

LONDONDERRY TOWN COUNCIL MEETING MINUTES

1
2 **March 21, 2016**

3
4 The Town Council meeting was held in the Moose Hill Council Chambers, Town Hall, 268B Mammoth Road, Londonderry,
5 NH.

6
7 Present: Chairman John Farrell; Vice Chairman Tom Freda; Councilors Jim Butler, Joe Green and Tom Dolan; Town
8 Manager Kevin Smith; Executive Assistant Kirby Wade

9
10 **CALL TO ORDER**

11
12 Chairman Farrell opened the meeting with the Pledge of Allegiance. This was followed by a moment of silence for all the
13 men and women who serve us here and abroad and all first responders and the men and women who serve us here and
14 abroad.

15
16 **PUBLIC COMMENT**

17
18 Chairman Farrell invited up Cassie Gudek, the Community Liaison Director for New Hampshire Job Corps Center. She
19 presented the council with a brief history, who they serve and how they serve them. It is a federally funded program through
20 the Department of Labor. Gudek discussed the programs that they offer. The Council thanked Gudek for attending the
21 meeting and informing the public about New Hampshire Job Corp Center.

22
23 Chairman Farrell opened up Public Comment. There was no comment from the public.

24
25 **PUBLIC HEARING**

26
27 **NONE**

28
29 **NEW BUSINESS**

30
31 Chairman Farrell introduced the appointment of the Tax Collector/Deputy Town Clerk and the Deputy Tax Collector.
32 Chairman Farrell stated that pursuant to RSA 41:33, the Council hereby appoint Kathleen Donnelly of 23 Rainbow Drive,
33 Londonderry, NH, as the Town of Londonderry Tax Collector and Deputy Town Clerk starting on March 16th, 2016 and shall
34 be valid until March 16, 2017. Councilor Green motioned to accept the appointment. Second by Vice Chairman Freda. Chair
35 votes 5-0-0. Chairman Farrell stepped down from the appointment due to his relationship with the appointee. Vice Chairman
36 Freda read in the motion to appoint the elected Town Clerk Sherry Farrell as the Deputy Tax Collector pursuant to RSA
37 41:18. Motion to approve made by Councilor Green and second by Councilor Dolan. Chair votes 4-0-1.

38
39 Chairman Farrell introduced Order #2016-09, the expenditure of Maintenance Trust Fund for various projects. This Order is
40 for the vent pipe replacement at South Fire Station and the energy wheel bearings ERU-1 at North Fire Station. Motion to
41 approve Order #2016-09 made by Councilor Green and second by Vice Chairman Freda. Chair votes 5-0-0.

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APPROVAL OF MINUTES

Motion to approve the Town Council minutes from March 7, 2016 made by Councilor Green and second by Councilor Butler. Chair votes 4-1-0. Councilor Dolan stepped out of the meeting for a minute.

BOARD/COMMITTEE APPOINTMENTS

The Council motioned to appoint Todd Ellis as an alternate member to the Recreation Commission. That is the Recreation Departments recommendation. Motion to appoint made by Councilor Green and second by Councilor Butler. Chair votes 5-0-0.

ADJOURNMENT

Motion to adjourn made by Councilor Dolan and second by Councilor Green. Chair votes 5-0-0.

Notes and Tapes by:	Kirby Wade	Date: 03/21/2016
Minutes Typed by:	Kirby Wade	Date: 03/24/2016
Approved by:	Town Council	Date: 04/04/2016



ZIKA

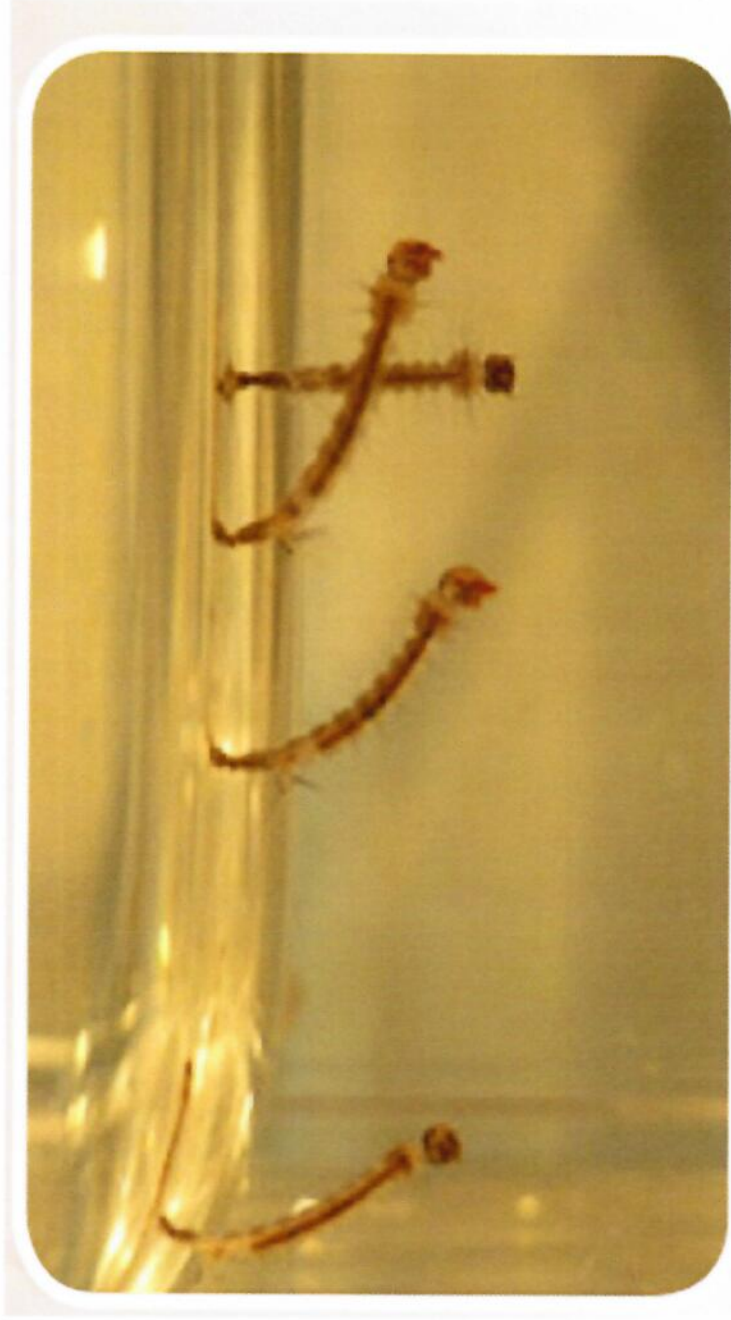
- What we know
- What steps we're taking

Richard G. Canuel, Health Officer



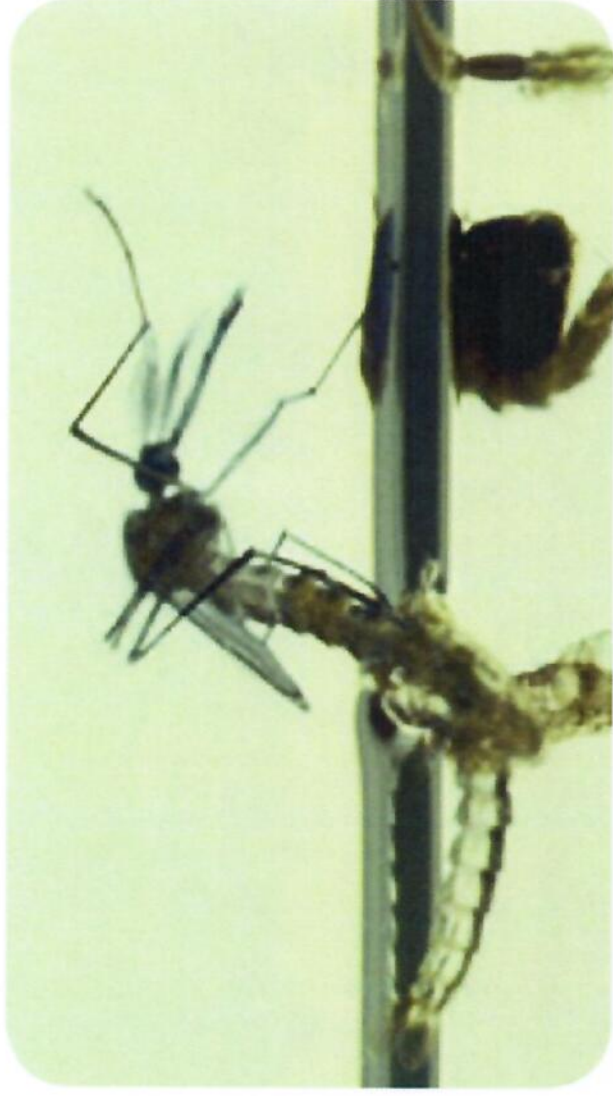
Eggs look like black dirt.

Females generally lay 100 eggs at a time



Larvae in the water.

Clinging to water surface for oxygen



Emerging adult mosquito.

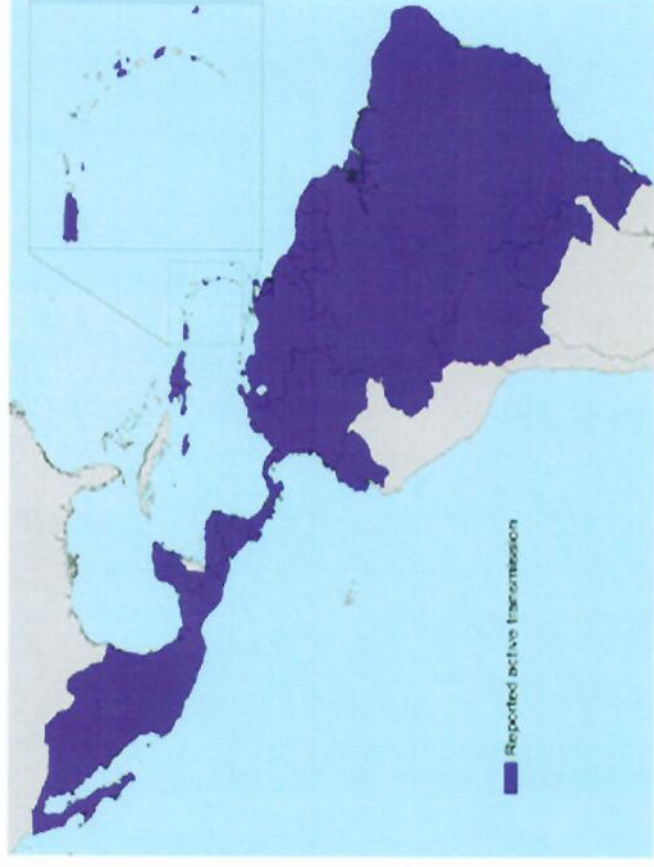
The *Aedes Aegypti* & *Aedes Albopictus* are primarily container breeders rather than water bodies



Female mosquito after biting a person.

The process from Egg Hatch - Larva - Pupa - Adult = 8 to 10 Days

Countries and Territories in the Americas with Active Zika Virus Transmission



South America, Central America, Caribbean Islands

Approximate distribution of *Aedes albopictus* in the United States*



Likely geographic area of the Zika-carrying *albopictus* species

What You Should Know About Zika Virus



What is Zika virus and how does it spread?

Zika virus (ZIKV) was first discovered in 1947 in the Zika Forest of Uganda. Shortly thereafter, it was isolated from mosquitoes and then humans in 1968. ZIKV is a flavivirus similar to yellow fever, dengue, Japanese encephalitis, and West Nile virus. Prior to 2007, it had only been detected in central Africa and throughout southeast Asia. However, in 2007, it was associated with a disease outbreak on Yap Island in the south Pacific, representing the first time it had spread outside of Asia. From there, it spread to South America with human cases first reported in 2014.

ZIKV is transmitted by *Aedes* mosquitoes. In the Americas, it has only been linked to transmission by *Aedes aegypti*. *Ae. aegypti* is also responsible for the transmission of dengue virus, yellow fever virus, and chikungunya virus. Recently in Africa, the virus was detected in *Aedes albopictus*, or the Asian tiger mosquito; hence, it is likely that *Ae. albopictus* could vector the virus in the Americas.



Symptoms of Zika Infection

- Typically, people with ZIKV infection begin showing symptoms with a mild headache.
- Within a day or two, a maculopapular rash may appear and can cover many parts of the body (arms, back, face, and chest).
- Following the rash, people generally report continued fever, malaise, and body aches.
- Other symptoms can include diarrhea, constipation, abdominal pain, and dizziness.



Treatment of Zika Infection

- Treatment includes rest and the use of acetaminophen to relieve fever.
- Patients should also be advised to drink plenty of fluids if diagnosed.
- If anyone has recently traveled to a known endemic area and are displaying any of the symptoms of Zika infection, they should consult their physician immediately.

Concerns with Pregnancy and Perinatal Infections

If a pregnant woman is infected with Zika virus, it may result in microcephaly, a birth defect causing underdevelopment of the head and brain in newborn children. However, the link between ZIKV and infant microcephaly is poorly understood at this time.



>>> More about *Aedes aegypti*



Ae. aegypti, the yellow fever mosquito, is characterized by a silvery-white "lyre-shaped" pattern of scales on its body. It is a peridomestic species found not far from human dwellings, and is particularly abundant in towns and cities. They are primarily early morning or late afternoon feeders, but females can also take a bloodmeal at night under artificial illumination. *Aedes aegypti* is reported to fly only a few hundred yards from breeding sites. Larvae can be found in a variety of artificial containers, including buckets, tires, cans, and flower pots.

Vector Disease Control International

vdd.net



Sick with CHIKUNGUNYA, DENGUE, or ZIKA?

Protect yourself and others from mosquito bites during the first week of illness.

Protect family and friends

- During the first week of illness, chikungunya, dengue, or Zika virus can be found in the blood.
- A mosquito that bites you can become infected.
- An infected mosquito can bite a family member or neighbor and make them sick.



Watch for these symptoms

See your doctor if you develop a fever with any of the following symptoms:

- Muscle or joint pain
- Headache, especially with pain behind the eyes
- Rash
- Conjunctivitis (red eyes)



Protect yourself from mosquito bites

- Wear long-sleeved shirts and long pants.
- Use door and window screens to keep mosquitoes outside.
- Use insect repellent.

For more information:

www.cdc.gov/chikungunya
www.cdc.gov/dengue
www.cdc.gov/zika



U.S. Department of
Health and Human Services
Centers for Disease
Control and Prevention

CS333037-A

Is there a treatment for Zika virus?

- There is no specific treatment for Zika virus infection, except to treat the symptoms:
- Get plenty of rest



- Drink fluids to prevent dehydration

- Take medicine such as acetaminophen to reduce fever and pain



- DO NOT take aspirin or other non-steroidal anti-inflammatory drugs (NSAIDs) as they have been linked to Reye syndrome.



- If you are taking a medicine for another medical condition, talk with your healthcare provider before taking any additional medication.



How dangerous is Zika virus?

Most people do not develop any symptoms and those who do almost always recover within about a week. Only a few deaths have ever been reported linked to the virus.

After having Zika virus, are people immune?

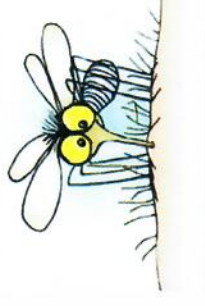
Once a person has been infected, he or she is likely to be protected from future infections.

Zika Virus Outbreak: Update #2

* 3/1/2016, the New Hampshire Department of Health and Human Services (DHHS) is announcing the first New Hampshire resident confirmed with Zika virus. The adult female patient contracted the virus after sexual contact with a male who had a compatible illness following travel to a country where Zika virus transmission is ongoing. The patient has fully recovered and is not pregnant.

* To date, 55 samples from residents across New Hampshire have been sent for testing for the Zika virus. Of the tests that have been completed, this is the first positive in the State.

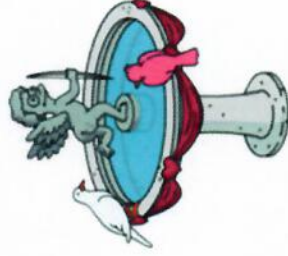
Precautions to avoid being bitten



- Use insect repellent containing DEET, picaridin, or oil of lemon eucalyptus according to the manufacturer's label;
- Wear long sleeves and pants; Aedes mosquitoes often bite during the day;
- Stay in places with window and door screens;



- Sleep under a bed net if mosquitoes cannot be kept out of the place you are staying; and
- Eliminate sources of standing water, which allow the mosquitoes to breed.





The Repellency Awareness graphic will provide clear information about repellency on a product label to help you choose an insect repellent.

**LONDONDERRY MOSQUITO
CONTROL PROGRAM**

MARCH 7, 2016

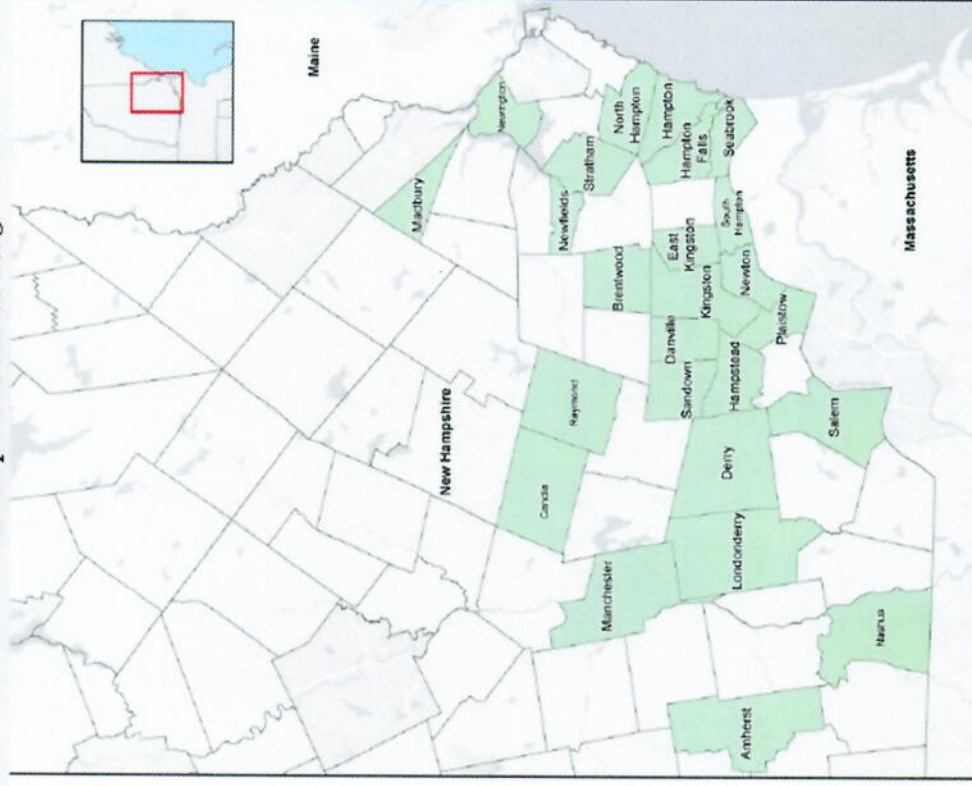
SARAH MACGREGOR, PRESIDENT



2015 Municipalities

- 24 Municipalities received varying levels of service from Dragon
- 21 Municipalities had active control programs
- 2 Towns received emergency spraying

DRAGON MOSQUITO CONTROL, Inc
Municipalities Served 2015



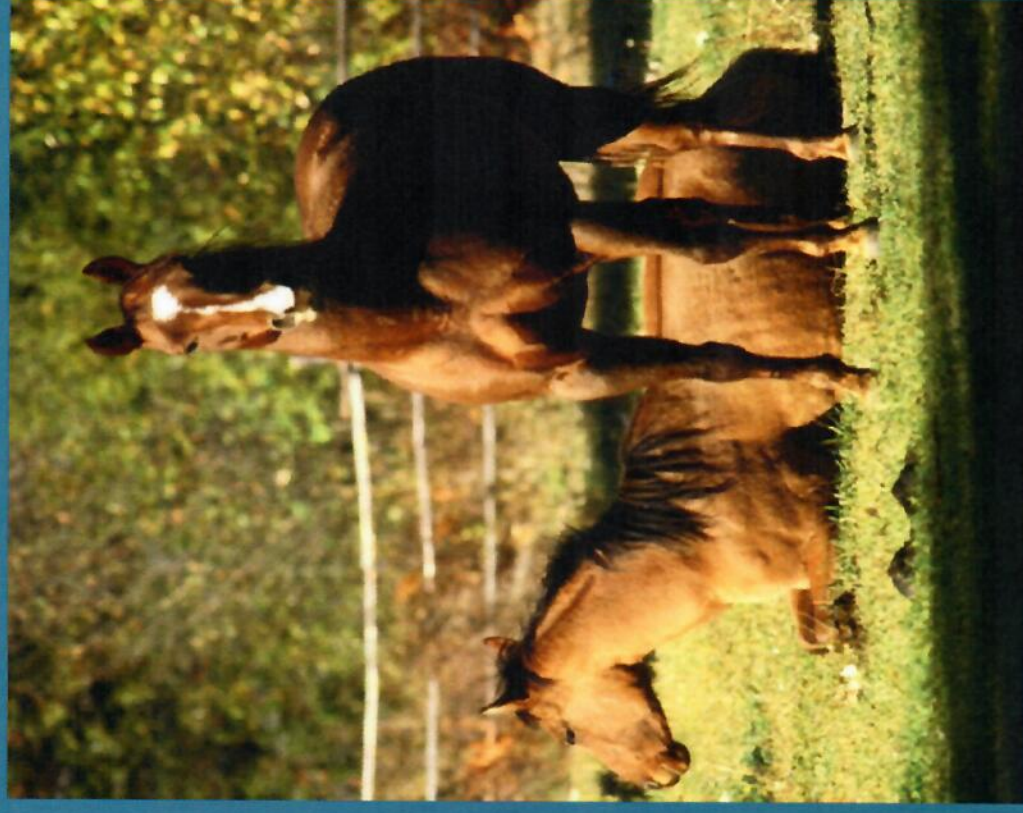
2015 Surveillance

107 trap stations per week
light and gravid traps
23 towns



BACKGROUND

2004 EEE
reemerges
after 22 years



EEE Nationally, 2005

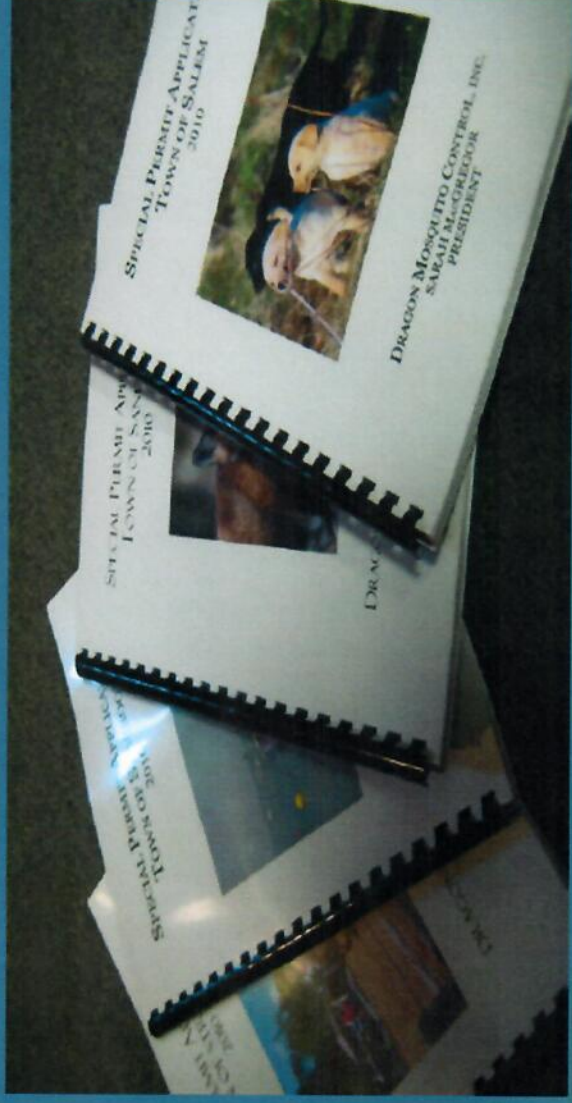
- 21 cases reported (8 deaths)
- **New Hampshire: 7 (2 deaths)**
- Florida: 5 (3 deaths)
- Massachusetts: 4 (2 deaths)
- Alabama: 2 (1 death)
- South Carolina: 1 (0 deaths)
- Georgia: 1 (0 deaths)
- Louisiana: 1 (0 deaths)

BACKGROUND

- 2004 EEE reemerged after 22 years
- 2005 EEE human case in Londonderry - 1 of 7 that year
- 2006 Dragon hired to conduct a mosquito control program

State Special Permit

Required for municipal programs
Permit process can take 120 days
Submit application in Jan/Feb
Reviewed by six State Agencies



Late Winter – Early Spring

- Certified letters mailed to beekeepers
- Public notices are posted or printed
- Publish training manuals, MSDS booklets, employee handbooks, etc.
- Update No-Spray Registry
- Advertise and interview new hires
- Gear up for the season

Spring Field Work



Collect Larvae



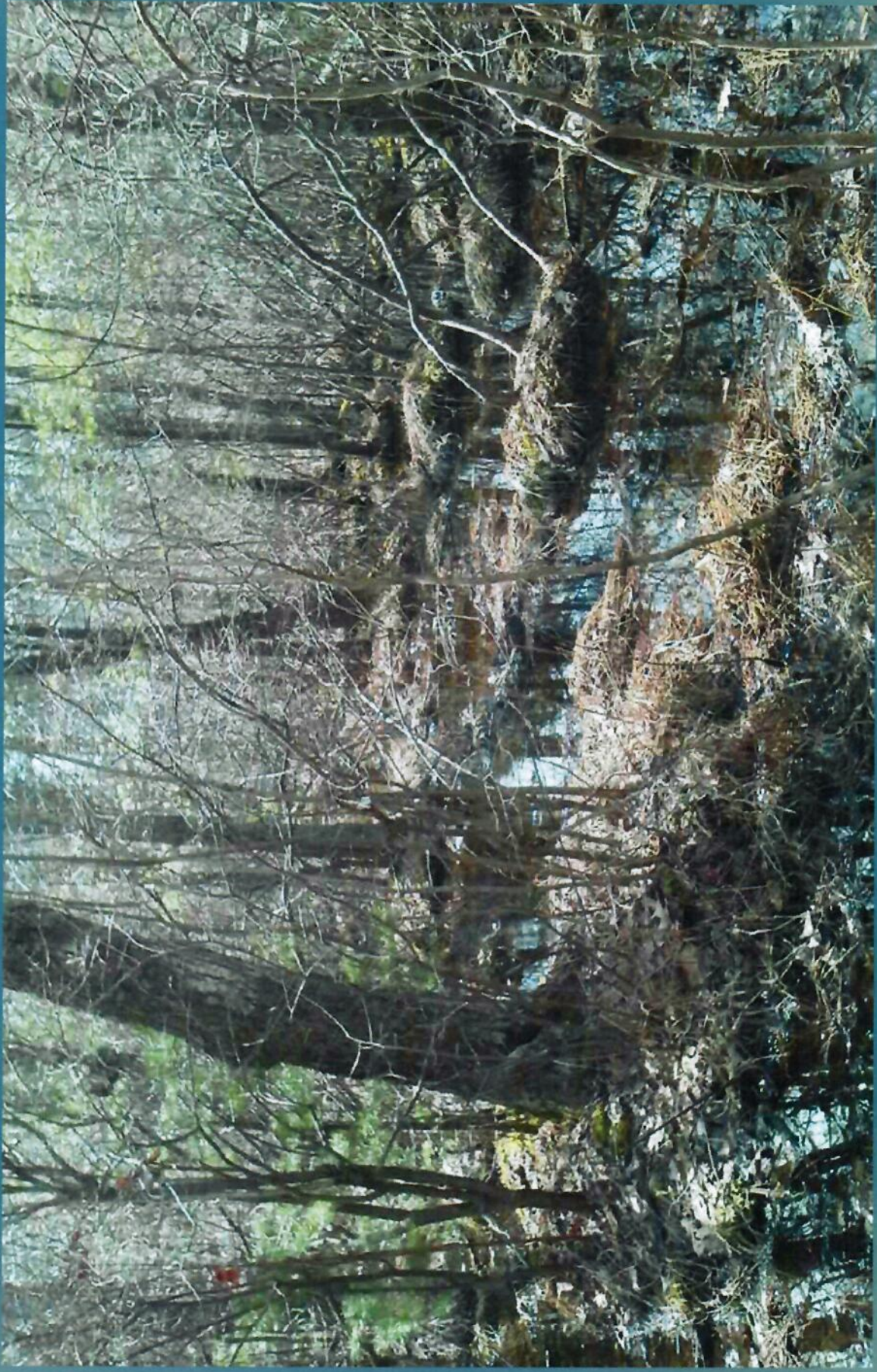




Larval Identification



Monitor various larval habitats



Perfect manmade habitat



Catch Basins & Storm Drains



Larviciding

- Treat stagnant water to control mosquito larvae
- *Bacillus* bacterium kills larvae
- April to October
- State Special Permit is required
- Spring freshwater sites
- Summer catch basins – nearly 3900 were treated in 2015

Mosquito Surveillance

- Catch adult mosquitoes in light traps
- Four fixed trap locations in Londonderry
- Traps set weekly mid-June to October
- 29 mosquitoes species found in town
- Mosquitoes are sent to the State Lab in Concord for disease testing
- Mosquitoes carrying disease found at 3 of those sites through the years

Dry Ice Baited Light Trap



Identify mosquitoes to species



WHAT'S NEW?

Mosquito Species

Adulticiding



Schools and Parks



West Nile Virus Mosquito Activity in 2015

Manchester

Mosquitoes - Collected on 9-9-15

East Kingston

Mosquitoes - Collected on 9-10-15

Keene

Mosquitoes - Collected on 9-11-15

Eastern Equine Encephalitis Activity in 2015

Newton

Mosquitoes - Collected on 9-17-15

Candia

Mosquitoes - Collected on 9-29-15

Holderness

Raven - Date of onset 9-17-15

New Mosquito Species in NH

Anopheles crucians

- Seven specimens collected in Candia
 - July 21 & 28
 - August 11 & 25
 - September 1
- One specimen collected in Kingston
 - July 23

Anopheles crucians

Larval Habitat: sphagnum bogs, ponds & acidic swamps

EEE virus was isolated from pools of *An. crucians* in Louisiana, Georgia, Florida, Alabama, and South Carolina.

Also found positive for WNV, LaCrosse, Trivittatus viruses

Larvae have been collected from a swamp in Candia on Nov 12, 2015.

NEW DISEASES

- 1999 West Nile Virus
- 2014 Chikungunya
- 2016 Zika Virus

ZIKA VIRUS

- New information emerging weekly
- Rapid spread in Americas & Caribbean
- Usually mild symptoms within 2-7 days after being bitten by infected mosquito
- Fever, rash, joint pain, muscle pain, eye pain, conjunctivitis
- Microcephaly
- Guillian Barre Syndrome
- Sexual Transmission of Zika Virus

WHY IS THIS HAPPENING?

- Climate Change
- El Niño
- Virus Mutation
- Crowded Living Conditions
- Air Travel
- Smaller World
- No Immunity to the Zika Virus

Is NH at Risk of Zika Outbreak?

- No. Highly unlikely.
- Most houses have screens on windows and air conditioning
- Well established mosquito control programs in some areas
- No overcrowding, no slums, no open cisterns for our water supply

We don't have the two species of mosquitoes that transmit Zika Virus



Aedes albopictus has been found in MA and CT but not well established



WHAT IF.....?

- What if my neighbor comes back from vacation with Zika virus?
- What if *Aedes albopictus* is found in NH?
- What if a different mosquito can transmit Zika Virus?
- What if I go to the Olympics in Rio and contract Zika? Can I pass Zika onto my family?

Should we be doing more?

- Lessons learned from West Nile Virus
- Empty containers of water
- Treat stagnant water
- Monitor the mosquito population
- Test for mosquito borne diseases
- Public awareness is part of the solution

Visit Our Web Site

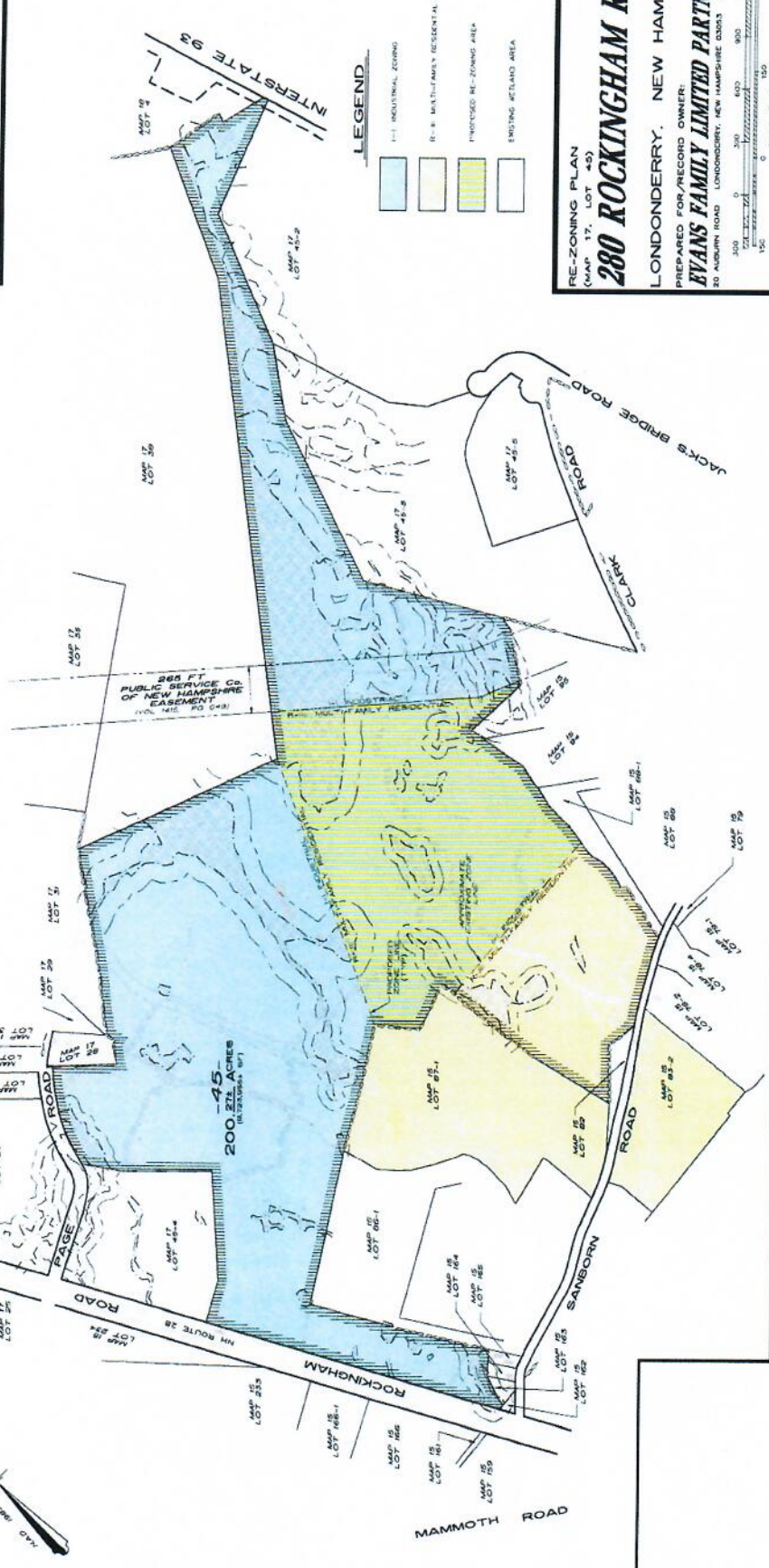
www.DragonMosquito.com

1. Request a larval survey
2. Register as a no-spray for 2016
3. Sign up for Disease Alerts on Dragon's Twitter account



QUESTIONS?

- NOTES:**
- TOTAL SITE AREA 200.274 ACRES (8723,9551 89)
 - PRESENT ZONING I-1 INDUSTRIAL/179 ACRES (2078 ACRES)
 - PURPOSE OF PLAN TO RE-ZONE A PORTION OF THE SITE FROM ZONE I-1 INDUSTRIAL TO R-R MULTI-FAMILY RESIDENTIAL FROM ZONE I-1 INDUSTRIAL TO R-R MULTI-FAMILY RESIDENTIAL
 - OWNER OF RECORD EVANS FAMILY LIMITED PARTNERSHIP
20 AUBURN ROAD, NH 03023
BX 5643 PO BOX 1



LEGEND

- I-1 INDUSTRIAL ZONING
- R-R MULTI-FAMILY RESIDENTIAL ZONING
- PROPOSED RE-ZONING AREA
- EXISTING WETLAND AREA

RE-ZONING PLAN
(MAP 17, LOT 45)
280 ROCKINGHAM ROAD
LONDONDERRY, NEW HAMPSHIRE
PREPARED FOR/RECORD OWNER:
EVANS FAMILY LIMITED PARTNERSHIP
20 AUBURN ROAD LONDONDERRY, NEW HAMPSHIRE 03023 (603) 434-7911
DATE: 12/28/2015
SCALE: 1" = 300 FEET
300 0 300 600 900 1,200 FEET
150 0 150 300 450 METERS
28 DECEMBER 2015

HESI Hays & Sons, Inc.
1000 North Main Street, Londonderry, NH 03053
TEL: (603) 434-7911 FAX: (603) 434-7912
WWW.HESI-INC.COM
4307-02 1 OF 1