



Environmental Health Services Inc.
Biting Fly Management Service Provider
Distributors of Quality Biopesticide Products & Application Equipment

Town of Georgina

Final Report: 2014

Mosquito Nuisance Abatement Program



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Introduction

The community of Pefferlaw within the Town of Georgina has dealt with a nuisance mosquito problem for many years. The 2014 mosquito abatement program continued and involved a spring and early summer program including a one-time aerial application with B.t.i. together with ground applications of B.t.i., repeated as necessary. The larval monitoring and larviciding program encompassed the area bordered by Weirs Side Road, Irving Drive, Lake Ridge Road and Rosslyn Drive as per the program design. Larval monitoring, species identification and reporting occurred between snow melt and May 15.

The primary objective of the program was to achieve 100% larval control in all of the treated larval habitats. Sweep net monitoring of adult mosquitoes occurred three times at weekly intervals after the larviciding program to determine the success of the program.

Our findings showed that mosquito egg hatch and larval development was delayed by prolonged cold weather. We would like to acknowledge the support and cooperation provided by both the Town of Georgina and MOE personnel to get the program underway in a timely fashion.

Preparation

The preparation of the program began with the application for a permit from the Ontario Ministry of Environment (MOE). Information flyers were mailed out to all affected property owners within the treatment boundary on January 17th with a cut-off date of March 31st for a reply. Since more than 30 days notice was given, only *objectors* had to register and collection of consent was not required. The MOE requires two forms of public notification in large municipal programs for mosquito nuisance control. The first form was the *information flyer* mailed out to affected property owners and the second form was accomplished by publishing a *newspaper notification*.

Notification

Several public notifications were published in The Georgian Advocate starting on February 6th through May 1st. Information including the treatment boundary was provided on the Town of Georgina website. A copy of the information flyer and published notifications can be found in Appendix 1.

Description of the Proposed Treatment Area

Joe Costanza (Town of Georgina) provided Kevin Taylor (Pestalto) with digital ortho-photos, parcel lot boundaries and a Single Line Road Network. The ortho-photos were images of properties who gave consent for treatment as well as those who did not. These images provided the basis for the 2014 treatment program. The final map of the 2014 proposed larval mosquito treatment areas is in Appendix 2.

Approvals/Objectors

Prior to the application (April 15) there were 45 objectors within the proposed treatment area. The Region of York provided permission to treat York Forest lands. The MNR did not provide approval to treat Duclos Point Reserve or Morning Glory Swamp.

Additional Information and Addressing Inquiries

Kevin Taylor (Pestalto) was responsible for providing the Georgina program information including the map showing the proposed treatment areas, larvicide MSD Sheets and contact information to address inquiries. Several requests came in for property owners to be notified when the helicopter would be flying, so that farm animals could be kept inside during the aerial application portion of the program.

The property boundaries of *objecting* landowners were loaded into the helicopter's GPS system so that the application swaths targeted only those properties who gave consent at the time that the application began. A list of *objector's* properties which was organized by street name was used by the Pestalto ground applicators to conduct ground applications. Ditches and culverts adjacent to such properties were considered public property and were larvicided in most situations.

Letter of Approval

Mr. Michael Baskerville (Town of Georgina) provided a Letter of Approval for the program from the Town of Georgina. This was required to obtain a M.O.E. permit.

Permits

Kevin Taylor was responsible for the timely submission of applications for permits to the Ontario Ministry of Environment (MOE) and addressing subsequent requirements and concerns. Separate permit applications for aerial and ground applications were submitted.

The application for permits was submitted on January 14th and the MOE permits were received on April 17th. Pestalto's permits allowed for the larviciding of up to 1,800 ha by air and 180 ha by ground. The Ontario Ministry of Environment Permits can be seen in Appendix 3.

Base of Operations

Approval was obtained to use the Town of Georgina Egypt Road Works Yard on the east side of Park Road, just south of Highway 48 as the main base for aerial applications as well as storage of equipment and larvicide. A fenced and gated aggregate area off Smith Road was also used for helicopter take offs and landings and helped reduced the flight time to the application area as well as interference with Town works staff. Application equipment, larvicide and the helicopter arrived at the base on April 23rd. A helicopter safety tailgate meeting was provided to works yard staff by the pilot. Pestalto very much appreciates the use of the Egypt Road Works Yard facility and would like to thank the staff for their cooperation during the application.

Mosquito Larval Monitoring

The purpose of pre-treatment monitoring is to determine the presence of mosquito larvae and their growth stage. The optimum time for larviciding snow melt mosquito species is when the majority of larvae are in the 3rd & 4th instar growth stages. The presence of some 1st and 2nd instars at this time would indicate that the majority of the snow melt hatch was complete.

Preliminary larval sampling commenced on April 1st however mostly ice and snow were observed at this time. Larval surveillance continued weekly at various larval habitats prior to treatment. There were 119 visits to 45 standing water sites during the 2014 season. These sites encompassed all the various types of habitats found in Pefferlaw and were located throughout the community. A summary table of standing water site types is provided in Table 1.

Site Type	Sites Treated	Visits	VectoBac 1200L Treatments	VectoBac 200G Treatments	Total Treatments
Ditch	1	41	1	0	1
Field Pool	1	12	1	0	1
Pond	1	2	1	0	1
Standing Water Zone	10	12	11	1	12
Storm Water Management Pond	0	3	0	0	0
Wetlands	2	20	2	0	2
Woodland Pool	4	29	3	1	4
Totals	19	119	19	2	21

Table 1: Georgina Standing Water Surveillance & Site Type Summary, 2014.

Conclusions

There were several winter-like storms in the early spring and larval development was delayed. Continued surveillance indicated that larvae were present in most of the standing water sites and just required time to develop. Larval surveillance on April 17 indicated that some sites required treatment. The actual start date for the ground treatments was April 17th and for aerial was April 23rd.

Larviciding Activities

Applications using the main ground and aerial crews commenced on April 23rd and continued through to April 27th. All potential approved larval habitats were treated regardless of whether larvae were found.

Aerial Treatments

The aerial treatments were applied by an R44 helicopter equipped with an on-board GIS navigation system. The shape-files for the *objectors* were logged into the helicopter computer to direct the larvicide applications.

The applications were completed before mosquito pupation. Eleven hundred and five [1105] hectares of standing water were treated by aircraft. Five thousand five hundred and fifty-six [5556] kilograms of VectoBac 200G (PCP# 18158) were used and the average application rate was approximately 5.0 kg per hectare.

A map of the aerial application coverage by the aircraft computer may be seen in Appendix 2. When wind speeds were too high for proper dispersal of the larvicide, the aerial application was delayed until conditions became favorable.



Figure 1. R44 helicopter used in 2014.

Ground Treatments

Mosquito larviciding by ground crews commenced on April 22nd. The ground application was conducted with both truck mounted and hand-held back pack sprayers. Fifty three [53] hectares of standing water were treated by ground using [46] litres of VectoBac 1200L. The application rate was approximately 0.9 litres per hectare. Additionally there was one [1.2] hectares treated by ground with six [6.7] kilograms of VectoBac 200G near Halmar Park Rd. Applications were targeted to areas such as ditches, swales and field pools on residential properties and along roads.

There were three teams which consisted of either 2 or 3 applicators. The treatment area was divided into 10 map-zones to facilitate the coordination of the ground application program. A map displaying the area treated and amount of product used is provided on the ground treatment map in Appendix 2



Figure 2. Ground application with backpack sprayer.

Post-Treatment Larval Monitoring

Post-treatment larval monitoring of treated sites commenced as soon as the ground larviciding was completed on April 24th. Larval monitoring continued on a weekly basis up to May 15th and individual sites were larvicided if required. All monitoring and treatment visits are available in Appendix 4.

Conclusions

Post-treatment monitoring done on April 24th indicated that the larviciding was successful. The timing of the applications for the ground and aerial treatments achieved the requirements of the contract, 100% larval mortality of the target habitats.

Adult Surveillance Using Sweep Nets

Adult mosquito surveillance was conducted with sweep net counts at 10 locations on three dates, May 1st, May 8th , and May 15th. Eight locations were *within* the boundaries of the treatment program and two were *outside* the boundary, considered as controls. A summary table of the Adult Sweep Net Results is provided in Table 2. Adult sampling locations are provided on a map in Appendix 5.

SITE NUMBER	LOCATION	DATE	# ADULTS	DATE	# ADULTS	DATE	# ADULTS
1	4 Pinecrest Drive	1-May	0	8-May	0	15-May	0
2	3 Forestry Drive	1-May	0	8-May	0	15-May	0
3	17 Otter Cove	1-May	0	8-May	0	15-May	0
4	Hastings Road & Pepperlaw Road (EMS)	1-May	0	8-May	0	15-May	0
5	Petes Lane Library	1-May	0	8-May	2	15-May	0
6	22 James Street	1-May	0	8-May	0	15-May	0
7	546 Pepperlaw Road	1-May	0	8-May	0	15-May	0
8	48 Riverside Drive	1-May	0	8-May	0	15-May	0
9*	Conc. 14 / Brock Road	1-May	0	8-May	1	15-May	0
10*	9304 Morning Glory Road	1-May	0	8-May	2	15-May	0
* Outside Control Area							

Table 2: Georgina Adult Sweep Net Surveillance Summary, 2014.

Results

There were no adult mosquitoes caught during the first week and evening temperatures were relatively cool (8-10C). The second week the number of adults both within and outside the control area was still minimal with no significant difference. Weather continued to be relatively cool during early May. There were no adults mosquitoes captured in the third week. Overall the sweep net results indicate that there were very few adult mosquitoes during the post-treatment surveillance, however no definitive conclusions may be inferred from the adult sampling in 2014.

Program Overview

Discussion

The timing of the spring mosquito program was delayed by some prolonged cold weather in March and April. The aerial application went much easier with a reduced number of objectors when compared with 2013. As a result a much more thorough application was possible by helicopter in 2014. As in many areas of Southern Ontario there was more standing than in previous years. Pestalto believes that the timing, coverage and approach were appropriate for the circumstances and provided excellent larval control in the treated larval habitats.

Larval surveillance of treated sites from April 24th through May 15th supported this conclusion and did not indicate that a major extended snow melt hatch had occurred. Monitoring results from several other large spring aerial mosquito programs also confirms that the *timing* of the larvicide applications were appropriate. Adult monitoring after the larvicide application was not conclusive and may be attributed to low air temperatures at dusk when the sweep-net sampling occurred.

Suggestions

When it comes to spring melt nuisance mosquito programs, timing is of the essence. For these reasons it is Pestalto's recommendation that the consent forms be sent out as early as possible and the permit application process happen well in advance of the program commencement date which is dependent on spring weather conditions.

Conclusions

The 2014 larviciding program from April 1st to May 15th provided control of adult biting mosquitoes within the controlled residential areas.

Appendix 1

Copies of Published Public Notifications, Homeowner Mailing & E. M.S. Flyer

January 10, 2014

File: M.4.7.1

Dear Sir and/or Madam:

RE: **Notice of Objection** to The Application of Larvicide
to Private Property for the Purpose of
Nuisance Control of Larval Mosquitoes

Between April 1 and May 31, 2014 Pestalto Environmental Health Services Inc. under contract to the Town of Georgina will be conducting a ground and aerial larvicide program to mosquito habitats that impact the residents of the Pefferlaw and Port Bolster areas. The program will use applications of **VectoBac 200G** (granular, PCP#18158) and **VectoBac 1200L** (liquid, PCP#21062). Both these products are biological larvicides, with the active ingredient "B.t.i."

The treatment area map and details of the program may be accessed by way of the **Town of Georgina's web site** at <http://georgina.ca/dpt-eng-mosquito.aspx> or at Town of Georgina Department of Operations and Engineering, 26557 Civic Centre Road, Keswick.

NO RESPONSE IS REQUIRED IF YOU SUPPORT THE MOSQUITO CONTROL PROGRAM.

How to Register Your OBJECTION:

You are requested to go online at www.georgina.ca/mcp.aspx and register your objection electronically using the unique property identification code and access code shown below or alternatively you may detach, sign and return the form below either by mail or facsimile to (905) 476-6902 by FEBRUARY 28, 2014.

Michael E. Baskerville, C.E.T., CMM
Engineering Manager

✂ -----

Notice of objection is hereby given, as I am the owner of the following property within the treatment area and I have been notified of the intended application of a biological larvicide of VectoBac 200G (granular, PCP#18158) and VectoBac 1200L (liquid, PCP#21062) to water on or near my property and I:



I OBJECT TO ITS USE

Property Identification Code: _____

Access Code: _____

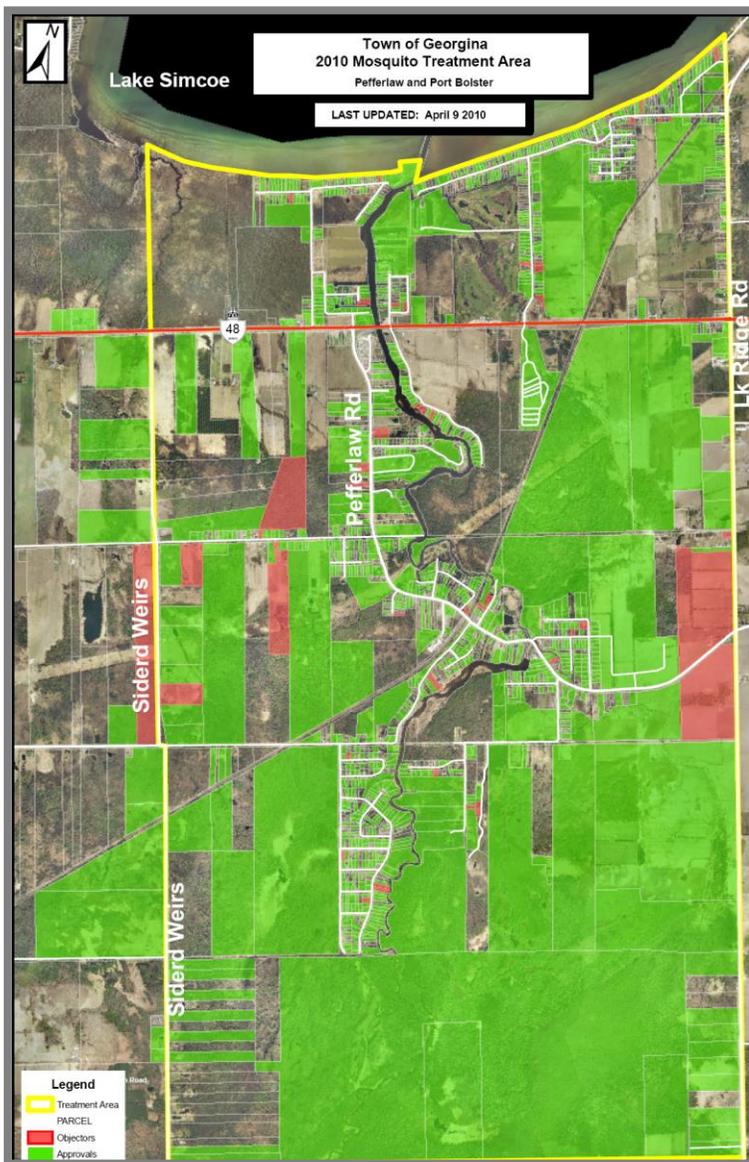
Name:	Telephone: ()	Fax: ()
Address in full:		
	City/Town:	Postal Code:
Signature:		Date:

IMPORTANT: If you do not return a signed **objection form** it will imply support of the program and your property will be treated as may be appropriate in the 2014 Mosquito Abatement Program.



Notice of Ground and Aerial Pesticide Application For the Control of Larval Mosquitoes for Nuisance Control

Between April 22 and April 30, 2014 the Town of Georgina, in cooperation with Pestalto Environmental Health Services Inc. will be conducting a ground and aerial larvicide program to mosquito habitats that impact on the residents of the Pefferlaw and Port Bolster areas. The program will use multiple application of VectoBac 200G (PCP#18158) and VectoBac 1200L (PCP#21062). These products are biological larvicides, with the active ingredient “B.t.i.”. See the attached plan.



Please be advised that the **25765 Park Road Works Yard** will be used as a helicopter landing and re-fill site for the 2014 Mosquito Control Program.

Use of the site is scheduled to begin on April 22nd. Aerial applications will commence at 7am and should take 3 to 5 days depending on weather conditions.

The landing area will be fenced in order to protect the operators, equipment during refill operations. We regret any inconvenience this may cause.



For further information please contact Kevin Taylor of Pestalto Environmental Health Services Inc. at 519-362-5175 or by email kevin.taylor@pestalto.com

Appendix 2

Maps of the Proposed Larval Mosquito Treatment Area, & Aerial and Ground Treatments

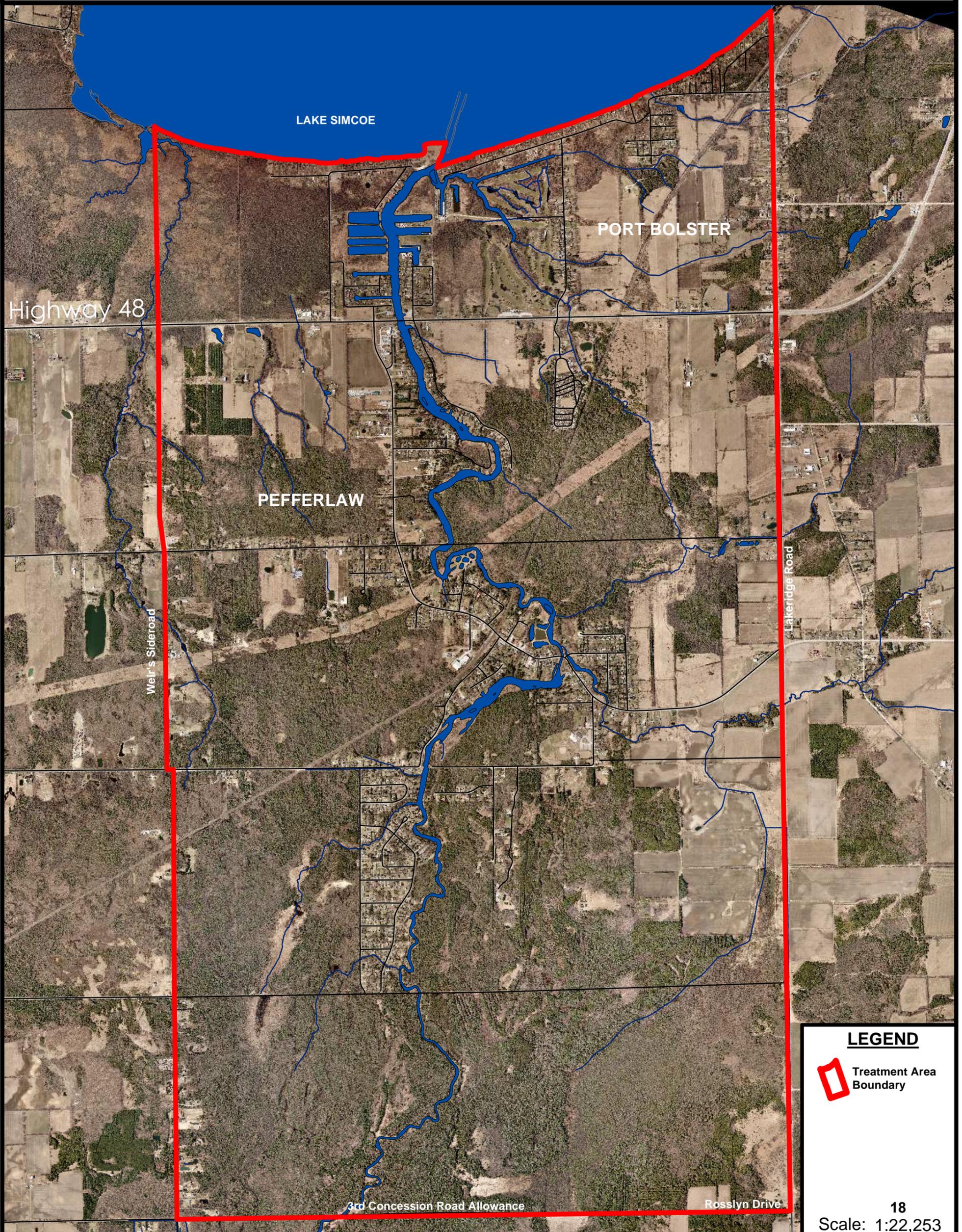


TOWN OF GEORGINA Department of Operations & Engineering

2014 MOSQUITO ABATEMENT PROGRAM TREATMENT AREA MAP (PEFFERLAW AND PORT BOLSTER)



2011 Orthophotography



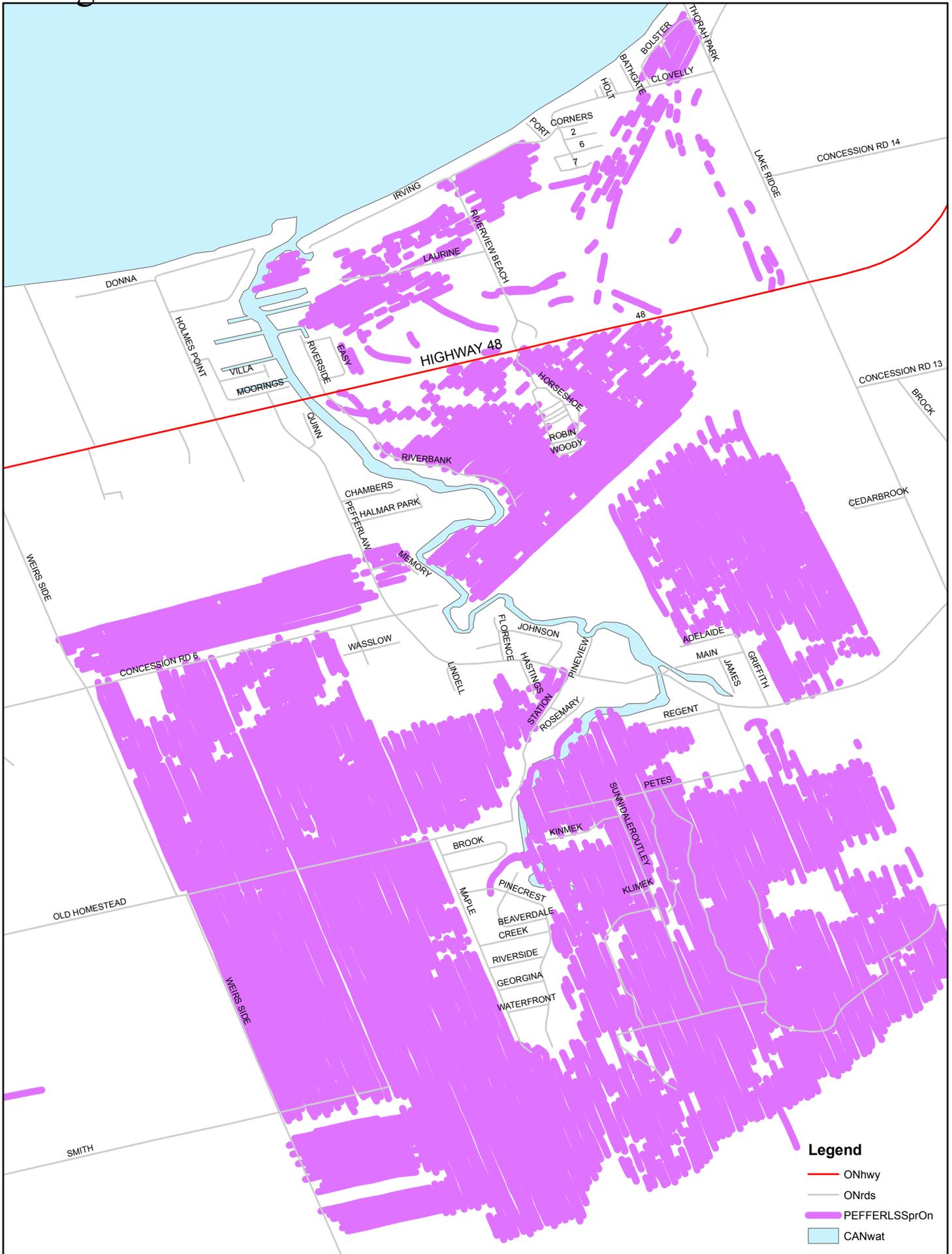
LEGEND



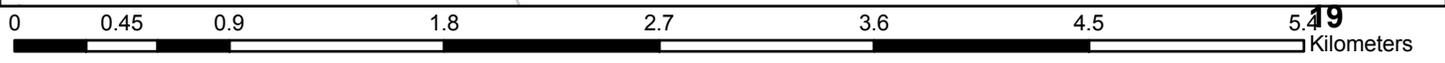
Treatment Area Boundary

18
Scale: 1:22,253

Georgina 2014 Larvacide



- Legend**
- ONhwy
 - ONrds
 - █ PEFERLSSprOn
 - █ CANwat



Pefferlaw Ground Treatments 2014



Appendix 3

Copy of Ministry of Environment Permits



PESTICIDE PERMIT
Perform A Water Extermination
PERMIT NUMBER 0401-9J8HCW

Pursuant to Section 7 of the Pesticides Act R.S.O. of 1990, this Perform A Water Extermination Permit is hereby issued to:

Paul Zimmer
Zimmer Air Services Inc.
9742 Burk Line
Blenheim, Ontario, N0P 1A0
Canada

Treatment Site: Georgina nuisance mosquito larviciding program
in the vicinity of Pefferlaw and Port Bolster
Aerial treatment to private and municipal property
Georgina, Regional Municipality of York

For the purpose of this Permit and the terms and conditions specified below, the following definitions apply:

1. DEFINITIONS

- (a) "Ministry" means the Ontario Ministry of the Environment.
- (b) "Pesticide" means the pest control products and associated Pest Control Products Act No. specified in this Permit
- (c) "Director" means any Ministry employee appointed by the Minister under *Section 3(1) of the Pesticides Act*.
- (d) "Permit" means this *Perform A Water Extermination* permit issued in accordance with *Section 7 of the Pesticides Act*.

2. TERMS

1.Pesticide		PCP No.	Ontario Class
VECTOBAC-200G BIOLOGICAL LARVICIDE		18158	3
Size of Treatment Area	Maximum Application Rate	Amount of Pesticide to be applied	Treatments authorized
1800 ha	10 Kg(product)/ha	16000 Kg	2
Description of treatment location:	Maximum of two aerial treatments to stagnant surface water		
Treatment Period:	April 17 2014 to May 31 2014		

3. CONDITIONS

1. This permit is not transferable to another person.
2. The permit holder shall report immediately any situations involving health or environmental effects or damage to property to the Ministry of the Environment York/Durham District Office at 905-427-5600, or if a pesticide spill occurs, to the Spills Action Centre at 1-800-268-6060.
3. This permit and conditions of use are approved for the year 2014 only.
4. The permit holder shall submit a request for an amendment to this permit and obtain approval before any additional area is treated or product is used not authorized by this permit.
5. Public notification of the water extermination shall be provided using a newspaper notice. The notice shall appear in a newspaper of general circulation in the vicinity of the water extermination at least 48 hours before but not more than seven days before the treatment date and repeated monthly until the extermination ceases. The notice shall include the following:
 - i. The dates the extermination is to take place;
 - ii. A description of the treatment area;
 - iii. The name of the pest;
 - iv. The brand or trade name of the pesticide;
 - v. The formulation of the pesticide;
 - vi. The name of the pesticide ingredient(s);
 - vii. The registration number of the pesticide assigned to it under the *Pest Control Products Act* (Canada);
 - viii. The name and contact information of the permit holder or designated representative who can provide more information about the extermination and if necessary indicating collect calls will be accepted.
6. At least 48 hours prior to commencing the extermination, the permit holder shall notify the Regional Pesticides Specialist at 416-326-3671 of the exact date and time of the treatment.
7. A summary report shall be submitted to the Regional Pesticides Specialist (address: 5775 Yonge St., 8th Floor, Toronto ON, M2M 4J1) within two months of completing the extermination that includes the following:
 - i. A detailed site map indicating all bodies of water into which the pesticide was applied;

- ii. The number of treatments and dates of these treatments for each body of water;
- iii. Copies of the actual notices used for public notification;
- iv. The brand or trade name of the pesticide used, the registration number of the pesticide assigned to it under the *Pest Control Products Act* (Canada), rate of application, and quantity applied;
- v. Details of any incidents involving the pesticide used during its application and the remedial actions undertaken.

4. APPEALS AND NOTIFICATION

In accordance with section 13(9) of the Pesticides Act, R. S. O. 1990, Chapter P. 11, as amended, you may by written notice served upon the Director require that the Director, within 3 days of receipt of such notice, vary, rescind or confirm his or her decision. The Director, within 3 days of receipt of such notice shall serve or cause to be served upon you this decision together with his or her written reasons therefor and where the Director varies or rescinds the decision, the Director shall take such action as may be necessary to make the variation or rescission effective.

In accordance with section 13(10) of the Pesticides Act, R. S. O. 1990, Chapter P. 11, as amended, you may by written notice served upon the Director and the Environmental Review Tribunal, within 15 days of service upon you of the notice under section 13(9) of the Pesticides Act, request a hearing of the Environmental Review Tribunal.

This notice must be served upon:

*The Secretary
Environmental Review Tribunal
655 Bay Street, 15th Floor
Toronto ON
M5G 1E5
Fax: (416) 314-4506
Email: ERTTribunalsecretary@ontario.ca*

AND

*The Director
Section 7, Pesticides Act
Ministry of the Environment
8th Floor
5775 Yonge St
Toronto ON M2M 4J1
Fax: (416)325-6347*

The Notice should also include:

1. The name of the appellant;
2. The address of the appellant;
3. The Pesticide Permit number;
4. The date of the Pesticide Permit;
5. The name of the Director;
6. The municipality within which the Pesticide Permit is located;

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

Permission is hereby granted under the *Pesticides Act and Regulations* to perform an extermination in accordance with the application and the following supporting information:

Document:	Author:	Version Date:
Letter	Paul Zimmer	2014/01/15

Letter	Town of Georgina	2014/01/07
2014 Mosquito Abatement Program Treatment Area Map	Pestalto Environmental Health Services Inc.	2014/01/15
Georgina Objection Listing	Pestalto Environmental Health Services Inc.	2014/04/15

Dated at Toronto this 16th day of April, 2014.



Dan Delaquis
Director
Section 7, Pesticides Act



PESTICIDE PERMIT
Perform A Water Extermination
PERMIT NUMBER 6831-9J8GY9

Pursuant to Section 7 of the Pesticides Act R.S.O. of 1990, this Perform A Water Extermination Permit is hereby issued to:

Kevin Taylor
Pestalto Environmental Health Services Inc.
501 Rennie St
Hamilton, Ontario, L8H 3P6
Canada

Treatment Site: Georgina nuisance mosquito larviciding program
in the vicinity of Pefferlaw and Port Bolster
Ground treatments to private and municipal property
Georgina, Regional Municipality of York

For the purpose of this Permit and the terms and conditions specified below, the following definitions apply:

1. DEFINITIONS

- (a) "Ministry" means the Ontario Ministry of the Environment.
- (b) "Pesticide" means the pest control products and associated Pest Control Products Act No. specified in this Permit
- (c) "Director" means any Ministry employee appointed by the Minister under *Section 3(1) of the Pesticides Act*.
- (d) "Permit" means this *Perform A Water Extermination* permit issued in accordance with *Section 7 of the Pesticides Act*.

2. TERMS

1.Pesticide		PCP No.	Ontario Class
VECTOBAC 1200L BIOLOGICAL LARVICIDE		21062	3
Size of Treatment Area	Maximum Application Rate	Amount of Pesticide to be applied	Treatments authorized
180 ha	1 L(product)/ha	100 L	10
Description of treatment location:	Multiple ground treatments to stagnant surface water		
Treatment Period:	April 17 2014 to May 31 2014		

2.Pesticide		PCP No.	Ontario Class
VECTOBAC-200G BIOLOGICAL LARVICIDE		18158	3
Size of Treatment Area	Maximum Application Rate	Amount of Pesticide to be applied	Treatments authorized
180 ha	10 Kg(product)/ha	500 Kg	10
Description of treatment location:	Multiple ground treatments to stagnant surface water		
Treatment Period:	April 17 2014 to May 31 2014		

3. CONDITIONS

1. This permit is not transferable to another person.
2. The permit holder shall report immediately any situations involving health or environmental effects or damage to property to the Ministry of the Environment York/Durham District Office at 905-427-5600, or if a pesticide spill occurs, to the Spills Action Centre at 1-800-268-6060.
3. This permit and conditions of use are approved for the year 2014 only.
4. The permit holder shall submit a request for an amendment to this permit and obtain approval before any additional area is treated or product is used not authorized by this permit.
5. Public notification of the water extermination shall be provided using a newspaper notice. The notice shall appear in a newspaper of general circulation in the vicinity of the water extermination at least 48 hours before but not more than seven days before the treatment date and repeated monthly until the extermination ceases. The notice shall include the following:
 - i. The dates the extermination is to take place;
 - ii. A description of the treatment area;
 - iii. The name of the pest;
 - iv. The brand or trade name of the pesticide;
 - v. The formulation of the pesticide;
 - vi. The name of the pesticide ingredient(s);
 - vii. The registration number of the pesticide assigned to it under the *Pest Control Products Act* (Canada);

viii. The name and contact information of the permit holder or designated representative who can provide more information about the extermination and if necessary indicating collect calls will be accepted.

6. At least 48 hours prior to commencing the extermination, the permit holder shall notify the Regional Pesticides Specialist at 416-326-3671 of the exact date and time of the treatment.
7. A summary report shall be submitted to the Regional Pesticides Specialist (address: 5775 Yonge St., 8th Floor, Toronto ON, M2M 4J1) within two months of completing the extermination that includes the following:
 - i. A detailed site map indicating all bodies of water into which the pesticide was applied;
 - ii. The number of treatments and dates of these treatments for each body of water;
 - iii. Copies of the actual notices used for public notification;
 - iv. The brand or trade name of the pesticide used, the registration number of the pesticide assigned to it under the *Pest Control Products Act* (Canada), rate of application, and quantity applied;
 - v. Details of any incidents involving the pesticide used during its application and the remedial actions undertaken.

4. APPEALS AND NOTIFICATION

In accordance with section 13(9) of the Pesticides Act, R. S. O. 1990, Chapter P. 11, as amended, you may by written notice served upon the Director require that the Director, within 3 days of receipt of such notice, vary, rescind or confirm his or her decision. The Director, within 3 days of receipt of such notice shall serve or cause to be served upon you this decision together with his or her written reasons therefor and where the Director varies or rescinds the decision, the Director shall take such action as may be necessary to make the variation or rescission effective.

In accordance with section 13(10) of the Pesticides Act, R. S. O. 1990, Chapter P. 11, as amended, you may by written notice served upon the Director and the Environmental Review Tribunal, within 15 days of service upon you of the notice under section 13(9) of the Pesticides Act, request a hearing of the Environmental Review Tribunal.

This notice must be served upon:

*The Secretary
Environmental Review Tribunal
655 Bay Street, 15th Floor
Toronto ON
M5G 1E5
Fax: (416) 314-4506
Email: ERTTribunalsecretary@ontario.ca*

AND

*The Director
Section 7, Pesticides Act
Ministry of the Environment
8th Floor
5775 Yonge St
Toronto ON M2M 4J1
Fax: (416)325-6347*

The Notice should also include:

1. The name of the appellant;
2. The address of the appellant;
3. The Pesticide Permit number;
4. The date of the Pesticide Permit;
5. The name of the Director;
6. The municipality within which the Pesticide Permit is located;

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

Permission is hereby granted under the *Pesticides Act and Regulations* to perform an extermination in accordance with the application and the following supporting information:

Document:	Author:	Version Date:
Letter	Kevin Taylor	2014/04/14
Letter	Town of Georgina	2014/01/07
2014 Mosquito Abatement Program Treatment Area Map	Pestalto Environmental Health Services Inc.	2014/01/14
Georgina Objection Listing	Kevin Taylor	2014/04/15

Dated at Toronto this 16th day of April, 2014.



Dan Delaquis
Director
Section 7, Pesticides Act

Appendix 4

Standing Water Surveillance

Data & Treatments

Municipality	Zone	Address	Site Type	Map ID	Date	Stage	Vegetation	Organic Matter	Pool Area (m2)	Pool Temp C	Sample Count	Pool Rating	Treatment	Visit Count	Treatment Count
Georgina	W24	Opposite 151 Forestry Drive Other side of Road	Ditch	YODI115902	4/1/2014	SURV	Dry	Dry	Dry	0	0	Dry	No	4	0
Georgina	W24	North of 24189 Weirs Side Road Across Road from Georgina Auto Wreckers	Ditch	YOWP115893	4/1/2014	SURV	Dry	Dry	Dry	0	0	Dry	No	8	0
Georgina	W24	Opposite 151 Forestry Drive Other side of Road	Ditch	YODI115902	4/8/2014	SURV	NIL	LOW	400	4	0	NIL	No	4	0
Georgina	W24	Forestry Drive near end enter road blocked trail in 400 metres to large bog	Wetlands	YOWL118964	4/8/2014	SURV	NIL	LOW	30	2	0	NIL	No	6	0
Georgina	W24	North of 24189 Weirs Side Road Across Road from Georgina Auto Wreckers	Ditch	YOWP115893	4/8/2014	SURV	NIL	MOD	300	5	4	LOW	No	8	0
Georgina	W24	Opposite 151 Forestry Drive Other side of Road	Ditch	YODI115902	4/14/2014	SURV	NIL	LOW	400	12	0	NIL	No	4	0
Georgina	W24	Forestry Drive South of 3 Brook Crescent West South of Road	Ditch	YODI116659	4/14/2014	SURV	NIL	LOW	30	12	0	NIL	No	1	0
Georgina	W24	Forestry Drive near end enter road blocked trail in 400 metres to large bog	Wetlands	YOWL118964	4/14/2014	SURV	NIL	LOW	2500	11	13	MOD	No	6	0
Georgina	W24	North of 24189 Weirs Side Road Across Road from Georgina Auto Wreckers	Ditch	YOWP115893	4/14/2014	SURV	LOW	LOW	400	12	47	HIGH	No	8	0
Georgina	W24	South of 3 Forestry Drive	Woodland Pool	YOWP116665	4/14/2014	SURV	NIL	LOW	10000	4	0	NIL	No	3	0
Georgina	W24	Forestry Drive near end enter road blocked trail in 400 metres to large bog	Wetlands	YOWL118964	4/17/2014	SURV	NIL	LOW	30000	7	9	MOD	No	6	0
Georgina	W24	North of 24189 Weirs Side Road Across Road from Georgina Auto Wreckers	Ditch	YOWP115893	4/17/2014	SURV	LOW	LOW	450	7	0	NIL	No	8	0
Georgina	W24	In York Regional Forest across from 111 Forestry Drive	Woodland Pool	YOWP116651	4/17/2014	SURV	LOW	LOW	200	12	0	NIL	No	2	1
Georgina	W24	Forestry Drive near end enter road blocked trail in 400 metres to large bog	Wetlands	YOWL118964	4/21/2014	SURV	LOW	LOW	16000	13	39	HIGH	No	6	0
Georgina	W24	South of 3 Forestry Drive	Woodland Pool	YOWP116665	4/21/2014	SURV	LOW	MOD	200	10	20	MOD	No	3	0
Georgina	W24	Zone W 24	Standing Water Zone	YOZN000W24	4/23/2014	PRE	NIL	LOW	55500	N/A	20	MOD	Yes	1	1
Georgina	W24	Opposite 151 Forestry Drive Other side of Road	Ditch	YODI115902	4/24/2014	POST	LOW	MOD	120	12	0	NIL	No	4	0
Georgina	W24	North of 24189 Weirs Side Road Across Road from Georgina Auto Wreckers	Ditch	YOWP115893	4/24/2014	POST	LOW	MOD	1200	12	0	NIL	No	8	0
Georgina	W24	Forestry Drive near end enter road blocked trail in 400 metres to large bog	Wetlands	YOWL118964	5/1/2014	POST	MOD	MOD	20000	12	0	NIL	No	6	0
Georgina	W24	North of 24189 Weirs Side Road Across Road from Georgina Auto Wreckers	Ditch	YOWP115893	5/1/2014	POST	MOD	MOD	1000	12	0	NIL	No	8	0
Georgina	W24	North of 24189 Weirs Side Road Across Road from Georgina Auto Wreckers	Ditch	YOWP115893	5/6/2014	POST	MOD	MOD	600	17	0	NIL	No	8	0
Georgina	W24	In York Regional Forest across from 111 Forestry Drive	Woodland Pool	YOWP116651	5/6/2014	POST-PRE	MOD	MOD	1500	20	4	LOW	Yes	2	1
Georgina	W24	South of 3 Forestry Drive	Woodland Pool	YOWP116665	5/6/2014	POST	MOD	MOD	200	17	0	NIL	No	3	0
Georgina	W24	Forestry Drive near end enter road blocked trail in 400 metres to large bog	Wetlands	YOWL118964	5/15/2014	POST	MOD	HIGH	300	18	0	NIL	No	6	0
Georgina	W24	North of 24189 Weirs Side Road Across Road from Georgina Auto Wreckers	Ditch	YOWP115893	5/15/2014	POST	MOD	MOD	40	20	0	NIL	No	8	0
Georgina	W25	South side of Petes Lane 90m west of number 95	Ditch	YODI116650	4/1/2014	SURV	NIL	LOW	70	2	0	NIL	No	2	0
Georgina	W25	40 metres south of Petes Lane East of Godfrey Drive	Woodland Pool	YOWP116666	4/1/2014	SURV	Dry	Dry	Dry	0	0	Dry	No	6	0
Georgina	W25	Petes Lane York Forest entrance follow trail in 400 metres to bog on either side of trail	Wetlands	YOWL118966	4/8/2014	SURV	NIL	LOW	50	2	1	LOW	No	5	1
Georgina	W25	59 Petes Lane back into wetlands 200 meters	Wetlands	YOWL116646	4/14/2014	SURV	MOD	MOD	900	12	15	MOD	No	1	0
Georgina	W25	Petes Lane York Forest entrance follow trail in 400 metres to bog on either side of trail	Wetlands	YOWL118966	4/14/2014	SURV	HIGH	LOW	2500	8	0	NIL	No	5	1
Georgina	W25	40 metres south of Petes Lane East of Godfrey Drive	Woodland Pool	YOWP116666	4/14/2014	SURV	HIGH	LOW	400	8	1	LOW	No	6	0
Georgina	W25	South side of Petes Lane 90m west of number 95	Ditch	YODI116650	4/17/2014	SURV	LOW	LOW	70	13	2	LOW	No	2	0
Georgina	W25	Petes Lane York Forest entrance follow trail in 400 metres to bog on either side of trail	Wetlands	YOWL118966	4/17/2014	PRE	LOW	LOW	200	10	15	MOD	Yes	5	1
Georgina	W25	40 metres south of Petes Lane East of Godfrey Drive	Woodland Pool	YOWP116666	4/17/2014	SURV	LOW	LOW	1600	11	3	LOW	No	6	0
Georgina	W25	Petes Lane York Forest entrance follow trail in 400 metres to bog on either side of trail	Wetlands	YOWL118966	4/21/2014	SURV	LOW	LOW	30000	11	18	MOD	No	5	1
Georgina	W25	101 Pete's Lane York Regional Forest	Woodland Pool	YOWP115925	4/24/2014	POST	LOW	LOW	5000	13	0	NIL	No	3	0

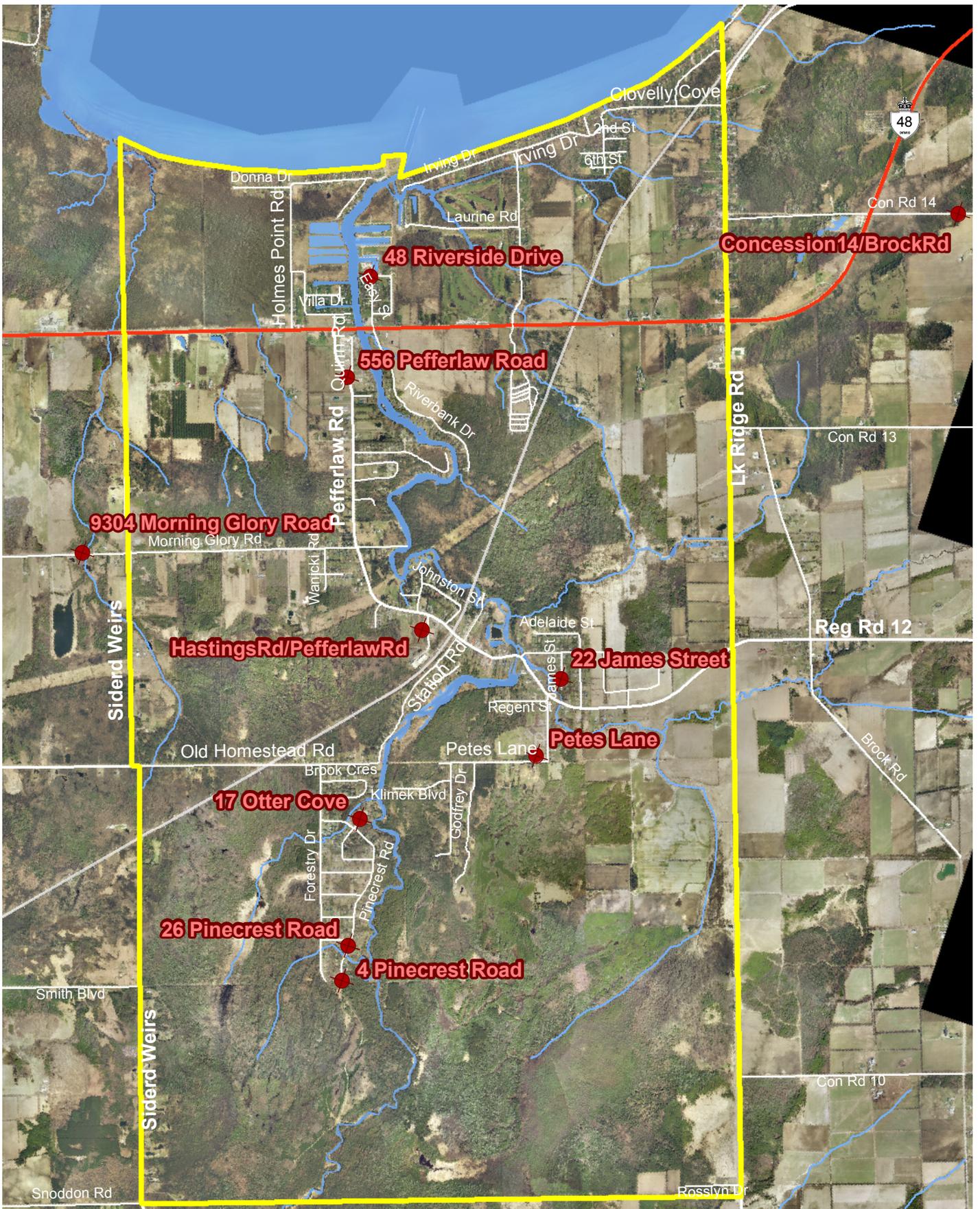
Municipality	Zone	Address	Site Type	Map ID	Date	Stage	Vegetation	Organic Matter	Pool Area (m2)	Pool Temp C	Sample Count	Pool Rating	Treatment	Visit Count	Treatment Count
Georgina	W25	Zone W 25	Standing Water Zone	YOZN000W25	4/24/2014	PRE	NIL	LOW	22200	N/A	21	MOD	Yes	1	1
Georgina	W25	101 Pete's Lane York Regional Forest	Woodland Pool	YOWP115925	5/1/2014	POST	MOD	MOD	5000	12	0	NIL	No	3	0
Georgina	W25	40 metres south of Petes Lane East of Godfrey Drive	Woodland Pool	YOWP116666	5/1/2014	POST	MOD	MOD	100	11	0	NIL	No	6	0
Georgina	W25	95 Pete's Lane adjacent to pst4 and pst 6	Field Pool	YOFP115924	5/6/2014	POST	MOD	LOW	160	22	0	NIL	No	1	0
Georgina	W25	101 Pete's Lane York Regional Forest	Woodland Pool	YOWP115925	5/6/2014	POST	MOD	MOD	4800	22	0	NIL	No	3	0
Georgina	W25	40 metres south of Petes Lane East of Godfrey Drive	Woodland Pool	YOWP116666	5/6/2014	POST	MOD	MOD	4000	19	0	NIL	No	6	0
Georgina	W25	Petes Lane York Forest entrance follow trail in 400 metres to bog on either side of trail	Wetlands	YOWL118966	5/15/2014	POST	MOD	MOD	500	21	0	NIL	No	5	1
Georgina	W25	40 metres south of Petes Lane East of Godfrey Drive	Woodland Pool	YOWP116666	5/15/2014	POST	MOD	MOD	1200	19	0	NIL	No	6	0
Georgina	X24	On the north side of Station Street 30m south west of Kenneth Street In bw road and railroad tracks	Ditch	YODI116652	4/14/2014	SURV	NIL	LOW	400	15	6	LOW	No	3	0
Georgina	X24	End of Lindell Road by and South of Number 18	Woodland Pool	YOWP115896	4/14/2014	SURV	NIL	LOW	400	8	0	NIL	No	1	0
Georgina	X24	On the north side of Station Street 30m south west of Kenneth Street In bw road and railroad tracks	Ditch	YODI116652	4/17/2014	SURV	MOD	LOW	50	10	1	LOW	No	3	0
Georgina	X24	beside 28 Wanicki Road	Field Pool	YOFP115913	4/21/2014	SURV	LOW	MOD	600	12	17	MOD	No	1	0
Georgina	X24	Zone X 24	Standing Water Zone	YOZN000X24	4/23/2014	PRE	NIL	LOW	88800	N/A	27	MOD	Yes	2	2
Georgina	X24	On the north side of Station Street 30m south west of Kenneth Street In bw road and railroad tracks	Ditch	YODI116652	5/6/2014	POST	MOD	MOD	500	21	0	NIL	No	3	0
Georgina	X26	38 Petes Lane ditches within Lions Park and Library	Ditch	YODI118967	4/1/2014	SURV	Dry	Dry	Dry	0	0	Dry	No	6	0
Georgina	X26	38 Petes Lane ditches within Lions Park and Library	Ditch	YODI118967	4/8/2014	SURV	NIL	LOW	10	6	0	NIL	No	6	0
Georgina	X26	38 Petes Lane ditches within Lions Park and Library	Ditch	YODI118967	4/14/2014	SURV	LOW	LOW	100	11	0	NIL	No	6	0
Georgina	X26	38 Petes Lane ditches within Lions Park and Library	Ditch	YODI118967	4/17/2014	SURV	LOW	LOW	80	12	0	NIL	No	6	0
Georgina	X26	Zone X 26	Standing Water Zone	YOZN000X26	4/24/2014	PRE	NIL	LOW	23300	N/A	27	MOD	Yes	1	1
Georgina	X26	38 Petes Lane ditches within Lions Park and Library	Ditch	YODI118967	5/6/2014	POST	MOD	MOD	80	22	0	NIL	No	6	0
Georgina	X26	opposite of 101 Petes Lane	Field Pool	YOFP115923	5/6/2014	POST	MOD	MOD	60	20	0	NIL	No	1	0
Georgina	X26	38 Petes Lane ditches within Lions Park and Library	Ditch	YODI118967	5/15/2014	POST	MOD	MOD	60	21	0	NIL	No	6	0
Georgina	Y26	near 60 Halmar Park Road down slope from mailbox 75 metres safer to walk down	Wetlands	YOWL115904	4/14/2014	SURV	NIL	LOW	900	N/A	0	NIL	No	6	1
Georgina	Y26	near 60 Halmar Park Road down slope from mailbox 75 metres safer to walk down	Wetlands	YOWL115904	4/17/2014	SURV	LOW	LOW	1200	4	0	NIL	No	6	1
Georgina	Y26	near 60 Halmar Park Road down slope from mailbox 75 metres safer to walk down	Wetlands	YOWL115904	4/21/2014	SURV	LOW	LOW	250	10	0	NIL	No	6	1
Georgina	Y26	Zone Y 26	Standing Water Zone	YOZN000Y26	4/23/2014	PRE	NIL	LOW	94400	N/A	20	MOD	Yes	2	2
Georgina	Y26	near 60 Halmar Park Road down slope from mailbox 75 metres safer to walk down	Wetlands	YOWL115904	5/1/2014	POST-PRE	HIGH	MOD	200	8	2	LOW	Yes	6	1
Georgina	Y26	Zone Y 26	Standing Water Zone	YOZN000Y26	5/1/2014	PRE	MOD	LOW	10000	10	8	MOD	Yes	2	2
Georgina	Y26	near 60 Halmar Park Road down slope from mailbox 75 metres safer to walk down	Wetlands	YOWL115904	5/6/2014	POST	MOD	LOW	20000	N/A	0	NIL	No	6	1
Georgina	Y26	near 60 Halmar Park Road down slope from mailbox 75 metres safer to walk down	Wetlands	YOWL115904	5/15/2014	POST	HIGH	MOD	10000	20	0	NIL	No	6	1
Georgina	Y27	near 150 Riverbank Drive ditches	Ditch	YODI118968	4/8/2014	SURV	NIL	LOW	90	9	0	NIL	No	3	0
Georgina	Y27	Zone Y 27	Standing Water Zone	YOZN000Y27	4/23/2014	PRE	NIL	LOW	22200	N/A	21	MOD	Yes	1	1
Georgina	Y27	100 Riverbank Drive trial to left 750 meters to ditch beside railway tracks	Ditch	YODI116645	4/24/2014	POST	LOW	LOW	80	12	0	NIL	No	1	0
Georgina	Y27	near 150 Riverbank Drive ditches	Ditch	YODI118968	5/1/2014	POST	MOD	LOW	40	12	0	NIL	No	3	0
Georgina	Y27	near 150 Riverbank Drive ditches	Ditch	YODI118968	5/6/2014	POST	MOD	MOD	25	21	0	NIL	No	3	0
Georgina	Y28	Durham 23 Lake Ridge Road on map one point three km south of 48 West side	Ditch	YODI115899	4/14/2014	SURV	NIL	LOW	300	5	0	NIL	No	2	0
Georgina	Y28	Highway 48 west side of 30977 on south side of road by in front of storage unit	S.W.M.P.	YOSW115922	4/14/2014	SURV	NIL	MOD	1600	8	0	NIL	No	3	0
Georgina	Y28	Durham 23 Lake Ridge Road on map one point three km south of 48 West side	Ditch	YODI115899	4/17/2014	SURV	LOW	LOW	360	11	0	NIL	No	2	0

Municipality	Zone	Address	Site Type	Map ID	Date	Stage	Vegetation	Organic Matter	Pool Area (m2)	Pool Temp C	Sample Count	Pool Rating	Treatment	Visit Count	Treatment Count
Georgina	Y28	Highway 48 west side of 30977 on south side of road by in front of storage unit	S.W.M.P.	YOSW115922	4/17/2014	SURV	LOW	LOW	1200	10	0	NIL	No	3	0
Georgina	Y28	Zone Y 28	Standing Water Zone	YOZN000Y28	4/23/2014	PRE	NIL	LOW	16600	N/A	16	MOD	Yes	1	1
Georgina	Y28	Highway 48 west side of 30977 on south side of road by in front of storage unit	S.W.M.P.	YOSW115922	5/6/2014	POST	MOD	LOW	2400	19	0	NIL	No	3	0
Georgina	Z24	Across from 23 Moorings Road	Ditch	YODI116663	4/1/2014	SURV	NIL	LOW	20	2	0	NIL	No	2	0
Georgina	Z24	11 Holmes point road across from Moorings road intersection	Wetlands	YOWL115919	4/1/2014	SURV	NIL	LOW	40	2	0	NIL	No	2	0
Georgina	Z24	Moorings Drive and Holmes Point Road 10 metres North side of Moorings Drive	Field Pool	YOFP116667	4/8/2014	SURV	LOW	LOW	60	6	0	NIL	No	2	0
Georgina	Z24	Zone Z 24	Standing Water Zone	YOZN000Z24	4/22/2014	PRE	NIL	LOW	88900	N/A	20	MOD	Yes	1	1
Georgina	Z24	Moorings Drive and Holmes Point Road 10 metres North side of Moorings Drive	Field Pool	YOFP116667	4/24/2014	POST	LOW	MOD	5000	14	0	NIL	No	2	0
Georgina	Z24	Across from 23 Moorings Road	Ditch	YODI116663	5/1/2014	POST	MOD	MOD	60	11	0	NIL	No	2	0
Georgina	Z24	11 Holmes point road across from Moorings road intersection	Wetlands	YOWL115919	5/1/2014	POST	MOD	HIGH	50000	11	0	NIL	No	2	0
Georgina	Z25	28 Riverside Drive	Ditch	YODI116658	4/8/2014	SURV	LOW	LOW	20	4	0	NIL	No	5	0
Georgina	Z25	28 Riverside Drive	Ditch	YODI116658	4/14/2014	SURV	LOW	LOW	30	14	0	NIL	No	5	0
Georgina	Z25	28 Riverside Drive	Ditch	YODI116658	4/17/2014	SURV	LOW	LOW	80	12	0	NIL	No	5	0
Georgina	Z25	Zone Z 25	Standing Water Zone	YOZN000Z25	4/22/2014	PRE	NIL	LOW	33300	N/A	20	MOD	Yes	1	1
Georgina	Z25	Highway 48 north side West of Riverview Beach Road at front of Pines Georgina Golf Course and Restaurant	Ditch	YODI115892	4/24/2014	POST	LOW	LOW	110	12	0	NIL	No	2	0
Georgina	Z25	28 Riverside Drive	Ditch	YODI116658	5/1/2014	POST	MOD	MOD	40	11	0	NIL	No	5	0
Georgina	Z25	Highway 48 north side West of Riverview Beach Road at front of Pines Georgina Golf Course and Restaurant	Ditch	YODI115892	5/6/2014	POST	MOD	LOW	60	19	0	NIL	No	2	0
Georgina	Z25	28 Riverside Drive	Ditch	YODI116658	5/6/2014	POST	MOD	MOD	30	19	0	NIL	No	5	0
Georgina	Z26	20 Bolster Lane flooded woodlands	Field Pool	YOFP115917	4/1/2014	SURV	Dry	Dry	Dry	0	0	Dry	No	7	1
Georgina	Z26	Throrah Park Road 20 metres North of tracks	Woodland Pool	YOUP116639	4/1/2014	SURV	Dry	Dry	Dry	0	0	Dry	No	3	0
Georgina	Z26	Opposite 124 Irving Drive Wetlands	Woodland Pool	YOWP115898	4/1/2014	SURV	NIL	LOW	60	2	0	NIL	No	5	1
Georgina	Z26	20 Bolster Lane flooded woodlands	Field Pool	YOFP115917	4/8/2014	SURV	NIL	LOW	30	3	3	LOW	No	7	1
Georgina	Z26	20 metres north of railroad tracks woodlands before Bolster Lane	Woodland Pool	YOUP116641	4/8/2014	SURV	Dry	Dry	Dry	0	0	Dry	No	3	1
Georgina	Z26	Opposite 124 Irving Drive Wetlands	Woodland Pool	YOWP115898	4/8/2014	SURV	NIL	LOW	300	2	0	NIL	No	5	1
Georgina	Z26	Across Road from 132 Irving Drive	Ditch	YODI115895	4/14/2014	SURV	MOD	MOD	50	9	10	MOD	No	2	1
Georgina	Z26	174 Irving Drive drainage ditches along driveway and neighbouring driveway	Woodland Pool	YODI115897	4/14/2014	SURV	MOD	MOD	50	14	0	NIL	No	2	1
Georgina	Z26	20 Bolster Lane flooded woodlands	Field Pool	YOFP115917	4/14/2014	SURV	NIL	LOW	3200	8	31	HIGH	No	7	1
Georgina	Z26	174 Irving 30m south of road	Pond	YOUP116640	4/14/2014	SURV	MOD	MOD	2500	11	30	MOD	No	2	1
Georgina	Z26	20 metres north of railroad tracks woodlands before Bolster Lane	Woodland Pool	YOUP116641	4/14/2014	SURV	NIL	LOW	625	14	24	MOD	No	3	1
Georgina	Z26	Across Road from 132 Irving Drive	Ditch	YODI115895	4/17/2014	PRE	LOW	LOW	60	11	23	MOD	Yes	2	1
Georgina	Z26	174 Irving Drive drainage ditches along driveway and neighbouring driveway	Woodland Pool	YODI115897	4/17/2014	PRE	LOW	LOW	50	12	19	MOD	Yes	2	1
Georgina	Z26	20 Bolster Lane flooded woodlands	Field Pool	YOFP115917	4/17/2014	PRE	LOW	MOD	4000	12	40	HIGH	Yes	7	1
Georgina	Z26	174 Irving 30m south of road	Pond	YOUP116640	4/17/2014	PRE	LOW	LOW	2500	10	43	HIGH	Yes	2	1
Georgina	Z26	20 metres north of railroad tracks woodlands before Bolster Lane	Woodland Pool	YOUP116641	4/17/2014	PRE	LOW	MOD	400	12	16	MOD	Yes	3	1
Georgina	Z26	20 Bolster Lane flooded woodlands	Field Pool	YOFP115917	4/21/2014	SURV	LOW	MOD	25000	16	20	MOD	No	7	1
Georgina	Z26	Zone Z 26	Standing Water Zone	YOZN000Z26	4/22/2014	PRE	NIL	LOW	61100	N/A	20	MOD	Yes	1	1
Georgina	Z26	Throrah Park Road 20 metres North of tracks	Woodland Pool	YOUP116639	4/24/2014	POST	LOW	LOW	1200	11	0	NIL	No	3	0
Georgina	Z26	Opposite 124 Irving Drive Wetlands	Woodland Pool	YOWP115898	4/24/2014	POST	LOW	MOD	17500	12	0	NIL	No	5	1
Georgina	Z26	Opposite 124 Irving Drive Wetlands	Woodland Pool	YOWP115898	5/1/2014	PRE	MOD	MOD	4000	11	2	LOW	Yes	5	1
Georgina	Z26	Opposite 58 Riverview Beach Road	Woodland Pool	YOWP116636	5/1/2014	POST	MOD	MOD	10500	12	0	NIL	No	1	0
Georgina	Z26	20 Bolster Lane flooded woodlands	Field Pool	YOFP115917	5/6/2014	POST	MOD	MOD	4800	19	0	NIL	No	7	1

Municipality	Zone	Address	Site Type	Map ID	Date	Stage	Vegetation	Organic Matter	Pool Area (m2)	Pool Temp C	Sample Count	Pool Rating	Treatment	Visit Count	Treatment Count
Georgina	Z26	Throrah Park Road 20 metres North of tracks	Woodland Pool	YOUK116639	5/6/2014	POST	MOD	MOD	1200	20	0	NIL	No	3	0
Georgina	Z26	Opposite 124 Irving Drive Wetlands	Woodland Pool	YOWP115898	5/6/2014	POST	HIGH	MOD	2700	21	0	NIL	No	5	1
Georgina	Z26	20 Bolster Lane flooded woodlands	Field Pool	YOFP115917	5/15/2014	POST	MOD	LOW	300	19	0	NIL	No	7	1

Appendix 5

Map of the Adult Sweep Net Locations



Legend

- Roads**
- Highway
- Arterial
- Collector
- Streams
- Waterbody
- Treatment Area
- Sweep Net Locations

Georgina Adult Sweep Net Count Locations



1 centimeter = 340 meters

1:34,000

