occur.

With respect to requirement 1 above, several Project reports have determined and documented the potential negative environmental effects. These reports and the context of the potential negative environmental effects are as follows:

- Project Description Report – preliminary potential negative environmental effects for features within 300 m of the Project
- Construction Plan Report – potential negative environmental effects caused by construction activities for features within 300 m of the Project
- Noise Report - potential negative environmental effects caused by transformers and inverters during operations on the receptors
- Stage 1 & 2 Archaeological Assessment – potential negative effects to archaeological resources from construction activities
- Natural Heritage Environmental Impact Study - potential negative effects to significant natural heritage features within 120 m of the Project for construction, operation and decommissioning phases
- Waterbodies Environmental Impact Study - potential negative effects to waterbodies within 120 m of the Project for construction, operation and decommissioning phases.

A summary of the potential negative environmental effects due to operational activities and proposed mitigation measures is provided in Table 5.1.

With respect to requirements listed above, several Project reports have included environmental effects monitoring plans. These reports and the context of the monitoring plans are as follows:

- Natural Heritage Environmental Impact Study – monitoring requirements for natural features within 120 m of the Project for construction, operation and decommissioning phases
- Waterbodies Environmental Impact Study – monitoring requirements for waterbodies within 120 m of the Project for construction, operation and decommissioning phases.

Table 5.2 identifies:

- the potential negative effects that have an ongoing risk of occurrence throughout the operational period
- the performance objectives and mitigation strategies to address those effects
- monitoring protocols to confirm that performance objectives are being met and iv) contingency measures in the event that objectives are not being met, as identified in the reports listed above.

Table 5.2 also provides the monitoring plan for those environmental effects that were not included in the reports above, as per the definition of "environmental effects". These include potential effects to the social and economic environments.

Table 5.1 Summary of Potential Negative Environmental Effects and Proposed Mitigation Occurring During Operations Phase

Environmental Component	Sources of Negative Effect	Potential Negative Effect	Mitigation Measures	Residual Negative Effect
Vegetation Communities/ Wildlife Habitat	Changes in site topography, placement of Project components, access roads, ditches and other less pervious areas.	Increase in surface water runoff.	Native vegetation cover planted around Project components instead of agricultural crops. Ditches and drainage conveyance features installed during construction activities will remain in place.	Mitigation will minimize changes to stormwater runoff from the Project location.
	Accidental spills from hazardous materials.	Negative effects on vegetation and soil due to contamination.	Hazardous materials will not be kept t on-site unless kept in a secure (lock and key) location with appropriate secondary containment. The transformers at the substations will have secondary containment and padmount transformers will be monitored regularly Spill control kits will be stored on-site and in some maintenance vehicles. Spill response procedures will be implemented in the event of an accident.	Negligible – limited hazardous materials on-site, spills kits on-site and in maintenance vehicles, frequent inspections, remote monitoring and secondary containment at substation transformers will prevent releases to the environment in the event of a spill. No negative effects anticipated.
Wildlife Communities	Maintenance activities.	Disturbance of wildlife due to noise and human presence resulting in wildlife avoidance of Project location.	As the Project location is located on agricultural land that will still be active (but not within approximately 20 m of the turbine as limited by tower foundation), loss of wildlife habitat is negligible and as area will still be under active agriculture activities avoidance is anticipated.	None – Disturbance to wildlife due to maintenance activities is less than existing disturbance due to agricultural activities.
	Potential disturbance or mortality of bird populations	Avoidance of area or mortality of bird populations within the region	Bird use incorporated into layout of the Project (turbines place outside of identified significant breeding bird habitat, turbines placed at least 200 m apart, etc). Minimal strobe-lighting with infrequent flashes are to be used, within Transport Canada requirements. Cabling to be installed underground where possible. Bird flappers or diverters are to be installed in locations along any portion of cabling which runs above ground to prevent collision. Monitoring mortality post-construction for three (up to 3) years. Operational controls may be considered upon consultation with MNR if mortality thresholds detailed in MNR's "Birds and Bird Habitats – Guidelines for Wind Power Projects" December 2011 are exceeded.	Impacts are anticipated to be negligible as a result of avoidance of the turbines by birds due to a learned tolerance of wind turbines (Kinglsey and Whittam 2005). Minor occurrences of mortality may occur, though this is unlikely to affect the local bird populations. Landbirds (songbirds) are likely to make up the highest percentage of mortality as they were the predominate species in the area.
	Potential disturbances or mortality of bat populations	Disturbance or mortality of bat populations within the region	Turbines will not be placed within identified significant bat habitat. Turbines are to be placed at a minimum of one (1) km from the shoreline. Minimal strobe-lighting with infrequent flashes, as opposed to steady lighting, is to be used, as required by Transport Canada requirements. Operational controls may be considered upon consultation with MNR if mortality thresholds detailed in MNR's "Bats and Bat Habitats – Guidelines for Wind Power Projects" July 2011.	Relatively little is known about bat populations in Ontario, how bats interact with wind turbines, and what reported levels of mortality mean for bats.
Groundwater	Accidental spills from hazardous materials.	Adverse effects on groundwater quality due to contamination.	Hazardous materials will be kept in a secure location with appropriate secondary containment.. Substation transformers will have secondary containment and will be inspected regularly. Spill control kits will be stored on-site and in some maintenance vehicles. Spill response procedures will be implemented in the event of an accident.	Negligible – limited hazardous materials on site, spills kits on site and in maintenance vehicles and secondary containment substation transformers will prevent releases to the environment in the event of a spill. No negative effects anticipated.

Environmental Component	Sources of Negative Effect	Potential Negative Effect	Mitigation Measures	Residual Negative Effect
Surface Water, Aquatic Habitat and Biota	Accidental spills from hazardous materials.	Adverse effects on surface water quality due to contamination.	See mitigation measures for groundwater above.	See Negative Effects for Groundwater above.
	Erosion due to surface water runoff from the Project location.	Adverse effects on water quality and aquatic habitat in receiving waterbodies.	Dense vegetation cover in ditches on the Project location.	Negligible – provided mitigation is effective in preventing erosion and sedimentation.
	Changes to surface water quality and surface water runoff rate as a result of the Project.	Indirect effect to the aquatic biota and habitat in receiving waterbodies.	Proposed mitigation measures for surface water quality and surface water runoff is anticipated to be sufficient to prevent adverse effects on aquatic biota and habitat.	Negligible – mitigation anticipated to be effective in preventing residual negative effects.
Sound Levels	Noise emissions from transformers and substations.	Disturbances to nearby receptors due to noise emissions.	Substation locations were developed to meet sound levels established by the Ministry of the Environment (MOE). Installation of noise barrier around transformer and substation will be implemented to meet performance objectives as necessary.	Noise emissions are compliant with sound levels established by the Ministry of the Environment (MOE). No negative effect in anticipated.
	Noise emissions from turbines	Disturbances to nearby receptors due to noise emissions	Turbine layout was developed to meet sound levels established by the Ministry of the Environment (MOE) and is noise compliant. Monitoring turbines for any damage which may cause an increase in noise emissions. Repair turbines not in compliance with noise levels.	Noise emissions will meet provincial requirements at nearest sensitive receptors. No negative effect is anticipated.
Public and Project Personnel Safety	Installation of Project Components.	Installation of the turbine towers and associated infrastructure will result in a potential risk to the public and Project personnel should trespassing on-site occur.	Public access to the Project locations will be managed through the use of fences, gates, and any other necessary security procedures. Turbines will have foundation/structural design resistant to earthquakes and other environmental loadings. Turbine sensors will be used to detect high winds and ice build-up and will automatically trigger a machine shutdown if the parameters are out of safe operating range. Turbine lighting will be applied to preserve aviation safety. Location of turbines will be an appropriate distance from neighbouring dwellings as per the REA Regulation.	Minimal risk to public and project personnel safety.
Change in Visual Landscape	Installation of Project Components.	Installation of the Project components will result in a change to the local landscape. This may be perceived as a negative environmental effect; however visibility of turbines will vary from each receptor based on topography, atmospheric conditions, turbine lighting (night time visibility) and observer position.	There are limited opportunities to mitigate visual impacts given the height of the turbines and the landscape; however efforts will be made to minimize lighting on the turbines and within the project facility. Turbine lighting will include: red obstruction lighting at night in accordance with air traffic regulations. If required white obstruction lights will be used in lieu of pained stripes during the day; not all turbines will be required to be lit. All lights will be aimed vertically and will flash simultaneously .	Minimal visual disturbance at night. Daytime aesthetics of the turbine towers cannot be mitigated. Negative effects have been minimized to the extent possible.
Property Values	Installation of Project Components.	Installation of the Project components has the potential, though unproven, to result in a change in the value of nearby properties based on aesthetic preference of potential landowners. Though subjective, the potential reduction in property values for the purpose of this assessment is considered a potential negative effect.	No mitigation measures are proposed.	Potential reduction in property value.

Table 5.2 Environmental Effects Monitoring Plan – Design and Operations

Negative Effect	Mitigation Strategy	Performance Objective	Monitoring Plan					Contingency Measures
			Methodology	Monitoring Locations	Frequency	Rationale	Report Requirements	
Erosion and sedimentation.	Rehabilitation through seeding of disturbed areas with native seed mixes and/or placement of erosion control blanket is seeding is not "seasonally" possible.	No long-term erosion from site over and above existing conditions.	Visual monitoring of Project location to identify areas of erosion.	Throughout Project location.	During periodic maintenance activities.	Visual monitoring of erosion would identify potential areas of concern.	Reported in annual operational environmental monitoring report.	Erosion remediated as necessary to ensure no long-term erosion issues.
Mortality of bird and bats	Post-construction monitoring for three (up to 3) years during the spring and autumn migration period.	Minimize mortality of birds and bats and calculate mortality rate.	Observers will search the Project location on foot by conducting transects to a maximum of 50 m from the base of the turbine. All carcasses found will be identified. Scavenger removal and searcher efficiency trials will be conducted.	Monitoring to be conducted at 30% of the project turbines.	Monitoring to occur every three to four (3-4) days during the following periods: and May 1 through October 31st for birds and additional November 1 to November 30 for raptor species and May 1 through September 30 for bats.	Visual monitoring of carcasses, combined with searcher efficiency and carcass removal data will used to estimate mortality rates across the project area. Protocols used for methodology to follow MNR's "Bats and Bat Habitats – Guidelines for Wind Power Projects" December 2011, MNR's "Birds and Bird Habitats – Guidelines for Wind Power Projects" July 2011, and EC's "Recommended Protocols for Monitoring Impacts of Wind Turbines on Birds" Final – February 19, 2007.	Results of monitoring surveys will be provided to EC/MNR/MOE in an annual report.	Should mortality rates of either birds or bats be significantly higher than expected, a mitigation plan will be developed by the Proponent and presented to the relevant regulatory agency (EC for migratory birds, MNR for bats and any other bird species) for consultation. Contingency measure to be implemented should the mortality threshold meet any of the following as per MNR bird and bat guidelines: • 14 birds/turbine/year • 0.2 raptors (all species)/ turbine/year • 0.1 raptors (species of conservation concern)/turbine/ year • 10 birds at any one turbine • 33 or more birds at multiple locations • 10 bats/year/turbine(MNR 2010a and 2010b)
Avoidance of bat population (habitat)	Post-construction monitoring for three (3) years in June.	Determine bat activity at identified significant bat habitats. Identify species composition and abundance within the Project location.	Visual monitoring to occur for an hour starting at sunset, and acoustic monitoring to occur throughout the night.	Visual monitoring to occur at identified significant bat habitat and acoustic monitoring to occur at locations determined to be significant bat habitat following 2012 surveys.	To occur in conjunction with bat mortality monitoring. Each maternity roost within 120m of a turbine will be surveyed once during June	Protocols used for methodology to follow MNR's "Bats and Bat Habitats – Guidelines for Wind Power Projects" March 2010	Results of monitoring surveys will be provided to EC/MNR/MOE in an annual report, though regular contact will be maintained with the relevant agencies throughout the monitoring period.	Mitigation measures to address any significant negative effects that are observed would be developed by the Proponent and presented to the relevant regulatory agency (EC for migratory birds, MNR for other bird species) for consultation.

Negative Effect	Mitigation Strategy	Performance Objective	Monitoring Plan					Contingency Measures
			Methodology	Monitoring Locations	Frequency	Rationale	Report Requirements	
Potential for adverse surface water, groundwater and soil quality due to accidental spills.	Standard mitigation to prevent spills and minimize magnitude of spills that do occur. Installation of secondary containment around substation transformers. Spill kits in maintenance vehicles and key locations on site.	No long-term environmental effects due to spills.	Visual monitoring of spill prevention/mitigation measures during maintenance activities.	Throughout Project site where maintenance occurs and at transformer and substation locations.	During periodic maintenance.	Spill prevent and control measures to be monitored to ensure they are functioning as designed and protocols are being implemented as specified in plans to meet performance objectives.	Reported in annual operational environmental monitoring report.	Spill contingency measures implemented as necessary in the event of a spill. Following spill event, response will be reviewed to determine if additional or altered response protocols are necessary to meet performance objectives.
Noise levels disturbing nearby noise receptors.	Adherence to all noise setback requirements. Meteorological monitoring will occur daily in order to prevent and identify any damage caused by incremental weather.	To minimize noise emissions at nearby noise receptors to the provincial guideline values.	Sound level monitoring as per any requirement documented in the REA issued for the Project. Turbine will be monitored for any damage which may cause an increase in noise production. Repair or replace any damaged turbines whose noise level exceeds the regulatory limit. Concerns and complaints regarding noise emissions will be documented by the proponent.	At the closest sensitive receptors.	As per the frequency documented in the REA issued for the Project.	Auditory monitoring will confirm that noise emissions from the Project meet performance objectives. Monitoring of turbines will confirm any damage which may cause an increase in noise emissions.	Reported in annual operational environmental monitoring report.	If Project components are not meeting performance objectives with respect to noise emissions, a remediation plan will be implemented so as to ensure compliance.
Installation of the wind project components will result in a potential risk to the public and the Project personnel should trespassing on site occur.	Public access to the Project locations/components will be prevented through the use of fences, gates, and any other necessary security procedures.	Elimination of risk to public safety and Project personnel safety.	Site security monitoring will be ongoing to confirm adequacy of security measures.	Throughout the Project location and Project perimeter.	Ongoing.	Site security monitoring will identify any breech in Project security.	Incidents of trespassing or vandalism will be reported to local authorities. Internal reporting to be determined by Pattern.	Additional security measures will be implemented as required.

6. Emergency Response and Communications Plan

6.1 Emergency Response

The Project Emergency Response Plan will be implemented through all phases of the Project. The purpose of the plan is to establish and maintain emergency procedures required for effectively responding to accidents and other emergency situations, and for minimizing associated losses.

Potential emergency scenarios which could occur during the construction, operation and decommissioning phases include, fire, personal injury and spills incidents. The following provides the emergency response and communications procedures to be used in response to these three potential emergency scenarios.

All Project personnel will be trained in the following emergency response and communications procedures.

Note that during the operation of the Project, the Proponent will establish a 24-7 remote monitoring system to react to any Project specific emergencies. In the event of an emergency, the Proponent will mobilize its resources to the site to respond to the event.

6.1.1 Fire

Fire extinguishers will be located in strategic locations, such as Project vehicles and the substation electrical building. If a fire occurs, Project personnel will attempt to extinguish it, only if it is safe to do so. If there is any risk of personal injury, extinguishing the fire will not be attempted. If a fire cannot be extinguished using the hand held extinguishers, the relevant Project location will be evacuated and Project personnel will immediately call 911 to summon the local fire department (and ambulance if required). Project personnel will notify inhabitants at all adjacent properties, if the fire appears able to move off of the Project location. All staff on site during the life of the Project will be trained in the procedure to deal with a fire and the use of an extinguisher.

During operations, a visible sign will be erected near the front gate of the facility. The sign will include instructions to call 911 and to call a Project phone number should a passerby notice an emergency. In the event of an emergency, Project personnel at site will contact 911 and the Project Manager.

All incidents will be documented and kept on file. Documentation will include date of incident, date of reporting, name of reporter, description of the incident, cause of the incident, actions taken, communications to outside groups and internal personnel and follow-up required.

6.1.2 Personal Injury

Should a personal injury occur on site that does not require an ambulance, the injured worker will be taken to the local hospital if required. First aid supplies and maps to the local hospitals will be kept in the all operating facilities of the plant (E-House and O&M centre). A listing of the Project personnel trained in first aid/CPR will also be posted.

Should a personal injury occur on site that does require an ambulance, Project personnel will call 911 and assist the injured worker as required until emergency personnel arrive.

In all cases of personal injury, the Project Manager during the construction and decommissioning phases and the Proponent's Project Representative during operations will be notified immediately.

All incidents will be documented and kept on file. Documentation will include date of incident, date of reporting, name of reporter, name of injured, description of the incident, cause of the incident, actions taken, communications to outside groups and internal personnel and follow-up required, as required by Health and Safety Regulations.

6.1.3 Spills

The following spills procedures are as outlined in the Ministry of Environment's (MOE) "Spills Reporting – A Guide to Reporting Spills and Discharges" dated May 2007. Spills and the types of spills that require reporting are defined in the Ontario Environmental Protection Act and Ontario Regulation 675/98 Classification and Exemption of Spills and Reporting of Discharges.

Spills are the unintended release/discharge of material to air, land or water. The most likely decommissioning spill scenarios include: the release of sediments to water bodies, sewage from portable washrooms and hazardous materials (e.g., compressed gases and petroleum hydrocarbons) from containers or vehicles.

Spills prevention measures are documented in the Environmental Impact Studies report completed for the Project. Should a spill occur, the following will be implemented:

- Evaluate the scene for risks to human health and safety.
- Stop the spill, if it is safe to do so.
- If there is immediate danger to human health, contact 911 for assistance, and notify anyone who may be directly impacted or is in harm's way.
- During the construction and decommissioning phases notify the Project Manager of the incident, and notify the "Project Representative" during the operations phase.
- Contain and clean-up the spill, using on-site spill kit.
- If required, contact outside spill response contractor for assistance.
- Document and report the spill to outside agencies, as required.

A spill kit will be available on-site during the decommissioning phase and will contain equipment necessary for spills response. This will include absorbent pads, absorbent boom, polyethylene bags, neoprene gloves, protective goggles, plastic bin or metal drum, and multi-purpose granular sorbents.

Spills that could potentially occur during the life of the Project, and may need to be reported to the MOE include:

- non-approved releases/discharges (including those to land, air and water)
- discharge of fluids greater than 100 L from a vehicle
- mineral oil releases greater than 100 L from an electrical transformer
- discharges (including sediment) to water bodies.

The Ministry of the Environment Spills Action Centre phone number (1-800-268-6060) will be posted at the Project trailer.

Documentation for all spill incidents will be kept on file and sent to the Ministry of the Environment, as required. Documentation will include date of incident, date of reporting, name of reporter, description of the incident, cause of the incident, type and amount spilled, actions taken, disposal of contaminated material, communications to outside groups and internal personnel and follow-up required.

6.2 Communications Plan

During construction, a sign will be erected at site construction compound and during operations at site O&M building which will include a Project phone number (toll free) and website should the public have any questions, inquiries or complaints. All inquiries will be directed to the Proponent's Project Representative who will respond to the inquiry accordingly. All questions, inquiries and complaints will be logged electronically with the following information: date of question, inquiry or complaint, name, phone number, email address of the individual, response, date of response, and any follow-up issues.

During all phases of the Project should such conditions arise that the general public requires notification (such as Project changes requiring notifications), the public will be notified through newspaper and direct/general mailout, if required. Should agencies, such as the local municipality or the Ministry of the Environment, require notification, they will be sent the information directly by email, mail or telephone conversation. All communications will be documented and kept on file by the Proponent.

7. Property Line Setback Assessment

O.Reg. 359/09 provides specifications on distances from a turbine to a property line, road right of ways and railway right of ways. Section 53 of O. Reg. 359/09 states that turbine cannot be located less that the distance of turbine blade plus 10 m from a road or railway right of way which for this Project is 59 m. There are no road or railway right of ways less than 60 m from a turbine for the Project.

Section 53 of O. Reg 359/09 also states that a turbine cannot be installed less than the distance of the height of the turbine from a property line, unless the neighbouring property owner has an accommodating agreement with the proponent, or that the installed distance is equal to the length of the blade plus 10 m and a Property Line Setback Assessment Report is prepared. The Property Line Setback Assessment Report documents any potential adverse effects on nearby businesses, infrastructure, properties or land use activities. Further, this report provides preventative measures to reduce the risk for potential impacts.

As per Section 1.11 of Chapter 9 of the Technical Guide to Renewable Energy Approvals, the Property Line Setback Assessment Report information is contained in this Design and Operations Report.

The following information is provided to meet the requirements of the Property Line Setback Assessment Report.

7.1 Methodology

For this Project, the turbine hub height is 99.5 m and the blade length is 49 m. Therefore, the distance from the turbine to the property line used to determine if a Property Line Setback Assessment is required is between 59 m (blade length plus 10 m) and 99.5 m. As per Section 53 of O. Reg. 359/09, nearby businesses, infrastructure, properties and land use activities (including the presence of any structures) were then identified within this distance. Knowing the use of the neighbouring property, an assessment of the potential adverse effects was determined. Where a potential adverse effect has been identified, preventative measures are proposed.

7.2 Results

Of the turbines in which the adjacent property owner has not entered into a contract with the proponent, none are less than 59 m (i.e., blade length plus 10 m) from a neighbouring property line and 44 are within 59 m to 99.5 m of a neighbouring property line. With respect to infrastructure, one turbine (P125) is located approximately 87 m from a Canadian National (CN) rail line. Ten of these turbines have two adjacent properties within 59 m to 99.5 m and one turbine has three adjacent properties within 59 m to 99.5 m. Table 7.1 provides the distances and orientation of turbines located within 59 m to 99.5 m of a neighbouring property line.

Table 7.1 Distance and Orientation of Turbines Located Within 59 m to 99.5 m of a Neighbouring Property

P004 – 95m NE	P066 – 82m NE	P098 – 60m NW	P125 – 69m SW	P154 – 84m W
P012 – 89m SW	P067 – 91m NW	P099 – 76m SE	P125 – 70m N	P156 – 62m SW
P013 – 98m SW	P069 – 70m SE	P100 – 68m NE	P126 – 71m NW	P156 - 86m NE
P019 – 68m SW	P071 – 62m SE	P101 – 70m NW	P126 – 76m NE	P161 – 69m NE
P031 – 62m SW	P072 – 66m SE	P102 – 90m SW	P133 – 88m SW	P161 – 69m NW
P037 – 70m SW	P072 – 81m NE	P104 – 72m SW	P139 – 73 m SW	P161 – 87m SW
P041 – 62m NW	P074 – 63m W	P104 – 99m	P140 – 80m SE	P163 – 62m NE
P046 – 69m NW	P074 – 70m N	P109 – 78m NW	P148 – 96m NW	P176- 75m N
P061 – 82m SW	P080 – 77m SW	P111 – 73m SW	P149 – 68m NW	
P064 – 69m NE	P082 – 91m NW	P111 – 71m SE	P149 – 82m N	
P065 – 92m SW	P094 – 66m SE	P115 – 67m E	P150 – 94m S	
P066 – 78m SE	P097 – 70m SE	P121 – 68m SE	P154 – 72m E	

It was determined that, with the exception of the property adjacent to P125, all of the neighbouring properties' land use was agricultural (crop cultivation). P125 lies 87m from a portion of CN rail line that has been non-operational since the spring of 2011. There are no structures such as barns, storage buildings or stables located within 59 m to 99.5 m of any proposed turbine.

There are two situations which could cause an impact to the adjacent agricultural and rail line lands. These situations are ice throw and wind turbine collapse/blade loss.

7.2.1 Ice Throw

7.2.1.1 Potential Impacts

Where weather conditions permit (areas where temperatures can reach 0° C), temperature and humidity may produce ice accumulation on the wind turbine generator blades. Ice formed on the structure may be released during times when the facility is operating (blades are in motion), or not (blades are stationary). In the Project area specifically, ice throw is possible, and is considered to be a safety risk in the area of the turbine. Since ice throw occurs in the winter, there will be no damage to crops.

With respect to the rail line, as of Spring 2011, this portion of the rail line is abandoned. In addition, it is unknown as what the future land use will be. Therefore, there will be no adverse effects to the rail line due to ice throw as there is currently no use to this area. If the land use changes, adverse effects could occur depending on the future land use.

7.2.1.2 Preventative Measures

As discussed in Section 4, data such as wind speed, wind direction, temperature and barometric pressure will be collected and recorded in real time and stored in a database accessible by trained operators for operational monitoring purposes in order to operate the wind turbines safely. In addition, each turbine will have vibration sensors to monitor the specific turbine components. All of this data will be used in determining the potential for ice formation and ice throw.

In order to prevent ice throw, if the data collected indicates that ice is a high probability, the turbines have the ability to be shut down. In addition, the turbines can be shut down during extreme climatic events such as high winds, extreme icing conditions, and cold weather.

When restart is considered safe and no ice-shedding is confirmed, the turbine will be placed back into operation once the operator has fully inspected the blades.

7.2.2 Turbine Collapse and Blade Loss

7.2.2.1 Potential Impacts

While wind turbines can collapse and blade loss can occur, both are rare events. Turbine collapse and blade loss can be caused by extreme weather conditions or improper installation. Turbine collapse and blade loss in agricultural areas can temporarily damage crops when in cultivation (i.e., Spring, Summer and Fall).

With respect to the rail line, this portion of the rail line is abandoned and the future land use is unknown. Therefore, there will no adverse effects to the rail line due to turbine collapse and blade loss as there is currently no use. If the land use changes, adverse effects could occur depending on the future land use.

7.2.2.2 Preventative Measures

As discussed in Section 4, wind speed, wind direction, temperature, barometric pressure, voltage, current, power, and other data will be collected and recorded in real time and stored in a database accessible by trained operators for operational monitoring purposes in order to operate the wind turbines safely. In addition, each turbine will have vibration, particle and oil sensors to monitor the specific turbine components. This information collected can be used to potentially predict turbine collapse and blade loss.

In order to prevent turbine collapse and blade loss, turbines have the ability to be shut down during extreme climatic events such as high winds, extreme icing conditions, and cold weather as per the turbine specifications until such time as the conditions leading to shutdown return to an acceptable state for continued operation.

In addition, regular inspection and maintenance of the turbines and blades will alert staff to any potential issues that could cause collapse or blade loss. Measures, including turbine shutdown and/or repair will be implemented.

Should a turbine collapse or a blade be lost, both will be removed immediately to minimize the temporary loss of the land use.

8. References

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Appendix A

Site Plans

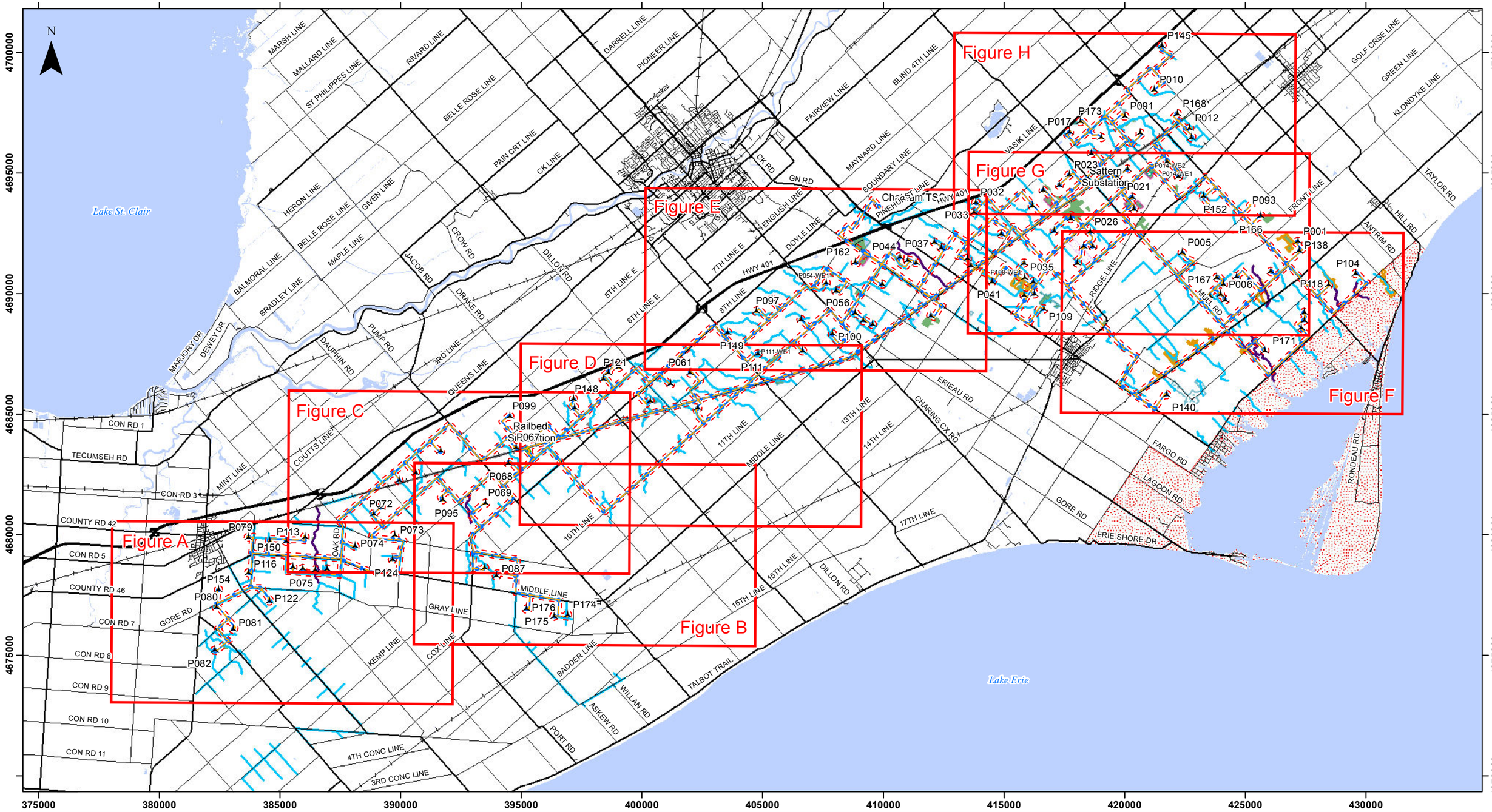

Figure A-H

South Kent Wind Project

Key Map

NATURAL RESOURCE SOLUTIONS INC.
Aquatic, Terrestrial and Wetland Biologists

0 1 2 4 km

April 23, 2012
Project No: NRSI-1184
UTM Zone 17, NAD 83
Scale: 1:150,000 (at 11x17")

Legend

- Project Area (April, 2012)
- Constructible Area
- Proposed Turbine (L020)
- Substation
- Cabling
- Access Road
- Railway
- Highway
- Primary Road
- Secondary Road
- Watercourse (NRSI)
- Waterbody
- Wetland Area (NRSI)
- Woodland (NRSI)
- Important Bird Area

Seasonal Concentration Areas
- Bat Maternity Roost

Habitat of Species of Conservation Concern
- Open Country Bird Breeding Habitat
- Habitat for Species Ranked S1-S3
- Area Sensitive Bird Breeding Habitat

Animal Movement Corridor
- Vegetated Drain Corridor
- Railbed Corridor

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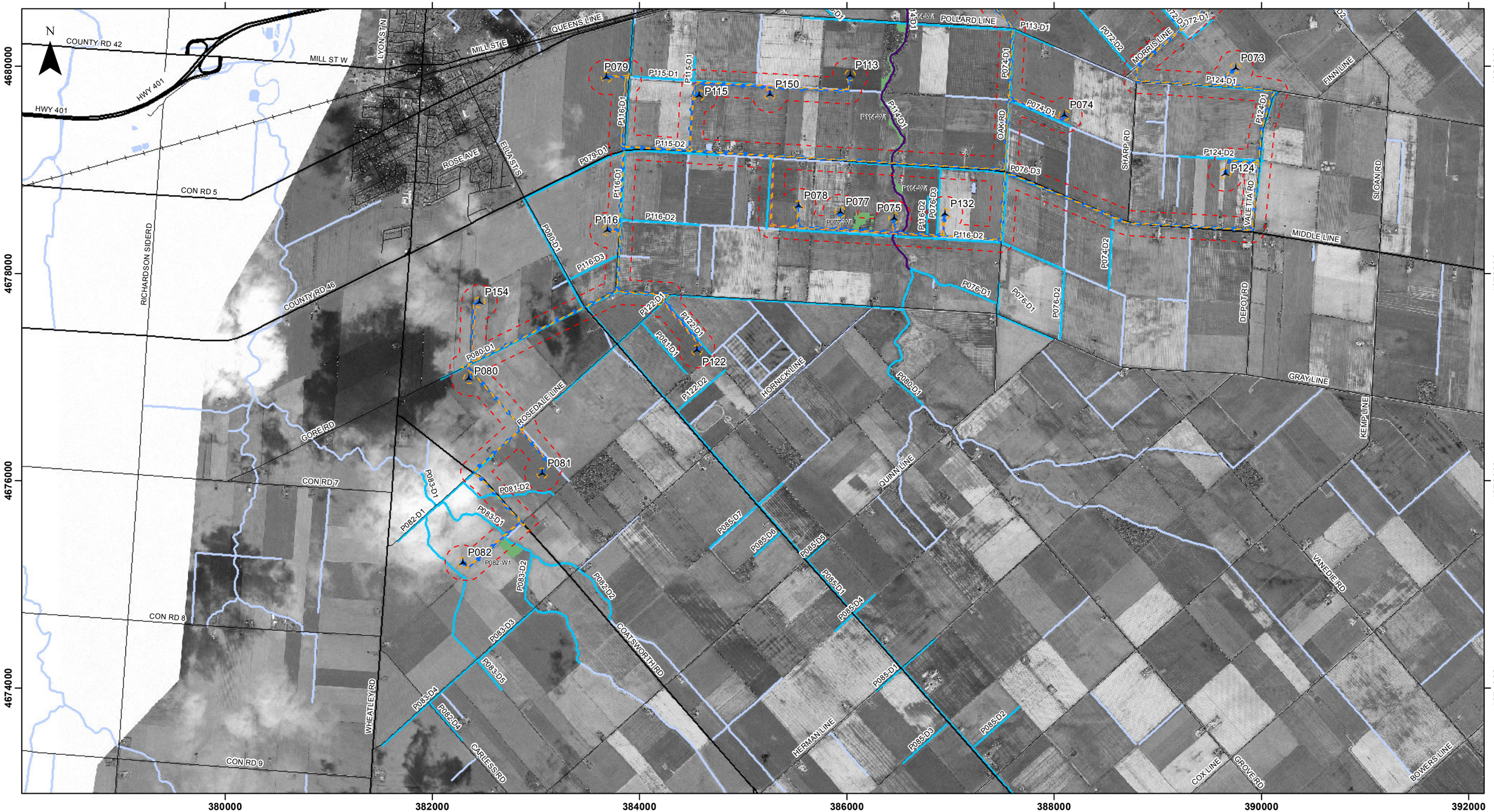

Figure A

South Kent Wind Project

Site Plan A

NATURAL RESOURCE SOLUTIONS INC.
Aquatic, Terrestrial and Wetland Biologists

0 0.225 0.45 0.9 km

April 23, 2012
Project No: NRSI-1184
UTM Zone 17, NAD 83
Scale: 1:35,000 (at 11x17")

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- Railbed Corridor

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4682000 4680000 4678000 4676000

P126 P095 P069 P070 P087 P176 P175 P174

P126-D1 P095-D1 P071-D3 P071-D4 P071-D1 P071-D2 P127-D2 P069-D6 P069-D1 P069-D2 P069-D3 P069-D4 P069-D5 P070-D2 P070-D1 P070-D3 P087-D2 P087-D1 P176-D2 P175-D1 P068-D1 P068-D4 P068-D2 P068-D3 P066-D2 P066-D1 P066-D3

RB-F1 RB-F2 RB-F3

7TH LINE W 8TH LINE NINTH LINE 10TH LINE 11TH LINE 13TH LINE 14TH LINE 16TH LINE

WELLWOOD RD AD SHADD RD MIDDLE LINE DILLON RD DRAKE RD KENDALL RD

FINN LINE PORT RD COOPER RD SWANTON LINE MERLIN RD GIRARD LINE POLLARD LINE HOY LINE SLOAN RD IRWIN RD HASKELL RD HICKEY RD A&B RD ERIE ST N ERIE ST S ABERDEEN ST

MIDDLE LINE KEMP LINE GRAY LINE COX LINE BOWERS LINE GLENWOOD LINE BADDER LINE MERLIN RD

Figure B

South Kent Wind Project

Site Plan B

NATURAL RESOURCE SOLUTIONS INC.
Aquatic, Terrestrial and Wetland Biologists

0 0.225 0.45 0.9 km

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UTM Zone 17, NAD 83
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Figure C

South Kent Wind Project

Site Plan C

NATURAL RESOURCE SOLUTIONS INC.
Aquatic, Terrestrial and Wetland Biologists

0 0.225 0.45 0.9 km

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Project No: NRSI-1184
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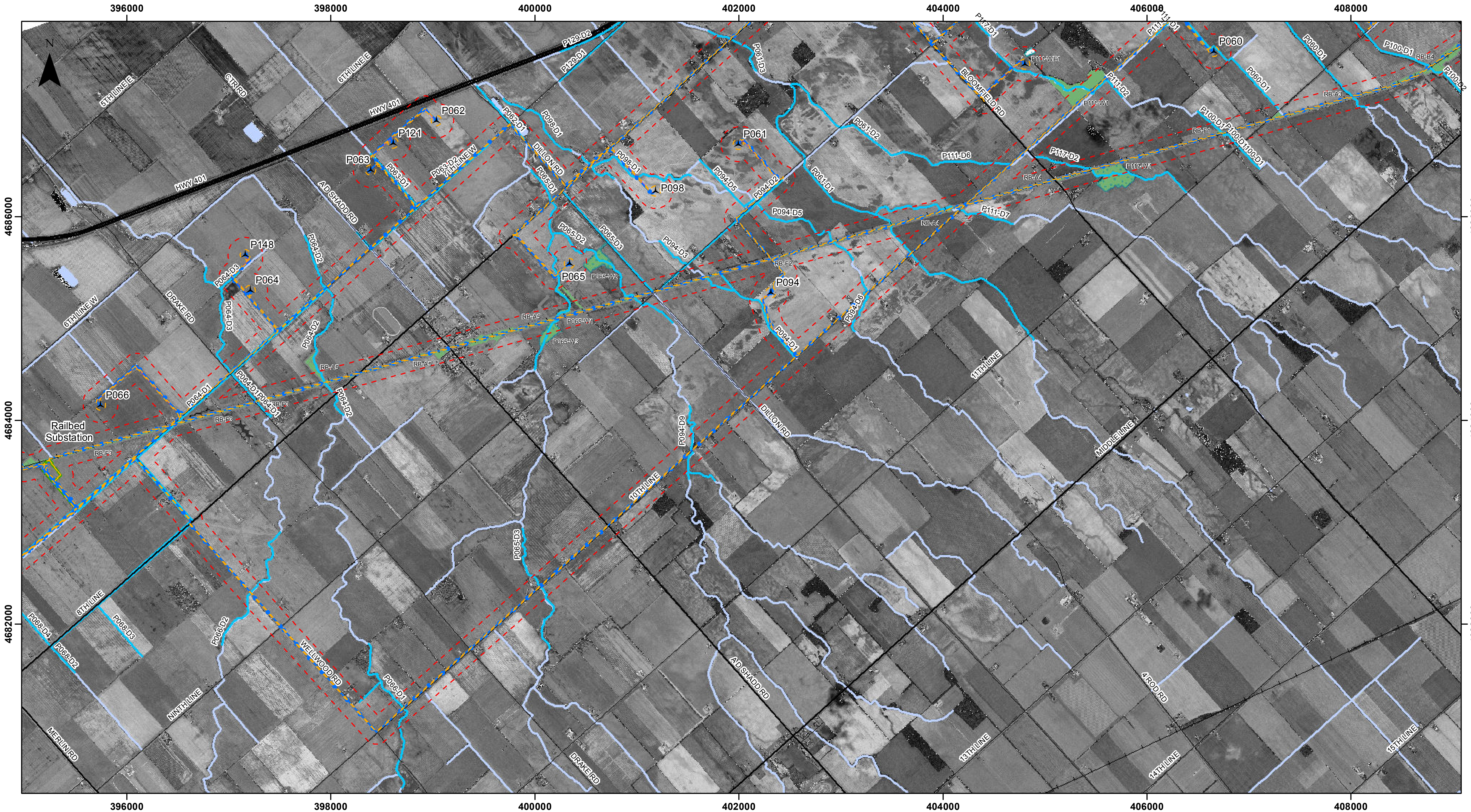

Figure D

South Kent Wind Project

Site Plan D

Natural Resource Solutions Inc.
Aquatic, Terrestrial and Wetland Biologists

0 0.225 0.45 0.9 km

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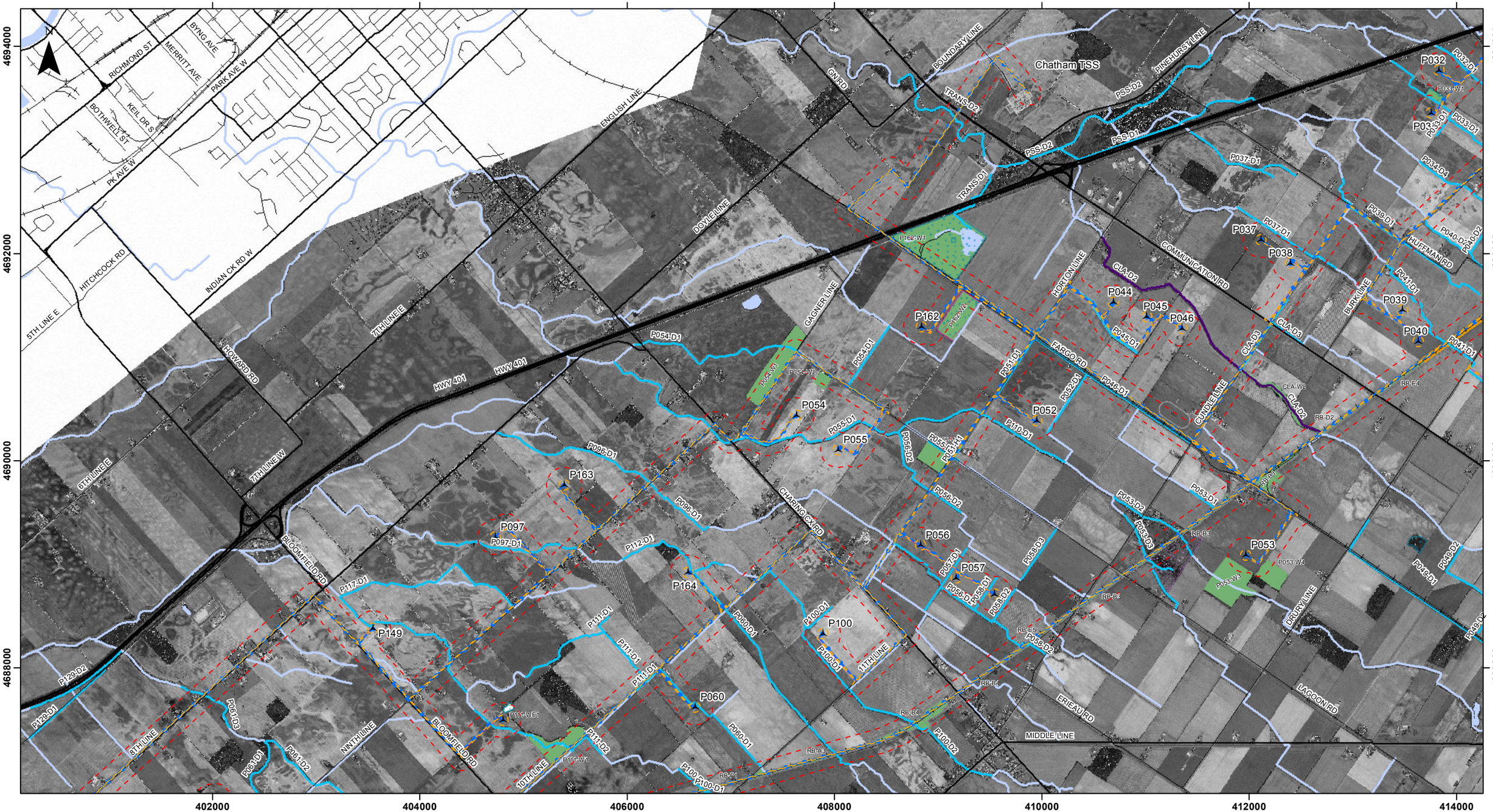

Figure E

South Kent Wind Project

Site Plan E

NATURAL RESOURCE SOLUTIONS INC.
Aquatic, Terrestrial and Wetland Biologists

0 0.225 0.45 0.9 km

April 23, 2012
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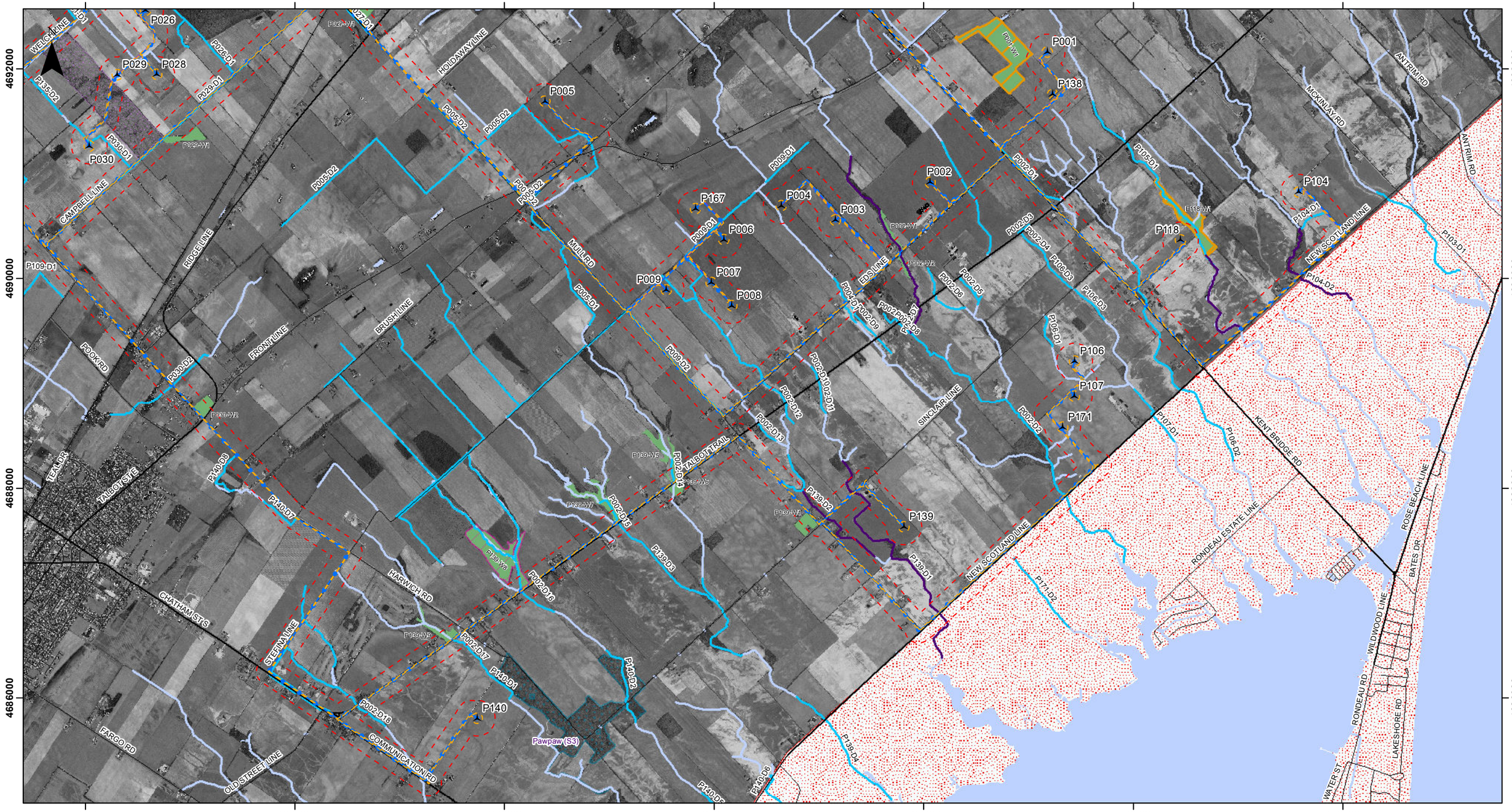

Figure F

South Kent Wind Project

Site Plan F

NATURAL RESOURCE SOLUTIONS INC.
Aquatic, Terrestrial and Wetland Biologists

0 0.225 0.45 0.9 km

April 23, 2012
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4694000 4692000 4690000

N

Sattern Substation

Compass Plant (S1)

HWY 401 VASIK LINE BURK LINE GOLF CRSE LINE GREEN LINE WELCH LINE RIDGE LINE BASE RD HOLDAWAY LINE SHELBURG RD KENTBRIDGE RD FRONT LINE CAMPBELL LINE KNIGHTS LINE HARWICH RD DRURY LINE HUFFMAN RD BRUSH LINE MULL RD EDS LINE SINCLAIR LINE POOK RD COMMUNICATION RD ALLISON LINE FLOATTRAIL

P018 P019 P020 P021 P022 P023 P024 P155 P156 P031 P032 P033 P034 P135 P026 P029 P028 P030 P108 P035 P036 P041 P042 P120 P109 P014 P092 P152 P102 P093 P166 P001 P138 P005 P167 P004 P003 P002 P006 P009 P007 P008 P106 P107 P171

P018-D1 P019-D1 P019-D2 P014-D1 P013-D1 P014-WE1 P014-WE2 P014-W2 P092-W2 P023-D1 P156-D2 P156-D3 P156-D4 P024-D1 P024-W1 P024-W2 P156-W1 SSS-D1 SSS-D2 SSS-D3 RB-B2 RB-E2 RB-D1 P022-W1 P027-D1 P027-W1 P152-D1 P102-D1 P093-D1 P033-D1 P166-W1 P001-W1 P005-D1 P005-D2 P031-D1 P026-D1 P029-D1 P135-D2 P030-D1 P029-W1 P032-D1 P032-W1 P033-D1 P034-D1 P034-D2 P034-W1 P034-D4 P034-D3 P040-D1 P040-D2 P039-D1 RB-E3 P035-D1 P041-D1 RB-E2 RB-E4 P108-WE1 P108-W1 P108-D1 P036-D1 P042-W1 P120-D1 P109-D1 P109-W1 P049-D2 P049-D1 P049-D2 P030-D2 P030-W1 P040-D3 P139-W5 P139-D2 P002-D13 P002-D12 P002-D11 P002-D10 P002-D9 P002-D8 P002-D7 P002-D6 P002-D5 P002-D4 P002-D3 P002-D2 P002-D1 P002-W1 P002-W2 P004-D1 P009-D1 P009-D2 P005-D3 P106-D1 P106-D2 P106-D3 P105-D1

Figure G

South Kent Wind Project

Site Plan G

NATURAL RESOURCE SOLUTIONS INC.
Aquatic, Terrestrial and Wetland Biologists

April 23, 2012
Project No: NRSI-1184
UTM Zone 17, NAD 83
Scale: 1:35,000 (at 11x17")

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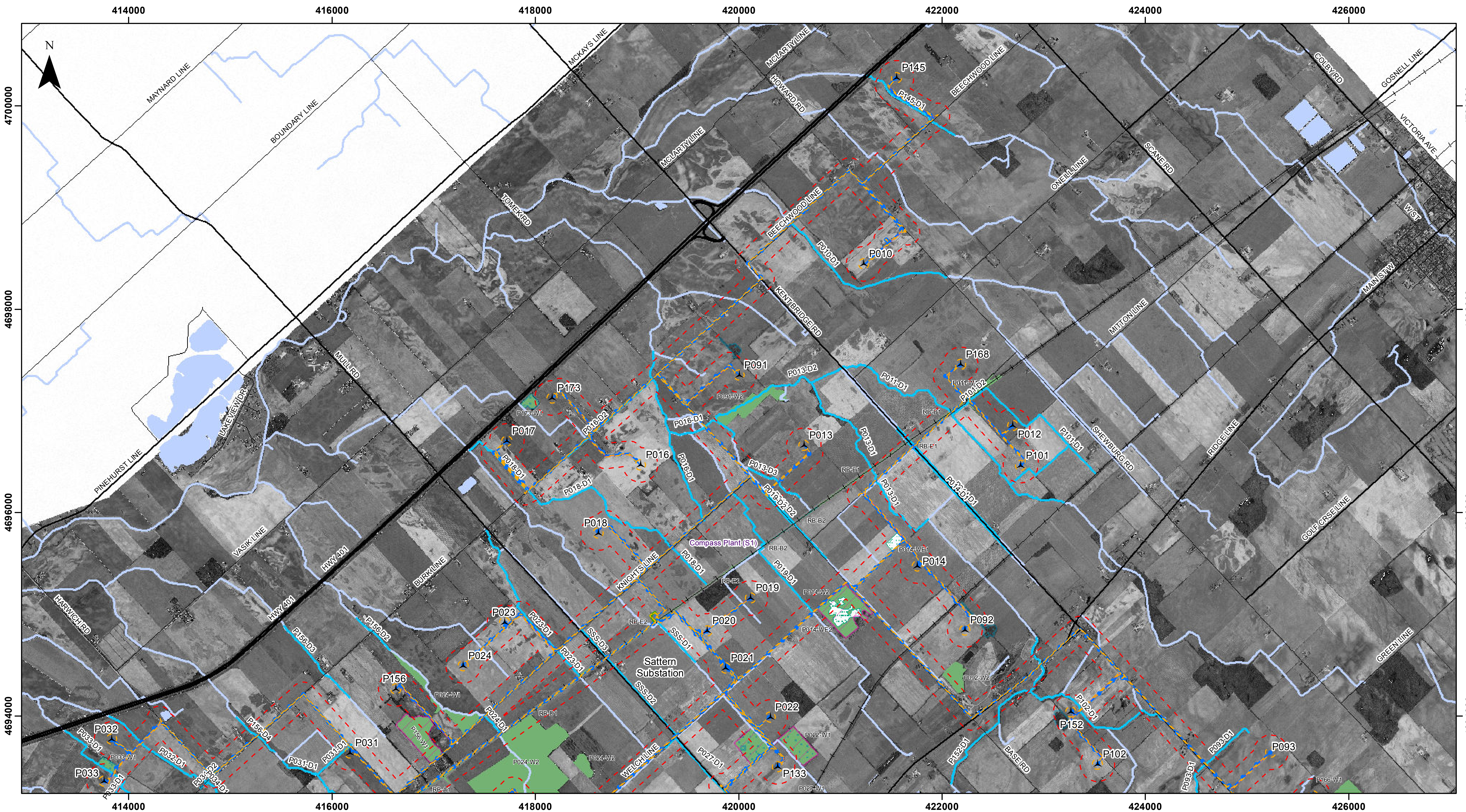

Figure H

South Kent Wind Project

Site Plan H

Natural Resource Solutions Inc.
Aquatic, Terrestrial and Wetland Biologists

0 0.225 0.45 0.9 km

April 23, 2012
Project No: NRSI-1184
UTM Zone 17, NAD 83
Scale: 1:35,000 (at 11x17")

Legend

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- Vegetated Drain Corridor
- Railbed Corridor

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Appendix B

Location of Noise Receptors (UTM NAD 83)

Location of Noise Receptors (UTM NAD 83)

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R69	Vacant regular	No	381019	4676441
R82	Existing	No	381412	4674007
R84	Vacant regular	No	381397	4674641
R88	Existing	No	381462	4674325
R92	Existing	No	381481	4674719
R93	Vacant regular	No	381491	4675742
R96	Existing	No	381499	4675100
R97	Vacant regular	No	381524	4674290
R98	Existing	No	381530	4675399
R99	Existing	No	381546	4674422
R100	Existing	No	381556	4677042
R102	Existing	No	381596	4676335
R105	Existing	Yes	381623	4675194
R107	Existing	No	381658	4676174
R108	Existing	No	381669	4677281
R109	Existing	No	381703	4676755
R110	Existing	No	381709	4676857
R111	Existing	No	381719	4678118
R113	Vacant regular	No	381724	4677895
R115	Existing	No	381734	4677944
R116	Existing	No	381735	4678050
R117	Existing	No	381738	4678008
R119	Vacant regular	No	381741	4678070
R120	Vacant regular	No	381749	4678103
R121	Vacant regular	No	381752	4678145
R123	Vacant regular	No	381765	4678273
R124	Existing	No	381769	4678331
R125	Existing	No	381770	4678348
R126	Existing	No	381773	4678365
R127	Existing	No	381773	4678380
R128	Existing	No	381774	4678394
R129	Existing	No	381774	4678410
R130	Existing	No	381776	4678426
R131	Existing	No	381777	4678439
R132	Existing	No	381785	4678484
R133	Vacant regular	No	381789	4678588
R134	Existing	No	381789	4678621

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R135	Existing	No	381788	4678636
R136	Existing	No	381791	4677808
R138	Existing	No	381854	4678257
R141	Vacant regular	No	382020	4676458
R143	Vacant regular	No	382070	4678268
R144	Vacant regular	No	382220	4674171
R147	Vacant regular	No	382116	4678385
R148	Vacant regular	Yes	382122	4676979
R154	Vacant regular	Yes	382261	4676228
R155	Vacant regular	No	382285	4674111
R159	Vacant regular	No	382319	4678489
R161	Vacant regular	No	382355	4678431
R164	Vacant regular	Yes	382384	4677219
R165	Vacant regular	No	382387	4678522
R166	Vacant regular	No	382390	4678558
R167	Existing	No	382408	4678453
R168	Vacant regular	No	382416	4678571
R171	Existing	No	382429	4676015
R172	Vacant regular	No	382438	4678580
R174	Vacant regular	No	382460	4678593
R175	Vacant regular	No	382480	4674416
R176	Vacant regular	No	382485	4678600
R178	Vacant regular	No	382514	4678609
R180	Vacant regular	No	382544	4678620
R181	Vacant regular	No	382557	4678644
R183	Existing	No	382573	4674360
R184	Existing	Yes	382583	4676214
R185	Existing	No	382589	4679369
R186	Vacant regular	No	382594	4678807
R187	Existing	No	382604	4679357
R188	Existing	No	382596	4679242
R189	Existing	No	382605	4679332
R190	Existing	No	382605	4679414
R192	Existing	No	382622	4679308
R193	Vacant regular	No	382618	4678810
R194	Existing	No	382611	4679215
R196	Existing	No	382626	4679420
R197	Existing	No	382629	4679474

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R198	Existing	No	382629	4679497
R199	Existing	No	382629	4679526
R200	Existing	No	382630	4679447
R201	Existing	No	382632	4679546
R202	Existing	No	382632	4679569
R203	Existing	No	382641	4679627
R204	Existing	No	382634	4679597
R205	Vacant regular	No	382636	4678815
R206	Existing	No	382647	4679172
R207	Existing	No	382664	4679243
R208	Existing	No	382660	4679923
R209	Vacant regular	No	382656	4678817
R210	Existing	No	382657	4679136
R212	Vacant regular	No	382668	4679098
R213	Existing	No	382679	4679217
R214	Vacant regular	No	382677	4678820
R216	Existing	No	382830	4678939
R217	Vacant regular	No	382697	4679067
R218	Vacant regular	No	382699	4678824
R219	Vacant regular	No	382705	4674618
R220	Vacant regular	No	382710	4678966
R223	Vacant regular	No	382719	4678831
R224	Vacant regular	No	382723	4678928
R225	Vacant regular	No	382727	4678949
R226	Existing	No	382726	4679998
R228	Vacant regular	No	382742	4678832
R229	Existing	No	382752	4680014
R230	Existing	No	382766	4678827
R231	Vacant regular	No	382771	4680022
R233	Vacant regular	No	382780	4678871
R234	Existing	No	382777	4680052
R235	Existing	No	382790	4678836
R237	Existing	No	382812	4680045
R238	Existing	No	382823	4680052
R239	Existing	No	382839	4680059
R240	Existing	No	382849	4680072
R241	Existing	No	382857	4678670
R242	Existing	No	382861	4680011

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R243	Existing	No	382861	4680076
R248	Existing	No	382660	4679989
R250	Vacant regular	No	382935	4680105
R251	Vacant regular	No	382965	4674712
R252	Existing	No	382973	4680126
R253	Vacant regular	No	383017	4676709
R254	Existing	No	383026	4680312
R255	Vacant regular	No	383029	4680373
R258	Existing	No	382946	4674883
R260	Existing	No	383056	4680167
R262	Vacant regular	No	383073	4675428
R263	Existing	No	383076	4680416
R264	Vacant regular	No	383080	4680355
R266	Existing	No	383087	4674813
R267	Existing	No	383091	4680187
R269	Vacant regular	No	383100	4680376
R270	Vacant regular	No	383105	4680442
R272	Existing	No	383134	4680466
R273	Existing	No	383105	4678160
R274	Existing	No	383156	4680362
R276	Existing	No	383173	4676730
R277	Existing	No	383177	4680419
R281	Vacant regular	No	383222	4680471
R282	Existing	No	383227	4677975
R283	Vacant regular	No	383237	4674954
R284	Existing	No	383246	4680489
R285	Existing	No	383274	4680508
R288	Existing	No	382582	4679886
R289	Existing	No	383279	4680381
R290	Existing	No	383301	4680540
R291	Existing	No	383302	4678976
R292	Vacant regular	No	383315	4677755
R294	Existing	No	383332	4675149
R295	Existing	No	383381	4680715
R296	Existing	No	383351	4680562
R297	Existing	No	383372	4680411
R299	Existing	No	383441	4680482
R301	Existing	No	383531	4677442

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R302	Existing	No	383444	4680407
R303	Existing	No	383449	4675149
R307	Existing	No	383501	4675192
R309	Existing	No	383555	4679027
R310	Existing	No	383560	4680492
R311	Vacant regular	No	383546	4677076
R314	Existing	No	383594	4680479
R316	Existing	No	383632	4679155
R318	Existing	No	383638	4675408
R319	Vacant regular	No	382978	4680342
R321	Vacant regular	No	383669	4680865
R322	Existing	No	383701	4677757
R324	Vacant regular	No	383838	4677191
R325	Vacant regular	No	383761	4680934
R332	Vacant regular	No	383945	4678928
R333	Existing	No	383872	4677160
R335	Vacant regular	No	383893	4679143
R336	Existing	No	383899	4677133
R337	Existing	No	383920	4677108
R338	Existing	No	383938	4677084
R340	Vacant regular	No	383829	4677320
R342	Existing	No	383958	4677043
R343	Vacant regular	No	383959	4680630
R345	Vacant regular	No	383963	4677070
R347	Existing	No	383987	4677024
R348	Existing	No	383996	4675629
R349	Vacant regular	No	384011	4680878
R350	Existing	No	384013	4676994
R351	Existing	No	384033	4675767
R352	Existing	No	384037	4676976
R355	Existing	No	384060	4676946
R356	Vacant regular	Yes	384067	4675695
R357	Existing	No	384075	4676930
R358	Existing	No	384077	4677861
R359	Existing	No	384093	4676908
R360	Vacant regular	No	384101	4681317
R361	Existing	No	384115	4676881
R362	Existing	No	384135	4676864

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R363	Existing	Yes	384135	4677608
R364	Existing	No	384147	4675757
R365	Existing	No	384153	4676844
R368	Existing	No	384169	4676825
R369	Existing	No	384177	4676812
R370	Existing	No	384192	4679241
R371	Existing	No	384193	4676797
R378	Vacant regular	No	384283	4676027
R379	Vacant regular	No	384318	4675918
R380	Existing	No	384341	4680496
R383	Existing	No	384409	4677826
R386	Vacant regular	No	384486	4680577
R389	Existing	No	384515	4676215
R392	Vacant regular	No	384558	4676091
R394	Existing	No	384582	4676163
R395	Existing	No	384590	4676288
R400	Existing	No	384618	4677835
R401	Existing	No	384646	4676216
R402	Existing	No	384676	4676231
R403	Vacant regular	No	384691	4680764
R404	Existing	Yes	384781	4679068
R405	Existing	No	384711	4676209
R408	Existing	Yes	384756	4679211
R411	Vacant regular	No	384819	4680608
R412	Vacant regular	No	384829	4676368
R415	Vacant regular	No	384843	4680450
R419	Existing	No	384907	4676558
R422	Vacant regular	Yes	384958	4677721
R423	Vacant regular	Yes	384843	4679340
R427	Existing	No	385011	4676642
R428	Existing	Yes	385062	4679096
R432	Vacant regular	No	385020	4677802
R443	Existing	No	385358	4680531
R444	Existing	No	385375	4676852
R445	Vacant regular	No	385392	4677043
R448	Existing	No	385417	4677817
R455	Vacant regular	No	385489	4680717
R457	Vacant regular	Yes	385495	4678245

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R458	Existing	No	385517	4680321
R460	Existing	Yes	385523	4679158
R464	Vacant regular	No	385545	4680765
R465	Vacant regular	No	385551	4680994
R468	Existing	Yes	385574	4679061
R475	Existing	No	385759	4677294
R478	Vacant regular	No	385814	4677235
R484	Vacant regular	No	386194	4677729
R485	Existing	No	385961	4677756
R487	Existing	Yes	385986	4679191
R490	Existing	Yes	386021	4679042
R492	Vacant regular	No	386030	4681118
R493	Existing	Yes	386050	4680427
R498	Vacant regular	No	386178	4681237
R504	Existing	No	386247	4677729
R506	Existing	No	386368	4681246
R512	Existing	No	386453	4680462
R513	Existing	No	386451	4680282
R515	Existing	Yes	386518	4678953
R516	Existing	Yes	386520	4679116
R517	Vacant regular	No	386548	4677624
R521	Existing	No	386635	4680298
R525	Vacant regular	No	386681	4677714
R535	Existing	No	386852	4677784
R540	Existing	No	386959	4680380
R544	Existing	No	387058	4680445
R549	Existing	No	387147	4679152
R554	Vacant regular	No	387199	4677591
R558	Existing	Yes	387224	4678984
R559	Vacant regular	No	387264	4680333
R566	Existing	No	387407	4677584
R567	Vacant regular	No	387409	4677787
R570	Existing	No	387434	4678113
R575	Vacant regular	No	387474	4680555
R578	Existing	No	387495	4679029
R579	Vacant regular	No	387512	4677650
R585	Existing	No	387621	4680810
R586	Existing	No	387649	4680399

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R590	Vacant regular	No	387481	4677562
R594	Existing	No	387808	4680998
R595	Existing	No	387809	4679017
R597	Existing	No	387854	4679032
R598	Vacant regular	No	387883	4680319
R599	Existing	No	387892	4678776
R600	Existing	No	387927	4680159
R605	Vacant regular	No	388062	4681190
R606	Vacant regular	No	388092	4681136
R610	Vacant regular	No	388140	4681183
R613	Vacant regular	No	388298	4680043
R618	Vacant regular	No	388315	4678574
R619	Existing	No	388330	4681353
R628	Existing	No	388527	4681615
R632	Vacant regular	No	388578	4682886
R636	Vacant regular	No	388638	4679965
R637	Vacant regular	No	388665	4678574
R643	Vacant regular	No	388688	4679344
R646	Existing	No	388755	4679914
R647	Existing	No	388755	4681783
R648	Vacant regular	No	388768	4680012
R651	Existing	No	388823	4681768
R652	Existing	No	388852	4679451
R653	Vacant regular	No	388784	4681740
R655	Vacant regular	No	388947	4679901
R656	Existing	No	388975	4680219
R660	Existing	No	389002	4678432
R661	Vacant regular	No	389013	4678509
R662	Existing	No	389044	4678508
R664	Vacant regular	No	389062	4680195
R667	Existing	No	389110	4678505
R668	Vacant regular	No	389149	4679722
R671	Existing	No	389158	4678488
R672	Vacant regular	No	389173	4682161
R675	Vacant regular	No	389220	4678487
R676	Vacant regular	Yes	389412	4680581
R677	Existing	No	389242	4682123
R679	Vacant regular	No	389255	4682232

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R680	Existing	No	389267	4678495
R681	Vacant regular	Yes	389318	4682180
R682	Existing	No	389331	4678410
R683	Existing	No	389313	4678470
R685	Existing	No	389380	4682345
R688	Vacant regular	No	389187	4679875
R691	Existing	Yes	389456	4680527
R698	Existing	No	389597	4678382
R699	Existing	Yes	389602	4678473
R706	Existing	No	389830	4678433
R707	Vacant regular	No	389849	4677962
R708	Vacant regular	No	389852	4680839
R710	Vacant regular	No	389824	4682789
R711	Existing	No	389866	4678432
R712	Existing	No	389848	4678269
R714	Existing	No	389892	4678444
R715	Vacant regular	Yes	390131	4679806
R716	Vacant regular	No	389968	4678364
R718	Existing	No	389929	4681358
R719	Vacant regular	No	389943	4682860
R722	Existing	No	389993	4680943
R724	Existing	No	390038	4678460
R725	Existing	No	390031	4678330
R728	Existing	No	390054	4679443
R729	Existing	No	390054	4681308
R730	Existing	No	390067	4679493
R732	Existing	No	390089	4678308
R733	Existing	No	390119	4682890
R738	Existing	No	390282	4683112
R742	Existing	No	390305	4683228
R744	Vacant regular	No	390357	4679779
R745	Vacant regular	No	390396	4678408
R747	Existing	Yes	390408	4683148
R748	Vacant regular	No	390414	4678275
R750	Vacant regular	Yes	390210	4681157
R753	Vacant regular	No	390551	4683247
R754	Vacant regular	No	390592	4680593
R755	Existing	No	390593	4681535

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R757	Existing	No	390698	4683393
R758	Vacant regular	No	390702	4683475
R762	Existing	No	390765	4680402
R769	Vacant regular	No	390868	4680256
R771	Existing	No	390885	4681855
R774	Vacant regular	No	390891	4681745
R780	Existing	No	390949	4679595
R781	Existing	No	390986	4683029
R788	Existing	No	391044	4684780
R790	Existing	No	391075	4684790
R794	Existing	No	391101	4684804
R798	Vacant regular	No	391108	4678697
R799	Vacant regular	No	391120	4684830
R801	Existing	No	391127	4679637
R805	Vacant regular	No	391149	4684849
R806	Vacant regular	No	391173	4684857
R807	Existing	No	391179	4683888
R810	Existing	No	391200	4680408
R812	Vacant regular	No	391221	4684873
R813	Vacant regular	No	391197	4683821
R815	Vacant regular	No	391230	4682186
R820	Vacant regular	No	391258	4684889
R826	Vacant regular	No	391292	4684902
R828	Existing	Yes	391317	4680337
R833	Existing	No	391358	4684059
R835	Existing	No	391401	4682312
R836	Existing	No	391403	4684009
R844	Vacant regular	No	391585	4682484
R851	Existing	No	391693	4682082
R853	Existing	No	391711	4680783
R855	Existing	No	391766	4680731
R863	Vacant regular	No	391850	4684352
R865	Vacant regular	No	391881	4680813
R871	Existing	No	391853	4684598
R873	Existing	No	391920	4682804
R874	Vacant regular	Yes	392328	4681375
R876	Existing	No	391935	4682576
R879	Vacant regular	Yes	392043	4681074

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R881	Vacant regular	No	392054	4682919
R889	Existing	No	392193	4677928
R895	Existing	No	392215	4678114
R897	Existing	No	392226	4684248
R898	Existing	No	392243	4684411
R899	Vacant regular	No	392260	4682974
R901	Existing	No	392246	4678057
R902	Existing	No	392264	4679454
R903	Vacant regular	Yes	392281	4683112
R908	Existing	No	392349	4681445
R911	Existing	No	392367	4681427
R912	Vacant regular	No	392384	4679363
R916	Vacant regular	No	392468	4681490
R919	Existing	No	392522	4678013
R920	Vacant regular	No	392525	4683908
R926	Vacant regular	No	392569	4679294
R927	Existing	No	392571	4681458
R929	Vacant regular	Yes	392581	4681039
R932	Vacant regular	No	392609	4683378
R933	Existing	No	392643	4678005
R934	Existing	No	392804	4679983
R935	Existing	No	392640	4681124
R936	Existing	No	392648	4683336
R937	Existing	No	392676	4677847
R939	Vacant regular	No	392700	4681685
R940	Existing	No	392702	4683858
R943	Vacant regular	Yes	392929	4679355
R946	Existing	No	392784	4683802
R948	Vacant regular	Yes	392744	4681051
R958	Existing	No	392811	4680924
R962	Existing	No	392867	4680854
R969	Existing	No	392908	4677866
R970	Vacant regular	No	392970	4679127
R971	Existing	No	392914	4677807
R972	Existing	No	392917	4677743
R976	Vacant regular	No	392941	4682919
R979	Vacant regular	No	392964	4683437
R985	Vacant regular	No	393045	4681987

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R988	Existing	No	393057	4680126
R990	Vacant regular	No	393067	4677938
R991	Existing	No	393069	4683318
R993	Existing	No	393084	4683302
R994	Existing	No	393063	4684710
R995	Existing	No	393098	4683283
R996	Existing	No	393111	4683266
R997	Existing	No	393135	4683264
R998	Vacant regular	No	393138	4681917
R1000	Existing	No	393208	4684729
R1001	Existing	No	393141	4683243
R1002	Existing	No	393164	4683343
R1003	Existing	No	393152	4683233
R1004	Existing	No	393175	4683210
R1005	Existing	No	393179	4679295
R1006	Existing	No	393192	4683281
R1008	Existing	Yes	393210	4677811
R1010	Existing	No	393202	4683150
R1015	Existing	No	393251	4683202
R1017	Existing	No	393269	4683183
R1019	Vacant regular	Yes	393325	4679203
R1020	Existing	No	393283	4684907
R1026	Existing	No	393385	4682976
R1027	Existing	No	393369	4682984
R1028	Existing	No	393396	4683161
R1031	Existing	No	393387	4682949
R1032	Existing	No	393280	4683285
R1033	Existing	No	393426	4682931
R1035	Vacant regular	Yes	393428	4683025
R1039	Existing	No	393442	4682884
R1040	Existing	No	393469	4680581
R1042	Vacant regular	No	393491	4683234
R1043	Vacant regular	No	393488	4682825
R1044	Existing	No	393485	4683263
R1048	Existing	No	393503	4683181
R1049	Vacant regular	No	393523	4677757
R1050	Existing	No	393545	4682922
R1052	Vacant regular	No	393532	4682807

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R1053	Existing	Yes	393532	4680409
R1054	Existing	No	393534	4683260
R1056	Existing	No	393541	4680547
R1057	Vacant regular	No	393544	4683218
R1058	Vacant regular	No	393546	4682790
R1059	Existing	No	393547	4677853
R1060	Existing	No	393540	4683281
R1062	Existing	No	393572	4683292
R1064	Existing	No	393576	4683320
R1065	Vacant regular	No	393599	4682719
R1066	Vacant regular	No	393610	4683334
R1069	Vacant regular	Yes	393618	4682791
R1070	Vacant regular	No	393630	4683353
R1071	Existing	No	393620	4685041
R1073	Existing	No	393636	4682765
R1074	Vacant regular	No	393652	4683371
R1075	Existing	No	393654	4683297
R1076	Existing	No	393653	4682618
R1077	Existing	No	393676	4682733
R1083	Existing	No	393715	4677731
R1084	Existing	No	393629	4685244
R1085	Existing	No	393730	4682659
R1086	Vacant regular	No	393789	4683549
R1087	Vacant regular	No	393822	4683437
R1088	Vacant regular	No	393826	4677701
R1089	Existing	No	393837	4683463
R1090	Existing	No	393859	4683480
R1092	Existing	No	393878	4683498
R1095	Vacant regular	No	393911	4682497
R1099	Vacant regular	No	393948	4676384
R1101	Vacant regular	No	393949	4676302
R1103	Vacant regular	No	393963	4682262
R1107	Existing	No	393979	4677656
R1108	Existing	No	393991	4683595
R1109	Existing	No	393994	4680950
R1111	Vacant regular	No	394006	4683740
R1112	Existing	No	393738	4685313
R1118	Existing	No	394048	4680881

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R1122	Vacant regular	No	394107	4677644
R1124	Vacant regular	No	394111	4679038
R1126	Existing	No	394113	4680949
R1127	Vacant regular	No	394121	4677753
R1142	Existing	No	394228	4681061
R1143	Existing	No	394232	4681166
R1148	Existing	No	394252	4683821
R1151	Vacant regular	No	394300	4679449
R1152	Vacant regular	No	394301	4677602
R1155	Vacant regular	No	394149	4682220
R1157	Vacant regular	No	394014	4685411
R1162	Existing	No	394370	4685807
R1164	Vacant regular	No	394421	4685807
R1165	Existing	No	394406	4681316
R1166	Existing	No	394412	4681334
R1168	Existing	No	394432	4679550
R1170	Existing	Yes	394423	4679098
R1172	Vacant regular	No	394451	4685899
R1173	Vacant regular	No	394475	4685833
R1174	Existing	No	394484	4681241
R1175	Existing	Yes	394474	4684021
R1178	Existing	No	394533	4678999
R1179	Existing	No	394570	4681461
R1185	Existing	No	394602	4686084
R1186	Existing	No	394599	4677558
R1187	Vacant regular	No	394649	4676192
R1189	Vacant regular	No	394661	4675957
R1191	Existing	Yes	394648	4684296
R1192	Existing	No	394674	4676729
R1194	Existing	Yes	394673	4682472
R1196	Vacant regular	No	394701	4685992
R1197	Vacant regular	No	394711	4677552
R1201	Existing	No	394719	4684214
R1202	Vacant regular	Yes	394723	4677661
R1203	Vacant regular	No	394727	4676188
R1204	Vacant regular	Yes	394731	4678128
R1205	Vacant regular	No	394733	4676262
R1208	Vacant regular	Yes	395110	4682840

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R1209	Existing	No	394794	4677633
R1211	Existing	No	394848	4684339
R1212	Vacant regular	No	394846	4685554
R1218	Existing	No	394907	4681579
R1219	Vacant regular	No	394938	4682581
R1222	Existing	No	394940	4677628
R1223	Existing	No	394972	4675755
R1226	Vacant regular	Yes	394961	4684418
R1227	Vacant regular	No	394998	4684472
R1229	Existing	No	395015	4684489
R1231	Vacant regular	Yes	395329	4683042
R1233	Existing	No	395052	4681705
R1237	Existing	No	395130	4682770
R1238	Existing	No	395139	4677482
R1242	Existing	No	395201	4684735
R1243	Vacant regular	Yes	395387	4683089
R1244	Existing	No	395202	4677580
R1246	Vacant regular	No	395285	4684730
R1247	Existing	No	395297	4681918
R1250	Vacant regular	Yes	395773	4683423
R1253	Vacant regular	No	395373	4685667
R1255	Vacant regular	No	395397	4681836
R1257	Existing	No	395196	4681888
R1258	Vacant regular	No	395416	4677589
R1259	Vacant regular	No	395418	4683004
R1274	Existing	No	395569	4685096
R1275	Vacant regular	No	395605	4682162
R1281	Existing	No	395633	4685029
R1283	Existing	No	395637	4677273
R1286	Vacant regular	No	395649	4685140
R1298	Existing	No	395808	4683510
R1304	Existing	Yes	395928	4677357
R1314	Existing	No	396024	4683634
R1321	Vacant regular	No	396083	4683580
R1323	Existing	No	396102	4685538
R1325	Existing	No	396145	4677479
R1329	Vacant regular	No	395819	4676097
R1330	Vacant regular	No	396216	4685486

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R1332	Vacant regular	No	396229	4675505
R1333	Existing	No	396252	4675525
R1334	Vacant regular	No	396258	4683723
R1336	Existing	No	396290	4675551
R1337	Vacant regular	Yes	396293	4675305
R1340	Existing	No	396340	4677288
R1341	Existing	No	396365	4683207
R1347	Existing	No	396370	4685233
R1349	Existing	No	396394	4685209
R1350	Vacant regular	No	396424	4683889
R1351	Existing	No	396409	4683192
R1353	Existing	No	396441	4677420
R1354	Existing	No	396457	4684014
R1357	Existing	No	396458	4685012
R1359	Vacant regular	No	396464	4683229
R1361	Vacant regular	No	396493	4685159
R1365	Vacant regular	No	396516	4675506
R1366	Vacant regular	No	396523	4675858
R1368	Vacant regular	Yes	396954	4684468
R1374	Existing	No	396606	4677354
R1375	Vacant regular	Yes	396634	4677252
R1378	Existing	No	396648	4675944
R1384	Existing	No	396441	4683256
R1385	Existing	No	396731	4685993
R1387	Vacant regular	No	396765	4683972
R1390	Vacant regular	No	396778	4675847
R1391	Existing	No	396778	4684223
R1397	Existing	No	396843	4684703
R1398	Vacant regular	No	396847	4677310
R1401	Existing	No	396870	4675897
R1404	Existing	No	396924	4687004
R1414	Vacant regular	No	397013	4686218
R1417	Existing	No	397049	4675896
R1419	Existing	No	397064	4684345
R1428	Existing	No	397139	4677264
R1433	Vacant regular	No	397151	4684393
R1434	Vacant regular	No	397158	4687055
R1436	Vacant regular	No	397162	4684535

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R1438	Existing	No	397173	4675772
R1444	Existing	No	397228	4684574
R1446	Vacant regular	No	397242	4684702
R1450	Vacant regular	No	397260	4684640
R1457	Vacant regular	No	397331	4684691
R1459	Vacant regular	No	397413	4677270
R1465	Existing	No	397393	4683792
R1470	Existing	No	397456	4677277
R1476	Existing	No	397469	4675885
R1478	Existing	No	397502	4683984
R1480	Existing	No	397496	4677158
R1489	Existing	Yes	397561	4685016
R1492	Existing	No	397575	4686864
R1499	Vacant regular	Yes	397627	4684590
R1508	Existing	No	397757	4684071
R1510	Vacant regular	No	397737	4686506
R1514	Existing	No	397773	4685187
R1521	Vacant regular	Yes	398105	4685490
R1522	Existing	No	397904	4677272
R1524	Vacant regular	No	397866	4677198
R1525	Existing	No	397869	4677765
R1530	Existing	No	397889	4686186
R1533	Existing	No	397910	4677204
R1536	Existing	No	397917	4684087
R1539	Existing	No	397929	4677288
R1544	Existing	No	397964	4677211
R1547	Vacant regular	No	397986	4677277
R1551	Vacant regular	No	398011	4684195
R1553	Vacant regular	No	398013	4677199
R1557	Existing	No	398023	4677650
R1558	Existing	No	398031	4677492
R1559	Existing	No	398037	4677517
R1560	Existing	No	398024	4677460
R1562	Existing	No	398032	4677282
R1564	Existing	No	398040	4677434
R1565	Existing	No	398049	4677615
R1567	Vacant regular	No	398047	4677201
R1569	Existing	No	398050	4677536

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R1573	Existing	No	398068	4677592
R1575	Vacant regular	No	398071	4677284
R1577	Vacant regular	No	398078	4684346
R1579	Existing	No	398082	4677539
R1581	Existing	No	398083	4677434
R1582	Existing	No	398089	4677282
R1587	Existing	No	398098	4677584
R1588	Existing	No	398103	4677279
R1590	Existing	No	398106	4677165
R1592	Existing	No	398100	4677458
R1594	Existing	No	398120	4677278
R1595	Existing	No	398116	4677556
R1599	Vacant regular	No	398080	4684248
R1601	Existing	No	398133	4677226
R1604	Existing	No	398136	4677279
R1613	Existing	No	398111	4677225
R1614	Existing	No	398150	4677281
R1615	Existing	No	398120	4677471
R1616	Existing	No	398153	4677229
R1617	Existing	No	398151	4677508
R1620	Existing	No	398165	4677282
R1634	Existing	No	398190	4677228
R1635	Existing	No	398200	4677296
R1637	Existing	No	398192	4687428
R1639	Vacant regular	No	398577	4685410
R1642	Vacant regular	No	398201	4687279
R1646	Existing	No	398210	4677230
R1649	Existing	No	398158	4677131
R1655	Existing	Yes	398228	4684347
R1656	Existing	No	398238	4677236
R1660	Existing	No	398236	4677130
R1664	Existing	No	398246	4677293
R1668	Existing	No	398256	4677237
R1669	Existing	No	398255	4687346
R1670	Existing	No	398256	4677132
R1681	Vacant regular	No	398276	4677133
R1682	Vacant regular	No	398276	4677217
R1683	Existing	No	398276	4677289

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R1691	Existing	No	398292	4685868
R1698	Vacant regular	No	398307	4685825
R1704	Existing	No	398324	4677027
R1706	Vacant regular	No	398331	4684572
R1707	Existing	No	398303	4677190
R1711	Existing	No	398311	4677148
R1712	Existing	No	398298	4677130
R1713	Vacant regular	No	398339	4685815
R1722	Existing	No	398371	4684610
R1730	Existing	No	398398	4684539
R1745	Existing	No	398445	4684551
R1746	Existing	No	398447	4685671
R1748	Existing	No	398455	4684580
R1781	Existing	No	398544	4685772
R1789	Existing	No	398563	4684782
R1801	Existing	No	398596	4685532
R1814	Existing	No	398618	4688143
R1829	Existing	No	398649	4685434
R1844	Existing	Yes	398683	4685991
R1846	Vacant regular	No	398685	4688064
R1856	Existing	Yes	398703	4686020
R1865	Vacant regular	No	398724	4688138
R1875	Existing	No	398764	4685342
R1881	Vacant regular	No	398769	4685964
R1885	Existing	No	398805	4685288
R1899	Vacant regular	No	398842	4685232
R1909	Existing	No	398848	4685222
R1911	Existing	No	398860	4685202
R1920	Existing	No	398889	4687787
R1925	Existing	No	398900	4685164
R1930	Vacant regular	No	398934	4685018
R1938	Existing	No	398947	4685116
R1939	Existing	No	398981	4688061
R1942	Vacant regular	No	398970	4685057
R1947	Existing	No	398993	4685157
R1948	Vacant regular	No	398984	4684953
R1950	Existing	No	398988	4685001
R1956	Vacant regular	No	399005	4685092

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R1960	Existing	No	399021	4685177
R1961	Vacant regular	No	399018	4684936
R1964	Existing	No	399028	4684902
R1966	Vacant regular	No	399033	4684823
R1967	Existing	No	399040	4684794
R1971	Existing	Yes	399044	4686319
R1972	Existing	No	399046	4684878
R1975	Existing	No	399067	4685212
R1978	Existing	No	399070	4684776
R1982	Existing	No	399068	4684847
R1983	Existing	No	399085	4685164
R1984	Vacant regular	No	399086	4685244
R1991	Existing	No	399116	4684729
R1993	Existing	No	399130	4685275
R1994	Vacant regular	No	399119	4684818
R1997	Existing	No	399123	4685179
R1999	Vacant regular	No	399135	4684677
R2000	Existing	No	399124	4684876
R2005	Vacant regular	No	399151	4684833
R2008	Vacant regular	No	399157	4684676
R2010	Existing	No	399145	4684784
R2013	Vacant regular	Yes	399172	4686443
R2014	Existing	No	399144	4684901
R2015	Existing	No	399177	4684663
R2018	Existing	No	399188	4684937
R2019	Existing	No	399190	4684648
R2020	Existing	No	399200	4684782
R2022	Vacant regular	No	399195	4684848
R2023	Vacant regular	No	399196	4686218
R2028	Existing	No	399198	4684618
R2029	Existing	No	399214	4684884
R2034	Existing	No	399254	4684954
R2036	Existing	No	399227	4685389
R2037	Existing	No	399235	4684805
R2040	Existing	No	399240	4684586
R2043	Existing	No	399247	4684665
R2045	Existing	No	399264	4684555
R2046	Vacant regular	No	399256	4684517

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R2048	Existing	No	399254	4684820
R2052	Existing	No	399274	4685280
R2055	Vacant regular	No	399277	4685419
R2058	Vacant regular	No	399292	4684878
R2059	Vacant regular	No	399296	4684526
R2060	Existing	No	399299	4684627
R2064	Existing	No	399292	4684494
R2065	Existing	No	399319	4684479
R2067	Existing	No	399330	4684907
R2068	Existing	No	399321	4684832
R2070	Existing	No	399357	4684872
R2072	Existing	No	399418	4684484
R2075	Vacant regular	No	399386	4684848
R2078	Existing	No	399407	4684917
R2080	Existing	No	399423	4684375
R2085	Existing	No	399434	4684858
R2089	Existing	No	399485	4685606
R2091	Vacant regular	No	399481	4684402
R2092	Existing	No	399513	4684357
R2095	Existing	No	399531	4684330
R2098	Existing	No	399546	4684316
R2099	Existing	No	399565	4684295
R2100	Existing	No	399558	4685581
R2103	Existing	Yes	399626	4686839
R2104	Existing	No	399597	4684265
R2105	Existing	No	399622	4685728
R2108	Existing	No	399634	4684231
R2117	Existing	No	399689	4685768
R2121	Vacant regular	No	399729	4687565
R2123	Vacant regular	No	399824	4687046
R2133	Vacant regular	Yes	399812	4686903
R2135	Existing	No	399833	4685773
R2143	Vacant regular	Yes	399897	4685878
R2150	Existing	No	399970	4686033
R2164	Vacant regular	No	400136	4687308
R2167	Vacant regular	No	400161	4684098
R2172	Vacant regular	No	399741	4686854
R2175	Existing	No	400221	4684444

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R2177	Existing	No	400245	4686186
R2181	Existing	No	400298	4686116
R2183	Existing	No	400402	4686442
R2185	Existing	No	400307	4686228
R2190	Vacant regular	No	400363	4687562
R2195	Existing	No	400392	4684506
R2201	Vacant regular	Yes	400432	4684544
R2207	Existing	No	400476	4686529
R2211	Vacant regular	No	400502	4686421
R2215	Vacant regular	No	400547	4686451
R2217	Vacant regular	No	400559	4684774
R2219	Existing	Yes	400589	4686621
R2221	Existing	No	400613	4686469
R2227	Existing	No	400642	4686491
R2228	Existing	No	400682	4686579
R2230	Existing	No	400698	4686693
R2232	Existing	No	400722	4684885
R2242	Vacant regular	Yes	400830	4684481
R2243	Vacant regular	Yes	400853	4686682
R2244	Vacant regular	No	400847	4686813
R2249	Existing	No	400884	4686719
R2251	Existing	No	400871	4684911
R2253	Existing	No	400884	4686884
R2254	Existing	No	400942	4686910
R2255	Vacant regular	No	400938	4685130
R2257	Existing	No	400927	4686748
R2260	Existing	No	400980	4684999
R2264	Vacant regular	No	401017	4685301
R2270	Existing	No	401051	4685207
R2281	Vacant regular	No	401243	4685386
R2294	Vacant regular	No	401351	4684937
R2297	Existing	No	401416	4685413
R2304	Vacant regular	No	401449	4687194
R2311	Existing	No	401470	4685472
R2313	Vacant regular	No	401516	4684918
R2315	Vacant regular	No	401351	4687169
R2317	Existing	No	401531	4687524
R2318	Existing	No	401552	4687181

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R2319	Existing	Yes	401559	4685672
R2321	Existing	No	401632	4687551
R2323	Vacant regular	No	401645	4687562
R2326	Existing	No	401646	4685611
R2328	Existing	No	401688	4687585
R2332	Vacant regular	No	401678	4684538
R2344	Existing	No	401833	4687716
R2347	Existing	No	401839	4684580
R2349	Existing	No	401851	4687727
R2353	Existing	No	401858	4685771
R2359	Vacant regular	No	401912	4684278
R2360	Existing	No	401897	4687651
R2361	Existing	No	401920	4685987
R2364	Vacant regular	No	401702	4687473
R2367	Existing	No	401973	4685916
R2376	Vacant regular	Yes	402061	4685990
R2379	Existing	No	402123	4687855
R2380	Existing	No	402100	4684142
R2382	Vacant regular	No	402119	4687996
R2386	Vacant regular	Yes	402192	4684528
R2389	Existing	Yes	402209	4686237
R2391	Vacant regular	No	402232	4686056
R2392	Existing	No	402226	4688078
R2399	Existing	No	402308	4688160
R2400	Vacant regular	No	402131	4684095
R2403	Existing	No	402346	4688012
R2405	Existing	Yes	402327	4684317
R2408	Existing	No	402385	4688213
R2419	Vacant regular	No	402442	4686263
R2424	Existing	No	402460	4686371
R2426	Vacant regular	No	402471	4688299
R2429	Vacant regular	No	402500	4686486
R2435	Existing	No	402579	4688268
R2440	Existing	No	402667	4688511
R2443	Vacant regular	No	402593	4688301
R2451	Existing	No	402649	4688342
R2465	Existing	No	402710	4686566
R2470	Existing	No	402838	4688442

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R2476	Vacant regular	No	402806	4686772
R2479	Existing	No	402836	4688531
R2483	Existing	No	402884	4684739
R2484	Existing	Yes	402903	4685002
R2487	Existing	No	402950	4685026
R2490	Existing	No	402959	4686741
R2491	Existing	No	402982	4688652
R2493	Existing	No	403002	4688608
R2497	Existing	No	402827	4688689
R2498	Existing	No	403019	4684987
R2501	Existing	No	403069	4686915
R2503	Existing	No	403091	4688900
R2504	Existing	No	403103	4685166
R2505	Existing	No	403134	4687071
R2506	Vacant regular	Yes	403149	4686977
R2513	Vacant regular	No	403278	4687086
R2514	Existing	Yes	403082	4688730
R2515	Existing	No	403323	4685381
R2517	Existing	No	403371	4687129
R2518	Existing	No	403407	4688970
R2520	Vacant regular	No	403419	4687227
R2521	Existing	No	403422	4685160
R2522	Existing	No	403440	4687242
R2528	Existing	No	403504	4687401
R2529	Vacant regular	No	403562	4685592
R2530	Existing	No	403581	4689290
R2534	Existing	No	403686	4685561
R2537	Vacant regular	No	403656	4685697
R2538	Existing	No	403680	4689273
R2540	Existing	No	403714	4689298
R2541	Existing	No	403721	4687610
R2547	Existing	No	403782	4687384
R2553	Existing	No	403836	4689415
R2554	Existing	No	403858	4689430
R2562	Existing	No	403960	4687842
R2566	Existing	No	403980	4687718
R2569	Existing	No	404008	4689570
R2570	Vacant regular	No	404017	4687772

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R2576	Existing	No	404055	4687793
R2578	Existing	No	404070	4689623
R2579	Vacant regular	No	404083	4687832
R2585	Existing	No	404160	4689875
R2588	Existing	No	404176	4688039
R2589	Existing	No	404188	4687773
R2595	Existing	No	404273	4689803
R2597	Existing	No	404325	4688121
R2600	Existing	No	404349	4689883
R2601	Existing	No	404398	4687080
R2606	Vacant regular	No	404459	4688109
R2608	Existing	Yes	404468	4687118
R2611	Existing	No	404503	4690006
R2617	Existing	No	404577	4690176
R2618	Existing	No	404595	4690117
R2619	Vacant regular	No	404596	4688415
R2622	Vacant regular	No	404534	4690152
R2624	Vacant regular	Yes	404719	4686840
R2627	Vacant regular	No	404827	4686713
R2628	Vacant regular	No	404828	4686531
R2630	Vacant regular	No	404860	4690456
R2631	Existing	No	404870	4686488
R2633	Existing	No	404894	4688686
R2634	Vacant regular	No	404645	4690156
R2635	Vacant regular	No	404874	4688521
R2641	Existing	No	405011	4690471
R2642	Vacant regular	Yes	405037	4688759
R2644	Existing	No	405095	4686504
R2646	Existing	No	405095	4688834
R2647	Vacant regular	Yes	404738	4690235
R2651	Vacant regular	No	405157	4688776
R2652	Existing	No	405151	4690564
R2653	Existing	No	405161	4690716
R2654	Existing	No	405145	4686242
R2658	Existing	No	405242	4688838
R2659	Vacant regular	No	405256	4690802
R2662	Existing	No	405280	4690822
R2664	Vacant regular	No	405449	4687289

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R2668	Existing	No	405310	4686242
R2675	Existing	No	405388	4690830
R2676	Existing	No	405392	4688972
R2679	Vacant regular	No	405425	4687085
R2681	Vacant regular	Yes	405440	4688981
R2684	Existing	No	405461	4690975
R2685	Existing	No	405489	4689049
R2687	Existing	No	405494	4689201
R2688	Existing	No	405498	4687465
R2691	Existing	No	405535	4689098
R2695	Vacant regular	No	405613	4687302
R2696	Existing	No	405638	4689200
R2699	Vacant regular	No	405676	4687497
R2707	Existing	No	405739	4687550
R2712	Vacant regular	No	405799	4687467
R2717	Vacant regular	No	405844	4687662
R2719	Existing	No	405887	4689429
R2726	Vacant regular	No	406038	4689680
R2729	Existing	No	406070	4689730
R2730	Vacant regular	No	406110	4686756
R2731	Existing	No	406112	4689566
R2734	Vacant regular	Yes	406109	4687787
R2736	Vacant regular	No	406205	4687976
R2737	Existing	No	406213	4690996
R2742	Existing	No	406263	4688036
R2744	Existing	No	406294	4689904
R2747	Vacant regular	No	406357	4690485
R2748	Existing	Yes	406350	4687996
R2750	Existing	No	406363	4690955
R2752	Existing	No	406393	4689851
R2753	Existing	No	406400	4686504
R2754	Existing	No	406403	4690788
R2757	Existing	No	406481	4690695
R2758	Vacant regular	No	406486	4688247
R2760	Existing	No	406498	4690681
R2761	Existing	No	406520	4690662
R2763	Existing	No	406535	4690638
R2764	Vacant regular	Yes	406925	4686937

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R2765	Existing	No	406555	4690616
R2766	Existing	No	406565	4690144
R2767	Existing	No	406571	4690047
R2768	Existing	No	406576	4690594
R2772	Vacant regular	Yes	406622	4688406
R2775	Existing	No	406707	4690771
R2776	Vacant regular	No	406723	4686484
R2782	Existing	Yes	406840	4686721
R2783	Existing	No	406844	4690419
R2784	Vacant regular	Yes	406846	4688609
R2786	Existing	No	406875	4690282
R2787	Existing	No	406879	4690823
R2788	Existing	No	406890	4686630
R2789	Existing	No	406908	4690424
R2792	Existing	No	406894	4686775
R2793	Existing	No	406975	4690266
R2794	Existing	No	406980	4688130
R2798	Existing	No	407010	4688560
R2799	Vacant regular	No	407059	4686870
R2802	Existing	No	407325	4688366
R2805	Vacant regular	No	407285	4689730
R2806	Existing	No	407165	4687018
R2808	Vacant regular	No	407200	4688764
R2809	Existing	Yes	407203	4689999
R2811	Existing	Yes	407236	4689973
R2813	Existing	No	407253	4688950
R2815	Existing	No	407285	4688821
R2818	Existing	No	407349	4689674
R2820	Existing	No	407381	4689626
R2821	Vacant regular	No	407125	4686840
R2823	Existing	No	407419	4689581
R2824	Existing	No	407424	4689516
R2826	Existing	No	407454	4689810
R2827	Vacant regular	Yes	407468	4689756
R2833	Vacant regular	No	407559	4689517
R2834	Existing	No	407583	4689475
R2836	Existing	No	407650	4689415
R2837	Vacant regular	Yes	408426	4688121

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R2838	Vacant regular	Yes	407809	4690871
R2841	Existing	No	407736	4689479
R2843	Existing	No	407741	4687505
R2846	Vacant regular	Yes	407829	4687609
R2848	Vacant regular	No	407859	4691315
R2850	Existing	No	407886	4687512
R2851	Vacant regular	Yes	407888	4690785
R2854	Existing	No	407901	4691855
R2861	Existing	No	407973	4689028
R2862	Existing	Yes	407976	4689154
R2864	Existing	No	407984	4691679
R2865	Existing	No	407996	4690862
R2866	Vacant regular	No	408001	4687760
R2871	Existing	Yes	408034	4689101
R2872	Existing	No	408050	4691648
R2874	Vacant regular	Yes	408089	4689042
R2877	Vacant regular	No	408109	4691912
R2878	Vacant regular	No	408109	4687720
R2879	Existing	Yes	408173	4689103
R2882	Existing	No	408198	4691847
R2883	Vacant regular	Yes	407938	4690914
R2886	Vacant regular	No	408338	4687924
R2890	Existing	No	408388	4688090
R2894	Existing	Yes	408511	4688589
R2895	Existing	No	408519	4690518
R2902	Existing	No	408652	4688230
R2904	Existing	No	408678	4688245
R2906	Existing	No	408700	4688226
R2908	Existing	No	408722	4688207
R2912	Vacant regular	No	408813	4688096
R2913	Existing	No	409059	4692221
R2920	Existing	No	408883	4689985
R2927	Existing	No	408944	4687978
R2930	Existing	Yes	408978	4688066
R2935	Existing	No	409035	4689991
R2938	Vacant regular	Yes	409122	4690104
R2943	Existing	Yes	409116	4687871
R2953	Existing	Yes	409232	4690123

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R2954	Existing	No	409248	4687585
R2956	Existing	No	409273	4687769
R2957	Existing	No	409274	4687736
R2959	Existing	No	409278	4687579
R2960	Existing	No	409291	4687720
R2962	Existing	No	409308	4687701
R2964	Existing	No	409320	4687408
R2965	Existing	No	409338	4687427
R2966	Existing	No	409328	4687682
R2968	Vacant regular	No	409409	4691650
R2971	Existing	No	409348	4687657
R2972	Existing	No	409349	4687373
R2974	Existing	No	409363	4687541
R2975	Existing	No	409368	4687630
R2976	Existing	No	409378	4687524
R2978	Existing	No	409387	4687327
R2979	Existing	No	409387	4687613
R2980	Existing	No	409375	4687378
R2981	Existing	No	409392	4687496
R2982	Existing	No	409399	4687479
R2983	Existing	No	409398	4687580
R2986	Existing	No	409405	4691483
R2987	Existing	No	409419	4687308
R2988	Existing	No	409426	4687575
R2990	Existing	No	409467	4687546
R2992	Vacant regular	No	409505	4687480
R2993	Existing	No	409505	4687454
R2994	Vacant regular	No	409542	4687428
R2995	Vacant regular	No	409551	4687462
R2996	Vacant regular	No	409565	4687393
R2998	Existing	No	409574	4687425
R3001	Existing	No	409587	4687445
R3002	Existing	No	409609	4687482
R3003	Vacant regular	No	409594	4691532
R3004	Existing	No	409598	4687461
R3005	Vacant regular	No	409600	4687361
R3006	Vacant regular	No	409609	4687566
R3007	Existing	No	409626	4687507

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R3008	Existing	No	409638	4687521
R3009	Existing	No	409650	4687541
R3010	Existing	No	409664	4687560
R3011	Existing	No	409674	4687587
R3013	Existing	No	409691	4687607
R3014	Vacant regular	No	409701	4687622
R3019	Existing	No	409761	4687745
R3020	Existing	No	409777	4691045
R3021	Existing	No	409792	4687766
R3022	Existing	No	409803	4687785
R3023	Vacant regular	No	409898	4689574
R3025	Existing	No	409821	4687807
R3026	Vacant regular	No	409849	4691354
R3027	Vacant regular	Yes	410215	4690954
R3028	Existing	No	409858	4689508
R3029	Vacant regular	No	409864	4687379
R3030	Vacant regular	Yes	409874	4688436
R3033	Existing	No	409895	4687997
R3036	Vacant regular	No	409790	4687474
R3040	Existing	No	410081	4689433
R3042	Existing	No	410094	4688293
R3044	Existing	No	410129	4688176
R3049	Existing	No	410256	4690913
R3050	Existing	No	410262	4688705
R3052	Existing	No	410282	4688431
R3054	Existing	No	410299	4688455
R3055	Existing	No	410305	4692533
R3058	Existing	No	410384	4692698
R3059	Existing	No	410371	4692526
R3060	Existing	No	410389	4692508
R3061	Existing	No	410385	4688514
R3063	Existing	No	410490	4692570
R3065	Vacant regular	No	410484	4688736
R3066	Existing	Yes	410494	4688855
R3068	Existing	No	410517	4692402
R3069	Existing	No	410517	4692528
R3071	Existing	No	410559	4692071
R3073	Existing	No	410638	4692189

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R3075	Existing	No	410712	4692530
R3079	Vacant regular	No	410734	4689012
R3080	Vacant regular	No	410737	4689179
R3082	Vacant regular	No	410792	4692217
R3083	Existing	No	410796	4692308
R3084	Vacant regular	No	410800	4690415
R3086	Existing	No	410861	4689200
R3088	Vacant regular	No	411034	4689635
R3089	Existing	No	410898	4689447
R3090	Vacant regular	No	410916	4692263
R3093	Existing	No	410950	4692109
R3094	Existing	No	410964	4692867
R3095	Vacant regular	No	410886	4688896
R3097	Existing	No	411077	4689483
R3098	Existing	Yes	411079	4692018
R3099	Existing	No	411035	4692932
R3101	Existing	No	411102	4692258
R3103	Existing	No	411149	4692346
R3104	Existing	No	411137	4688707
R3105	Vacant regular	No	411171	4689125
R3106	Vacant regular	No	411195	4693010
R3110	Existing	Yes	411275	4691861
R3111	Existing	No	411310	4690040
R3112	Existing	Yes	411313	4691872
R3113	Existing	No	411369	4688628
R3117	Existing	Yes	411499	4691835
R3118	Vacant regular	No	411511	4693408
R3119	Existing	No	411545	4689938
R3120	Existing	No	411538	4690418
R3121	Vacant regular	No	411545	4688451
R3122	Vacant regular	Yes	411552	4691699
R3125	Existing	No	411670	4690451
R3127	Existing	No	411601	4690520
R3128	Existing	No	411769	4688279
R3132	Vacant regular	No	411903	4689795
R3133	Existing	No	411917	4693226
R3135	Vacant regular	Yes	411945	4691565
R3136	Vacant regular	No	411953	4691042

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R3138	Existing	No	412005	4689644
R3139	Existing	Yes	412023	4691485
R3140	Vacant regular	No	412023	4693145
R3141	Vacant regular	No	412032	4689730
R3143	Vacant regular	No	412049	4689724
R3144	Existing	No	412071	4693015
R3145	Existing	No	412099	4689679
R3146	Existing	No	412118	4689677
R3148	Existing	No	412195	4689634
R3150	Existing	No	412230	4689707
R3151	Existing	No	412232	4693016
R3152	Existing	No	412242	4692907
R3154	Vacant regular	Yes	412024	4690992
R3156	Existing	No	412338	4692961
R3157	Vacant regular	Yes	412241	4689585
R3159	Existing	No	412394	4688285
R3161	Vacant regular	No	412436	4689618
R3164	Existing	No	412557	4687723
R3165	Existing	No	412591	4688568
R3166	Existing	No	412670	4692896
R3167	Existing	No	412676	4692592
R3168	Existing	No	412716	4688894
R3169	Existing	No	412729	4688764
R3172	Existing	No	412787	4692639
R3175	Vacant regular	Yes	412868	4690953
R3176	Existing	No	412870	4690789
R3178	Existing	Yes	412979	4691048
R3179	Vacant regular	No	413067	4692366
R3181	Existing	Yes	413105	4692433
R3186	Existing	No	413277	4690418
R3187	Existing	No	413292	4689602
R3188	Existing	No	413318	4689620
R3189	Existing	Yes	413331	4691850
R3191	Existing	No	413350	4689832
R3192	Existing	No	413379	4692249
R3193	Existing	No	413388	4689872
R3195	Existing	No	413460	4689718
R3196	Vacant regular	No	413461	4694850

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R3197	Existing	No	413482	4689753
R3198	Existing	No	413483	4690545
R3199	Existing	No	413491	4692176
R3200	Vacant regular	No	413517	4689890
R3201	Existing	No	413554	4692144
R3203	Vacant regular	No	412825	4692610
R3205	Existing	No	413704	4690249
R3206	Vacant regular	No	413743	4694499
R3208	Vacant regular	No	413869	4692444
R3210	Existing	No	413883	4692012
R3211	Existing	No	413914	4690217
R3213	Existing	No	414025	4690157
R3214	Vacant regular	No	414401	4693032
R3215	Existing	No	413671	4694789
R3218	Existing	No	414122	4689901
R3219	Existing	Yes	414123	4690095
R3220	Existing	No	414128	4694542
R3221	Vacant regular	No	414204	4691848
R3222	Existing	No	414232	4692741
R3224	Existing	No	414235	4690006
R3226	Vacant regular	No	414248	4689869
R3227	Existing	No	414286	4691920
R3228	Existing	No	414326	4689816
R3230	Existing	No	414362	4689931
R3231	Existing	Yes	414371	4691208
R3232	Existing	Yes	414403	4691281
R3234	Existing	No	414427	4689765
R3235	Existing	No	414460	4691698
R3236	Existing	No	414464	4692971
R3239	Vacant regular	No	414500	4691529
R3240	Vacant regular	Yes	414225	4691927
R3241	Existing	No	414475	4695035
R3243	Existing	No	414565	4694992
R3244	Existing	No	414580	4689671
R3245	Existing	No	414602	4689739
R3246	Existing	No	414614	4689632
R3248	Existing	Yes	414682	4693339
R3250	Existing	No	414762	4693422

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R3251	Existing	No	414785	4691540
R3253	Vacant regular	No	414844	4689589
R3254	Existing	No	414845	4689447
R3258	Vacant regular	No	414912	4693244
R3259	Vacant regular	Yes	415166	4690905
R3260	Existing	No	414931	4689523
R3261	Vacant regular	No	414953	4693203
R3262	Vacant regular	Yes	414970	4692092
R3263	Existing	No	415006	4689487
R3264	Vacant regular	No	415015	4689356
R3266	Vacant regular	Yes	415069	4691748
R3267	Vacant regular	No	415100	4689409
R3269	Existing	No	415130	4693749
R3270	Existing	No	415136	4689388
R3271	Existing	No	415142	4691279
R3272	Existing	No	415165	4689274
R3273	Vacant regular	Yes	415198	4692591
R3274	Existing	No	415214	4689251
R3276	Vacant regular	No	414872	4693404
R3277	Existing	Yes	415368	4689248
R3278	Existing	No	415376	4689108
R3282	Existing	No	415453	4692649
R3283	Existing	No	415454	4692777
R3284	Existing	No	415471	4694076
R3286	Existing	No	415517	4688940
R3287	Vacant regular	No	415523	4692441
R3288	Existing	No	415595	4692470
R3290	Existing	No	415627	4688867
R3291	Existing	Yes	415649	4689052
R3292	Existing	No	415678	4692322
R3293	Existing	No	415684	4694013
R3294	Vacant regular	No	415746	4692421
R3296	Vacant regular	Yes	415758	4690345
R3297	Existing	No	415827	4688645
R3298	Existing	No	415835	4688946
R3299	Vacant regular	No	415894	4694434
R3300	Vacant regular	No	415910	4688879
R3302	Existing	No	415933	4694469

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R3304	Existing	No	415931	4688277
R3305	Existing	No	415978	4694213
R3306	Existing	Yes	416061	4691837
R3307	Existing	No	416061	4692190
R3308	Vacant regular	No	416071	4694421
R3309	Existing	No	416105	4694447
R3311	Vacant regular	Yes	416285	4694691
R3313	Existing	Yes	416256	4688718
R3314	Vacant regular	No	416272	4694775
R3315	Vacant regular	No	416286	4688501
R3316	Existing	Yes	416293	4693101
R3317	Existing	No	416312	4696590
R3318	Vacant regular	No	416390	4694790
R3320	Existing	No	416343	4696614
R3321	Existing	No	416344	4688592
R3323	Existing	No	416345	4697084
R3326	Existing	No	416423	4692988
R3327	Vacant regular	No	416466	4694819
R3328	Vacant regular	No	416477	4688391
R3329	Existing	No	416482	4688470
R3330	Existing	Yes	416509	4691369
R3331	Existing	No	416547	4688469
R3332	Vacant regular	No	416558	4688313
R3333	Existing	No	416627	4693192
R3334	Vacant regular	No	416636	4688265
R3336	Existing	No	416677	4688250
R3337	Vacant regular	No	416689	4697035
R3338	Existing	No	416660	4688517
R3339	Existing	No	416743	4696769
R3340	Existing	No	416752	4695206
R3341	Existing	No	416753	4695206
R3342	Vacant regular	Yes	416757	4691157
R3343	Vacant regular	No	416762	4688184
R3344	Existing	No	416804	4691109
R3345	Vacant regular	No	416807	4691533
R3346	Existing	No	416837	4693364
R3347	Vacant regular	No	416848	4697176
R3348	Existing	No	416926	4691028

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R3349	Existing	No	416933	4693433
R3350	Existing	No	416940	4696567
R3351	Vacant regular	No	416962	4697284
R3352	Existing	No	416963	4695280
R3353	Vacant regular	No	416971	4691079
R3354	Existing	No	417102	4688128
R3355	Existing	No	417152	4691674
R3356	Existing	No	417157	4695585
R3357	Vacant regular	No	417181	4697488
R3359	Existing	No	417228	4688298
R3360	Existing	Yes	417229	4691906
R3361	Existing	No	417236	4695508
R3362	Vacant regular	No	417240	4689081
R3363	Existing	No	417262	4690605
R3365	Existing	No	417258	4688362
R3367	Vacant regular	No	417298	4697493
R3368	Existing	No	417301	4689038
R3369	Vacant regular	No	417332	4697620
R3370	Vacant regular	No	417341	4688460
R3371	Existing	No	417357	4698037
R3372	Vacant regular	No	417376	4688521
R3373	Existing	No	417381	4691930
R3375	Vacant regular	No	417411	4695919
R3376	Existing	No	417414	4688568
R3377	Existing	No	417419	4690255
R3378	Existing	No	417437	4688605
R3379	Existing	No	417445	4688652
R3380	Vacant regular	No	417467	4690552
R3381	Vacant regular	No	417513	4695752
R3383	Existing	Yes	417581	4694132
R3384	Existing	No	417588	4690402
R3385	Existing	No	417598	4695831
R3386	Existing	No	417601	4689415
R3387	Vacant regular	No	417610	4695988
R3388	Existing	No	417664	4696038
R3389	Vacant regular	Yes	417667	4692147
R3390	Existing	Yes	417697	4692305
R3391	Existing	No	417558	4689407

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R3392	Existing	No	417775	4695835
R3395	Vacant regular	No	417790	4698030
R3396	Existing	No	417799	4696060
R3400	Vacant regular	No	417847	4690446
R3401	Existing	Yes	417853	4694373
R3403	Existing	No	417884	4696081
R3404	Vacant regular	No	417891	4689307
R3405	Existing	No	417897	4690524
R3406	Vacant regular	No	417927	4689897
R3408	Vacant regular	No	417933	4698047
R3409	Vacant regular	Yes	418031	4692632
R3410	Existing	Yes	417999	4696203
R3411	Existing	Yes	418003	4696353
R3413	Vacant regular	Yes	418037	4692507
R3414	Vacant regular	No	417988	4690613
R3415	Existing	Yes	418067	4694554
R3417	Vacant regular	Yes	418068	4690792
R3418	Vacant regular	Yes	418089	4692563
R3419	Vacant regular	Yes	418113	4696150
R3420	Vacant regular	No	418128	4698253
R3424	Vacant regular	Yes	418220	4694568
R3425	Existing	Yes	418248	4696602
R3427	Vacant regular	Yes	418433	4692994
R3429	Vacant regular	No	418418	4697788
R3431	Existing	Yes	418455	4696419
R3436	Existing	No	418514	4694714
R3437	Existing	Yes	418517	4696800
R3438	Existing	No	418469	4698571
R3439	Existing	No	418540	4694787
R3441	Existing	No	418542	4694695
R3446	Existing	No	418572	4694667
R3449	Existing	No	418587	4694650
R3450	Vacant regular	No	418588	4697967
R3451	Existing	No	418599	4694634
R3452	Vacant regular	Yes	418601	4694716
R3453	Existing	No	418614	4694565
R3456	Existing	No	418622	4694610
R3457	Vacant regular	No	418613	4693254

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R3458	Existing	No	418630	4694669
R3459	Vacant regular	Yes	418369	4690789
R3460	Existing	No	418660	4694636
R3461	Vacant regular	No	418823	4691212
R3464	Existing	Yes	418685	4694452
R3466	Existing	Yes	418692	4696685
R3467	Existing	No	418682	4694618
R3468	Existing	Yes	418697	4697012
R3469	Vacant regular	No	418707	4693295
R3472	Vacant regular	Yes	418756	4694544
R3480	Existing	No	418805	4694503
R3482	Existing	No	418814	4689988
R3489	Vacant regular	Yes	418559	4691011
R3494	Vacant regular	Yes	418720	4693151
R3498	Existing	No	418986	4697264
R3500	Existing	Yes	419007	4692282
R3506	Vacant regular	Yes	419056	4695341
R3508	Vacant regular	No	419067	4690321
R3510	Vacant regular	No	419218	4691675
R3514	Existing	No	419136	4694006
R3515	Vacant regular	No	418893	4691268
R3517	Existing	Yes	419174	4695460
R3518	Vacant regular	No	419191	4697497
R3519	Vacant regular	No	419193	4697278
R3522	Vacant regular	No	419248	4690522
R3523	Vacant regular	No	419273	4697357
R3524	Existing	No	419285	4693962
R3525	Vacant regular	Yes	419310	4694963
R3532	Existing	No	419361	4690568
R3535	Existing	No	419370	4697114
R3536	Vacant regular	No	419372	4690696
R3538	Vacant regular	No	419378	4693848
R3542	Existing	No	419421	4690649
R3543	Vacant regular	Yes	419427	4691899
R3544	Existing	No	419441	4693654
R3549	Vacant regular	No	419476	4690823
R3551	Existing	No	419482	4690689
R3554	Vacant regular	Yes	419508	4693699

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R3557	Existing	No	419520	4692560
R3558	Vacant regular	No	419527	4695866
R3560	Vacant regular	No	419559	4692167
R3562	Vacant regular	No	419563	4692046
R3563	Vacant regular	No	419569	4695812
R3564	Existing	No	419570	4698015
R3571	Existing	No	419635	4691036
R3573	Vacant regular	No	419653	4693546
R3574	Existing	Yes	419663	4696926
R3575	Vacant regular	No	419685	4690977
R3578	Existing	No	419732	4696055
R3583	Vacant regular	No	419785	4692249
R3584	Existing	Yes	419793	4691266
R3585	Vacant regular	No	419800	4695993
R3588	Vacant regular	No	419865	4696053
R3589	Existing	Yes	419887	4692894
R3593	Vacant regular	No	419921	4691456
R3596	Vacant regular	Yes	419955	4693121
R3598	Existing	No	420358	4685771
R3599	Existing	No	419966	4691476
R3603	Existing	No	420003	4698413
R3604	Existing	Yes	420005	4693093
R3607	Vacant regular	No	420060	4691498
R3608	Vacant regular	No	420061	4698328
R3609	Existing	No	420067	4691665
R3612	Vacant regular	No	419837	4697903
R3614	Existing	Yes	420108	4696538
R3615	Existing	Yes	420122	4693080
R3617	Vacant regular	No	420145	4700361
R3618	Existing	No	420395	4700061
R3619	Vacant regular	No	420182	4700430
R3621	Vacant regular	No	420203	4692620
R3623	Vacant regular	No	420223	4698421
R3624	Existing	No	420225	4698219
R3627	Existing	No	420267	4698191
R3629	Vacant regular	Yes	420284	4694551
R3630	Existing	No	420259	4685824
R3632	Existing	No	420343	4698199

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R3634	Vacant regular	Yes	420366	4694750
R3636	Existing	No	420397	4692027
R3637	Existing	No	420430	4692077
R3638	Existing	No	420366	4700299
R3639	Existing	No	420490	4696105
R3643	Vacant regular	No	420480	4697932
R3645	Existing	No	420499	4685699
R3646	Existing	Yes	420500	4694762
R3648	Vacant regular	No	420538	4698911
R3649	Existing	No	420547	4692206
R3650	Existing	No	420554	4685608
R3652	Existing	No	420563	4692226
R3654	Existing	No	420608	4700526
R3656	Existing	No	420608	4697926
R3660	Existing	No	420559	4701126
R3664	Existing	No	420669	4695688
R3666	Existing	No	420689	4699079
R3667	Vacant regular	Yes	420708	4693165
R3668	Existing	No	420712	4695638
R3671	Existing	No	420739	4685534
R3672	Vacant regular	No	420741	4692276
R3673	Existing	No	420752	4685633
R3674	Existing	No	420628	4686060
R3675	Existing	No	420763	4700832
R3676	Existing	No	420765	4692242
R3678	Existing	No	420799	4692302
R3679	Existing	No	420793	4697602
R3681	Vacant regular	No	420803	4685478
R3683	Existing	No	420822	4694975
R3685	Existing	No	420854	4700750
R3686	Vacant regular	No	420838	4697543
R3688	Vacant regular	No	420863	4695008
R3689	Vacant regular	Yes	420864	4696005
R3690	Existing	No	420826	4700846
R3691	Existing	No	420873	4692677
R3694	Existing	No	420911	4685392
R3695	Existing	No	420921	4699271
R3697	Vacant regular	No	420939	4693406

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R3699	Vacant regular	No	421002	4692625
R3701	Vacant regular	No	421014	4686299
R3703	Existing	No	421051	4687112
R3704	Existing	No	421093	4685276
R3706	Existing	No	421079	4692311
R3707	Vacant regular	No	421089	4699300
R3709	Existing	No	421107	4699409
R3710	Existing	No	421128	4686342
R3711	Existing	No	421180	4692814
R3713	Existing	No	421148	4692347
R3716	Existing	No	421217	4701290
R3717	Existing	No	421164	4693000
R3719	Vacant regular	No	421193	4686280
R3720	Vacant regular	No	421204	4696123
R3721	Existing	No	421311	4685380
R3723	Vacant regular	No	421234	4697094
R3725	Vacant regular	No	421239	4691692
R3729	Existing	No	421287	4693099
R3735	Vacant regular	Yes	421480	4694751
R3736	Existing	No	421395	4701165
R3737	Existing	No	421329	4686518
R3739	Existing	No	421355	4685083
R3740	Existing	No	421364	4696377
R3743	Existing	No	421460	4701412
R3744	Existing	No	421412	4685052
R3745	Existing	No	421438	4697676
R3746	Vacant regular	No	421426	4699373
R3747	Existing	No	421434	4692057
R3748	Existing	No	421348	4693055
R3749	Vacant regular	Yes	421171	4695266
R3750	Vacant regular	No	421482	4693319
R3751	Existing	No	421457	4693285
R3752	Existing	No	421458	4691823
R3753	Vacant regular	No	421465	4697590
R3754	Vacant regular	No	421470	4684985
R3755	Existing	No	421487	4691859
R3756	Existing	No	421503	4686620
R3758	Existing	No	421520	4698993

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R3759	Vacant regular	Yes	421543	4696762
R3760	Vacant regular	No	421547	4686736
R3762	Existing	No	421553	4698958
R3763	Existing	No	421540	4684960
R3764	Existing	No	421579	4684921
R3765	Existing	No	421558	4701553
R3767	Existing	No	421630	4696832
R3769	Vacant regular	Yes	421939	4694301
R3770	Vacant regular	Yes	421609	4694790
R3771	Existing	No	421649	4686775
R3773	Vacant regular	Yes	421364	4697117
R3774	Existing	No	421672	4693417
R3777	Existing	No	421675	4699563
R3778	Existing	No	421680	4686734
R3779	Vacant regular	No	421693	4696725
R3780	Existing	No	421696	4686636
R3781	Vacant regular	No	421722	4686540
R3782	Existing	No	421732	4694483
R3783	Existing	No	421706	4684810
R3784	Existing	No	421737	4693582
R3786	Existing	No	422108	4701574
R3787	Existing	Yes	421776	4698529
R3788	Existing	No	421777	4686714
R3789	Vacant regular	Yes	422047	4686309
R3790	Existing	No	421788	4686725
R3792	Vacant regular	No	421802	4696649
R3793	Vacant regular	No	421806	4701742
R3794	Existing	No	421853	4690764
R3795	Existing	Yes	421376	4685177
R3796	Existing	No	421817	4692210
R3797	Existing	No	421826	4686851
R3799	Existing	No	421845	4693565
R3800	Existing	No	421833	4690692
R3801	Existing	No	421849	4699748
R3803	Existing	No	421890	4686531
R3804	Vacant regular	No	421859	4697979
R3806	Existing	No	421905	4698006
R3807	Existing	No	421923	4696360

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R3808	Existing	No	421930	4687257
R3809	Existing	No	421938	4686954
R3812	Existing	No	421967	4687241
R3813	Existing	No	421967	4690354
R3814	Existing	No	421971	4686349
R3815	Vacant regular	Yes	421813	4694565
R3816	Existing	No	421986	4686824
R3818	Vacant regular	No	422011	4686863
R3819	Vacant regular	No	422054	4686904
R3820	Existing	No	422015	4701635
R3821	Vacant regular	No	422064	4698247
R3822	Vacant regular	No	422071	4692600
R3823	Existing	No	422079	4693848
R3824	Existing	Yes	422096	4700440
R3825	Existing	No	422107	4686928
R3826	Vacant regular	No	422101	4684582
R3827	Vacant regular	No	422117	4693746
R3828	Vacant regular	No	422117	4698190
R3829	Vacant regular	Yes	422120	4684777
R3830	Existing	No	422140	4684651
R3831	Vacant regular	No	422143	4692660
R3833	Existing	No	422149	4686933
R3834	Existing	No	422164	4687160
R3835	Existing	No	422164	4690915
R3837	Existing	No	422188	4690596
R3838	Existing	No	422188	4693811
R3840	Existing	Yes	422204	4698235
R3841	Existing	No	422216	4690686
R3842	Existing	No	422218	4690889
R3844	Existing	No	422235	4698497
R3846	Existing	No	422245	4687144
R3847	Vacant regular	No	422248	4692540
R3848	Existing	No	422255	4696112
R3849	Existing	No	422270	4687078
R3850	Existing	No	422281	4684409
R3853	Vacant regular	Yes	422300	4697992
R3854	Existing	No	422334	4692440
R3857	Existing	No	422398	4687152

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R3858	Vacant regular	No	422402	4690987
R3859	Existing	No	422397	4684472
R3860	Existing	No	422432	4690674
R3861	Existing	No	422434	4700277
R3863	Existing	No	422454	4685674
R3864	Existing	No	422461	4691105
R3865	Vacant regular	No	422467	4698507
R3866	Vacant regular	Yes	422485	4695749
R3869	Vacant regular	No	422499	4695849
R3871	Existing	No	422538	4694202
R3872	Existing	No	422511	4692311
R3874	Existing	No	422527	4695711
R3875	Existing	No	422530	4695820
R3876	Existing	No	422532	4689268
R3882	Vacant regular	Yes	422224	4696156
R3884	Vacant regular	No	422629	4691134
R3886	Existing	No	422636	4690357
R3887	Vacant regular	Yes	422728	4697536
R3890	Vacant regular	Yes	422374	4698047
R3891	Existing	Yes	422662	4690858
R3892	Vacant regular	No	422664	4695684
R3894	Vacant regular	No	422680	4690140
R3895	Existing	No	422701	4691220
R3896	Vacant regular	Yes	422880	4697364
R3898	Existing	No	422695	4691129
R3899	Vacant regular	No	422715	4689371
R3901	Existing	No	422714	4694219
R3904	Existing	No	422763	4700692
R3905	Vacant regular	No	422764	4685685
R3906	Vacant regular	No	422765	4691151
R3909	Existing	No	422775	4691220
R3910	Existing	No	422780	4691242
R3911	Vacant regular	No	422788	4697658
R3913	Existing	No	422807	4689441
R3914	Existing	No	423591	4688508
R3915	Existing	No	422827	4691199
R3920	Existing	No	422841	4695350
R3922	Existing	No	422848	4697400

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R3923	Existing	No	422851	4698694
R3924	Existing	No	422868	4700873
R3925	Vacant regular	No	422876	4685804
R3926	Existing	No	422887	4695314
R3927	Existing	No	422926	4693234
R3929	Vacant regular	No	422943	4694546
R3931	Existing	No	422958	4698589
R3932	Existing	No	422975	4700618
R3933	Existing	No	423003	4689478
R3934	Existing	No	423007	4691503
R3936	Vacant regular	No	423043	4685809
R3937	Existing	No	423027	4691306
R3940	Vacant regular	Yes	423052	4691560
R3943	Vacant regular	No	422177	4686949
R3946	Vacant regular	No	423192	4691710
R3949	Existing	No	423136	4691702
R3950	Existing	Yes	423151	4693200
R3952	Vacant regular	No	423339	4692780
R3953	Existing	No	423188	4694982
R3955	Vacant regular	No	423230	4691237
R3957	Vacant regular	Yes	423182	4691188
R3958	Existing	No	423253	4694920
R3959	Existing	No	423267	4691138
R3960	Existing	No	423314	4696861
R3961	Vacant regular	Yes	423702	4689148
R3962	Existing	No	423317	4695096
R3965	Existing	No	423346	4691182
R3966	Existing	No	423349	4694822
R3970	Existing	No	423364	4694934
R3971	Existing	No	423393	4692730
R3972	Existing	No	423414	4694754
R3973	Existing	No	423438	4694846
R3974	Existing	No	423425	4691163
R3979	Existing	No	423484	4697449
R3981	Existing	Yes	423493	4696833
R3982	Existing	No	423495	4696658
R3984	Existing	Yes	423511	4691061
R3988	Existing	No	423530	4695104

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R3991	Existing	No	423550	4697678
R3993	Existing	No	423570	4697450
R3999	Existing	No	423626	4695360
R4001	Existing	Yes	423650	4694162
R4005	Existing	Yes	423653	4691084
R4006	Vacant regular	No	423674	4696472
R4009	Existing	No	423697	4695475
R4012	Existing	No	423745	4692172
R4014	Existing	No	423724	4689122
R4015	Existing	No	423729	4688383
R4017	Existing	No	423740	4696371
R4020	Vacant regular	No	423772	4692085
R4022	Existing	No	423794	4695429
R4023	Existing	No	423792	4695553
R4026	Vacant regular	No	423838	4692148
R4027	Existing	No	423846	4695508
R4028	Existing	No	423870	4694362
R4031	Vacant regular	Yes	424016	4688699
R4032	Existing	No	423818	4694159
R4034	Existing	No	423879	4694886
R4035	Vacant regular	No	423878	4692338
R4037	Vacant regular	No	424285	4692700
R4038	Vacant regular	No	423925	4688325
R4039	Existing	No	423928	4691295
R4041	Existing	No	423956	4695609
R4042	Existing	No	423958	4695734
R4044	Vacant regular	Yes	424454	4689113
R4046	Existing	No	423966	4688745
R4047	Existing	No	423967	4688348
R4048	Vacant regular	No	424130	4691321
R4050	Vacant regular	Yes	424114	4688518
R4051	Existing	No	424010	4696231
R4052	Existing	No	424023	4688380
R4053	Vacant regular	No	423952	4692271
R4054	Existing	No	424038	4688400
R4055	Existing	No	424079	4695893
R4057	Existing	No	424082	4694038
R4058	Existing	No	424072	4688422

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R4059	Existing	No	424076	4688630
R4060	Existing	No	424084	4688729
R4061	Existing	No	424104	4688608
R4062	Existing	No	424105	4688361
R4065	Existing	No	424124	4688578
R4066	Vacant regular	Yes	424125	4692426
R4070	Existing	No	424134	4688462
R4071	Vacant regular	No	424142	4688783
R4072	Existing	No	424146	4688539
R4074	Existing	No	424234	4688394
R4075	Vacant regular	Yes	424565	4689189
R4076	Existing	No	424178	4688613
R4077	Vacant regular	Yes	424201	4692628
R4079	Existing	No	424187	4688503
R4080	Existing	No	424190	4688821
R4082	Existing	No	424206	4688431
R4084	Existing	No	424219	4688762
R4085	Existing	No	424220	4688563
R4087	Existing	No	424237	4688544
R4089	Vacant regular	No	424124	4694100
R4093	Existing	No	424275	4688559
R4094	Existing	No	424279	4688504
R4096	Vacant regular	No	424291	4691390
R4098	Existing	No	424298	4688465
R4100	Existing	No	424316	4688811
R4101	Existing	No	424326	4688603
R4102	Existing	No	424352	4692719
R4105	Vacant regular	No	424344	4688524
R4106	Existing	No	424331	4688437
R4109	Vacant regular	No	424363	4688399
R4111	Vacant regular	Yes	424328	4688333
R4113	Existing	No	424379	4688366
R4114	Existing	No	424377	4693692
R4116	Existing	No	424397	4688552
R4119	Existing	No	424407	4693772
R4127	Existing	No	424528	4688656
R4130	Vacant regular	No	424550	4688778
R4134	Vacant regular	No	424577	4691524

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R4140	Vacant regular	Yes	424597	4687358
R4141	Existing	No	424604	4687257
R4142	Existing	No	424605	4688726
R4143	Existing	No	424621	4689217
R4144	Existing	No	424625	4687285
R4146	Existing	No	424641	4688839
R4150	Vacant regular	No	424374	4693820
R4158	Existing	No	424689	4688877
R4159	Existing	No	424706	4693324
R4163	Existing	No	424729	4687446
R4165	Existing	No	424725	4687903
R4171	Existing	No	424739	4687454
R4172	Existing	No	424806	4687729
R4175	Existing	No	424826	4688969
R4178	Existing	Yes	424836	4689430
R4181	Vacant regular	No	424860	4687580
R4182	Vacant regular	No	424886	4689021
R4183	Existing	No	424895	4687608
R4184	Vacant regular	No	424889	4687718
R4185	Existing	No	424903	4688934
R4188	Existing	No	424919	4687785
R4189	Vacant regular	No	424926	4691650
R4190	Existing	No	425017	4691748
R4195	Existing	No	424993	4691667
R4196	Existing	No	425002	4689115
R4197	Vacant regular	Yes	425003	4689588
R4200	Vacant regular	Yes	425473	4690027
R4201	Vacant regular	No	425022	4687710
R4203	Existing	No	425048	4687676
R4204	Vacant regular	No	425056	4691399
R4205	Existing	No	425057	4689634
R4207	Vacant regular	Yes	424757	4693412
R4211	Existing	No	425113	4687628
R4212	Vacant regular	No	424946	4687664
R4213	Vacant regular	No	425124	4694912
R4217	Vacant regular	No	425143	4689085
R4218	Existing	No	425153	4687450
R4220	Existing	No	425173	4689730

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R4223	Existing	No	425185	4695006
R4226	Existing	No	425252	4692763
R4227	Existing	No	425209	4694840
R4232	Existing	No	425222	4687579
R4234	Existing	No	425226	4687156
R4239	Vacant regular	No	425265	4689717
R4241	Existing	Yes	425280	4692856
R4242	Existing	No	425272	4691877
R4244	Vacant regular	No	425291	4691775
R4248	Vacant regular	No	425072	4693062
R4249	Existing	No	425334	4687253
R4250	Vacant regular	Yes	425339	4689889
R4251	Vacant regular	No	425360	4692269
R4252	Vacant regular	No	425373	4689821
R4253	Existing	No	425380	4689984
R4254	Existing	No	425394	4689235
R4256	Vacant regular	No	425724	4694284
R4259	Vacant regular	No	425427	4689416
R4262	Vacant regular	No	425449	4691885
R4264	Vacant regular	No	425471	4689336
R4265	Existing	Yes	425496	4688016
R4266	Vacant regular	No	425507	4691411
R4268	Existing	No	425520	4694501
R4272	Vacant regular	No	425561	4689392
R4274	Existing	No	425568	4687023
R4275	Existing	No	425568	4694602
R4276	Vacant regular	No	425574	4691710
R4278	Existing	No	425623	4694403
R4279	Existing	No	425612	4689430
R4281	Existing	No	425639	4689606
R4282	Vacant regular	No	425495	4694646
R4283	Vacant regular	No	425642	4689439
R4284	Vacant regular	No	425772	4694234
R4285	Existing	No	425656	4692334
R4287	Vacant regular	No	425667	4692023
R4288	Existing	Yes	425678	4690231
R4290	Existing	No	425688	4692154
R4291	Existing	No	425692	4692297

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R4292	Existing	No	425701	4692045
R4293	Vacant regular	Yes	425432	4689279
R4294	Existing	No	425710	4692287
R4296	Existing	No	425730	4686297
R4297	Existing	No	425737	4689511
R4298	Existing	No	425746	4692081
R4299	Vacant regular	No	425750	4692149
R4300	Existing	No	425751	4689714
R4302	Existing	No	425762	4692229
R4303	Existing	No	425782	4692102
R4305	Existing	No	425740	4694430
R4306	Existing	No	425791	4692194
R4307	Existing	No	425814	4686926
R4309	Existing	No	425826	4686707
R4310	Existing	No	425835	4689582
R4312	Vacant regular	No	425844	4688361
R4313	Vacant regular	No	425846	4686864
R4315	Existing	No	425855	4692129
R4316	Vacant regular	Yes	425879	4690417
R4317	Vacant regular	No	425873	4689640
R4319	Existing	No	425874	4689757
R4320	Existing	No	425882	4692186
R4322	Existing	No	425936	4692011
R4323	Vacant regular	Yes	425696	4692430
R4326	Existing	No	426043	4689739
R4329	Vacant regular	No	426074	4689866
R4333	Existing	No	426360	4688406
R4335	Existing	No	426133	4686777
R4336	Existing	No	426149	4686708
R4337	Existing	No	426152	4693825
R4339	Existing	No	426173	4686583
R4341	Vacant regular	No	426192	4688702
R4344	Existing	No	426198	4692291
R4346	Existing	No	426226	4686611
R4347	Existing	No	426240	4691814
R4349	Vacant regular	No	426244	4692073
R4351	Existing	No	426270	4686817
R4352	Existing	No	426274	4686555

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R4354	Existing	No	426294	4686785
R4359	Existing	No	426355	4686890
R4360	Vacant regular	Yes	426377	4692582
R4361	Existing	No	426379	4686853
R4362	Vacant regular	No	425947	4694229
R4363	Existing	No	426382	4690098
R4365	Existing	No	426452	4687153
R4366	Existing	No	426380	4686990
R4367	Vacant regular	Yes	426447	4690020
R4368	Vacant regular	No	426448	4691566
R4369	Vacant regular	Yes	426479	4691832
R4370	Existing	No	426476	4687059
R4372	Vacant regular	Yes	426533	4690991
R4373	Existing	No	426585	4692934
R4375	Vacant regular	No	426735	4691285
R4377	Existing	No	426699	4689015
R4379	Existing	No	426711	4687296
R4381	Existing	No	426761	4687317
R4382	Existing	No	426761	4693620
R4383	Vacant regular	No	426803	4689415
R4384	Existing	Yes	426847	4692609
R4385	Existing	No	426876	4693102
R4386	Existing	No	426917	4687472
R4387	Existing	No	426970	4687648
R4388	Existing	No	426978	4690545
R4389	Vacant regular	No	426982	4690872
R4390	Existing	No	426990	4687632
R4391	Existing	No	427452	4690952
R4392	Existing	No	427009	4690462
R4393	Existing	No	427037	4690984
R4396	Vacant regular	Yes	427093	4689537
R4397	Existing	No	427097	4687624
R4400	Vacant regular	Yes	427131	4690535
R4401	Vacant regular	Yes	427052	4689501
R4403	Existing	No	427186	4690588
R4406	Vacant regular	No	427221	4687762
R4408	Existing	No	427238	4690738
R4409	Existing	No	427241	4690620

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R4410	Vacant regular	Yes	426847	4693075
R4411	Existing	No	427269	4690810
R4413	Existing	No	427283	4690669
R4416	Existing	No	427371	4693464
R4418	Vacant regular	No	427455	4693579
R4419	Existing	No	427561	4688077
R4421	Existing	Yes	427497	4688124
R4423	Existing	No	427560	4690108
R4426	Existing	No	427654	4691141
R4428	Existing	Yes	427715	4690750
R4429	Existing	Yes	427727	4690670
R4430	Existing	Yes	427747	4690722
R4433	Existing	No	427851	4689923
R4437	Existing	Yes	427869	4690682
R4438	Existing	Yes	427931	4689874
R4440	Vacant regular	Yes	428005	4689929
R4443	Existing	Yes	428017	4688681
R4444	Existing	No	428021	4691306
R4445	Existing	Yes	428031	4689773
R4446	Existing	No	428056	4688490
R4447	Existing	No	428057	4691323
R4448	Vacant regular	Yes	428077	4691511
R4449	Existing	No	428090	4691396
R4452	Vacant regular	No	428115	4691413
R4454	Existing	No	428195	4692443
R4455	Existing	Yes	428175	4689742
R4456	Existing	No	428182	4691488
R4457	Existing	No	428198	4688777
R4460	Existing	No	428231	4691803
R4463	Existing	No	428273	4691684
R4466	Existing	No	428287	4691541
R4470	Existing	No	428314	4691574
R4473	Existing	No	428344	4691731
R4480	Vacant regular	No	428388	4691664
R4481	Existing	No	428392	4689233
R4486	Existing	No	428448	4689169
R4488	Existing	No	428432	4689456
R4489	Existing	No	428487	4689226

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R4496	Vacant regular	No	428584	4691863
R4500	Existing	No	428556	4691795
R4501	Existing	No	428586	4691936
R4506	Existing	No	428606	4689153
R4509	Existing	No	428624	4691970
R4510	Existing	No	428655	4691886
R4511	Existing	No	428682	4689165
R4513	Vacant regular	No	428727	4689133
R4515	Existing	No	428739	4691995
R4520	Existing	No	428828	4688904
R4531	Vacant regular	Yes	428701	4691936
R4538	Existing	No	429107	4691382
R4547	Vacant regular	No	429173	4689748
R4548	Existing	Yes	429181	4691342
R4553	Existing	No	429243	4689488
R4554	Existing	No	429267	4689516
R4560	Vacant regular	No	429337	4689837
R4561	Existing	No	429396	4689895
R4567	Existing	No	429484	4689980
R4587	Existing	No	429717	4691580
R4588	Existing	No	429725	4690193
R4590	Existing	No	429856	4690220
R4592	Existing	No	429892	4691607
R4609	Existing	No	430101	4691228
R4615	Existing	No	430144	4691190
R4624	Vacant regular	No	430194	4690607
R4646	Vacant regular	No	430515	4690936
R4665	Existing	No	430763	4691312
R4666	Existing	No	430787	4691217
R4685	Existing	No	430835	4691257
R4852	Existing	No	421802	4684893
R4853	Existing	No	421829	4684853
R4854	Existing	No	421170	4686625
R4855	Existing	No	422279	4686997
R4856	Existing	No	421274	4685147
R4857	Existing	No	421090	4685377
R4858	Existing	No	422304	4687051
R4859	Existing	No	421622	4684902

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R4860	Existing	No	420988	4685456
R4862	Existing	No	420771	4685582
R4863	Existing	No	422202	4684634
R4864	Existing	No	420561	4685866
R5003	Vacant regular	No	383323	4675055
R5004	Vacant regular	No	381559	4674757
R5005	Vacant regular	No	382439	4676100
R5006	Vacant regular	No	381586	4675411
R5007	Vacant regular	No	383480	4677735
R5008	Vacant regular	Yes	383255	4678978
R5009	Vacant regular	Yes	384353	4677843
R5010	Vacant regular	No	390081	4681168
R5011	Vacant regular	No	391187	4679896
R5012	Vacant regular	No	389409	4681939
R5013	Vacant regular	Yes	387637	4680306
R5014	Vacant regular	No	383536	4677668
R5015	Vacant regular	No	392565	4678011
R5016	Vacant regular	No	392903	4677952
R5017	Vacant regular	No	394777	4678954
R5018	Vacant regular	No	394642	4676287
R5019	Vacant regular	No	397666	4675920
R5020	Vacant regular	No	395017	4677602
R5021	Vacant regular	No	392343	4679522
R5022	Vacant regular	No	390670	4680633
R5023	Vacant regular	No	390145	4681230
R5024	Vacant regular	No	390180	4682914
R5025	Vacant regular	No	391230	4682613
R5026	Vacant regular	No	390792	4683443
R5027	Vacant regular	Yes	393313	4680379
R5028	Vacant regular	No	394147	4682035
R5029	Vacant regular	No	394586	4681530
R5030	Vacant regular	No	393189	4684822
R5031	Vacant regular	No	393866	4685430
R5032	Vacant regular	No	396544	4685946
R5033	Existing	No	402480	4688136
R5034	Vacant regular	Yes	408373	4690602
R5035	Vacant regular	No	411379	4688552
R5036	Vacant regular	No	409966	4687845

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R5038	Vacant regular	No	412204	4687999
R5039	Vacant regular	No	412895	4692460
R5040	Vacant regular	No	411170	4692122
R5041	Vacant regular	Yes	412178	4691434
R5042	Vacant regular	No	413434	4692128
R5043	Vacant regular	No	414453	4689886
R5044	Vacant regular	No	415714	4688995
R5045	Existing	No	416847	4688521
R5046	Vacant regular	No	414361	4692873
R5047	Vacant regular	No	413689	4692055
R5048	Vacant regular	No	422640	4689294
R5049	Existing	No	381512	4674094
R5051	Vacant regular	No	394249	4682108
R5052	Vacant regular	No	397193	4684205
R5053	Vacant regular	No	395789	4686051
R5054	Vacant regular	No	397271	4684233
R5055	Vacant regular	No	399254	4685406
R5056	Vacant regular	No	399585	4685680
R5057	Vacant regular	No	399124	4686110
R5058	Vacant regular	Yes	399624	4685625
R5059	Vacant regular	No	400352	4684567
R5060	Vacant regular	No	400002	4684249
R5061	Vacant regular	No	401856	4685945
R5062	Vacant regular	No	401613	4687399
R5063	Vacant regular	No	401742	4687645
R5064	Vacant regular	No	401042	4687056
R5065	Vacant regular	No	400800	4686782
R5066	Existing	No	403059	4688820
R5067	Existing	No	403032	4688857
R5068	Vacant regular	No	403219	4688962
R5069	Vacant regular	No	404237	4689781
R5070	Existing	No	404337	4689813
R5071	Vacant regular	No	404823	4688611
R5072	Vacant regular	No	403917	4687751
R5073	Vacant regular	No	405692	4689255
R5074	Vacant regular	No	406803	4690266
R5075	Vacant regular	No	404920	4686680
R5076	Vacant regular	No	406982	4686703

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R5077	Vacant regular	Yes	407291	4687006
R5078	Vacant regular	No	421897	4684801
R5084	Existing	No	409096	4691805
R5085	Vacant regular	No	396313	4683306
R5090	Vacant regular	No	397141	4676069
R5102	Existing	No	399235	4684857
R5104	Existing	No	381824	4678240
R5106	Vacant regular	No	399449	4684846
R5112	Vacant regular	No	391930	4684856
R5115	Vacant regular	No	397496	4686685
R5121	Existing	No	411153	4688690
R5122	Existing	No	399215	4684677
R5132	Existing	No	381838	4678512
R5134	Existing	No	399175	4684803
R5137	Existing	No	399388	4684904
R5143	Existing	No	409143	4691770
R5146	Existing	No	399256	4684637
R5153	Vacant regular	No	399107	4684863
R5154	Existing	No	421788	4686731
R5156	Vacant regular	No	399360	4684942
R5163	Existing	No	395429	4686056
R5165	Existing	No	408975	4691892
R5174	Existing	No	381847	4678617
R5179	Existing	No	409250	4691873
R5182	Existing	No	409038	4691852
R5188	Vacant regular	No	412128	4688064
R5189	Existing	No	409280	4691913
R5196	Existing	No	399206	4684830
R5197	Existing	No	399417	4684873
R5204	Existing	No	409323	4691993
R5208	Existing	No	406259	4688011
R5210	Vacant regular	No	399346	4684930
R5211	Vacant regular	No	395489	4677432
R5215	Vacant regular	No	417787	4696133
R5217	Existing	No	399406	4684959
R5221	Existing	No	399382	4684946
R5226	Existing	No	409189	4691807
R5229	Existing	No	400735	4686612

Receptor ID	Description	Participating Status	Easting (m)	Northing (m)
R5230	Vacant regular	No	402747	4689205
R5231	Vacant regular	Yes	385262	4679164
R5232	Vacant regular	No	387495	4679737
R5233	Vacant regular	No	417178	4693626
R5234	Vacant regular	No	395479	4686037
R5235	Vacant regular	No	419822	4697993
R5236	Vacant regular	Yes	389481	4681966
R5237	Vacant regular	No	410628	4692637
R5238	Vacant regular	No	420534	4698021
R5239	Vacant regular	No	381723	4676498
R5240	Vacant regular	No	392958	4679255

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