

DRAGON MOSQUITO CONTROL, INC.
P.O. Box 46, Stratham, NH 03885
www.DragonMosquito.com
603.734.4144

September 2023
Monthly Update

In September, NH Department of Health & Human Services (DHHS) announced mosquito and tick-transmitted infections in the State. New Hampshire's first human case of Jamestown Canyon Virus (JCV) was confirmed in Bedford. JCV is a mosquito borne disease primarily found in deer. This year, 14 batches of mosquitoes have tested positive for JCV. New Hampshire's first West Nile Virus detection was from mosquitoes trapped in Stratham on September 19th. The first EEE (Eastern Equine Encephalitis) positive mosquitoes were caught in Fremont on October 4th.

NH DHHS also reported two human cases of Powassan Virus (POW). One case is in Rockingham County and the other is a child in Carroll County. Powassan Virus is transmitted to people by infected ticks. A tick needs to be attached to a person for only 15 minutes to transmit POW. New Hampshire has identified eight cases of Powassan Virus, since 2013.

September Highlights:

- No disease carrying mosquitoes have been detected in town
- Monitored catch basins for larval mosquito activity
- Treated catch basins with a bacterium to control disease carrying mosquitoes
- Checked wetlands for mosquito larvae and treated as needed with Bti
- Trapped adult mosquitoes weekly throughout town
- Processed and identified adult mosquitoes to species
- Sent adult mosquito species to the State Lab in Concord for disease testing

Mosquito populations plummet during drought years and rebound in wet summers like this past one creating the potential for mosquito borne disease to return. The risk will not diminish until we have a hard freeze. Mosquitoes that overwinter as adults look for warm places this time of year. They may fly inside your home or garage to wait for spring.

Blacklegged ticks are responsible for Lyme disease and the transmission of POW among other tickborne diseases. Nearly three quarters of all Lyme disease cases are acquired from ticks picked up during activities around the home. Adult blacklegged ticks will be active until there is snow on the ground. Be vigilant this fall and continue to avoid mosquito and tick bites.

Town of Danville

Activity Report

September 2023

Date	Activity
9-05	Adult mosquitoes identified and processed
9-06	Set out light trap at Ye Old Cemetery - Main St
9-06	Set out light trap on Boulder Dr
9-06	Set out light trap at Danville Elementary School - Main St
9-06	Set out light trap on Highland Dr
9-07	Pick up light trap at Ye Old Cemetery - Main St
9-07	Pick up light trap on Boulder Dr
9-07	Pick up light trap at Danville Elementary School - Main St
9-07	Pick up light trap on Highland Dr
9-07	Adult mosquitoes sent to State Lab for disease testing
9-08	Survey left of 9 Spruce Rd - woodland depression
9-08	Survey Back Rd - across from Brentwood Rd - vernal pools
9-08	Larvicide Back Rd - across from Brentwood Rd - vernal pools
9-08	Survey across from 147 Back Rd to Cross Rd (dirt) - woodland pools
9-08	Larvicide across from 147 Back Rd to Cross Rd (dirt) - woodland pools
9-08	Survey Back Rd, across from Wyman's Landing - woodland pools
9-08	Larvicide Back Rd, across from Wyman's Landing - woodland pools
9-08	Survey down ATV trail - 17 Jade Dr - woodland pools
9-08	Larvicide down ATV trail - 17 Jade Dr - woodland pools
9-08	Survey north side of Emerald Dr (across from ATV trail) - woodland pools
9-08	Larvicide north side of Emerald Dr (across from ATV trail) - woodland pools
9-08	Survey across from 7 Opal Dr - red maple swamp
9-08	Larvicide across from 7 Opal Dr - red maple swamp
9-08	Survey 1 Frye Rd to Kacie Ln - pools
9-08	Larvicide 1 Frye Rd to Kacie Ln - pools
9-08	Survey left of 45 Highland Dr - woodland pools
9-08	Larvicide left of 45 Highland Dr - woodland pools
9-08	Survey 41 Peabody Dr - woodland pools
9-08	Larvicide 41 Peabody Dr - woodland pools
9-08	Survey 58 Peabody Dr - woodland pool
9-08	Larvicide 58 Peabody Dr - woodland pool
9-13	Adult mosquitoes identified and processed
9-13	Set out light trap at Ye Old Cemetery - Main St
9-13	Set out light trap on Boulder Dr
9-13	Set out light trap at Danville Elementary School - Main St
9-13	Set out light trap on Highland Dr

Town of Danville

Activity Report

September 2023

Date	Activity
9-14	Adult mosquitoes sent to State Lab for disease testing
9-14	Pick up light trap at Ye Old Cemetery - Main St
9-14	Pick up light trap on Boulder Dr
9-14	Pick up light trap at Danville Elementary School - Main St
9-14	Pick up light trap on Highland Dr
9-14	Survey catch basins on Cheney Ln
9-14	Survey catch basins on Creek Hill Rd
9-14	Survey catch basins on GH Carter Rd
9-14	Survey catch basins on Granite Dr
9-14	Survey catch basins on Hampstead Rd
9-14	Survey catch basins on Hersey Rd
9-14	Survey catch basins on Lois Ln
9-14	Survey catch basins on Route 111
9-14	Survey catch basins on Route 111A
9-14	Survey catch basins on Route 111A - Town Hall
9-14	Survey behind Danville Baptist Church, 226 Main St - swamp
9-14	Larvicide 29 catch basins
9-14	Survey across from Ye Old Cemetery, Main St - woodland pools
9-14	Survey GH Carter Rd & end of Colby Pond Rec Facility - woodland pools
9-14	Larvicide GH Carter Rd & end of Colby Pond Rec Facility - woodland pools
9-14	Survey next to 15 Hersey Rd, across from Center Cemetery - woodland pools
9-14	Larvicide next to 15 Hersey Rd, across from Center Cemetery - woodland pools
9-14	Survey behind "Little Red School House", Main St - swamp & woodland pools
9-14	Larvicide behind "Little Red School House", Main St - swamp & woodland pools
9-19	Survey behind & right of 13 Deer Lick Rd - pools & depressions
9-19	Survey front of & behind 30 Deer Lick Rd - woodland pools
9-19	Survey 41 Peabody Dr - woodland pools
9-19	Survey 58 Peabody Dr - woodland pool
9-19	Survey behind "Little Red School House", Main St - swamp & woodland pools
9-19	Survey corner of Caleb Dr & GH Carter Dr - small swamp & pools
9-19	Survey intersection of GH Carter Dr & Sanborn Rd - pools
9-19	Larvicide intersection of GH Carter Dr & Sanborn Rd - pools
9-19	Survey GH Carter Rd & end of Colby Pond Rec Facility - woodland pools
9-19	Larvicide GH Carter Rd & end of Colby Pond Rec Facility - woodland pools
9-19	Survey behind & left of 14 Peabody Dr - swamp
9-19	Larvicide behind & left of 14 Peabody Dr - swamp

Town of Danville

Activity Report

September 2023

Date Activity

9-20 Set out light trap at Ye Old Cemetery - Main St
9-20 Set out light trap on Boulder Dr
9-20 Set out light trap at Danville Elementary School - Main St
9-20 Set out light trap on Highland Dr
9-20 Adult mosquitoes identified and processed
9-21 Pick up light trap at Ye Old Cemetery - Main St
9-21 Pick up light trap on Boulder Dr
9-21 Pick up light trap at Danville Elementary School - Main St
9-21 Pick up light trap on Highland Dr
9-21 Adult mosquitoes sent to State Lab for disease testing
9-26 Adult mosquitoes identified and processed
9-26 Survey Back Rd, across from Wyman's Landing - woodland pools
9-26 Survey behind 22 Wyman's Landing to stonewall - woodland pools
9-26 Survey behind & to the right of 9 Back Rd - cattail pond with swampy edges
9-26 Survey between 40-48 Back Rd - roadside pools
9-26 Survey Back Rd, across from Spindle St & Brentwood Rd - woodland pools
9-26 Survey south side of Sandown Rd - down ATV trail under power lines - depressions
9-26 Survey intersection of 11 Hawke Ln & 47 Long Pond Rd - swamp
9-26 Survey between 46 & 58 Long Pond Rd - woodland pools
9-26 Survey intersection of Sandown Rd & Twin Bridge Rd - swamp
9-26 Larvicide intersection of Sandown Rd & Twin Bridge Rd - swamp
9-26 Survey Back Rd - across from Brentwood Rd - vernal pools
9-26 Larvicide Back Rd - across from Brentwood Rd - vernal pools
9-27 Set out light trap at Ye Old Cemetery - Main St
9-27 Set out BG trap at Ye Old Cemetery - Main St
9-27 Set out light trap on Boulder Dr
9-27 Set out light trap at Danville Elementary School - Main St
9-27 Set out light trap on Highland Dr
9-28 Pick up BG trap at Ye Old Cemetery - Main St
9-28 Pick up trap at Ye Old Cemetery - Main St
9-28 Pick up light trap on Boulder Dr
9-28 Pick up light trap at Danville Elementary School - Main St
9-28 Pick up light trap on Highland Dr
9-28 Adult mosquitoes sent to State Lab for disease testing
9-29 Adult mosquitoes identified and processed

Town of Danville

Activity Report

September 2023

Date **Activity**

Disease Update

No positive results in Danville as of 9-30-23

Total mosquito batches sent to State Lab for testing: 199

One human case of Jamestown Canyon Virus has been confirmed in Bedford

Rockingham and Carroll County each have human cases of Powassan Virus

Please refer to the attached New Hampshire Arbovirus Surveillance Bulletin for complete test results

Town of Danville

Catch Basin Treatment

2023

Street Name	# Catch Basins	Street Name	# Catch Basins
Autumn St	1		
Back Rd	0		
Beach Plain Rd	3		
Brentwood Rd	2		
Brookside Dr	2		
Cheney Ln	10		
Colby Rd	2		
Creek Hill Rd	1		
Doe Run Rd	1		
Gerry Dr	1		
GH Carter Dr	2		
Granite Dr	6		
Hampstead Rd	2		
Hersey Rd	1		
Highland Dr	0		
Hunt Rd	0		
Huntington Hill Rd	0		
Johnson Rd	0		
Kingston Rd	3		
Lois Ln	2		
Lollipop Ln	2		
Long Pond Rd	4		
Moose Hollow	2		
Old Johnson Rd	0		
Olde Rd	2		
Pine St	1		
Route 111	13		
Route 111A	13		
Route 111A - Flying Wheels	0	5/30/2023	53
Route 111A - Town Hall	2	9/14/2023	29
Sandown Rd	1		
Tempo Dr	1		
Walker Rd	2		
		Subtotal	82

New Hampshire Arbovirus Surveillance Bulletin #15

ROUTINE TEST RESULTS MMWR Week 40 October 1, 2023 – October 7, 2023

HUMANS		Number Tested	WNV Positive [¥]	EEEV Positive [¥]	JCV Positive [¥]	POW Positive [¥]
CURRENT YEAR	Week	0	0	0	0	0
	YTD	27	0	0	1	2
Prior Years	2022	26	0	0	0	0
	2021	45	1 [£] , [€]	0	5	1 [£]
	2020	33	0	0	5	0
	2019	35	0	0	3	2
	2018	30	0	0	1 [€]	0

[¥] Confirmatory testing completed by the Centers for Disease Control and Prevention (CDC). There is a delay between testing and result confirmation.

[£] Testing performed by commercial laboratory

[€] Infection likely acquired out of state.

ANIMALS		Number Tested	WNV Positive	EEEV Positive
CURRENT YEAR	Week	0	0	0
	YTD	3	0	0
Prior Years	2022	0	0	0
	2021	3	0	0
	2020	7	0	0
	2019	19	1	2
	2018	13	4	0

MOSQUITO BATCHES*		Number Tested	WNV Positive	EEEV Positive	JCV Positive
CURRENT YEAR	Week [‡]	414	0	1	0
	YTD	7940	1	1	14
Prior Years	2022	1829	8	0	2
	2021	5724	6	0	14 ^α
	2020	1988	2	0	-
	2019	5610	1	16	-
	2018	4945	32	6	-

* A mosquito batch is a collection of mosquitoes sorted by species, date of collection, and trap location.