



TECHNICAL MEMORANDUM

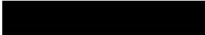
DATE April 22, 2025

Project No. CA0041539.2359

TO



CC



FROM WSP Canada Inc.



PID 00656074 HATCHET LAKE – WETLAND DELINEATION

Introduction

WSP Canada Inc. (WSP) was retained by Jeff Jollimore to complete the delineation of a provincially mapped wetland feature located on PID 00656074. The objective of the site visit was to verify and delineate the extents (i.e., boundary) of the wetland to help inform preliminary development feasibility discussions with Halifax Regional Municipality (HRM).

Wetland Delineation Methodologies

The delineation was completed by Sean Naismith, a trained and certified wetland delineator, who has experience following the provincially approved methods for wetland delineation described in *Northcentral and Northeast Regional Supplement of the U.S. Army Corps of Engineers Wetlands Delineation Manual* (1987) and the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region, U.S. Army Corps of Engineers* (2012). The wetland boundaries were spatially recorded using a Trimble R12i GNSS receiver and a few photographs were taken.

Results

WSP completed the site visit for PID 00656074 between September 17 – 24, 2024. The presence of the provincially mapped wetland was confirmed and found to be larger than the estimated area shown within the Nova Scotia Topographic Database - Water Features GIS dataset (refer to the attached sketch). Two additional areas of wetland were also identified and delineated within PID 00656074 during the site visit.

Vegetation and soil plots were not completed as part of the delineation, nor were functional assessments of the wetlands completed during the field screening.

Conclusions and Recommendations

Based on the wetland delineation completed between September 17 – 24, 2024, there are three areas of wetland comprising the majority of PID 00656074. Should future development be considered on this PID, an Approval to alter the wetland habitat would be required from Nova Scotia Environment and Climate Change (NSECC).

If it is determined that future development would require the alteration of wetland habitat, the following additional field and desktop information would be required to satisfy the regulatory permitting process:

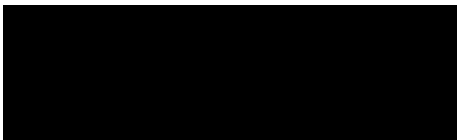
- Vegetation plots to classify wetland types and assess plant communities for wetland indicators.
- Soil plots to classify hydric indicators.
- Functional assessments using the Wetland Ecological Services Protocol for Atlantic Canada (WESP-AC).
- ACCDC Data Report to identify Species At Risk (SAR) and Species of Conservation Concern (SOCC) and/or important habitat within and adjacent to PID 00656074.

Closure

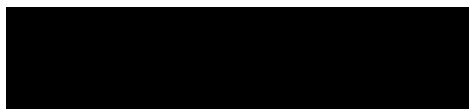
The observations within the report are based on a single site visit completed on September 17 – 24, 2024. The preliminary assessment was based on the conditions observed at the time of survey.

This report has been prepared for the sole benefit of Jeff Jollimore. Any other person or entity may not rely on this report without the express written consent of WSP and Jeff Jollimore. WSP has no responsibility for damage suffered by any third party as a result of decisions made, or actions conducted based on this report. No other warranties are implied or expressed.

WSP Canada Inc.



Sean Naismith
Lead Technician - Geomatics



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Senior Biologist - Natural Sciences

SN/MM

Attachments: Sketch of delineated wetlands, Photolog

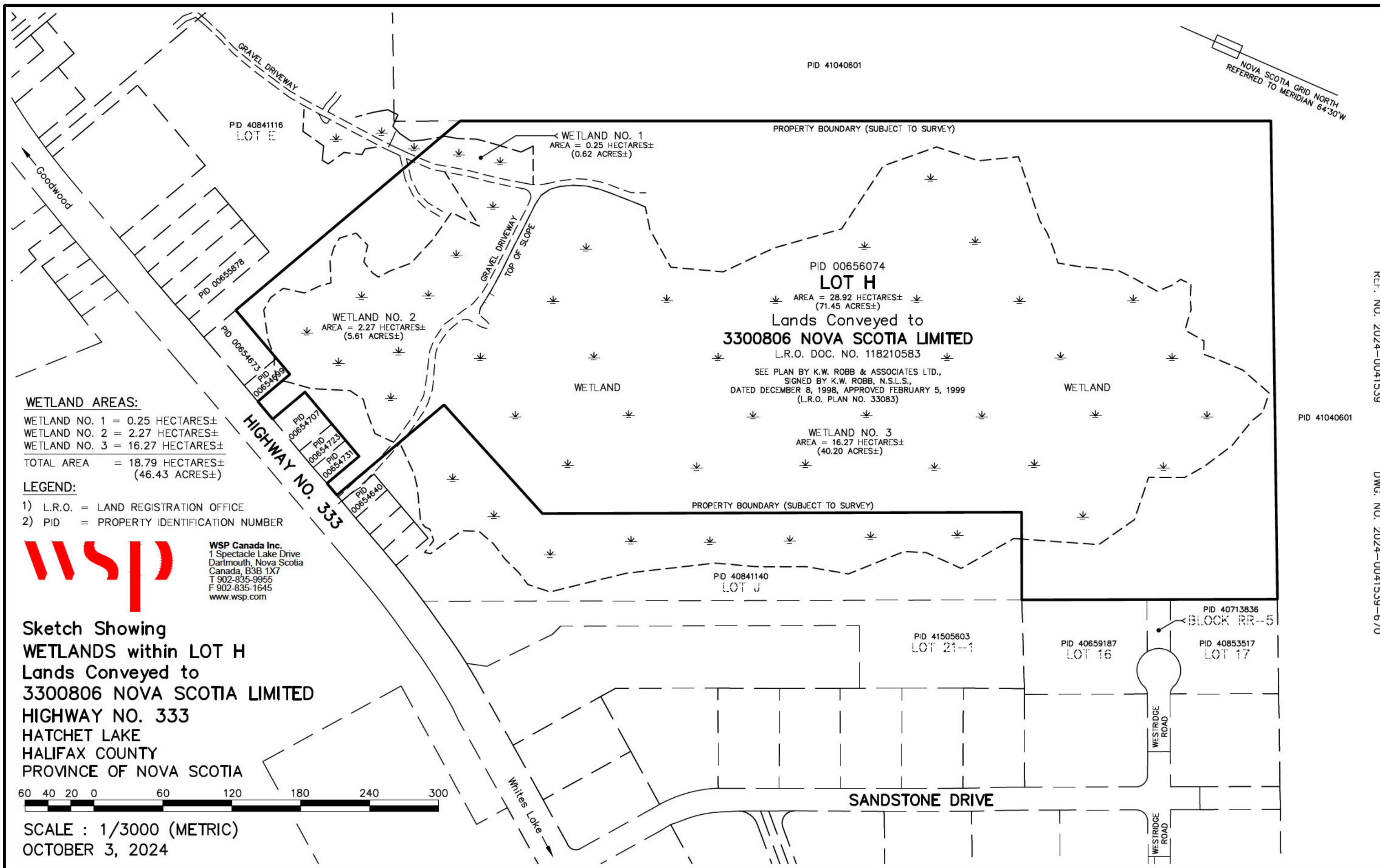




Photo 1. Shrub swamp on PID 00656074.
September 19, 2024.



Photo 2. Upland adjacent to shrub swamp on PID
00656074. September 23, 2024.