

DRAGON MOSQUITO CONTROL, INC.
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July 2023
Monthly Update

We've had the wettest June and July on record. It is no surprise that the mosquitoes are bad. Every available area for mosquitoes to breed was constantly filled with water. Keeping up with the mosquitoes that this weather has produced is a daunting task. You can lend a hand by emptying the standing water from containers around your home. Water in a wheelbarrow or kiddie pool in your backyard can produce thousands of mosquitoes.

In July, Dragon has:

- Checked mosquito breeding sites and treated as needed
- Responded to house call requests
- Emptied man-made containers where mosquito larvae were found
- Educated homeowners about mosquito control and avoiding mosquito bites
- Trapped adult mosquitoes in fixed locations throughout town
- Processed and identified adult mosquitoes to species
- Sent adult mosquito species to the State Lab in Concord for disease testing

Trapping and testing of adult mosquitoes was expanded in July. Traps are set weekly in locations throughout your community. Trap catches are collected and sorted, mosquitoes are identified and select species are sent to the State Lab in Concord where they are tested for disease. The State Lab began testing for Eastern Equine Encephalitis (EEE) and West Nile Virus (WNV) this month. No WNV or EEE positive mosquitoes have been confirmed in NH as of the end of July. Mosquitoes from Kingston, Kensington, Fremont, New Castle and Keene have tested positive for Jamestown Canyon Virus (JCV). The weekly State Arboviral Surveillance bulletin and information about EEE, WNV and JCV can be found on the New Hampshire Department of Human Services website at <https://www.dhhs.nh.gov/>. The State Surveillance bulletin with test results is attached.



New Hampshire Arbovirus Surveillance Bulletin #5

**ROUTINE TEST RESULTS
MMWR Week 30 July 23, 2023 – July 29, 2023**

HUMANS		Number Tested	WNV Positive [¥]	EEEV Positive [¥]	JCV Positive [¥]	POW Positive [¥]
CURRENT YEAR	Week	0	0	0	0	0
	YTD	14	0	0	0	0
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	1	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 [‡]	295	0	0	2
	YTD	1365	0	0	11
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.

‡ This week, mosquitoes were submitted from Hillsborough, Rockingham and Strafford Counties for routine surveillance.

α Detections were part of an enhanced surveillance project.

TEST RESULT SUMMARIES 2023 YEAR TO DATE

MOSQUITO BATCHES

Town or City	Date Collected	Species	Virus Result
Keene	06/06/2023	<i>Ochlerotatus communis</i>	Jamestown Canyon Virus
Keene	06/15/2023	<i>Ochlerotatus excrucians/stimulans/fitchii</i>	Jamestown Canyon Virus
Keene	06/15/2023	<i>Ochlerotatus excrucians/stimulans/fitchii</i>	Jamestown Canyon Virus
Fremont	06/21/2023	<i>Ochlerotatus aurifer</i>	Jamestown Canyon Virus
Keene	06/22/2023	<i>Ochlerotatus canadensis</i>	Jamestown Canyon Virus
Kingston	07/06/2023	<i>Ochlerotatus aurifer</i>	Jamestown Canyon Virus
Kingston	07/06/2023	<i>Ochlerotatus provocans</i>	Jamestown Canyon Virus
Kingston	07/19/2023	<i>Anopheles punctipennis</i>	Jamestown Canyon Virus
Kensington	07/19/2023	<i>Anopheles punctipennis</i>	Jamestown Canyon Virus
New Castle	07/18/2023	<i>Aedes vexans</i>	Jamestown Canyon Virus
New Castle	07/18/2023	<i>Culex salinarius</i>	Jamestown Canyon Virus

ANIMALS

There have been no animal cases of EEEV or WNV identified in New Hampshire in 2023 to date.

HUMANS

There have been no human cases of EEEV, WNV or JCV identified in New Hampshire in 2023 to date.

Data notes:

1. Data provided are those for which final results are available. Data are current as of 08/02/2023.
2. Test results include only those specimens tested with results finalized during the week being reported on. Pending results from the previous week are not included.
3. Prior years' data is cumulative.
4. YTD = All specimens submitted beginning 01/01/2023 through the week being reported on.
5. WNV = West Nile virus. EEEV = Eastern Equine Encephalitis Virus. JCV = Jamestown Canyon Virus. POW = Powassan Virus

Use the following link to view the locations of positive test results and regional risk maps:

<https://www.dhhs.nh.gov/programs-services/disease-prevention/infectious-disease-control/mosquito-borne-illnesses>

For more information regarding these data, contact Marco Notarangelo, Vectorborne Disease Surveillance Coordinator, at (603) 271-0273 or marco.notarangelo@dhhs.nh.gov.

Town of Danville

Activity Report

July 2023

Date Activity

7-05 Set out light trap at Ye Old Cemetery - Main St
7-05 Set out light trap on Boulder Dr
7-05 Set out light trap at Danville Elementary School - Main St
7-05 Set out light trap on Highland Dr
7-05 Survey 242 Sandown Rd - swamp
7-05 Survey south side of Sandown Rd - down ATV trail under power lines - red maple swamp
7-05 Survey 141 Sandown Rd - swamp
7-05 Survey between 107 & 129 Sandown Rd - swamp
7-05 Survey between 40-48 Back Rd - roadside pools
7-05 Survey Back Rd, across from Wyman's Landing - woodland pools
7-05 Survey behind 22 Wyman's Landing to stonewall - woodland pools
7-05 Survey intersection of Brentwood Rd and Hub Hollow - blueberry swamp
7-05 Larvicide intersection of Brentwood Rd and Hub Hollow - blueberry swamp
7-05 Survey intersection of Sandown Rd & Twin Bridge Rd - swamp
7-05 Larvicide intersection of Sandown Rd & Twin Bridge Rd - swamp
7-05 Survey south side of Sandown Rd - down ATV trail under power lines - depressions
7-05 Larvicide south side of Sandown Rd - down ATV trail under power lines - depressions
7-05 Survey Back Rd, across from Spindle St & Brentwood Rd - woodland pools
7-05 Larvicide Back Rd, across from Spindle St & Brentwood Rd - woodland pools
7-05 Survey Back Rd - across from Brentwood Rd - vernal pools
7-05 Larvicide Back Rd - across from Brentwood Rd - vernal pools
7-06 Pick up light trap at Ye Old Cemetery - Main St
7-06 Pick up light trap on Boulder Dr
7-06 Pick up light trap at Danville Elementary School - Main St
7-06 Pick up light trap on Highland Dr
7-07 Adult mosquitoes identified and processed
7-10 Survey across from 131 & 133 Emerald Dr - swamp
7-10 Survey across from 7 Opal Dr - red maple swamp
7-10 Survey 41 Peabody Dr - woodland pools
7-10 Survey behind 119 Emerald Dr - swamp
7-10 Survey behind 114 Emerald Dr - swamp
7-10 Survey next to 15 Hersey Rd, across from Center Cemetery - woodland pools
7-10 Survey behind 15 Hersey Rd - swamp
7-10 Survey GH Carter Rd & end of Colby Pond Rec Facility - woodland pools
7-10 Survey corner of Caleb Dr & GH Carter Dr - small swamp & pools
7-10 Survey intersection of GH Carter Dr & Sanborn Rd - pools

Town of Danville

Activity Report

July 2023

Date	Activity
7-10	Survey across from 51 & 55 Sanborn Rd - small swamp
7-10	Survey behind & left of 14 Peabody Dr - swamp
7-10	Survey left of 31 Peabody Dr - drainage swale
7-10	Survey 58 Peabody Dr - woodland pool
7-10	Survey across from Ye Old Cemetery, Main St - woodland pools
7-10	Larvicide across from Ye Old Cemetery, Main St - woodland pools
7-10	Survey right of Ye Old Cemetery, Main St - woodland pools
7-10	Larvicide right of Ye Old Cemetery, Main St - woodland pools
7-10	Survey surrounding Ye Old Cemetery, Main St - woodland pools
7-10	Larvicide surrounding Ye Old Cemetery, Main St - woodland pools
7-10	Survey across from 10 Boulder Dr - large swamp
7-10	Larvicide across from 10 Boulder Dr - large swamp
7-10	Survey behind "Little Red School House", Main St - swamp & woodland pools
7-10	Larvicide behind "Little Red School House", Main St - swamp & woodland pools
7-10	Survey Colby Rd, between both intersections of Peabody Dr - swamp & woodland pool
7-10	Larvicide Colby Rd, between both intersections of Peabody Dr - swamp & woodland pool
7-10	Survey down ATV trail - 17 Jade Dr - woodland pools
7-10	Larvicide down ATV trail - 17 Jade Dr - woodland pools
7-10	Survey north side of Emerald Dr (across from ATV trail) - woodland pools
7-10	Larvicide north side of Emerald Dr (across from ATV trail) - woodland pools
7-12	Set out light trap at Ye Old Cemetery - Main St
7-12	Set out light trap on Boulder Dr
7-12	Set out light trap at Danville Elementary School - Main St
7-12	Set out light trap on Highland Dr
7-13	Adult mosquitoes sent to State Lab for disease testing
7-13	Pick up light trap at Ye Old Cemetery - Main St
7-13	Pick up light trap on Boulder Dr
7-13	Pick up light trap at Danville Elementary School - Main St
7-13	Pick up light trap on Highland Dr
7-14	Adult mosquitoes identified and processed
7-17	Survey surrounding Ye Old Cemetery, Main St - woodland pools
7-17	Survey intersection of 11 Hawke Ln & 47 Long Pond Rd - swamp
7-17	Survey between 46 & 58 Long Pond Rd - woodland pools
7-17	Survey behind 22 Wyman's Landing to stonewall - woodland pools
7-17	Survey right of Fawn Ln - fire pond and woodland pools
7-17	Survey front of Elementary School, Main St - swamp

Town of Danville

Activity Report

July 2023

Date Activity

7-17 Survey Ballpark Way, off Diamond Dr - swamp
7-17 Survey between 69 Lollipop Ln & 7 Pigeon Hill Rd - woodland pools
7-17 Survey behind 34 & 44 Caramel Dr - swamp
7-17 Survey between 215 Beach Plain Rd & Kingston town line - swamp
7-17 Survey between 40-48 Back Rd - roadside pools
7-17 Survey Back Rd, across from Spindle St & Brentwood Rd - woodland pools
7-17 Survey behind 48 Fairview Dr - cattail marsh
7-17 Survey right of Hummingbird Ln - small swamp
7-17 Survey front of & right of 38 Beechwood Dr - stream backwater
7-17 Survey across from 53 Caramel Dr - woodland pools
7-17 Survey right and behind 44 Sweet St - stream backwater
7-17 Survey behind & between 18 & 30 Sweet St - woodland pools
7-17 Survey intersection of Kingston Rd & Gerry Rd - swamp
7-17 Survey Back Rd - across from Brentwood Rd - vernal pools
7-17 Larvicide Back Rd - across from Brentwood Rd - vernal pools
7-17 Survey Back Rd, across from Wyman's Landing - woodland pools
7-17 Larvicide Back Rd, across from Wyman's Landing - woodland pools
7-17 Survey intersection of Brentwood Rd and Hub Hollow - blueberry swamp
7-17 Larvicide intersection of Brentwood Rd and Hub Hollow - blueberry swamp
7-17 Survey beginning of Fawn Ln - ditch
7-17 Larvicide beginning of Fawn Ln - ditch
7-17 Survey behind Elementary School, Main St - woodland pools
7-17 Larvicide behind Elementary School, Main St - woodland pools
7-17 Survey front of & left of 53 Lollipop Ln - woodland pools
7-17 Larvicide front of & left of 53 Lollipop Ln - woodland pools
7-17 Survey front of 55 Lollipop Ln & behind 69 Lollipop Ln - woodland pools
7-17 Larvicide front of 55 Lollipop Ln & behind 69 Lollipop Ln - woodland pools
7-17 Survey right of 45 Caramel Dr - woodland pools
7-17 Larvicide right of 45 Caramel Dr - woodland pools
7-19 Set out light trap at Ye Old Cemetery - Main St
7-19 Set out light trap on Boulder Dr
7-19 Set out light trap at Danville Elementary School - Main St
7-19 Set out light trap on Highland Dr
7-20 Pick up light trap at Ye Old Cemetery - Main St
7-20 Pick up light trap on Boulder Dr
7-20 Pick up light trap at Danville Elementary School - Main St

Town of Danville

Activity Report

July 2023

Date	Activity
7-20	Pick up light trap on Highland Dr
7-20	Adult mosquitoes sent to State Lab for disease testing
7-24	Survey across from 51 & 55 Sanborn Rd - small swamp
7-24	Survey behind 114 Emerald Dr - swamp
7-24	Survey across from 131 & 133 Emerald Dr - swamp
7-24	Survey next to 15 Hersey Rd, across from Center Cemetery - woodland pools
7-24	Survey behind 15 Hersey Rd - swamp
7-24	Survey intersection of GH Carter Dr & Sanborn Rd - pools
7-24	Survey behind & left of 17 Opal Dr - swamp
7-24	Larvicide behind & left of 17 Opal Dr - swamp
7-24	Survey behind 119 Emerald Dr - swamp
7-24	Larvicide behind 119 Emerald Dr - swamp
7-24	Survey north side of Emerald Dr (across from ATV trail) - woodland pools
7-24	Larvicide north side of Emerald Dr (across from ATV trail) - woodland pools
7-24	Survey down ATV trail - 17 Jade Dr - woodland pools
7-24	Larvicide down ATV trail - 17 Jade Dr - woodland pools
7-24	Survey GH Carter Rd & end of Colby Pond Rec Facility - woodland pools
7-24	Larvicide GH Carter Rd & end of Colby Pond Rec Facility - woodland pools
7-24	Survey corner of Caleb Dr & GH Carter Dr - small swamp & pools
7-24	Larvicide corner of Caleb Dr & GH Carter Dr - small swamp & pools
7-25	Adult mosquitoes identified and processed
7-26	Set out light trap at Ye Old Cemetery - Main St
7-26	Set out light trap on Boulder Dr
7-26	Set out light trap at Danville Elementary School - Main St
7-26	Set out light trap on Highland Dr
7-27	Pick up light trap at Ye Old Cemetery - Main St
7-27	Pick up light trap on Boulder Dr
7-27	Pick up light trap at Danville Elementary School - Main St
7-27	Pick up light trap on Highland Dr
7-27	Adult mosquitoes sent to State Lab for disease testing
7-31	Adult mosquitoes identified and processed

Town of Danville

Activity Report

July 2023

Date Activity

The State Lab began disease testing in July: no positive results in Danville as of 7-31-2023

Mosquitoes collected in Keene, Fremont, Kingston and Kensington have tested positive for Jamestown Canyon Virus

No mosquito samples have tested positive for EEE or West Nile Virus to date.