

**Massachusetts Department of Public Health  
Arbovirus Surveillance Program Report  
Report Date: July 30, 2012**

**Key Public Risk Communication Messages for This Week:**

1. The aerial application of pesticides in portions of Plymouth and Bristol counties does not change the need for people to take personal protective measures- including using repellent, reducing outdoor activities during the dusk and dawn periods, wearing clothing that covers the skin, and dumping standing water.
2. Initial results from the aerial spray indicate that there was a reduction in mosquito population of about 60% although this is variable by area and by mosquito species. However, EEE positive mosquitoes are still being found and new mosquitoes are continuing to emerge. Risk from EEE still exists.
3. WNV isolations from mosquitoes have been continuing. The previous hot weather with episodic rains has promoted development of WNV and Culex mosquito species.

<b>WNV and EEE Virus Surveillance Summary</b>	
Results contained in this report reflect data inclusive of MMWR Week 30 (Sunday, 7/22/12 – Saturday, 7/28/12)	
<b>Mosquito Surveillance</b>	
Number of Mosquito Pools Tested	2770
Number of WNV Positive Pools	46
Number of EEE Positive Pools	75
<b>Equine/Mammal Surveillance</b>	
Number of Mammal Specimens Tested	3
Number of WNV Positive Horses	0
Number of EEE Positive Horses	0
Number of other EEE Positive Mammals	0
<b>Human Surveillance</b>	
Number of Human Specimens Tested	57
Number of Human WNV Cases	0
Number of Human EEE Cases	0

<b>Summary of 2012 Mosquito Pool Submissions</b>											
	Berkshire County MCP	Bristol County MCP	Cape Cod MCP	Central MA MCP	East Middlesex MCP	Norfolk County MCP	Northeast MA MCP	Plymouth County MCP	Suffolk County MCP	State Lab Institute	Total
<b>Total</b>	84	142	128	360	72	248	301	329	141	965	2770

Figure 1: Current WNV Risk Categories as described in Table 1 of the 2012 MDPH Surveillance and Response Plan

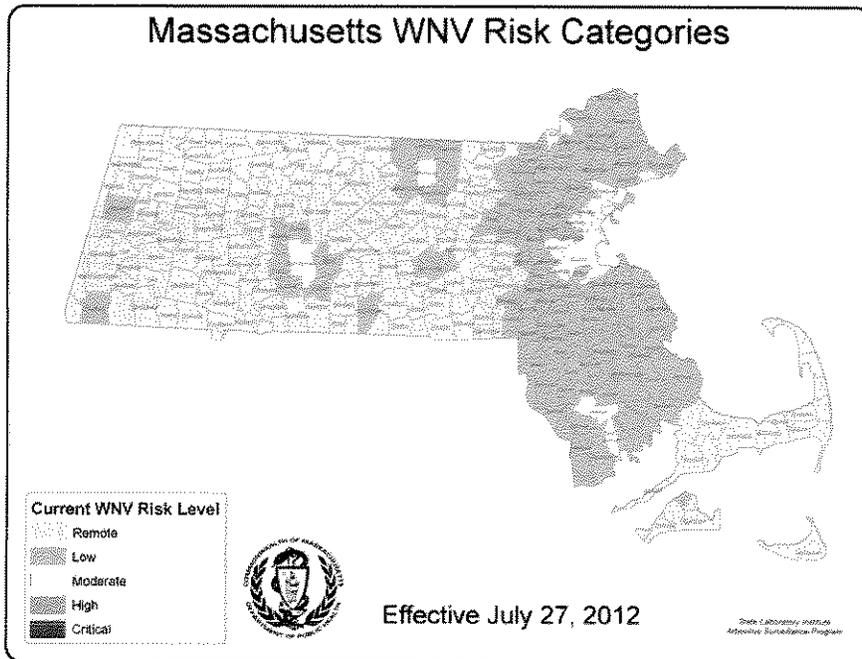


Figure 2: Current EEE Risk Categories as described in Table 2 of the 2012 MDPH Surveillance and Response Plan

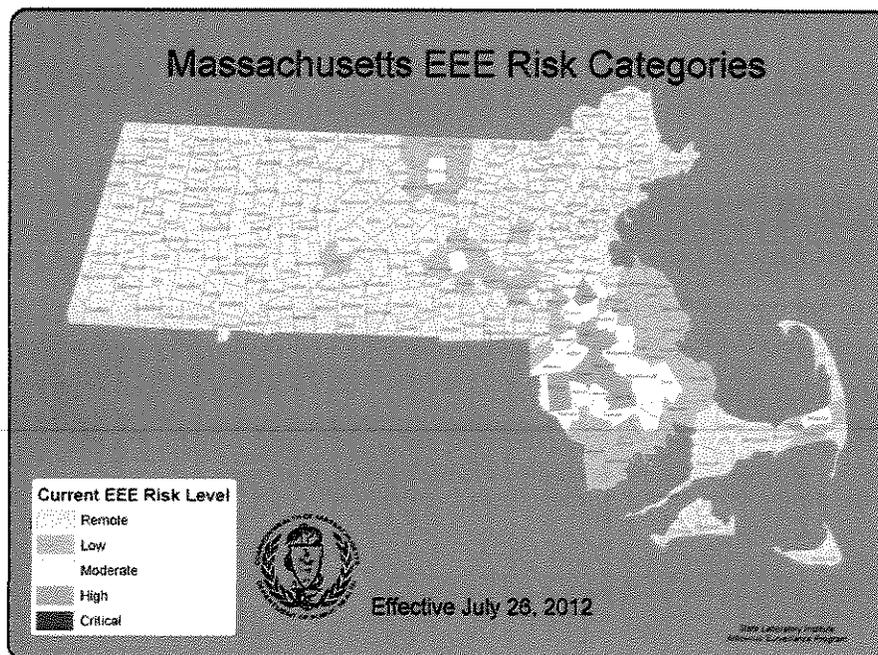
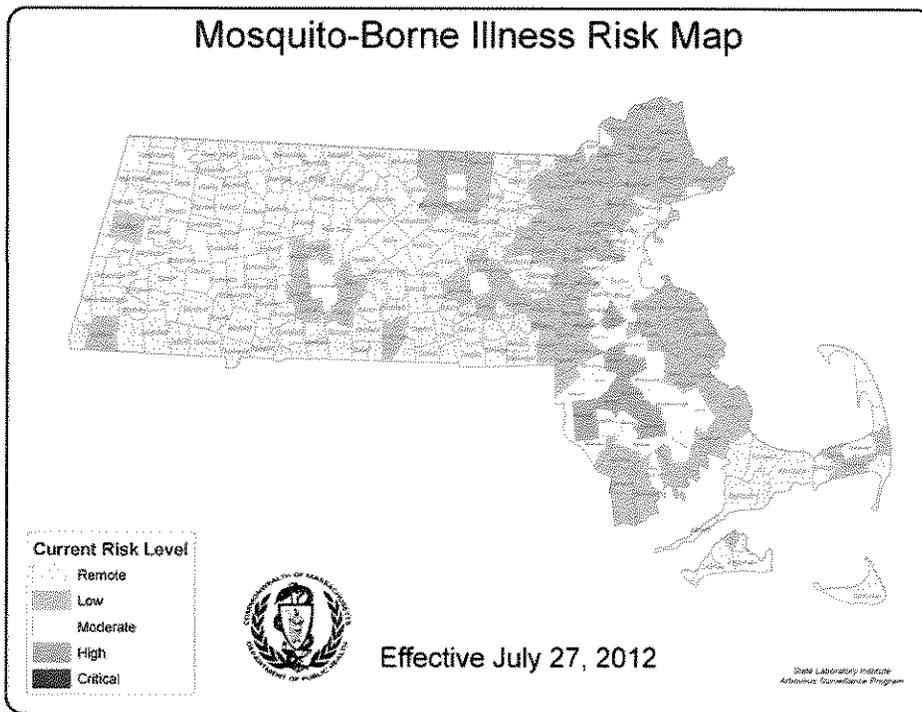


Figure 3: Mosquito-Borne Illness (WNV, EEE) Risk Map



**Useful Web Links:**

**MDPH Arbovirus Information:**

**MDPH Surveillance and Response Plan:**

**Massachusetts Department of Public Health:**

**Centers for Disease Control WNV Website:**

**[MDPH Arbovirus Information Risk Maps](#)**

**[2012 MDPH Arbovirus Surveillance Plan](#)**

**[MDPH Arbovirus Website](#)**

**[CDC West Nile Virus Homepage](#)**

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