New Hampshire Arbovirus Surveillance Bulletin #15

TEST SUMMARIES
MMWR Week 42 October 13, 2019 – October 19, 2019

HUMANS		Number Tested	WNV Positive	EEE Positive	JCV Positive¥	POW Positive¥
CURRENT YEAR	Week	1	0	0	0	0
	YTD	31	0	0	2	1
Prior Years	2018	30	0	0	1€	0
	2017	31	1£	0	4	1
	2016	31	0	0	0	1
	2015	50	0	0	1	0
	2014	38	0	3	0	0

¥ Testing completed by the Centers for Disease Control and Prevention (CDC)
£ Testing performed by commercial laboratory
€ Infection likely acquired out of state.

ANIMALS		Number Tested	WNV Positive	EEE Positive
CURRENT YEAR	Week	1	0	0
	YTD	19	1	2
Prior Years	2018	13	4	0
	2017	7	0	0
	2016	10	0	0
	2015	6	1	0
	2014	11	0	3

MOSQUITO BATCHES*		Number Tested	WNV Positive	EEE Positive
CURRENT YEAR	Week ₸	90	0	0
	YTD	5610	1	16
Prior Years	2018	4945	32	6
	2017	4176	9	0
	2016	1773	1	0
	2015	3678	3	2
	2014	3964	1	18

* A mosquito batch is a collection of mosquitoes sorted by species, date of collection, and trap location.
₸ This week, mosquitoes were submitted from Cheshire, Hillsborough, Rockingham and Strafford counties.

NEW HAMPSHIRE ARBOVIRUS TEST RESULTS
2019 Arboviral Season

MOSQUITO BATCHES

Town or City	Date Collected	Species	Virus Result
Pelham	8/1/2019	*Culiseta melanura*	Eastern Equine Encephalitis
Pelham	8/1/2019	*Coquillettidia perturbans*	Eastern Equine Encephalitis
Pelham	8/1/2019	*Coquillettidia perturbans*	Eastern Equine Encephalitis
Manchester	8/7/2019	*Coquillettidia perturbans*	Eastern Equine Encephalitis
Manchester	8/7/2019	*Coquillettidia perturbans*	Eastern Equine Encephalitis
Manchester	8/21/2019	*Culex pipiens/restuans*	West Nile Virus
Candia	8/27/2019	*Culiseta melanura*	Eastern Equine Encephalitis
Sandown	8/27/2019	*Coquillettidia perturbans*	Eastern Equine Encephalitis
Hampstead	8/27/2019	*Coquillettidia perturbans*	Eastern Equine Encephalitis
Candia	9/3/2019	*Culiseta melanura*	Eastern Equine Encephalitis
Newton	9/5/2019	*Culiseta melanura*	Eastern Equine Encephalitis
Fremont	9/10/2019	*Culiseta melanura*	Eastern Equine Encephalitis
Manchester	9/16/2019	*Culiseta morsitans*	Eastern Equine Encephalitis
Portsmouth	10/1/2019	*Culiseta melanura*	Eastern Equine Encephalitis
Fremont	10/2/2019	*Culiseta melanura*	Eastern Equine Encephalitis
Fremont	10/2/2019	*Culiseta melanura*	Eastern Equine Encephalitis
Candia	10/8/2019	*Culiseta melanura*	Eastern Equine Encephalitis

ANIMALS

Town or City	Onset Date	Species	Virus Result
Northwood	8/24/2019	Horse	Eastern Equine Encephalitis
Litchfield	9/5/2019	Hawk	West Nile Virus
Francestown	10/11/2019	Horse	Eastern Equine Encephalitis

HUMANS

Town or City	Onset Date	Age Range	Virus Result
Kingston Ω	5/23/2019	Adult	Jamestown Canyon Virus
Kingston Ω	5/23/2019	Adult	Powassan Virus
Laconia	9/15/2019	Adult	Jamestown Canyon Virus

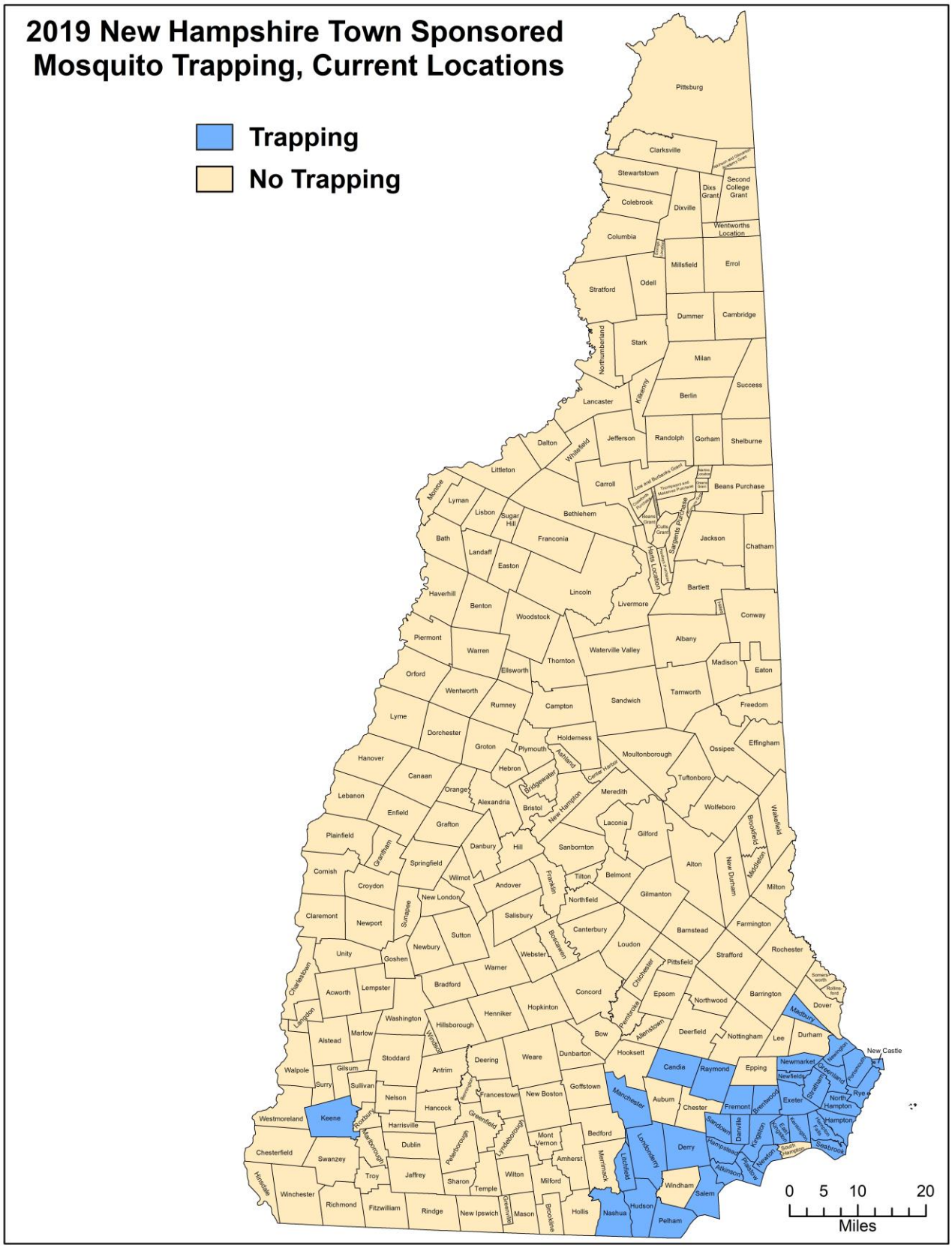
Ω This is a confirmed co-infection of POW and JCV in the same patient.

Data notes:

1. Data provided are those for which final results are available. Data are current as of 10/22/2019.
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 01/01/2019 through the week being reported on.
5. WNV = West Nile virus. EEE = Eastern Equine Encephalitis. JCV = Jamestown Canyon Virus. POW = Powassan Virus

Use the following link to view the locations of positive test results and regional risk maps:
http://www.dhhs.nh.gov/dphs/cdcs/arboviral/results.htm

For more information regarding these data, contact Abigail Mathewson, Surveillance Epidemiology Program Manager, at (603) 271-0274 or abigail.mathewson@dhhs.nh.gov.



This map indicates the cities and towns in New Hampshire from which any mosquitoes have been submitted to the New Hampshire Public Health Laboratories for testing since July 1, 2019 through the date of this report.