

October 2, 2019

BEL 219302

Brock Road Duffins Forest Inc.
22 Ross Shinen Lane
Stouffville, ON L4A 0V4

c/o Elyse Snyder, M.Arch, OAA
Kohn Partnership Architects Inc.
116 Spadina Avenue, Suite 501
Toronto, ON M5V 2K6

via email: esnyder@kohnarchitects.com

Attention: Alison Lin

via email : alisonlin77@yahoo.com

**Re: Breeding Bird Survey
2055 Brock Road, Pickering, Ontario**

Dear Ms. Lin:

Beacon Environmental Limited (Beacon) is pleased to provide the following results of the breeding survey completed for the property located at municipal address 2055 Brock Road, in the City of Pickering, Regional Municipality of Durham (the “subject property”).

The subject property is an irregular shaped parcel of land encompassing an area of approximately 1.3 ha (3.24 ac) located on the east side of Brock Road, north of Finch Avenue (**Attachment A – Figure 1**). The subject property is currently undeveloped. Forested valleylands associated with West Duffins Creek are present directly south and east of the subject property. Institutional and residential lands are present to the north, and further residential subdivisions are present west of Brock Road.

Beacon has completed breeding bird surveys to support the natural heritage studies required to move forward with the development application.

Breeding Bird Methodology

Two breeding bird surveys were completed for the subject property on the mornings of June 25, and July 3, 2019 (start times of 7:10 am, and 5:35 am respectively), under ideal weather conditions. The breeding bird community was surveyed using a roving type survey, in which all parts of the subject property were walked and all birds heard or observed and showing some inclination toward breeding were recorded as breeding species. All birds heard and seen were recorded in the location observed on an aerial photograph of the site.

Breeding Bird Results

A total of ten species of birds were recorded breeding and another three species were recorded foraging on the subject property during the 2019 season (**Attachment B**). Most of the breeding birds recorded were commonly encountered generalist species regularly found in urban and urbanizing areas including Song Sparrow (*Melodia melodpiza*), Cedar Waxwing (*Bombycilla cedrorum*), Common Grackle (*Quiscalus quiscula*), American Goldfinch (*Spinus tristus*), Mourning Dove (*Zenaida macroura*), Black-capped Chickadee (*Poecile atricapillus*), Common Yellowthroat (*Geothlyphis trichas*), Blue Jay (*Cyanocitta cristata*) and Red-winged Blackbird (*Agelaius phoeniceus*). During the field investigations, foraging species observed included American Robin (*Turdus migratorius*), European Starling (*Sturnus vulgaris*), and Northern Cardinal (*Cardinalis cardinalis*).

No species ranked as S1 through S3 (Critically Imperiled through Vulnerable) by the province, or species protected under the ESA were encountered. Area-sensitive birds require larger tracts of suitable habitat in which to breed, or have higher breeding success in larger areas of suitable habitat. No birds considered to be area-sensitive were recorded during the 2019 breeding season.

Species of conservation concern within the TRCA jurisdiction receive a ranking of L1 to L3. No bird species of conservation concern were recorded for the subject property during surveys. The bird species observed are ranked by TRCA as L4, L5 or L+ reflective of species that occur and are generally secure throughout the region or are somewhat tolerant of urban stressors. L4 species are defined as those that occur throughout the region but could show declines if urban impacts are not mitigated effectively.

We trust that this technical letter report meets your project needs at this time. Should you have any question or points of discussion regarding the above, please don't hesitate to contact us anytime.

Prepared by:
Beacon Environmental



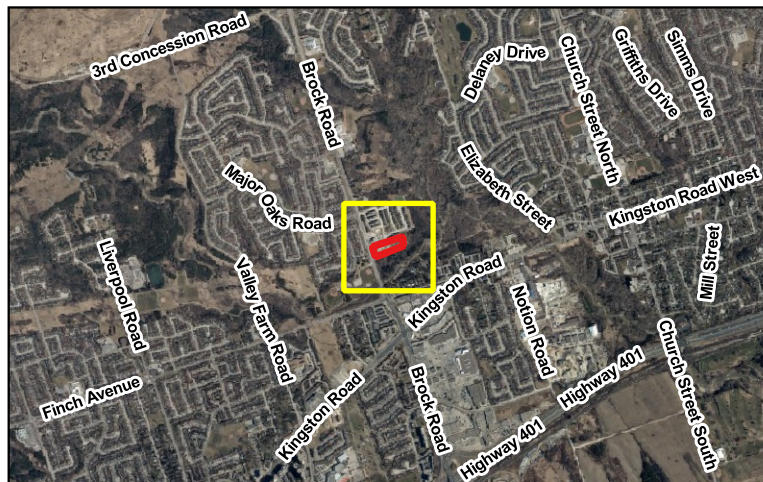
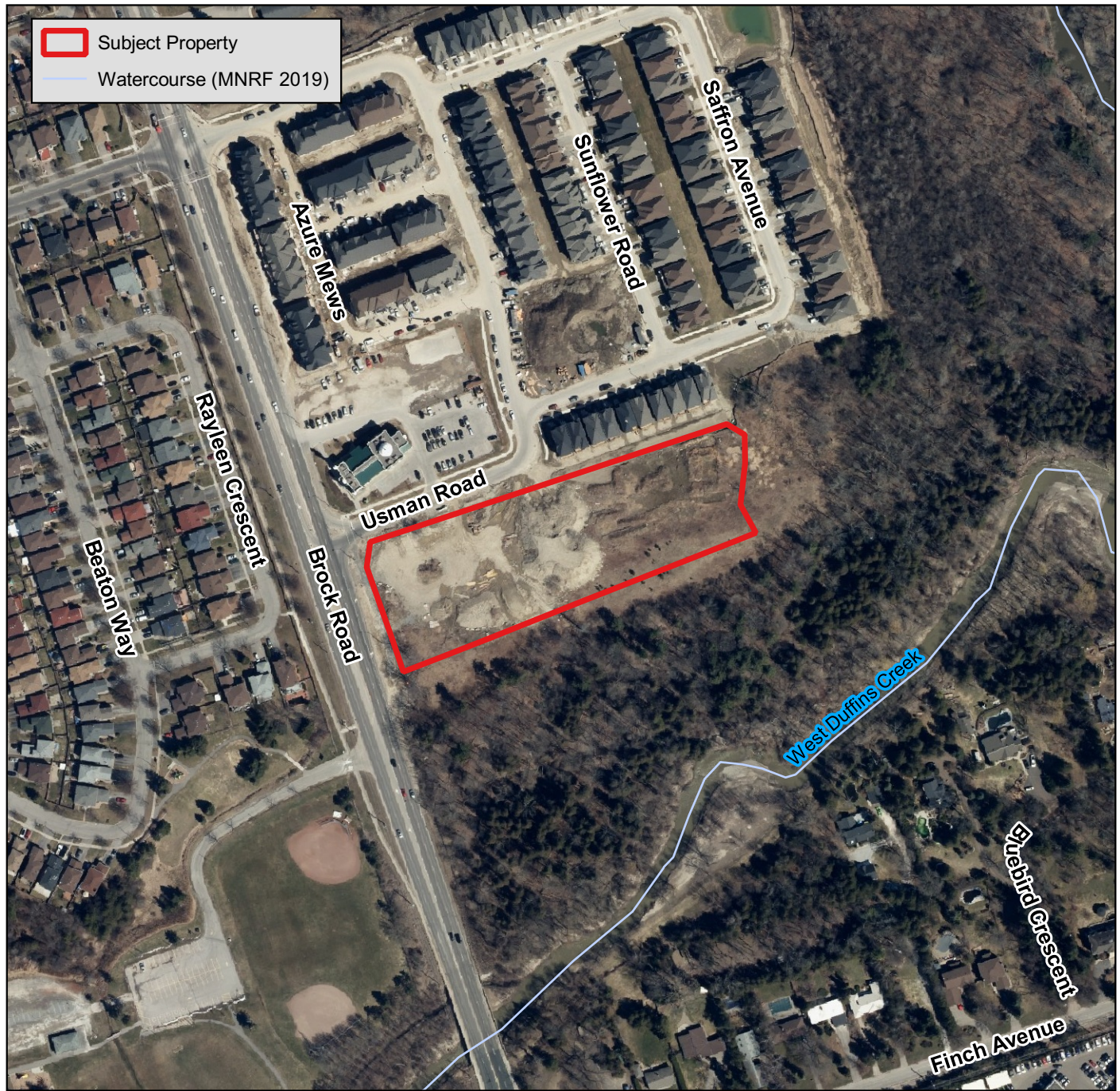
Lauren Cymbaly, M.E.S.
Ecologist



Reviewed by:
Beacon Environmental



Kristi L. Quinn, B.E.S
Principal, Senior Environmental Planner

Attachment A



Site Location		Figure 1
2055 Brock Road, Pickering, Breeding Bird Survey		
		Project: 219302 Last Revised: September 2019
Client: Brock Road Duffins Forest Inc.		Prepared by: BD Checked by: LC
	1:3200	Inset Map: 1:50000
Contains information licensed under the Open Government License—Ontario Orthoimagery Baselayer: 2018 (FBS)		

Attachment B

Attachment B

Breeding Birds of 2055 Brock Road, Pickering

Species		Status						Totals
Common Name	Scientific Name	National Species at Risk COSEWICa	Species at Risk in Ontario Listing a	Provincial breeding season SRANK ^b	TRCA Status d	Regional Status	Area-sensitive (OMNR)c	# Breeding Pairs or Territories
Mourning Dove	<i>Zenaida macroura</i>			S5	L5			1
Blue Jay	<i>Cyanocitta cristata</i>			S5	L5			1
Black-capped Chickadee	<i>Poecile atricapillus</i>			S5	L5			1
American Robin	<i>Turdus migratorius</i>			S5	L5			F
Cedar Waxwing	<i>Bombycilla cedrorum</i>			S5	L5			3
European Starling	<i>Sturnus vulgaris</i>			SE	L+			F
Common Yellowthroat	<i>Geothlyphis trichas</i>			S5	L4			1
Northern Cardinal	<i>Cardinalis cardinalis</i>			S5	L5			F
Chipping Sparrow	<i>Spizella passerina</i>			S5	L5			1
Song Sparrow	<i>Melospiza melodia</i>			S5	L5			4
Red-winged Blackbird	<i>Agelaius phoeniceus</i>			S4	L5			1
Common Grackle	<i>Quiscalus quiscula</i>			S5	L5			1
American Goldfinch	<i>Spinus tristis</i>			S5	L5			3

Field Work Conducted On: June 25 and July 3, 2019

F indicates foraging birds or those flying over the site

Number of Species: 10 (+3 foraging)

Number of (provincial and national) Species at Risk: 0

Number of S1 to S3 Species: 0

Number of TRCA L1, L2 and L3 Species (Species of Concern): 0

Number of Area-sensitive Species: 0

KEY

a COSEWIC = Committee on the Status of Endangered Wildlife
in Canada

a Species at Risk in Ontario List (as applies to ESA) as designated by COSSARO (Committee on the Status of Species at Risk in Ontario)

END = Endangered, THR = Threatened, SC = Special Concern

^b SRANK (from Natural Heritage Information Centre) for breeding status if:

S1 (Critically Imperiled), S2 (Imperiled), S3 (Vulnerable), S4 (Apparently Secure),
S5 (Secure)

SNA (Not applicable... 'because the species is not a suitable target for conservation activities'; includes non-native species)

c Ontario Ministry of Natural Resources (OMNR). 2000. Significant Wildlife Habitat Technical Guide (Appendix G). 151 p plus appendices.

d Toronto and Region Conservation Authority L rank
(2018):

L1 to L3 Regional species of concern from highest to lowest; L4 Urban concern; L5 Secure through region; L+ Non-native