

Subject: Halton Hills Premier Gateway Aquatic Stations (proj1624)

From: Katharina Walton <kwalton@nrsi.on.ca>

Date: 2015-05-27 11:28 AM

To: Samantha Mason <smason@hrca.on.ca>

CC: Dave Stephenson <dstephenson@nrsi.on.ca>

Hi Samantha,

Attached is a map showing proposed aquatic surveys stations. We propose to do a habitat assessment, benthic sample and e-fishing at each station. We have committed to 6 stations based on our budget. We do not have a fish permit from the MNRF yet, which we applied for April 7. The contact at the MNRF is Karen Golby. If you can help us get that permit for tomorrow, or if we can conduct the e-fishing under the CA's permit, then we can do this work this week, i.e. tomorrow and Friday.

Please let me know what you think of the aquatic stations we've selected. There are only 4 we have site access to. Access has been requested for the location marked with a star west of 6th Line, as well as south of Steeles Ave at the second star (not north of the road as indicated). There is access to a section of East 16 Mile Creek south of Steeles as well.

Please respond asap, as I am trying to organize staff.

Thank you!

Regards,

Katharina.

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— Attachments: —

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gateway_20150527112730.pdf	27 bytes
Signature_KSW_TB.JPG	0 bytes

NRS 1624
 May 27/15.



Map 1

Halton Hills Premier Gateway Secondary Plan Existing Conditions

Legend

- Subject Area
- Highway
- Primary Road
- Secondary Road
- Watercourse
- Wetland (Non-PSW)
- Wooded Area
- Natural Heritage Area

● Aquatic survey stns with access

* Aquatic survey stn with on access permission to date

 **NATURAL RESOURCE SOLUTIONS INC.**
 Aquatic, Terrestrial and Wetland Biologists

Map Produced by Natural Resource Solutions Inc. This map is proprietary and confidential and must not be duplicated or distributed by any means without express written permission of NRS. Data provided by ETRC Copyright Queen's Printer Ontario, January, First Base Solutions Inc. (2010)

Project: 1624	NARS - LTAS Zone: 17
Date: April 06, 2015	Scale: 1:11,117
	1:12,500

0 400 800 Metres



Subject: Re: Halton Hills Premier Gateway Aquatic Stations (proj1624)

From: Katharina Walton <kwalton@nr.si.on.ca>

Date: 2015-05-27 12:20 PM

To: Samantha Mason <smason@hrca.on.ca>

CC: Dave Stephenson <dstephenson@nr.si.on.ca>

Thank you for your feedback, Samantha. I've attached another map showing our proposed benthic monitoring stations (green dots; ignore numbers) based on site access. There are 5 and we agree to have them as far as possible away from any roads. We will complete these surveys tomorrow or Friday.

-Katharina.



On 27/05/2015 12:12 PM, Samantha Mason wrote:

Hi Katharina,

The stations all look fine to me. The only thing I have a concern with is that there is only one site that isn't located at a road crossing. I wonder if it would make sense at this point to double the benthic stations and to drop the fish community work, since you don't have a scientific collector's permit? If you are agreeable to this approach, I would suggest attempting to have as many monitoring locations away from road crossings as there are sites *at* road crossings.

If you still want to go ahead with both parameters (fish and benthics), I would really like to see the benthic collections done before the end of the month, even if you can't do the fish collections as of yet.

My preference would be not to drop the benthic monitoring from the scope of the work if at all possible.

Those are my thoughts. My apologies for not getting you a response sooner.

Kind regards,

Samantha Mason, HBSoc. | Senior Aquatic Ecologist

Conservation Halton

2596 Britannia Road West

Burlington, Ontario L7P 0G3

t: 905-336-1158 X 267 | f: 905-336-6684

c: 905-299-8493

www.conservationhalton.ca

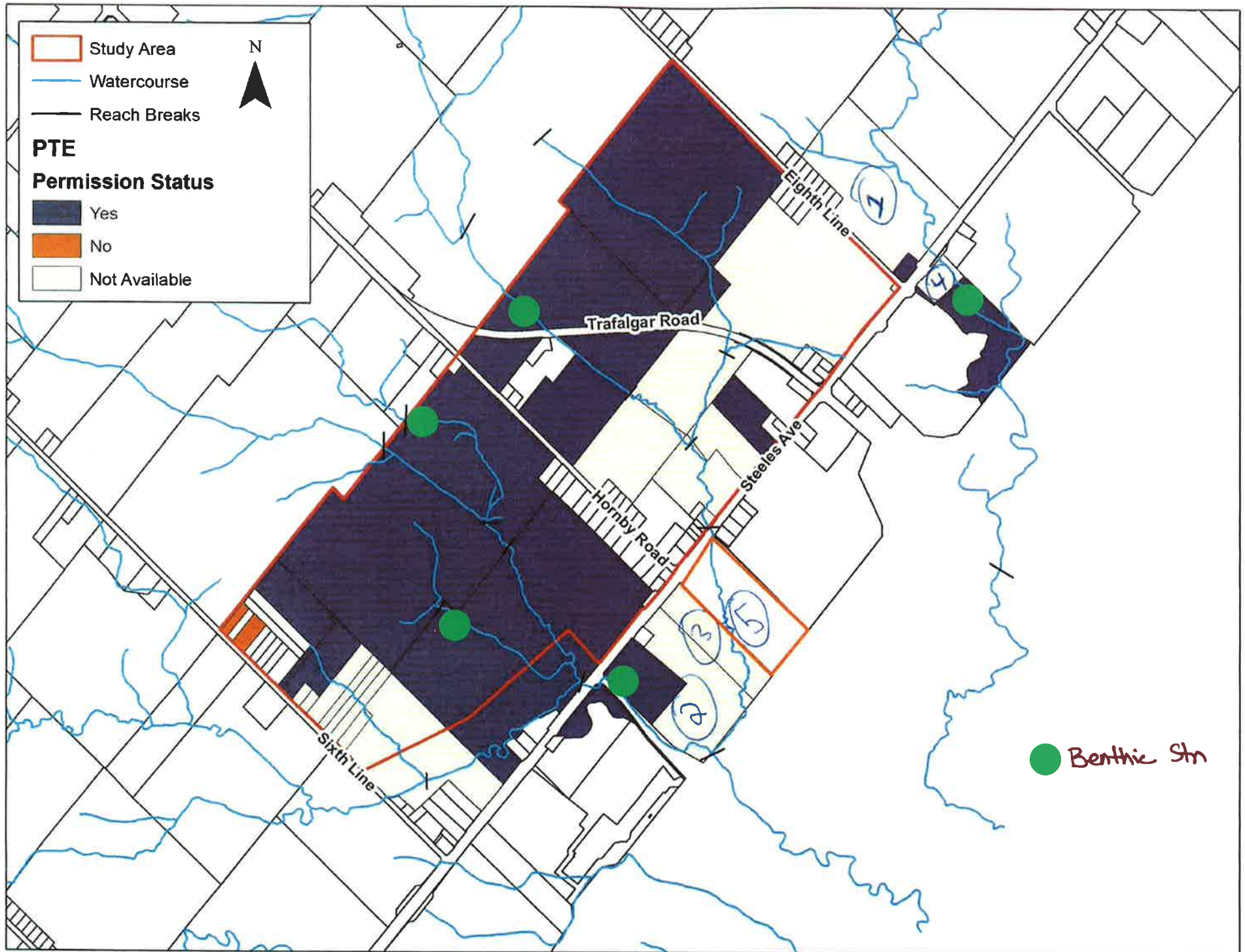
From: Katharina Walton [<mailto:kwalton@nr.si.on.ca>]

Sent: May-27-15 11:28 AM

To: Samantha Mason

Cc: Dave Stephenson

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benthics_20150527121247.pdf	27 bytes

Subject: RE: Halton Hills Premier Gateway Aquatic Stations (proj1624) **From:** Samantha Mason <smason@hrca.on.ca>
Date: 2015-06-03 1:50 PM
To: Katharina Walton <kwalton@nrsi.on.ca>
CC: Dave Stephenson <dstephenson@nrsi.on.ca>

OK, thanks very much Katharina. I hope all went well with the benthic sampling last week J

-Samantha

From: Katharina Walton [mailto:kwalton@nrsi.on.ca]
Sent: May-28-15 8:27 AM
To: Samantha Mason
Cc: Dave Stephenson
Subject: Re: Halton Hills Premier Gateway Aquatic Stations (proj1624)

Yes, we will do fish surveys once we receive the permit.
-Katharina.



On 28/05/2015 8:25 AM, Samantha Mason wrote:

Hi Katharina,

Thanks for your reply. Those site locations look good. I'm wondering if your plan is to do the fish community surveys once you receive your permits from the MNRF?

Regards,
Samantha

From: Katharina Walton <kwalton@nrsi.on.ca>
Sent: May 27, 2015 12:20 PM
To: Samantha Mason
Cc: Dave Stephenson
Subject: Re: Halton Hills Premier Gateway Aquatic Stations (proj1624)

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Signature_KSW_TB.JPG	0 bytes

Subject: Phase 1B surveyed wetland - Steeles & Trafalgar (proj1624)
From: Curtis Marshall <CurtisM@haltonhills.ca>
Date: 2017-01-26 3:46 PM
To: "McCabe, Owen (Owen.McCabe@halton.ca)"
<Owen.McCabe@halton.ca>, "'Matt Howatt' (mhowatt@hrca.on.ca)"
<mhowatt@hrca.on.ca>
CC: "Katharina Richter (krichter@nrsi.on.ca)" <krichter@nrsi.on.ca>, "Farrell, Aaron
(aaron.farrell@amecfw.com)" <aaron.farrell@amecfw.com>

Hi Matt and Owen, please see below.
Curtis

Curtis Marshall
Senior Planner – Policy

Town of Halton Hills
1 Halton Hills Dr.
Georgetown, ON
L7G 5G2

905-873-2601 ext. 2253

From: Katharina Richter [mailto:krichter@nrsi.on.ca]
Sent: January-13-17 10:04 AM
To: Curtis Marshall; Farrell Aaron
Cc: Steve Burke; Steve Grace
Subject: Re: Phase 1B surveyed wetland - Steeles & Trafalgar (proj1624)

Curtis,
With regards to the surveyed wetland, I provide the following, fairly informal report and attached map.

The wetland boundary was surveyed October 26, 2016.

The core areas of the marsh are almost completely Cattails and contain shallow, sporadic pooled water and some degree of organic soils. Fringe areas transition to sparse Cattails mixed with Lance-leaved Aster and occasional Rushes. For a large portion of the eastern boundary the edge of the agricultural field is more or less the boundary of the wetland. There has been some tilling and cultivation of soils that would be part of the wetland but nothing major. There is an overgrown access to the field (grassy, not gravel) leading in from Trafalgar. This creates a separation of the 2 large wetland units by maybe 5m. A culvert could not be seen, but it was thick cattails and there may be direct connection under that laneway; it could be plugged up with muck and detritus.

Overall, the marsh is Cattails, Phragmites, Lance-leaved Aster, and Reed Canary Grass, with a couple of Willow shrubs present as well, but otherwise no trees or shrubs. There are a few other wetland indicators present but it's fairly low diversity overall. The fringe and upland is Canada Goldenrod, Smooth Brome, Canada Thistle, and Common Burdock. The auto shop appears to have encroached into the wetland historically, and there are a few areas of overgrown topsoil piles to the north of the auto shop, as well as a berm-like feature to the far east.

The far eastern wetland pocket is dominated by Reed Canary Grass and exists because of human disturbance. Topographically it is separated from the actual cattail marsh by an area which is fresh-moist meadow and contains no wetland species. The hydrology of the Reed canary Grass area is also likely further influenced by the ditch on the north side of Steeles Ave which would direct some amount of water into this lower area during high rainfall events, thus probably facilitating the wetter vegetation which would not naturally occur in the absence of the berm and the

ditch.

Regards,
Katharina.



Katharina Richter B.E.S.
Terrestrial and Wetland Biologist
Natural Resource Solutions Inc.
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Waterloo, ON N2K 4M8
(p) 519-725-2227 (f) 519-725-2575
(m) 519-635-6051
(w) www.nrsi.on.ca (e) krichter@nrsi.on.ca

—Attachments:—

NRSI_1624_WetlandDelineation_2K_2016_10_31_LEH.pdf

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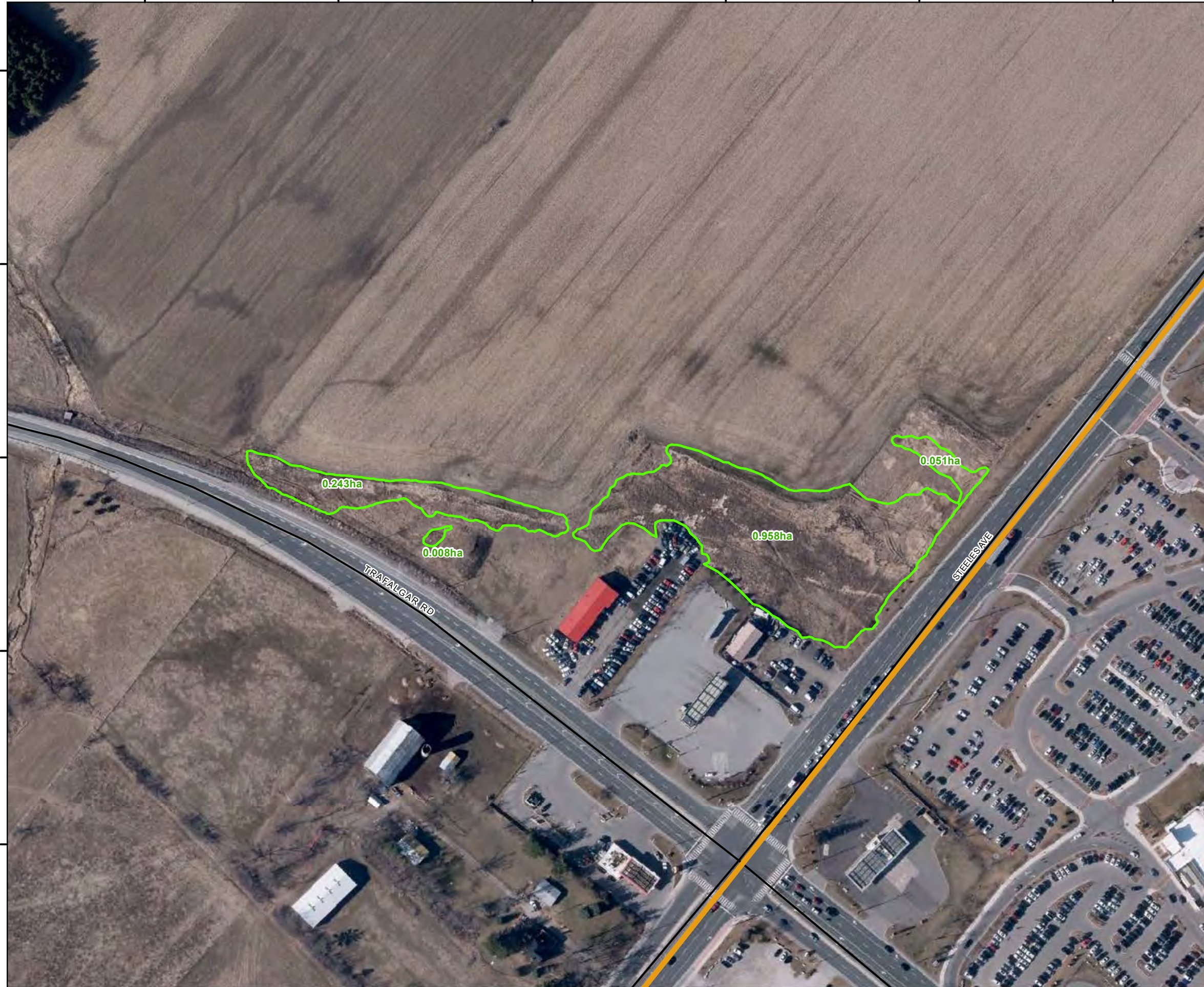
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Halton Hills Premier Gateway Wetland Delineation

Legend

-  Subject Area
-  Surveyed Wetland
-  Primary Road



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Project: 1624 Date: October 31, 2016	NAD83 - UTM Zone 17 Size: 11x17" 1:2,000
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