



Memo

Project No. 1865-I

To: Julie Breton
From: Andrew Ryckman
Date: February 19, 2025
Re: Niagara Region Wind Farm
Bat Mitigation Plan for Operation Annual Report (2024)

Natural Resource Solutions Inc. (NRSI) was retained to address certain requirements of Ontario Regulation (O. Reg.) 242/08 of the *Endangered Species Act, 2007* (ESA) for the Niagara Region Wind Farm (Project), which includes monitoring and reporting associated with the *Mitigation Plan for Operation of the Niagara Region Wind Farm* (Stantec 2017) and the associated *Niagara Region Wind Farm: Mitigation Plan for Operation (Bats) Update* (NRSI 2023). The following *Mitigation Plan for Operation Annual Report* has been prepared in accordance with Section 23.20 of the ESA for the 2024 monitoring year, which represents the eighth full year of operation at the Project. This report outlines any effects of the operational wind facility on the species listed in the Notice of Activity, analysis of results, encounters with the species, and steps taken to minimize adverse impacts to the species.

The Niagara Region Wind Farm is owned and operated by 1021702 B.C. Ltd., a wholly owned subsidiary of Boralex Inc., and consists of 77 wind turbines with a total generating capacity of 230MW. The Project is located within the Townships of West Lincoln and Wainfleet and the Town of Lincoln, within Niagara Region and Haldimand County, Ontario (Map 1).

A Notice of Activity has been filed (confirmation number: M-102-3171068444), and an Operational Mitigation Plan prepared, for the following four species:

- Eastern Small-footed Myotis (*Myotis leibii*),
- Little Brown Myotis (*Myotis lucifugus*),
- Northern Myotis (*Myotis septentrionalis*), and
- Tri-colored Bat (*Perimyotis subflavus*).

In accordance with Section 23.20, subsection (13a), an annual report must be prepared for the first three years and every five years thereafter. This report documents the relevant results of the eighth full year of operation of this facility since the submission of the Notice of Activity and has been prepared to satisfy the reporting requirements of Section 23.20.

Operational Mitigation Plan Report Requirements

In accordance with Section 23.20, this report has been prepared to meet the following requirements:

- A report must be prepared annually for the first three years and subsequently every five years for the duration identified in the Notice of Activity (Subsection (13a));
- The report must be completed by March 31 that follows the end of the period in respect of which the report is prepared (Subsection (14));
- The report will include the following components, as per Subsection (15):
 - Information relating to the effects of the operation of the facility on each species, as listed in the Notice of Activity, and its habitat,
 - Analysis of the above information,
 - Description of any encounters with the species, and
 - Documentation of the steps taken to minimize adverse effects of the facility on each species identified in the Notice of Activity, including discussion of the effectiveness.

In accordance with Section 23.20, subsection (4), paragraph 8, this report must be retained for at least five years and must be submitted to the Ministry of the Environment, Conservation and Parks (MECP) within 14 days of a request for submission.

Effects on Species at Risk

The Notice of Activity for the Niagara Region Wind Farm lists four species. Table 1 provides a list of these species, including the documented effects of the operation of the wind facility on each species and its habitat during the reporting year associated with this report.

Table 1. Effects of the Operation of the Niagara Region Wind Farm on Species Listed in the Notice of Activity (2024)

Species Name	Effects of Operation on the Species	Documented Level of Impact Reached ¹	Effects of Operation on its Habitat
Eastern Small-footed Myotis	None	None	None
Little Brown Myotis	None	None	None
Northern Myotis	None	None	None
Tri-colored Bat	None	None	None

¹ As defined in the *Mitigation Plan for Operation of the Niagara Region Wind Farm* (Stantec 2017)

Encounters with the Species

During the operation of the Niagara Region Wind Farm in 2024, there was the potential to encounter the species listed in the Notice of Activity. Two different types of encounters could occur, including observed mortalities and live encounters. No encounters of any kind occurred with any species listed in the Notice of Activity during the 2024 monitoring year.

Steps Taken to Minimize Impact to the Species

The *Mitigation Plan for Operation of the Niagara Region Wind Farm* (Stantec 2017) outlines the comprehensive steps taken to minimize impact to the species listed in the Notice of Activity, should an impact be observed. As no impact on any species listed in the Notice of Activity was documented during on-site monitoring conducted in 2024, the implementation of specific steps to minimize adverse effects on the species was not required.

Summary

This annual report has been prepared in accordance with the ESA and O. Reg. 242/08, Section 23.20 for the purpose of analyzing potential impacts to Species at Risk as a result of the operation of the Niagara Region Wind Farm during the 2024 monitoring year, which was the eighth full year of operation since the submission of the Notice of Activity.

As outlined above, potential effects of the operation of the facility on the species listed in the Notice of Activity have been effectively mitigated and/or minimized, as confirmed by the absence of documented impacts to any species listed in the Notice of Activity.

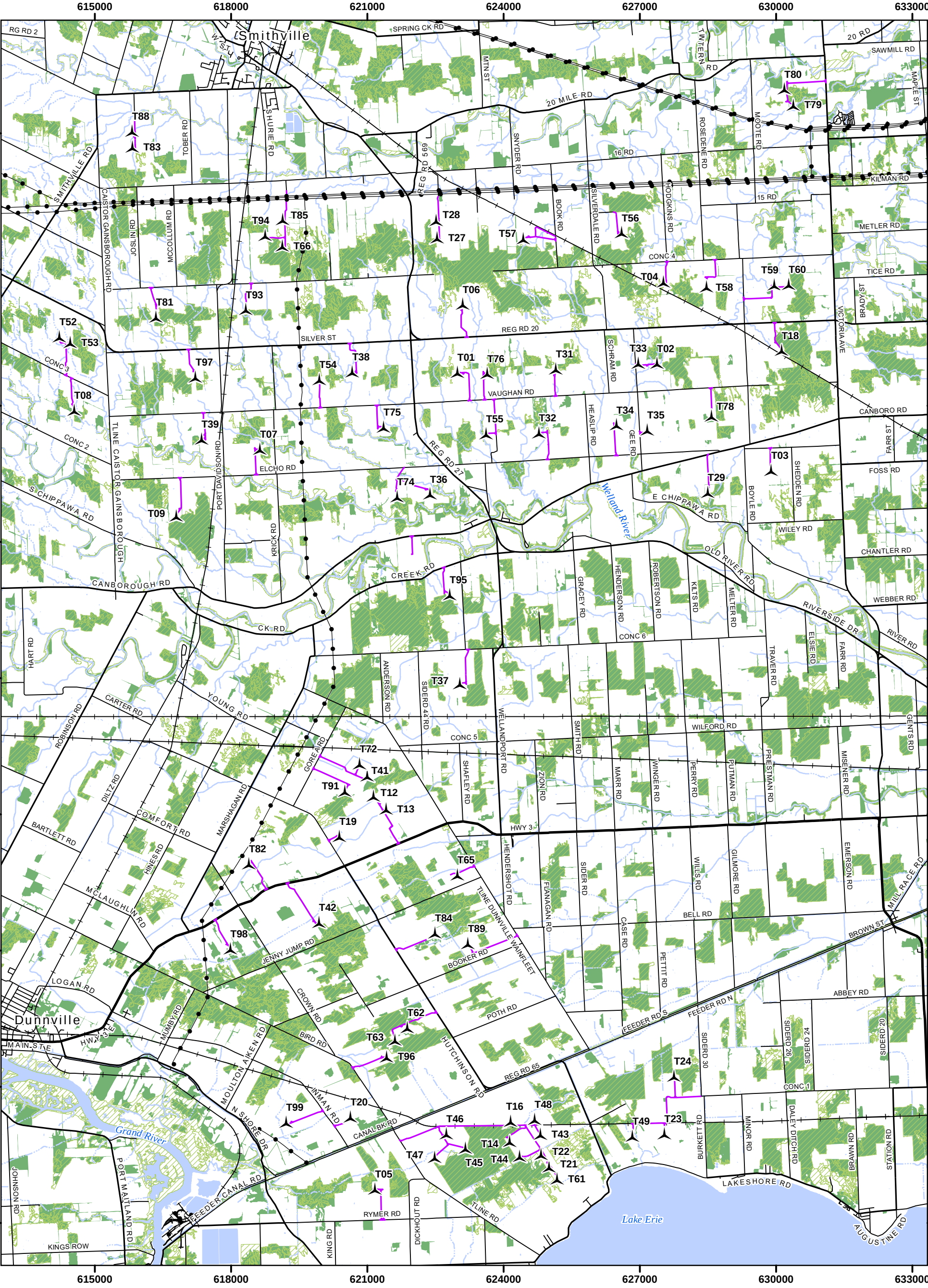
If you have any questions, please don't hesitate to contact the undersigned.

Best Regards,

Andrew Ryckman

Andrew Ryckman
Senior Terrestrial and Wetland Biologist
Natural Resource Solutions Inc.

Map 1
Project Area and Natural Features



- Legend**
- Turbine

Access Road

Utility Line

Railway

Highway

Primary Road

Secondary Road
- Permanent Watercourse

Intermittent Watercourse

Water Body

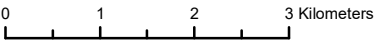
Wetland

Wooded Area

Map 1

Niagara Region Wind Farm

Project Area and Natural Features



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Project: 18651
Date: April 23, 2024
NAD83 - UTM Zone 17
Scale 1:80,000 (11x17")

