

Dragon Mosquito Control

2015 AUTUMN UPDATE

The dry summer had a negative impact on anything that needs water for survival including mosquitoes. During a drought, mosquito larvae have no habitat in which to develop and hatch. Containers such as catch basins, buckets, boats, kiddie pools and other manmade containers become the only source holding enough water to support mosquito larvae. Control efforts further impact the dwindling number of mosquitoes leaving only a few specimens to catch in our traps. Low numbers of mosquitoes means fewer samples being sent to the State Lab in Concord for disease testing. To date, three samples of mosquitoes have tested positive for West Nile Virus (WNV) in Manchester, Keene and East Kingston. A raven in Holderness has tested positive for WNV. One batch of mosquitoes caught in Newton on 9-17-15 and one batch in Candia have tested positive for Eastern Equine Encephalitis (EEE). In Massachusetts, there have been six human cases of WNV this year with two deaths. The State Lab in Concord, NH will continue testing humans and animals for arboviruses but testing of mosquitoes ends on October 1st as the mosquito population dwindles. The risk is not zero until there have been two hard freezes. I don't breathe a sigh of relief until there's snow is on the ground. Let's enjoy a wonderful fall before we start talking about snow!

Respectfully submitted,

Sarah MacGregor

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Town of Newton

Progress Report

September 2015

Date	Activity
9-02	Set out light trap at 25 Willow Dr
9-02	Set out light trap at 7 Packer Meadows
9-02	Set out light trap at 57 North Main St
9-02	Set out light trap at 102 North Main St
9-03	Picked up light trap at 25 Willow Dr
9-03	Picked up light trap at 7 Packer Meadows
9-03	Picked up light trap at 57 North Main St
9-03	Picked up light trap at 102 North Main St
9-03	Adult mosquitoes from light traps sent to State Lab for disease testing
9-04	Adult mosquitoes identified and processed
9-09	Set out light trap at 25 Willow Dr
9-09	Set out light trap at 7 Packer Meadows
9-09	Set out light trap at 57 North Main St
9-09	Set out light trap at 102 North Main St
9-10	Picked up light trap at 25 Willow Dr
9-10	Picked up light trap at 7 Packer Meadows
9-10	Picked up light trap at 57 North Main St
9-10	Picked up light trap at 102 North Main St
9-10	Adult mosquitoes from light traps sent to State Lab for disease testing
9-10	Survey right of 4 Howard St - red maple swamp
9-10	Survey intersection of So. Main St (Rte 108) and Pheasant Crossing - swale
9-10	Survey intersection of Peaslee Crossing Rd & So. Main St (Rte 108) - pools
9-10	Survey front of 3 Zoe Ln - retention pond & ditch
9-10	Survey behind 102 No. Main St (Rte 108) - cedar swamp
9-10	Survey left of 70 Smith Corner Rd - swamp & brook
9-10	Survey across from 30 Williamine Dr - swamp w/ pools
9-10	Survey between 18 & 20 Kenwood Dr - drainage ditch & pools
9-10	Survey left of 15 Brenner Dr - stream & retention pond
9-10	Survey left of Whispering Pine Campground, 8 Wenmarks Grove - swamp
9-10	Survey Country Pond Campground, 106 Pond St - pools
9-10	Survey between 11 & 13 Currierville Rd - woodland pools
9-10	Survey right of 1 Nordic Village - ditch & retention area
9-10	Survey across from 4 Howard St - ornamental pond
9-10	Survey across from 44 Smith Corner Rd - fire pond
9-10	Survey across from 30 Williamine Dr - fire pond
9-10	Survey beginning of Brimstone Cir - pond & pools
9-10	Survey front of 3 Fernwood Dr - pond & woodland pools

Town of Newton

Progress Report

September 2015

Date	Activity
9-10	Survey 9 Currierville Rd - woodland pools
9-10	Larvicide 9 Currierville Rd - woodland pools
9-10	Survey right of 30 Tanglewood Dr - small pond
9-10	Larvicide right of 30 Tanglewood Dr - small pond
9-10	Survey left of 60 Smith Corner Rd - woodland pools & swamp
9-10	Larvicide left of 60 Smith Corner Rd - woodland pools & swamp
9-11	Adult mosquitoes identified and processed
9-16	Set out light trap at 25 Willow Dr
9-16	Set out light trap at 7 Packer Meadows
9-16	Set out light trap at 57 North Main St
9-16	Set out light trap at 102 North Main St
9-17	Adult mosquitoes from light traps sent to State Lab for disease testing
9-17	Picked up light trap at 25 Willow Dr
9-17	Picked up light trap at 7 Packer Meadows
9-17	Picked up light trap at 57 North Main St
9-17	Picked up light trap at 102 North Main St
9-17	Survey left of 96 So. Main St (Rte 108) - woodland pools
9-17	Survey right of 111 So. Main St (Rte 108) - swamp & woodland pools
9-17	Survey intersection of Wentworth Dr & So. Main St (Rte 108) - swamp
9-17	Survey intersection of Peaslee Crossing Rd & So. Main St (Rte 108) - pools
9-17	Survey intersection of Peaslee Crossing Rd & So. Main St (Rte 108) - swamp
9-17	Survey intersection of So. Main St (Rte 108) and Pheasant Crossing - swale
9-17	Survey 163 So. Main St (Rte108) - duck pond
9-17	Survey right of 4 Howard St - red maple swamp
9-17	Survey intersection of Fernwood Dr & So. Main St (Rte 108) - woodland pools & swale
9-17	Survey front of 3 Fernwood Dr - pond & woodland pools
9-17	Survey right of 8 Fernwood Dr - small cattail pond
9-17	Survey behind Post Office, 77 So. Main St (Rte 108) - cattail swale
9-17	Survey behind 48 South Main St - swamp
9-17	Survey behind 36 So. Main St (Rte 108) - swamp
9-17	Survey CPM Stables, 34 So. Main St (Rte 108) - swale
9-17	Survey right of 4 Brookside Ln - woodland pool
9-17	Survey behind 2 Shirley Ave - woodland pool
9-17	Survey end of Fox Hill Ln - pond
9-17	Survey right of 11 Highland St - depression
9-17	Survey intersection of Chonger Dr & Whittier St - swamp & pools
9-17	Survey front of 64 Thornell Rd - pond & swamp

Town of Newton

Progress Report

September 2015

Date	Activity
9-17	Survey right of 39 Thornell Rd - pond & wet meadow
9-17	Survey right of 50 Peaslee Crossing Rd - swale
9-17	Survey across from 30 Williamine Dr - swamp w/ pools
9-17	Survey across from 30 Crane Crossing Rd - cattail pond
9-17	Survey 23 Quaker St - ornamental fish pond
9-17	Survey across from 30 Williamine Dr - fire pond
9-17	Survey across from 20 Chase Rd - ponds & tire pile
9-17	Survey 110 Pond St - swamp
9-17	Survey 9 Currierville Rd - woodland pools
9-17	Survey across from 4 Howard St - ornamental pond
9-17	Survey Fire Station, 35 So. Main St (Rte 108) - fire pond
9-17	Survey behind The Learning Center, 31 So. Main St (Rte 108) - swamp
9-17	Survey intersection of Merrimac Rd & So. Main St (Rte 108) - pond & drainage ditch
9-17	Larvicide intersection of Merrimac Rd & So. Main St (Rte 108) - pond & drainage ditch
9-17	Survey intersection of Wentworth Dr & So. Main St (Rte 108) - stream & pools
9-17	Larvicide intersection of Wentworth Dr & So. Main St (Rte 108) - stream & pools
9-18	Adult mosquitoes identified and processed
9-23	Set out light trap at 25 Willow Dr
9-23	Set out light trap at 7 Packer Meadows
9-23	Set out light trap at 57 North Main St
9-23	Set out light trap at 102 North Main St
9-24	Picked up light trap at 25 Willow Dr
9-24	Picked up light trap at 7 Packer Meadows
9-24	Picked up light trap at 57 North Main St
9-24	Picked up light trap at 102 North Main St
9-24	Adult mosquitoes from light traps sent to State Lab for disease testing
9-25	Adult mosquitoes identified and processed
9-28	Set out light trap at 25 Willow Dr
9-28	Set out light trap at 7 Packer Meadows
9-28	Set out light trap at 57 North Main St
9-28	Set out light trap at 102 North Main St
9-29	Picked up light trap at 25 Willow Dr
9-29	Picked up light trap at 7 Packer Meadows
9-29	Picked up light trap at 57 North Main St
9-29	Picked up light trap at 102 North Main St
9-29	Adult mosquitoes identified and processed
9-30	Adulticide 102 North Main St - by Backpack

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Date	Activity
9-30	Adulticide Heath St - Greenie Park - by Backpack
9-30	Adulticide Packer Meadows Dr - Packer Meadows - by Backpack
9-30	Adulticide Memorial School Rd - Memorial Elementary and Sr & Jr High School - by Backpack
9-30	Adulticide Merrimac St - Police Department - by Backpack
9-30	Adulticide Willow Dr - Willow Grove Trailer Park - by Backpack
10-01	Adult mosquitoes from light traps sent to State Lab for disease testing
10-01	Adulticide 8 Merrimac Rd - Police Station - by Backpack

Total mosquito samples processed & sent to State Lab for testing: 119

Total mosquitoes processed to date: 7068

The State Lab stopped testing mosquitoes on Oct 1st.

One mosquito sample collected in Newton on 9-17-15 has tested positive for EEE.

Mosquitoes collected in the Towns of Candia and Newton have tested positive for EEE.

Mosquitoes from East Kingston, Keene and Manchester have tested positive for West Nile Virus.

A Raven in Holderness has tested positive for West Nile Virus.