

THE COMMONWEALTH OF MASSACHUSETTS  
STATE RECLAMATION & MOSQUITO CONTROL BOARD

# CENTRAL MASSACHUSETTS MOSQUITO CONTROL PROJECT

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[www.cmmcp.org](http://www.cmmcp.org)



## ANNUAL REPORT 2006

## PREFACE

The 2006 Annual Report of the Central Massachusetts Mosquito Control Project (the Project) has been prepared to provide the citizens and officials of the member cities and towns with information pertaining to the Project's control procedures and related activities.

As you read through this report you will notice that the Project is committed to an Integrated Mosquito Management (IMM) program. IMM utilizes a variety of control techniques and evaluation procedures. All control efforts are undertaken only after surveillance data has been collected and analyzed. This allows control decisions to be made based on the exact need that exists at each specific site. Environmental considerations are paramount when prescribing various control techniques.

The CMMCP Board of Commission is appointed by the State Reclamation and Mosquito Control Board to represent your community's interest. The Commissioners meet with the Executive Director and Director of Operations on a regular basis to discuss and formulate policies, and to provide their expertise in the operation of the Project. The Commissioners welcome your input, and we encourage you to schedule an appointment to visit our Project headquarters.

Copies of this report are distributed to key officials and departments in our member communities, as well as to the public libraries. We would encourage officials to take time from their busy schedule to read this report. Project personnel are available to answer questions you may have, and to meet with you to discuss out procedures and techniques. The Project's website at [www.cmmcp.org](http://www.cmmcp.org) has extensive information on mosquito control in Central Massachusetts.

The Project's goal is to provide effective and environmentally sound mosquito control, reducing mosquito annoyance and the potential for the transmission of mosquito-borne diseases. Our staff of competent, well-trained employees are known throughout the member communities as individuals who take great pride in their work.

Thank you,

Richard J. Day, Chair  
Board of Commissioners  
Central Massachusetts Mosquito Control Project

**THE COMMONWEALTH OF MASSACHUSETTS**

State Reclamation & Mosquito Control Board  
251 Causeway Street Suite 500  
Boston, Massachusetts 02114

<http://www.mass.gov/agr/mosquito/>

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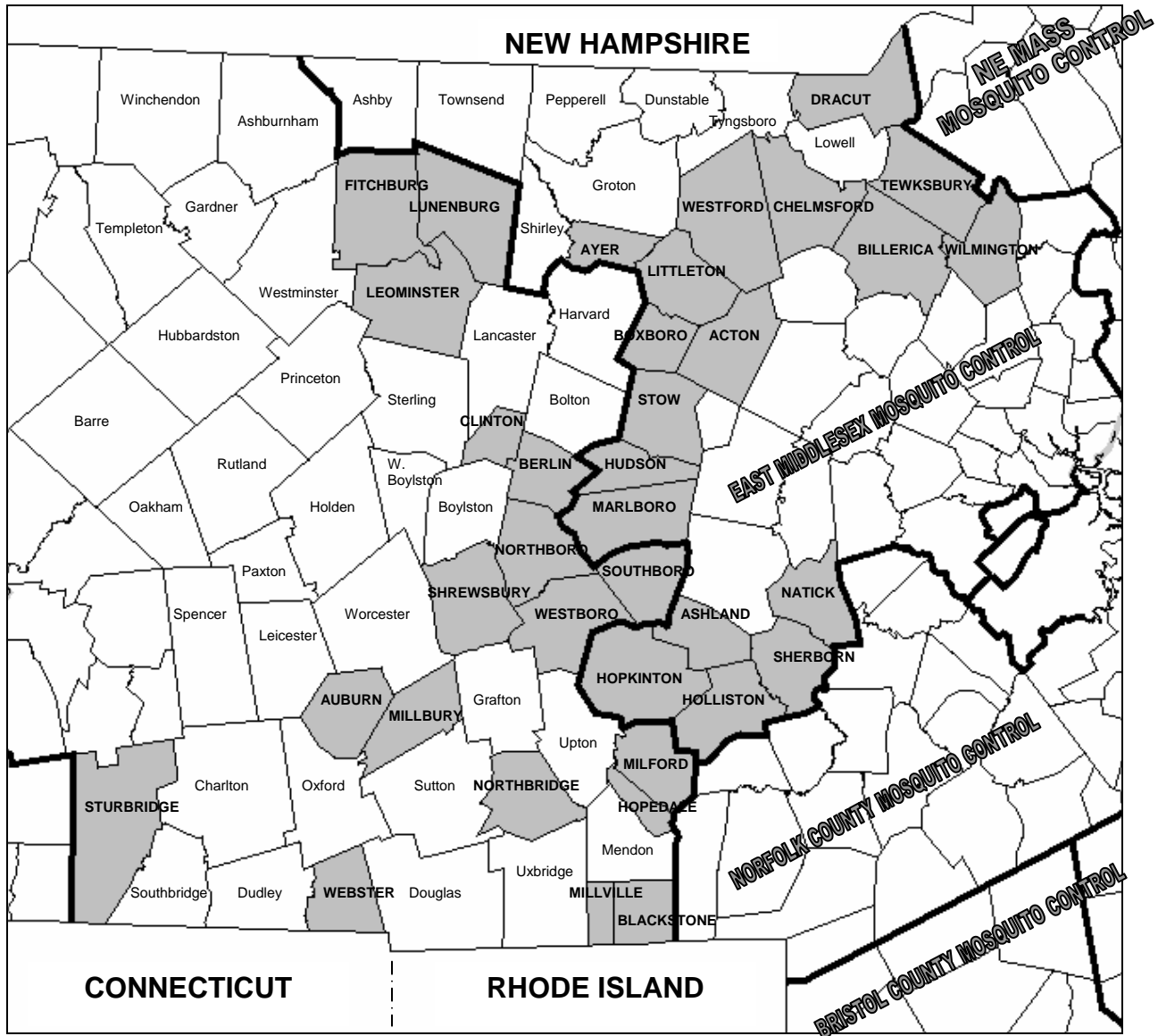
**Office Manager**

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LIST OF MEMBER COMMUNITIES - 2006

<u>TOWN</u>	<u>SQUARE MILES</u>
<b>DISTRICT ONE</b>	
BILLERICA	25.96
CHELMSFORD	22.70
DRACUT	20.90
LITTLETON	16.60
TEWKSBURY	20.70
WESTFORD	30.60
WILMINGTON	17.12
<b>DISTRICT TWO</b>	
ACTON	20.00
AYER	9.00
BOXBOROUGH	10.40
FITCHBURG	27.80
LEOMINSTER	28.90
LUNENBURG	26.40
STOW	17.60
<b>DISTRICT THREE</b>	
BERLIN	12.90
CLINTON	5.70
HUDSON	11.50
MARLBOROUGH	21.10
NORTHBOROUGH	18.50
SHREWSBURY	20.70
SOUTHBOROUGH	14.10
<b>DISTRICT FOUR</b>	
ASHLAND	12.40
HOLLISTON	18.70
HOPEDALE	5.27
HOPKINTON	26.60
MILFORD	14.60
NATICK	15.10
SHERBORN	16.00
WESTBOROUGH	20.50
<b>DISTRICT FIVE</b>	
AUBURN	15.40
BLACKSTONE	10.90
MILLBURY	15.70
MILLVILLE	4.92
NORTHBRIDGE	17.20
STURBRIDGE	37.40
WEBSTER	12.50
Total Square Miles	642.37

# CMMCP SERVICE AREA



≈ 2006 ≈

 = member towns



## MOSQUITO CONTROL ACTIVITIES

One basic fact of the mosquito's biology is the dependence on still, stagnant water to complete its life cycle from egg to adult. Currently, there are two basic control methods practiced by the Project to disrupt this process. The first and most permanent method is called "*water management, source reduction or wetlands restoration*". This method reduces or eliminates the source of a potential mosquito problem, and consists of cleaning road-side ditches and culverts, removal of brush and accumulated debris from streams, and removal of containers which contain water. All of the above mentioned methods serve to accomplish the same goal - they permit water to flow freely, and reduce the likelihood for stagnant areas, areas in which the mosquito needs to reproduce. Source reduction is practiced year-round, and is done only after extensive examinations, and permission is received by the property owner(s).

There are places where water management is neither practical nor feasible for one reason or another. In these situations, we practice a method called *larviciding*. After a field technician has determined that larval mosquitoes are present, a small amount of environmentally sensitive product is applied to the area according to label directions. This is often a very effective control method, reducing the emergence of the adult mosquito from that area. Larviciding is practiced from late-March to September. Bti is the product of choice for larviciding in wetlands.

A third method is to attempt to control the adult mosquito. The control of adult mosquitoes is done on a *request-only* basis, and the presence of adult mosquitoes is confirmed before any application is done. Adulticiding can be an effective method of *temporary* control, which can be beneficial prior to public gatherings, outdoor events and festivals, or when mosquito populations have been determined to be intolerable. Since this part of the program is done **only upon request**, this allows the individual resident to have the ultimate discretion on mosquito spraying in their area - how much or how little. Exemptions for spraying are handled through the City/Town Clerk and the Project office, and are updated each year. Adulticiding is done from approximately Memorial Day to Labor Day, depending on prevalent mosquito populations and the mosquito-borne disease situation.

All products used by the Project have been extensively tested by manufacturers, the US government and mosquito control agencies for many years. They are registered by the EPA and the Mass. Pesticide Bureau. Labels and fact sheets are available upon request to the public from the Project's office, or from our website.

We operate a full surveillance program in our service area. The landing rates performed by our field staff are brought back to the Project lab to be keyed out to species, allowing us to tailor our larviciding program and reduce future dependence on adulticides. We have a mobile team of specialized mosquito traps, called *gravid traps*, designed to capture virus-bearing mosquitoes. These mosquito collections, called *pools*, are sent into the Mass. Dept. of Public Health (MDPH) laboratory in Jamaica Plain for testing of West Nile Virus, Eastern Equine Encephalitis, and other arboviruses of concern by MDPH. These traps are used in a rotation throughout our service area, and are then concentrated in areas showing arboviral activity to supplement MDPH's collection protocols. Additional trap types are utilized in suspect areas to monitor and evaluate the risk of viral transmission to the local populace.

A comprehensive educational program is offered to area schools and civic groups. The program is aimed towards mosquito biology, mosquito habitat, and efforts citizens can undertake to reduce the potential for mosquito populations in their own neighborhood. This program is tailored to suit the requirements of the individual group, from elementary school children, to high school, to adult groups.

## PROGRAM EVALUATION

This is a part of the program which many people involved directly never see. It must begin with a carefully planned program, one designed so that the data obtained during surveys before treatment and the surveys taken after treatment can be analyzed by statistically sound methods. Only by doing this can the value of a mosquito control program be determined. We will then know what type (species) of mosquito we are dealing with; what the population density is; what method(s) of control provide the most economical and efficient results.

Then and only then can we say that we have or have not affected mosquito control on a level that is acceptable to the community.

#### SEASONAL OUTLINE OF MOSQUITO CONTROL PROGRAM

1. Vehicle and equipment repair and storage - November through March
2. Wetlands Restoration - throughout the year
3. Program Preparation - December through March
4. Map compilation and training - throughout the year
5. Larviciding - May through September
6. Adulticiding - June through September
7. Catch Basin Treatment - May through September

Any mosquito control being done by individual member communities must, by law, be coordinated through the Central Massachusetts Mosquito Control Project.

## SERVICES AND ACTIVITIES

The following services and activities are available to those communities participating in the Central Massachusetts Mosquito Control Project:

### **ADMINISTRATIVE**

1. Assess the need for mosquito control within each of the member communities.
2. Plan and organize a mosquito control program for each member community based on the specific needs of that community.
3. Assist member communities to implement mosquito control programs so as to enable the residents of that community to receive maximum benefits from organized mosquito control.
4. Administer new and coordinate existing mosquito control programs.
5. Collect and maintain accurate records of mosquito populations, ascertain prevalent species, and collate pertinent data for each member community.
6. Cooperate with federal, state and local agencies concerned with vector control programs which may be implemented in the community.
7. Prepare annual reports of Project activities, mosquito population density profiles, recommendations, and any other data requested by the member communities.
8. Provide supervision to staff members and encourage policies which lend themselves to effective and efficient mosquito control.

### **PUBLIC EDUCATION**

1. Inform the general public, as well as professional groups, of the mosquito control activities intended for each member community through news releases, speakers for community and professional organizations, special educational and training programs (including seminars for environmental interest groups), integration of proposed vector control programs with other organizations, agencies and institutions with similar goals.
2. Offer educational programs to the public school system within the member cities and towns. Programs will be aimed toward mosquito biology, mosquito habitat, and efforts which citizens can undertake to reduce mosquito populations in their neighborhoods.
3. Keep the member communities informed of changes and advancements in mosquito control technology and legislation.

MEDICAL ENTOMOLOGY LABORATORY REPORT, 2006

The mission of the Medical Entomology Laboratory is to refine and maximize the CMMCP's ongoing effort to control mosquitoes. During 2006 Medical Entomology Laboratory personnel carried forward this mission in the following ways:

- Medical Entomology Laboratory personnel made educational presentations about mosquito biology and mosquito control practices before elementary school students.
- The CMMCP's adulticiding practices were evaluated for efficacy.
- The Medical Entomology Laboratory's physical capabilities were improved during 2006 by the acquisition of ten New Standard Miniature Light Traps with Photocell-Controlled CO<sub>2</sub> Release.

A New Standard Miniature Incandescent Light Trap uses a small incandescent light bulb to attract mosquitoes. Cleaner collections may be made by not using the light bulb and adding CO<sub>2</sub> gas released from a cylinder. Mosquitoes are attracted by the CO<sub>2</sub> to the trap. The addition of CO<sub>2</sub> gas also results in larger collections of mosquitoes. The trap has a small precision pneumatic valve which is controlled by an internal photo switch that turns on and off the release of CO<sub>2</sub> with the light level. Therefore the release of gas is taking place when mosquitoes are most likely to be active in the area being monitored.

During 2006 three interns were employed for part of the season to operate the mosquito surveillance traps. CMMCP staff also participated in the operation of surveillance traps. Using their knowledge of mosquito behavior and the local terrain, these skilled and experienced personnel monitored the adult mosquito population. New Standard Miniature Light Traps with Photocell-Controlled CO<sub>2</sub> Release were used to monitor the adult mosquito population for Eastern Equine Encephalitis. Modified Reiter Gravid Traps were used to monitor the adult mosquito population for West Nile virus. Modified Reiter Gravid Traps are attractive to the mosquito species thought most likely to have a role in the maintenance and spread of West Nile virus in the United States of America.

CMMCP personnel made 1,528 collections of mosquitoes this season. The collections contained 39,506 adult mosquitoes. Adult mosquitoes of species known to play a role in the transmission of disease were tested for the presence of West Nile virus and Eastern Equine Encephalitis virus. Two collections tested positive for West Nile virus. One collection tested positive for Eastern Equine Encephalitis virus. The surveillance indicates that these pathogens were circulating in the local environment during 2006. Mosquito control efforts were augmented in the areas where these infected mosquitoes were collected. Further surveillance did not provide any additional positive findings. The data from these collections was shared with the Massachusetts Department of Public Health. A mosquito surveillance report was uploaded each week during the collection season on the CMMCP website at this link: [www.cmmcp.org/06summary.htm](http://www.cmmcp.org/06summary.htm). These reports listed mosquito collections and virus results for each week. Graphs showing mosquito population trends compared to historical data were also included, as well as detailed summaries by town of mosquito collections submitted to MDPH.

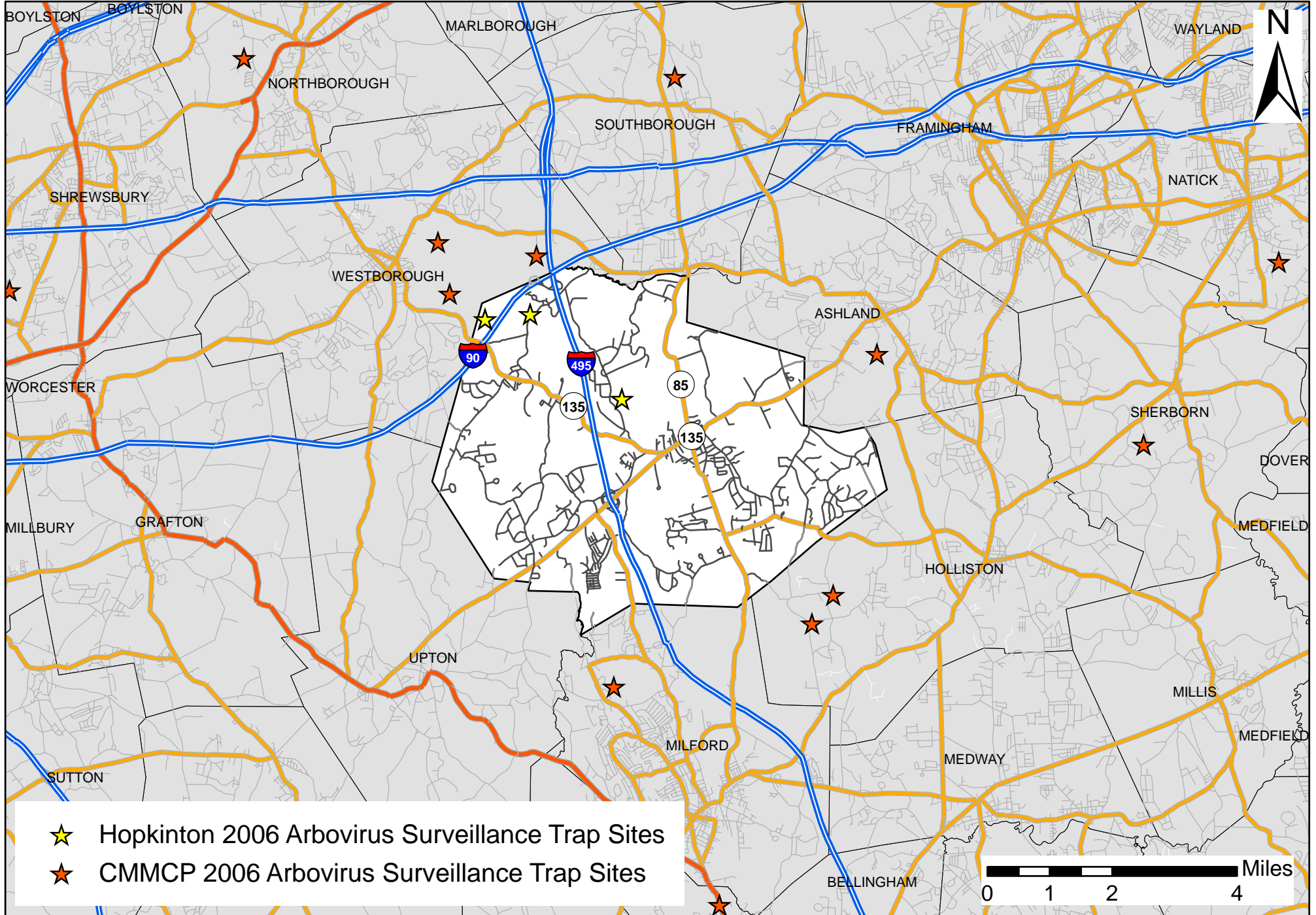
Town	Tested Date	Pool ID	Species	Result	Virus Type
Westborough	9/6/2006	CM06-00835	<i>Culex pipiens/restuans</i>	Positive	WNV positive
Westborough	9/27/2006	CM06-01064	<i>Culiseta melanura</i>	Positive	WNV positive
Leominster	10/4/2006	CM06-01186	<i>Culiseta morsitans</i>	Positive	EEE positive

The Medical Entomology Laboratory is committed to the advancement of mosquito control practices by the application of the scientific method. Such a commitment will further enable the Central Massachusetts Mosquito Control Project to provide its member communities with quality mosquito control for comfort and health.

WNV Surveillance Summary - <u>Statewide</u>	2006
Dead Birds Reported	4,261
Birds Submitted for Testing	320
Birds Tested	313
Birds Positive	57
Mosquito Pools Positive	43
Horses Positive	0
Humans Positive	3

<b>EEE</b> Surveillance Summary - <u>Statewide</u>	<b>2006</b>
Mosquito Pools Positive	157
Horses Positive	6
Humans Positive	5
** A llama from Scituate in Plymouth County (onset 9/7/06) and a harbor seal from Fall River in Bristol County (onset 9/21/06) also tested positive for EEE virus in 2006.	
<b>CMMCP</b> Surveillance Summary	<b>2006</b>
Mosquito Pools Submitted for testing	1,276
Mosquito Pools (total)	3,594
Mosquito Pools Positive WNV	2 (both Westboro)
Horses Positive	0
Humans Positive	2 (Billerica & Webster)
Pools Positive EEE	1 (Leominster)
Horses Positive	0
Humans Positive	0

# Town of Hopkinton Arbovirus Surveillance Program



TOWN OF HOPKINTON

<u>DATE</u>	<u>WORK DONE</u>	<u>LOCATION</u>
01-30-06	Stream Cleaning 10'	Clinton Street
	Stream Cleaning 50'	East Street
	Stream Cleaning 150'	East Street
	Stream Cleaning 20'	North Mill Street
	Stream Cleaning 50'	North Mill Street
	Stream Cleaning 80'	Wilson Street
	Stream Cleaning 10'	Wilson Street
	Stream Cleaning 30'	Wilson Street
	Stream Cleaning 80'	Rafferty Road
	Stream Cleaning 10'	Saddle Hill Road
	Stream Cleaning 20'	Fruit Street
	Stream Cleaning 10'	Fruit Street
	Stream Cleaning 10'	Fruit Street
	Culvert Cleaning (18)	Clinton Street, East Street, North Mill Street, Wilson Street, Rafferty Road, Proctor Street, Saddle Hill Road, Fruit Street
02-15-06	Administrative Contact	Board Of Assessors
	Public Relations	Stone Crossing Way
	Stream Survey	Alprilla Farm Road & Front Street
	Stream Survey	Ash Street & Stone Crossing Way
02-27-06	Stream Cleaning 25'	Hill Street
	Culvert Cleaning (27)	Saddle Hill Road, Proctor Street, Winter Street, Pond Street, Spring Street, Snowy Owl Road
03-09-06	Administrative Contact	Town Clerk, Board Of Selectmen, Finance Committee, Board Of Health, Library, Conservation Commission, Department Of Public Works
03-10-06	Stream Survey	Ash Street, Carriage Hill Road, Hearthstone Way, Eastview Road, Alprilla Farm Road, Front Street
03-14-06	Stream Cleaning 40'	Fruit Street
	Stream Cleaning 110'	Fruit Street
	Stream Cleaning 30'	Fruit Street
	Stream Cleaning 70'	Fruit Street
	Stream Cleaning 10'	Fruit Street
	Stream Cleaning 20'	Huckleberry Road
	Stream Cleaning 20'	Huckleberry Road
	Stream Cleaning 10'	Roosevelt Lane
	Stream Cleaning 100'	Fruit Street
	Stream Cleaning 75'	North Street
	Culvert Cleaning (32)	Fruit Street, Huckleberry Road, Roosevelt Lane, North Street, Washington Lane, Saddle Hill Road
04-04-06	Administrative Contact	Board Of Health
04-10-06	Public Relation	Falcon Ridge Road, Spring Street
	Larval Survey	Falcon Ridge Road, Elizabeth Road, Winter Street, Rocky Woods Road, Spring Street, Norcross Road, Hill Street, Emma Drive, Hill Street, Spring Street, Winter Street
04-18-06	Larviciding	Overlook Drive, Huckleberry Road, Cub's Path, Bull Moose Road, Fruit Street, North Street, Washington Lane, Baldwin Drive, North Street, Wood Street, West Main Street, Brook Hollow Lane, East Street, Alprilla Farm Road
	Larviciding	Overlook Drive, Huckleberry Road, Bull Moose Road, North Street, Honeysuckle Circle, Wood Street, North Mill Street
04-25-06	Administrative Contact	Board Of Health, Selectmen's Office
	Public Relations	North Street, Longwood Drive, Hearthstone Road, Carriage Hill Road, Fruit Street, North Mill Street, North Street, Longwood Drive, Hearthstone Road, North Mill Street, Front Street, Carriage Hill Road, Lumber Street
	Larval Survey	Lumber Street
	Larviciding	Lumber Street
05-02-06	Administrative Contact	Board Of Health
05-03-06	Public Relations	Longwood Road, Emma Drive, Spring Street, Cedar Street Ext., Hearthstone Road, South Mill Street
	Stream Cleaning 20'	Fruit Street
	Stream Cleaning 10'	Fruit Street
	Stream Cleaning 50'	Fruit Street
	Stream Cleaning 40'	Fruit Street
	Stream Cleaning 30'	Fruit Street

TOWN OF HOPKINTON

<u>DATE</u>	<u>WORK DONE</u>	<u>LOCATION</u>
05-03-06	Culvert Cleaning (18) Larval Survey	Fruit Street, Huckleberry Road, Saddle Hill Road, Daniel Shays Road, Proctor Street Longwood Road, Emma Drive, Spring Street, South Mill Street
	Larviciding	Cedar Street Ext., Hearthstone Road
05-04-06	Larval Survey	Spring Street
05-08-06	Set-Up Trap	Saddle Hill Road
05-09-06	Public Relations	West Elm Street, Saddle Hill Road, Washington Lane, Honeysuckle Circle, Baldwin Lane, Oakhurst Road, Spring Street
	Culvert Cleaning (24) Larval Survey	Spring Street, Hill Street, Lyford Road, Pond Street Washington Lane, Honeysuckle Circle, Baldwin Lane, Oakhurst Road
	Larviciding	West Elm Street, Saddle Hill Road, Honeysuckle Circle
05-22-06	Trap Survey	Saddle Hill Road, Fruit Street
05-24-06	Administrative Contact	Board Of Health
	Public Relations	Cranberry Road, Mill Street, Wood Street
	Larval Survey	Rocky Woods Road, Spring Street, Emma Drive, Norcross Road, Hill Street, Spring Street, Falcon Ridge Road, Snowy Owl Road
	Larviciding	Cranberry Lane, Rocky Woods Road, Spring Street, Hill Street
05-31-06	Administrative Contact	Police Department
	Public Relations	Washington Lane, Baldwin Lane, Huckleberry Road, Saddle Hill Road, Greenwood Road, Everett Circle, Overlook Road, Lincoln Street, Prestwick Road, Hearthstone Road, Cranberry Lane, South Mill Street, Meserve Street, Wood Street, Emma Drive, Ralph Road, Spring Street, Falcon Ridge Road, School Street, West Elm Street, Lake Shore Road
	Adulticiding	Wood Street, Falcon Ridge, Baldwin Lane, Washington Lane, Huckleberry Road, Saddle Hill Road, Greenwood Road, Everett Circle, Overlook Road, Lincoln Street, Prestwick Road, Hearthstone Road, Cranberry Lane, South Mill Street, Main Street, Meserve Street, West Elm Street, School Street, Emma Drive, Ralph Road, Wood Street
06-01-06	Set Trap	Saddle Hill Road
06-02-06	Pick Up Trap	Saddle Hill Road
06-06-06	Administrative Contact	Police Department
	Public Relations	North Street, Rocky Woods Road, Woods Street, Palamino Drive, Green Wood Road, Everett Circle, Bridgeton Way, Saddle Hill Road, Bullmoose Run, East View Road, Hazel Road, Hearth Stone Road, Stone Crossing Way, Thayer Heights, East Street, Chestnut Street, Chamberlain Street, Hayden Rowe, Lumber Street
	Landing Count	Bullmoose Run, Wood Street, Hearth Stone Road, North Street
	Adulticiding	North Street, Rocky Woods Road, Wood Street, Palamino Drive, Greenwood Road, Everett Circle, Bridgeton Way, Saddle Hill Road, Bull Moose Run, Hazel Road, East View Road, Hearth Stone Road, Stone Crossing Way, Thayer Heights Road, East Street, Chestnut Street, Chamberlain Street, Hayden Rowe, Lumber Street
	Larval Survey	Bull Moose Run
06-08-06	Set Trap	Saddle Hill Road
06-09-06	Pick Up Trap	Saddle Hill Road
06-13-06	Administrative Contact	Police Department
	Public Relations	Daniel Shay Road, Wood Street, Spring Street, Heidi Circle, Sylvan Way, Winter Street, John Matthews Road, West Elm Street, Lyn Path, Valley Wood Road, Erika Drive, Hill Crest Road, Duffield Road, Yale Road, McBride Road, Whirly Circle, Connelly Hill Road, South Mill Street, Thayer Heights, Stone Crossing Way, Kruger Road, Brook Hollow Lane, Indian Brook Condominiums, West Elm Street, Daniel Shay Road
	Landing Count	

TOWN OF HOPKINTON

<u>DATE</u>	<u>WORK DONE</u>	<u>LOCATION</u>
06-13-06	Adulticiding	Stone Crossing Way, Daniel Shays Road, Spring Street, Sylvan Way, Winter Street, John Matthews Road, West Elm Street, Lyn Path, Erika Drive, Valley Wood Road, Yale Road, Duffield Road, Hillcrest Drive, Whirty Circle, Connelly Hill Road, South Mill Street, Thayer Heights Road, Ash Street, Stone Crossing Way, Brook Hollow Road, Kruger Road, Hayden Row, McBride Drive, Indian Brook Condominiums
06-14-06	Set Trap	Fruit Street
06-15-06	Set Trap	Saddle Hill Road
06-16-06	Pick Up Trap	Saddle Hill Road
	Pick Up Trap	Woods Street
06-20-06	Administrative Contact	Police Department
	Public Relations	Huckleberry Road, Roosevelt Lane, Bull Moose Run, Rocky Woods Road, Honeysuckle Circle, Wood Street, Pine Island Road, Peppercorn Road, Erica Drive, Valleywood Road, Highland Street, Tiffany Trail, Baldwin Lane, Ridge Road, Saddle Hill Road, Greenwood Road, Overlook Road, Cedar Street Ext., Meserve Street, Hazel Road, Eastview Road, Kerry Lane, Chamberlain Street, Nicholas Road, College Street, Alexander Road, Valentine Road, Valentine Circle, Thayer Heights Road, Stone Crossing Way, Ash Street, South Mill Street, Emerson Way, Clinton Street, Greenwood Road, Ash Street, Front Street, Clinton Street, Partridge Road
	Landing Count	Roosevelt Road, Peppercorn Road, Clinton Street, South Mill Street, Ridge Road
	Adulticiding	Huckleberry Road, Roosevelt Lane, Bull Moose Run, Baldwin Lane, Honeysuckle Circle, Rocky Woods Road, Wood Street, Pine Island Road, Peppercorn Road, Erika Drive, Tiffany Trail, Valleywood Road, Highland Street, Clinton Street, Emerson Way, South Mill Street, Ash Street, Front Street, Stone Crossing Way, Thayer Heights Road, Valentine Road, Valentine Circle, College Street, Nicholas Road, Hazel Road, Alexander Road, Chamberlain Street, Kerry Lane, Meserve Street, Cedar Street Ext., Overlook Road, Ridge Road, Saddle Hill Road, Greenwood Road
06-21-06	Set Trap	Fruit Street
06-22-06	Pick Up Trap	Fruit Street
	Set Trap	Woods Street
06-22-06	Administrative Contract	Police Station
	Public Relations	Front Street, Main Street
	Landing Court	Front Street, Main Street
	Adulticiding	Front Street, Main Street
	Set Trap	Saddle Hill Road
06-23-06	Pick Up Trap	Saddle Hill Road
06-27-06	Administrative Contact	Police Department
	Public Relations	Victory Lane, Spring Street, Falcon Ridge Road, Heidi Circle, Pond Street, John Matthews Road, Andrea Drive, David Joseph Lane, Elizabeth Road, Stonegate Road, West Elm Street, Priscilla Road, Erika Road, Valley Wood Road, Old Town Road, West Main Street, Whirty Circle, Teresa Road, Chamberlain Road
	Landing Count	West Main Street, Victory Lane
	Adulticiding	Victory Lane, Spring Street, Falcon Ridge, Heidi Circle, Pond Street, Elizabeth Road, John Matthews Road, Andrea Drive, David Joseph Lane, Stonegate Road, West Elm Street, Priscilla Road, Erika Drive, Valleywood Road, Old Town Road, West Main Street, Whirty Circle, Teresa Road, Chamberlain Street, Angelo Circle, Pine Crest Village Condos, Indian Brooke Condos.
	Larval Survey	Pond Street
06-28-06	Set Trap	Fruit Street
06-29-06	Pick Up Trap	Fruit Street
06-19-06	Set Trap	Woods Street
06-29-06	Set Trap	Saddle Hill Road
	Administrative Contact	Police Department
	Public Relations	Greenwood Road, Ash Street

TOWN OF HOPKINTON

<u>DATE</u>	<u>WORK DONE</u>	<u>LOCATION</u>
06-29-06	Adulticiding	Greenwood Road, Ash Street
06-30-06	Pick Up Trap	Saddle Hill Road
07-05-06	Set Trap	Woods Street
	Administrative Contact	Police Department
	Public Relations	Huckleberry Road, Rough Rider, Fruit Street, Baldwin Lane, Edgell Road, Greenwood Road, Wedgewood Road, Singletary Way, River Bend Road, Cedar Street Ext., Lincoln Street, Main Street, Meserve Street, Wood Street, Parker Point, Hayden Rowe, Smith Road, Hidden Brick, Ledge Stone Road, Courtney Circle, Brook Hollow Lane
	Adulticiding	Brook Hollow Lane, Huckleberry Road, Rough Rider, Fruit Street, Lincoln Street, Cedar Street Ext., River Bend Road, Wedgewood Road, Singletary Way, Wedgewood Road, Greenwood Road, Edgell Road, Parke Point Road, Wood Street, Meserve Street, Main Street, Hayden Rowe, Smith Road, Hidden Brick Road, Southborough Rod & Gun Club, Courtney Circle, Ledge Stone Drive
07-06-06	Set Trap	Saddle Hill Road, Fruit Street
	Pick Up Trap	Woods Street
07-07-06	Pick Up Trap	Fruit Street, Saddle Hill Road
07-11-06	Administrative Contact	Police Department
	Public Relations	Huckleberry Road, Roosevelt Lane, Cub's Path, North Street, Rocky Woods Road, Wood Street, Victory Lane, Rice Street, Spring Street, Mchugh Road, Falcon Ridge Road, Heidi Circle Peg's Way, Pong Street, Elizabeth Road, School Street, West Elm Street, Country Way, West Main Street, Ash Street, Hopkins Road, Front Street, North Mill Street, Wilson Street, Rice Street, Mouse Street
	Adulticiding	Falcon Ridge Road, Heidi Circle, Peg's Way, Elizabeth Road, School Street, West Elms Street, Country Way, West Main Street, Ash Street, Hopkins Road, Front Street, North Mill Street, Wilson Street, Morse Street, Huckleberry Road, Cubs Path, Roosevelt Lane, North Street, Rocky Woods Road, Wood Street, Rice Street, Spring Street, Mchugh Road, Spring Street
07-12-06	Set Trap	Fruit Street
07-13-06	Pick Up Trap	Fruit Street
	Set Trap	Woods Street, Saddle Hill Road
07-13-06	Public Relations	Wescott Drive,
	Adulticiding	Wescott Drive
07-14-06	Pick Up Trap	Saddle Hill Road, Woods Street
07-18-06	Set Trap	Fruit Street
07-19-06	Pick Up Trap	Fruit Street
07-18-06	Administrative Contact	Police Department
	Public Relations	Edge Hill Road, River Bend Road, Wedge Wood Road, Overlook Road, Lincoln Street, Meserve Street, Oliver Lane, Longwood Drive, Winter Street, Elizabeth Road, Andrea Drive, Hill Crest Drive, Erika Drive, Valley Wood Road, Deer Run, Teresa Road, Nicholas Road, Chamberlain Road, John Matthews, Chestnut Street, South Mill Road, Blueberry Lane, Briar Cliff Road, Thayer Heights Road, Whirty Street
	Adulticiding	Edge Hill Road, River Bend Road, Wedge Wood Road, Overlook Road, Lincoln Street, Meserve Street, Oliver Lane, Longwood Drive, Winter Street, Elizabeth Road, Andrea Drive, Hill Crest Drive, Erika Drive, Valley Wood Road, Deer Run, Teresa Road, Nicholas Road, Chamberlain Road, John Matthews, Chestnut Street, South Mill Road, Briar Cliff Road, Thayer Heights Road, Whirty Street
07-19-06	Pick Up Trap	Fruit Street
07-20-06	Set Trap	Woods Street, Saddle Hill Road
	Public Relations	Valleywood Road
	Adulticiding	Valleywood Road
07-21-06	Pick Up Trap	Woods Street, Saddle Hill Road
07-25-06	Public Relations	North Street, Roosevelt Lane, Rough Rider Road, Fruit Street, Huckleberry Road, Rice Street, Spring Street, Falcon Ridge Drive, Heidi Circle, School Street, Erika Drive, Elizabeth Road, Priscilla Road, Valleywood Drive,

TOWN OF HOPKINTON

<u>DATE</u>	<u>WORK DONE</u>	<u>LOCATION</u>
07-25-06	Adulticiding	Winter Street, Wood Street, Pond Street Winter Street, Priscilla Road, Pond Street, Erika Drive, Valleywood Drive, Elizabeth Road, Falcon Ridge Drive, Spring Street, Wood Street, Rice Street, Morse Lane, Huckleberry Road, Roosevelt Lane, Rough Rider Road, Fruit Street, North Street
	Larval Survey	Spring Street, School Street
	Larviciding	Fruit Street, Spring Street, Heidi Circle
07-26-06	Set Trap	Woods Street
07-27-06	Set Trap	Saddle Hill Road, Fruit Street
	Pick Up Trap	Woods Street
07-28-06	Pick Up Trap	Saddle Hill Road, Fruit Street
08-01-06	Set Trap	Woods Street
	Administrative Contact	Police Department, Board Of Health
	Public Relations	Maple Street, Ash Street, Hearthstone Road, Carriage Hill Road, Stone Crossing Way, Blueberry Lane, Hawthorne Lane, Emerson Way, Tammer Lane, Valentine Road, Smith Road, Chamberlain Road, Nicholas Road, Lumber Street, Whirty Circle, Elm Street, Valleywood Road, Winter Street, Spring Street, Longwood Drive, Whitman Lane
	Adulticiding	Longwood Drive, Spring Street, Winter Street, Valleywood Road, Whirty Circle, Lumber Street, Nicholas Road, Smith Road, Chamberlain Street, Valentine Road, Tammer Lane, Emerson Way, Hawthorn Lane, Ash Street, Blueberry Lane, Stone Crossing Way, Carriage Hill Road, Hearth Stone Road, Ash Street, Maple Street, Elm Street, Peg's Way
08-02-06	Set Trap	Saddle Hill Road, Fruit Street
	Pick Up Trap	Woods Street
08-03-06	Pick Up Trap	Saddle Hill Road, Fruit Street
	Catch Basin Larviciding [500]	North Street, Baldwin Lane, Honeysuckle Circle, Washington Lane, Fruit Street, Colonnade Drive, Cubs Path, Roosevelt Road, Bull Moose Run, Rough Rider Road, Huckleberry Road, Victory Lane, Cunningham Street, Warren Road, Whitehall Lane, Highland Street, Exchange Street, Parkers Road, Point Road, Mechanic Street, Erin's Way, Wood Street, Walker Street, Proctor Street, Palomino Drive, Clydesdale Lane, Ridge Road, Equestrian Drive, Appaloosa Circle, Saddle Hill Road, Daniel Shays Road, Greenwood Road, Everett Circle, Overlook Drive, Summit Drive, High Croft Way, Riverbend Road, Single Tar Way, Wedgewood Drive, Stoney Brook Road, Edge Hill Road, Bridgeton Way
08-08-06	Set Trap	Fruit Street
	Catch Basin Larviciding [700]	Rocky Woods Road, Longwood Drive, Ralph Road, Emma Drive, Meadowland Drive, Castle Hill Road, Norcross Road, Hill Street, Lyford Road, Mchugh Lane, Heidi Circle, Stewart Street, Donna Pass, Charles Lane, Jamie Lane, Peg's Way, Westcott Drive, Christian Way, Spring Street, Snowy Owl Road, Falcon Ridge Drive, Stagecoach Way, Lamplighter Lane, Pond Street, School Street, Winter Street, Lee Lane, Stonegate Road, Elizabeth Road, Gina Drive, John Matthew Road, David Joseph Road, Andrea Drive, West Elm Street, Dicarlo Road, Peppercorn Road, Barbara Road, Carol Ann Drive, Old Farm Road, Queen Anne Road, Princess Lane, Country Way, Memory Lane, Priscilla Road, Ark Road, Elm Street, Lyn Path, Tiffany Terrace, Circle Drive, Valleywood Road, Atwood Drive, High Street, Park Wood Drive, Golden Pond, Appletree Hill, Turn Bridge Lane, Rosewood Lane, Birchwood Lane, Doyle Lane, Lemman Lane, Lilac Court, Bridge Lane, Hayward Street, Yale Road, Lake Shore Drive, Wood Island Road, Auciello Drive, "F" Street, Chester Street, Newberry Street, Hillcrest Drive, Laurel Avenue, Bowdoin Road, Sandy Island Street, Knoll Road, Keeby Road, Fisher Road, Hill Road, Downey Street, Downey Place, Amherst Road, Beech Street, Twin Island Road
	Administrative Contact	Police Department

TOWN OF HOPKINTON

<u>DATE</u>	<u>WORK DONE</u>	<u>LOCATION</u>
08-08-06	Public Relations	Wedgewood Drive, Greenwood Road, Everett Circle, Summit Way, Overlook Road, Huckleberry Road, Cub's Path, North Street, Roosevelt Road, Bullmoose Run, Rocky Woods Road, Wood Street, Falcon Ridge Road, Elizabeth Road, Valley Wood Road, Pond Street, Winter Street, West Main Street, Hillcrest Road, Duffield Road, Meserve Street
	Adulticiding	Wedgewood Drive, Greenwood Road, Everett Circle, Summit Way, Overlook Road, Huckleberry Road, Cub's Path, North Street, Roosevelt Lane, Bullmoose Run, Rocky Woods Road, Wood Street, Falcon Ridge Road, Elizabeth Road, Valley Wood Road, Pond Street, Winter Street, West Main Street, Hillcrest Drive, Duffield Road, Meserve Street
	Larval Survey	Roosevelt Lane
08-09-06	Pick Up Trap	Fruit Street
08-10-06	Set Trap	Woods Street, Saddle Hill Road
	Trap Survey	Fruit Street
	Public Relations	Wedge Wood Road
08-11-06	Pick Up Trap	Woods Street, Saddle Hill Road
08-15-06	Set Trap	Fruit Street
	Administrative Contact	Police Department
	Public Relations	Ash Street, Stone Crossing Way, Thayer Heights Road, East Street, Tammer Lane, Pendulum Pass, Wedgewood Road, Overlook Road, Rough Rider Road, Rice Street, Spring Street, Highland Street, Lincoln Street, Wilson Street, Chamberlain Street, Teresa Road, Whirly Circle, Third Street, West Elm Street, Alprilla Farm Road, Olive Lane, Ledge Stone Drive
	Adulticiding	Ash Street, Stone Crossing Way, Thayer Heights Road, East Street, Pendulum Pass, Chamberlain Street, Teresa Avenue, Whirly Circle, Wedgewood Road, Overlook Road, Rough Rider Road, Rice Street, Spring Street, Highland Street, Lincoln Street, Wilson Street, Third Street, West Elm Street
	Larval Survey	Alprilla Farm Road, Olive Lane, Ledge Stone Drive
08-16-06	Pick Up Trap	Fruit Street
08-17-06	Set Trap	Saddle Hill Road
08-18-06	Pick Up Trap	Saddle Hill Road, Woods Street
08-22-06	Administrative Contact	Police Department, Board Of Health
	Public Relations	Wedgewood Drive, Summit Way, Overlook Road, Cedar Street, Rice Street, Pond Street, Elizabeth Road, Stonegate Road, West Elm Street, Hillcrest Street, Whirly Circle, Thayer Heights Road, Ash Street
	Adulticiding	Wedgewood Drive, Summit Way, Overlook Road, Cedar Street, Meserve Street, Wood Street, Rice Street, Pond Street, Elizabeth Road, Stonegate Road, West Elm Street, Whirly Circle, West Main Street, Hillcrest Road, Ash Street, Thayer Heights Road
	Larval Survey	Ash Street
08-23-06	Set Trap	Fruit Street
08-24-06	Pick Up Trap	Fruit Street
	Set Trap	Saddle Hill Road
08-25-06	Pick Up Trap	Saddle Hill Road
08-29-06	Administrative Contact	Police Department, Board Of Health
	Public Relations	Tammer Lane, Chamberlain Street, Lincoln Street, Spring Street, John Matthew Road
08-30-06	Set Trap	Fruit Street
08-31-06	Pick Up Trap	Fruit Street
	Set Trap	Woods Street, Saddle Hill Road
	Administrative Contact	Police Department
	Public Relations	Valleywood Road
	Adulticiding	Valleywood Road
09-01-06	Pick Up Trap	Woods Street, Saddle Hill Road
09-05-06	Trap Survey	Woods Street, Fruit Street
09-06-06	Set Trap	Woods Street
	Administrative Contact	Police Department, Board Of Health
	Public Relations	Rough Rider Road, Lincoln Street, Meserve Street, Spring Street, John Matthews Road, Elizabeth Road, David Joseph Road, Whirly Circle, Chamberlain Street, Thayer Heights Road, Tammer Lane

TOWN OF HOPKINTON

<u>DATE</u>	<u>WORK DONE</u>	<u>LOCATION</u>
09-06-06	Adulticiding	Rough Rider Road, Lincoln Street, Meserve Street, Spring Street, John Matthew Road, Elizabeth Road, David Joseph Road, Elizabeth Road, Whirty Circle, Chamberlain Street, Thayer Heights Road, Tanner Lane
	Larval Survey	Proctor Street, Clydesdale Lane, Ridge Road, Oliver Lane, Saddle Hill Road, Daniel Shays Road
09-07-06	Pick Up Trap	Woods Street
	Set Trap	Fruit Street, Saddle Hill Road
09-08-06	Pick Up Trap	Fruit Street, Saddle Hill Road
09-12-06	Administrative Contact	Police Department, Board Of Health
	Public Relations	Huckleberry Road, Duffield Road, Whirty Circle, Saddle Hill Road
	Adulticiding	Huckleberry Road, Saddle Hill Road, Duffield Road, Whirty Circle
	Larval Survey	Fruit Street, North Street, Fruit Street, Huckleberry Road, Cub's Path
09-13-06	Set Trap	Wood Street
09-14-06	Pick Up Trap	Wood Street
	Set Trap	Fruit Street, Saddle Hill Road
	Administrative Contact	Police Department
	Public Relations	Lincoln Street, Davis Road
	Larval Survey	Davis Road
09-15-06	Pick Up Trap	Fruit Street, Saddle Hill Road
09-20-06	Set Trap	Wood Street
09-21-06	Pick Up Trap	Wood Street, Fruit Street
	Set Trap	Saddle Hill Road
09-22-06	Pick Up Trap	Saddle Hill Road
09-27-06	Set Trap	Wood Street
09-28-06	Pick Up Trap	Wood Street
	Set Trap	Fruit Street, Saddle Hill Road
09-29-06	Pick Up Trap	Fruit Street, Saddle Hill Road
10-02-06	Clear Trap Site	Wood Street, Fruit Street
10-03-06	Clear Trap Site	Saddle Hill Road
10-18-06	Administrative Contact	Police Department
	Stream Cleaning 150'	Fruit Street
	Stream Cleaning 60'	Fruit Street
	Stream Cleaning 10'	Fruit Street
	Stream Cleaning 70'	Fruit Street
	Stream Cleaning 30'	Fruit Street
	Stream Cleaning 10'	Fruit Street
	Stream Cleaning 20'	Saddle Hill Road
	Culvert Cleaning (35)	Fruit Street, Washington Street, North Street, Bridgeton Way, Huckleberry Lane, Saddle Hill Road, Edgehill Road, Stoney Brook Road, Wedgewood Drive, Saddle Hill Road
11-13-06	Stream Cleaning 30'	Spring Street
	Stream Cleaning 60'	Spring Street
	Stream Cleaning 10'	Spring Street
	Stream Cleaning 90'	Spring Street
	Stream Cleaning 20'	Spring Street
	Stream Cleaning 80'	Pond Street
	Stream Cleaning 150'	Winter Street
	Stream Cleaning 20'	Proctor Street
	Stream Cleaning 20'	Saddle Hill Road
	Stream Cleaning 10'	Saddle Hill Road
	Culvert Cleaning (21)	Spring Street, Snowy Owl Road, Pond Street, Winter Street, Proctor Street, Saddle Hill Road
11-16-06	Stream Cleaning 10'	Spring Street
	Stream Cleaning 50'	Spring Street
	Stream Cleaning 175'	Spring Street
	Stream Cleaning 200'	Spring Street
	Stream Cleaning 20'	Spring Street
	Stream Cleaning 10'	Snowy Owl Road
	Stream Cleaning 20'	Spring Street
	Stream Cleaning 10'	Pond Street
	Stream Cleaning 30'	Pond Street
	Stream Cleaning 30'	Pond Street
	Stream Cleaning 40'	Pond Street
	Culvert Cleaning (24)	Spring Street, Lyford Road, Snowy Owl Road, Pond Street

TOWN OF HOPKINTON

<u>DATE</u>	<u>WORK DONE</u>	<u>LOCATION</u>
11-28-06	Stream Cleaning 30'	Lumber Street
	Stream Cleaning 5'	Lumber Street
	Stream Cleaning 10'	Lumber Street
	Stream Cleaning 20'	Granite Street
	Stream Cleaning 40'	Granite Street
	Stream Cleaning 40'	Granite Street
	Stream Cleaning 30'	Granite Street
	Stream Cleaning 80'	Granite Street
	Culvert Cleaning (14)	Lumber Street, Granite Street

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#	Town	Date	Pool ID	# of Traps	Trap Site	Pool Size	Species	Result	Virus Type
1	Hopkinton	6/2/2006	CM06-00023	2	Saddle Hill Road, CM	24	<i>Culiseta melanura</i>	Negative	
2	Hopkinton	6/2/2006	CM06NS-00048	2	Saddle Hill Road, CM	8	<i>Ochlerotatus excrucians</i>	N/S	
3	Hopkinton	6/2/2006	CM06NS-00049	2	Saddle Hill Road, CM	1	<i>Ochlerotatus japonicus</i>	N/S	
4	Hopkinton	6/9/2006	CM06-00054	2	Saddle Hill Road, CM	30	<i>Culiseta melanura</i>	Negative	
5	Hopkinton	6/9/2006	CM06NS-00151	2	Saddle Hill Road, CM	1	<i>Aedes cinereus</i>	N/S	
6	Hopkinton	6/9/2006	CM06NS-00152	2	Saddle Hill Road, CM	7	<i>Aedes vexans</i>	N/S	
7	Hopkinton	6/9/2006	CM06NS-00153	2	Saddle Hill Road, CM	8	<i>Ochlerotatus abserratus</i>	N/S	
8	Hopkinton	6/9/2006	CM06NS-00154	2	Saddle Hill Road, CM	4	<i>Ochlerotatus canadensis</i>	N/S	
9	Hopkinton	6/9/2006	CM06NS-00155	2	Saddle Hill Road, CM	6	<i>Ochlerotatus cantator</i>	N/S	
10	Hopkinton	6/9/2006	CM06NS-00156	2	Saddle Hill Road, CM	3	<i>Ochlerotatus excrucians</i>	N/S	
11	Hopkinton	6/9/2006	CM06NS-00157	2	Saddle Hill Road, CM	2	<i>Ochlerotatus trivittatus</i>	N/S	
12	Hopkinton	6/15/2006	CM06-00083	1	Fruit Street, CM	50	<i>Culiseta melanura</i>	Negative	
13	Hopkinton	6/15/2006	CM06-00093	1	Fruit Street, CM	10	<i>Culiseta melanura</i>	Negative	
14	Hopkinton	6/15/2006	CM06NS-00359	1	Fruit Street, CM	2	<i>Aedes cinereus</i>	N/S	
15	Hopkinton	6/15/2006	CM06NS-00360	1	Fruit Street, CM	67	<i>Aedes vexans</i>	N/S	
16	Hopkinton	6/15/2006	CM06NS-00361	1	Fruit Street, CM	1	<i>Anopheles punctipennis</i>	N/S	
17	Hopkinton	6/15/2006	CM06NS-00362	1	Fruit Street, CM	39	<i>Coquillettidia perturbans</i>	N/S	
18	Hopkinton	6/15/2006	CM06NS-00363	1	Fruit Street, CM	19	<i>Ochlerotatus abserratus</i>	N/S	
19	Hopkinton	6/15/2006	CM06NS-00364	1	Fruit Street, CM	21	<i>Ochlerotatus canadensis</i>	N/S	
20	Hopkinton	6/15/2006	CM06NS-00365	1	Fruit Street, CM	229	<i>Ochlerotatus cantator</i>	N/S	
21	Hopkinton	6/15/2006	CM06NS-00366	1	Fruit Street, CM	3	<i>Ochlerotatus excrucians</i>	N/S	
22	Hopkinton	6/15/2006	CM06NS-00367	1	Fruit Street, CM	1	<i>Ochlerotatus provocans</i>	N/S	
23	Hopkinton	6/15/2006	CM06NS-00368	1	Fruit Street, CM	11	<i>Ochlerotatus sticticus</i>	N/S	
24	Hopkinton	6/15/2006	CM06NS-00369	1	Fruit Street, CM	18	<i>Ochlerotatus trivittatus</i>	N/S	
25	Hopkinton	6/16/2006	CM06-00087	2	Saddle Hill Road, CM	1	<i>Culiseta melanura</i>	Negative	
26	Hopkinton	6/16/2006	CM06-00094	1	Wood Street, CM	2	<i>Culiseta melanura</i>	Negative	
27	Hopkinton	6/16/2006	CM06NS-00302	2	Saddle Hill Road, CM	1	<i>Aedes cinereus</i>	N/S	
28	Hopkinton	6/16/2006	CM06NS-00303	2	Saddle Hill Road, CM	6	<i>Aedes vexans</i>	N/S	
29	Hopkinton	6/16/2006	CM06NS-00304	2	Saddle Hill Road, CM	1	<i>Anopheles punctipennis</i>	N/S	
30	Hopkinton	6/16/2006	CM06NS-00305	2	Saddle Hill Road, CM	2	<i>Coquillettidia perturbans</i>	N/S	
31	Hopkinton	6/16/2006	CM06NS-00306	2	Saddle Hill Road, CM	3	<i>Ochlerotatus abserratus</i>	N/S	
32	Hopkinton	6/16/2006	CM06NS-00307	2	Saddle Hill Road, CM	16	<i>Ochlerotatus canadensis</i>	N/S	
33	Hopkinton	6/16/2006	CM06NS-00308	2	Saddle Hill Road, CM	7	<i>Ochlerotatus cantator</i>	N/S	
34	Hopkinton	6/16/2006	CM06NS-00309	2	Saddle Hill Road, CM	1	<i>Ochlerotatus japonicus</i>	N/S	
35	Hopkinton	6/16/2006	CM06NS-00310	2	Saddle Hill Road, CM	3	<i>Ochlerotatus sticticus</i>	N/S	
36	Hopkinton	6/16/2006	CM06NS-00311	2	Saddle Hill Road, CM	1	<i>Ochlerotatus trivittatus</i>	N/S	
37	Hopkinton	6/16/2006	CM06NS-00353	1	Wood Street, CM	1	<i>Aedes cinereus</i>	N/S	
38	Hopkinton	6/16/2006	CM06NS-00354	1	Wood Street, CM	25	<i>Coquillettidia perturbans</i>	N/S	
39	Hopkinton	6/16/2006	CM06NS-00355	1	Wood Street, CM	95	<i>Ochlerotatus canadensis</i>	N/S	
40	Hopkinton	6/16/2006	CM06NS-00356	1	Wood Street, CM	19	<i>Ochlerotatus cantator</i>	N/S	
41	Hopkinton	6/16/2006	CM06NS-00357	1	Wood Street, CM	1	<i>Ochlerotatus excrucians</i>	N/S	
42	Hopkinton	6/16/2006	CM06NS-00358	1	Wood Street, CM	1	<i>Ochlerotatus trivittatus</i>	N/S	
43	Hopkinton	6/22/2006	CM06-00155	1	Fruit Street, CM	3	<i>Culiseta melanura</i>	Negative	
44	Hopkinton	6/22/2006	CM06-00156	1	Fruit Street, CM	1	<i>Culex species</i>	Negative	

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45	Hopkinton	6/22/2006	CM06NS-00526	1	Fruit Street, CM	3	<i>Aedes cinereus</i>	N/S	
46	Hopkinton	6/22/2006	CM06NS-00527	1	Fruit Street, CM	19	<i>Aedes vexans</i>	N/S	
47	Hopkinton	6/22/2006	CM06NS-00528	1	Fruit Street, CM	3	<i>Anopheles punctipennis</i>	N/S	
48	Hopkinton	6/22/2006	CM06NS-00529	1	Fruit Street, CM	197	<i>Coquillettidia perturbans</i>	N/S	
49	Hopkinton	6/22/2006	CM06NS-00530	1	Fruit Street, CM	26	<i>Ochlerotatus canadensis</i>	N/S	
50	Hopkinton	6/22/2006	CM06NS-00531	1	Fruit Street, CM	38	<i>Ochlerotatus cantator</i>	N/S	
51	Hopkinton	6/22/2006	CM06NS-00532	1	Fruit Street, CM	2	<i>Ochlerotatus excrucians</i>	N/S	
52	Hopkinton	6/22/2006	CM06NS-00533	1	Fruit Street, CM	4	<i>Ochlerotatus sticticus</i>	N/S	
53	Hopkinton	6/22/2006	CM06NS-00534	1	Fruit Street, CM	2	<i>Ochlerotatus trivittatus</i>	N/S	
54	Hopkinton	6/22/2006	CM06NS-00535	1	Fruit Street, CM	2	<i>Psorophora ferox</i>	N/S	
55	Hopkinton	6/23/2006	CM06-00149	2	Saddle Hill Road, CM	6	<i>Culiseta melanura</i>	Negative	
56	Hopkinton	6/23/2006	CM06-00150	2	Saddle Hill Road, CM	23	<i>Ochlerotatus canadensis</i>	Negative	
57	Hopkinton	6/23/2006	CM06-00151	2	Saddle Hill Road, CM	1	<i>Culex restuans</i>	Negative	
58	Hopkinton	6/23/2006	CM06-00157	1	Wood Street, CM	16	<i>Culiseta melanura</i>	Negative	
59	Hopkinton	6/23/2006	CM06-00158	1	Wood Street, CM	6	<i>Culex pipiens</i>	Negative	
60	Hopkinton	6/23/2006	CM06NS-00519	2	Saddle Hill Road, CM	1	<i>Aedes cinereus</i>	N/S	
61	Hopkinton	6/23/2006	CM06NS-00520	2	Saddle Hill Road, CM	14	<i>Coquillettidia perturbans</i>	N/S	
62	Hopkinton	6/23/2006	CM06NS-00521	2	Saddle Hill Road, CM	1	<i>Ochlerotatus cantator</i>	N/S	
63	Hopkinton	6/23/2006	CM06NS-00536	1	Wood Street, CM	1	<i>Anopheles punctipennis</i>	N/S	
64	Hopkinton	6/23/2006	CM06NS-00537	1	Wood Street, CM	95	<i>Coquillettidia perturbans</i>	N/S	
65	Hopkinton	6/23/2006	CM06NS-00538	1	Wood Street, CM	44	<i>Ochlerotatus canadensis</i>	N/S	
66	Hopkinton	6/23/2006	CM06NS-00539	1	Wood Street, CM	4	<i>Ochlerotatus cantator</i>	N/S	
67	Hopkinton	6/23/2006	CM06NS-00540	1	Wood Street, CM	6	<i>Ochlerotatus triseriatus</i>	N/S	
68	Hopkinton	6/29/2006	CM06-00203	2	Fruit Street, CM	6	<i>Anopheles punctipennis</i>	Negative	
69	Hopkinton	6/29/2006	CM06-00204	2	Fruit Street, CM	1	<i>Anopheles quadrimaculatus</i>	Negative	
70	Hopkinton	6/29/2006	CM06-00205	2	Fruit Street, CM	3	<i>Culex restuans</i>	Negative	
71	Hopkinton	6/29/2006	CM06NS-00636	2	Fruit Street, CM	5	<i>Aedes cinereus</i>	N/S	
72	Hopkinton	6/29/2006	CM06NS-00637	2	Fruit Street, CM	17	<i>Aedes vexans</i>	N/S	
73	Hopkinton	6/29/2006	CM06NS-00638	2	Fruit Street, CM	219	<i>Coquillettidia perturbans</i>	N/S	
74	Hopkinton	6/29/2006	CM06NS-00639	2	Fruit Street, CM	22	<i>Ochlerotatus canadensis</i>	N/S	
75	Hopkinton	6/29/2006	CM06NS-00640	2	Fruit Street, CM	17	<i>Ochlerotatus cantator</i>	N/S	
76	Hopkinton	6/29/2006	CM06NS-00641	2	Fruit Street, CM	3	<i>Ochlerotatus sticticus</i>	N/S	
77	Hopkinton	6/29/2006	CM06NS-00642	2	Fruit Street, CM	5	<i>Ochlerotatus trivittatus</i>	N/S	
78	Hopkinton	6/29/2006	CM06NS-00643	2	Fruit Street, CM	5	<i>Ochlerotatus triseriatus</i>	N/S	
79	Hopkinton	6/29/2006	CM06NS-00644	2	Fruit Street, CM	1	<i>Psorophora ferox</i>	N/S	
80	Hopkinton	6/30/2006	CM06-00214	2	Wood Street, CM	7	<i>Culex pipiens/restuans</i>	Negative	
81	Hopkinton	6/30/2006	CM06-00215	2	Wood Street, CM	9	<i>Culiseta melanura</i>	Negative	
82	Hopkinton	6/30/2006	CM06-00223	2	Saddle Hill Road, CM	2	<i>Culex pipiens/restuans</i>	Negative	
83	Hopkinton	6/30/2006	CM06NS-00666	2	Wood Street, CM	1	<i>Aedes cinereus</i>	N/S	
84	Hopkinton	6/30/2006	CM06NS-00667	2	Wood Street, CM	2	<i>Aedes vexans</i>	N/S	
85	Hopkinton	6/30/2006	CM06NS-00668	2	Wood Street, CM	200	<i>Coquillettidia perturbans</i>	N/S	
86	Hopkinton	6/30/2006	CM06NS-00669	2	Wood Street, CM	103	<i>Ochlerotatus canadensis</i>	N/S	
87	Hopkinton	6/30/2006	CM06NS-00670	2	Wood Street, CM	7	<i>Ochlerotatus cantator</i>	N/S	
88	Hopkinton	6/30/2006	CM06NS-00671	2	Wood Street, CM	8	<i>Ochlerotatus triseriatus</i>	N/S	
89	Hopkinton	6/30/2006	CM06NS-00686	2	Saddle Hill Road, CM	23	<i>Coquillettidia perturbans</i>	N/S	

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90	Hopkinton	6/30/2006	CM06NS-00687	2	Saddle Hill Road, CM	19	<i>Ochlerotatus canadensis</i>	N/S	
91	Hopkinton	6/30/2006	CM06NS-00688	2	Saddle Hill Road, CM	6	<i>Ochlerotatus excrucians</i>	N/S	
92	Hopkinton	6/30/2006	CM06NS-00689	2	Saddle Hill Road, CM	1	<i>Ochlerotatus sticticus</i>	N/S	
93	Hopkinton	6/30/2006	CM06NS-00690	2	Saddle Hill Road, CM	1	<i>Ochlerotatus triseriatus</i>	N/S	
94	Hopkinton	7/6/2006	CM06-00267	2	Wood Street, CM	14	<i>Culex pipiens/restuans</i>	Negative	
95	Hopkinton	7/6/2006	CM06-00268	2	Wood Street, CM	2	<i>Culiseta melanura</i>	Negative	
96	Hopkinton	7/6/2006	CM06NS-00763	2	Wood Street, CM	2	<i>Anopheles punctipennis</i>	N/S	
97	Hopkinton	7/6/2006	CM06NS-00764	2	Wood Street, CM	1	<i>Anopheles quadrimaculatus</i>	N/S	
98	Hopkinton	7/6/2006	CM06NS-00765	2	Wood Street, CM	245	<i>Coquillettidia perturbans</i>	N/S	
99	Hopkinton	7/6/2006	CM06NS-00766	2	Wood Street, CM	28	<i>Ochlerotatus canadensis</i>	N/S	
100	Hopkinton	7/6/2006	CM06NS-00767	2	Wood Street, CM	2	<i>Ochlerotatus cantator</i>	N/S	
101	Hopkinton	7/6/2006	CM06NS-00768	2	Wood Street, CM	6	<i>Ochlerotatus triseriatus</i>	N/S	
102	Hopkinton	7/7/2006	CM06-00238	2	Saddle Hill Road, CM	2	<i>Culex pipiens/restuans</i>	Negative	
103	Hopkinton	7/7/2006	CM06-00239	2	Saddle Hill Road, CM	2	<i>Culiseta melanura</i>	Negative	
104	Hopkinton	7/7/2006	CM06-00274	2	Fruit Street, CM	2	<i>Culex pipiens/restuans</i>	Negative	
105	Hopkinton	7/7/2006	CM06NS-00786	2	Saddle Hill Road, CM	16	<i>Coquillettidia perturbans</i>	N/S	
106	Hopkinton	7/7/2006	CM06NS-00787	2	Saddle Hill Road, CM	15	<i>Ochlerotatus canadensis</i>	N/S	
107	Hopkinton	7/7/2006	CM06NS-00788	2	Saddle Hill Road, CM	1	<i>Ochlerotatus japonicus</i>	N/S	
108	Hopkinton	7/7/2006	CM06NS-00789	2	Saddle Hill Road, CM	1	<i>Ochlerotatus sticticus</i>	N/S	
109	Hopkinton	7/7/2006	CM06NS-00813	2	Fruit Street, CM	3	<i>Aedes cinereus</i>	N/S	
110	Hopkinton	7/7/2006	CM06NS-00814	2	Fruit Street, CM	5	<i>Aedes vexans</i>	N/S	
111	Hopkinton	7/7/2006	CM06NS-00815	2	Fruit Street, CM	254	<i>Coquillettidia perturbans</i>	N/S	
112	Hopkinton	7/7/2006	CM06NS-00816	2	Fruit Street, CM	38	<i>Ochlerotatus canadensis</i>	N/S	
113	Hopkinton	7/7/2006	CM06NS-00817	2	Fruit Street, CM	9	<i>Ochlerotatus cantator</i>	N/S	
114	Hopkinton	7/7/2006	CM06NS-00818	2	Fruit Street, CM	1	<i>Ochlerotatus excrucians</i>	N/S	
115	Hopkinton	7/7/2006	CM06NS-00819	2	Fruit Street, CM	1	<i>Ochlerotatus stimulans</i>	N/S	
116	Hopkinton	7/7/2006	CM06NS-00820	2	Fruit Street, CM	1	<i>Psorophora ferox</i>	N/S	
117	Hopkinton	7/13/2006	CM06-00353	2	Fruit Street, CM	45	<i>Culex species</i>	Negative	
118	Hopkinton	7/13/2006	CM06NS-00938	2	Fruit Street, CM	1	<i>Culiseta morsitans</i>	N/S	
119	Hopkinton	7/13/2006	CM06NS-00939	2	Fruit Street, CM	1	<i>Aedes cinereus</i>	N/S	
120	Hopkinton	7/13/2006	CM06NS-00940	2	Fruit Street, CM	5	<i>Aedes vexans</i>	N/S	
121	Hopkinton	7/13/2006	CM06NS-00941	2	Fruit Street, CM	175	<i>Coquillettidia perturbans</i>	N/S	
122	Hopkinton	7/13/2006	CM06NS-00942	2	Fruit Street, CM	15	<i>Ochlerotatus canadensis</i>	N/S	
123	Hopkinton	7/13/2006	CM06NS-00943	2	Fruit Street, CM	8	<i>Ochlerotatus cantator</i>	N/S	
124	Hopkinton	7/13/2006	CM06NS-00944	2	Fruit Street, CM	1	<i>Ochlerotatus stimulans</i>	N/S	
125	Hopkinton	7/13/2006	CM06NS-00945	2	Fruit Street, CM	1	<i>Ochlerotatus sticticus</i>	N/S	
126	Hopkinton	7/13/2006	CM06NS-00946	2	Fruit Street, CM	2	<i>Ochlerotatus triseriatus</i>	N/S	
127	Hopkinton	7/13/2006	CM06NS-00947	2	Fruit Street, CM	3	<i>Ochlerotatus trivittatus</i>	N/S	
128	Hopkinton	7/14/2006	CM06-00350	2	Wood Street, CM	3	<i>Culex pipiens</i>	Negative	
129	Hopkinton	7/14/2006	CM06-00354	2	Saddle Hill Road, CM	9	<i>Culex pipiens</i>	Negative	
130	Hopkinton	7/14/2006	CM06-00355	2	Saddle Hill Road, CM	13	<i>Culex restuans</i>	Negative	
131	Hopkinton	7/14/2006	CM06-00356	2	Saddle Hill Road, CM	22	<i>Culiseta melanura</i>	Negative	
132	Hopkinton	7/14/2006	CM06-00357	2	Saddle Hill Road, CM	12	<i>Culiseta morsitans</i>	Negative	
133	Hopkinton	7/14/2006	CM06NS-00929	2	Wood Street, CM	2	<i>Anopheles punctipennis</i>	N/S	
134	Hopkinton	7/14/2006	CM06NS-00930	2	Wood Street, CM	1	<i>Anopheles barberi</i>	N/S	

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135	Hopkinton	7/14/2006	CM06NS-00931	2	Wood Street, CM	46	<i>Coquillettidia perturbans</i>	N/S	
136	Hopkinton	7/14/2006	CM06NS-00932	2	Wood Street, CM	30	<i>Ochlerotatus canadensis</i>	N/S	
137	Hopkinton	7/14/2006	CM06NS-00933	2	Wood Street, CM	2	<i>Ochlerotatus cantator</i>	N/S	
138	Hopkinton	7/14/2006	CM06NS-00934	2	Wood Street, CM	4	<i>Ochlerotatus triseriatus</i>	N/S	
139	Hopkinton	7/14/2006	CM06NS-00948	2	Saddle Hill Road, CM	1	<i>Aedes vexans</i>	N/S	
140	Hopkinton	7/14/2006	CM06NS-00949	2	Saddle Hill Road, CM	2	<i>Anopheles punctipennis</i>	N/S	
141	Hopkinton	7/14/2006	CM06NS-00950	2	Saddle Hill Road, CM	27	<i>Coquillettidia perturbans</i>	N/S	
142	Hopkinton	7/14/2006	CM06NS-00951	2	Saddle Hill Road, CM	75	<i>Ochlerotatus canadensis</i>	N/S	
143	Hopkinton	7/14/2006	CM06NS-00952	2	Saddle Hill Road, CM	2	<i>Ochlerotatus japonicus</i>	N/S	
144	Hopkinton	7/14/2006	CM06NS-00953	2	Saddle Hill Road, CM	1	<i>Ochlerotatus triseriatus</i>	N/S	
145	Hopkinton	7/14/2006	CM06NS-00954	2	Saddle Hill Road, CM	1	<i>Ochlerotatus trivittatus</i>	N/S	
146	Hopkinton	7/14/2006	CM06NS-00955	2	Saddle Hill Road, CM	1	<i>Psorophora ferox</i>	N/S	
147	Hopkinton	7/19/2006	CM06-00396	2	Fruit Street, CM	13	<i>Culex pipiens</i>	Negative	
148	Hopkinton	7/19/2006	CM06-00397	2	Fruit Street, CM	1	<i>Culex restuans</i>	Negative	
149	Hopkinton	7/19/2006	CM06-00398	2	Fruit Street, CM	1	<i>Culex salinarius</i>	Negative	
150	Hopkinton	7/19/2006	CM06NS-01005	2	Fruit Street, CM	8	<i>Aedes cinereus</i>	N/S	
151	Hopkinton	7/19/2006	CM06NS-01006	2	Fruit Street, CM	7	<i>Aedes vexans</i>	N/S	
152	Hopkinton	7/19/2006	CM06NS-01007	2	Fruit Street, CM	2	<i>Anopheles quadrimaculatus</i>	N/S	
153	Hopkinton	7/19/2006	CM06NS-01008	2	Fruit Street, CM	484	<i>Coquillettidia perturbans</i>	N/S	
154	Hopkinton	7/19/2006	CM06NS-01009	2	Fruit Street, CM	17	<i>Ochlerotatus canadensis</i>	N/S	
155	Hopkinton	7/19/2006	CM06NS-01010	2	Fruit Street, CM	2	<i>Ochlerotatus japonicus</i>	N/S	
156	Hopkinton	7/19/2006	CM06NS-01011	2	Fruit Street, CM	1	<i>Ochlerotatus triseriatus</i>	N/S	
157	Hopkinton	7/19/2006	CM06NS-01012	2	Fruit Street, CM	1	<i>Ochlerotatus trivittatus</i>	N/S	
158	Hopkinton	7/21/2006	CM06-00427	2	Wood Street, CM	13	<i>Culex pipiens</i>	Negative	
159	Hopkinton	7/21/2006	CM06-00428	2	Wood Street, CM	3	<i>Culiseta melanura</i>	Negative	
160	Hopkinton	7/21/2006	CM06-00432	2	Saddle Hill Road, CM	4	<i>Culex pipiens</i>	Negative	
161	Hopkinton	7/21/2006	CM06-00433	2	Saddle Hill Road, CM	5	<i>Culiseta melanura</i>	Negative	
162	Hopkinton	7/21/2006	CM06-00434	2	Saddle Hill Road, CM	4	<i>Culiseta morsitans</i>	Negative	
163	Hopkinton	7/21/2006	CM06NS-01080	2	Wood Street, CM	1	<i>Anopheles punctipennis</i>	N/S	
164	Hopkinton	7/21/2006	CM06NS-01081	2	Wood Street, CM	88	<i>Coquillettidia perturbans</i>	N/S	
165	Hopkinton	7/21/2006	CM06NS-01082	2	Wood Street, CM	3	<i>Ochlerotatus canadensis</i>	N/S	
166	Hopkinton	7/21/2006	CM06NS-01083	2	Wood Street, CM	1	<i>Ochlerotatus triseriatus</i>	N/S	
167	Hopkinton	7/21/2006	CM06NS-01091	2	Saddle Hill Road, CM	1	<i>Aedes cinereus</i>	N/S	
168	Hopkinton	7/21/2006	CM06NS-01092	2	Saddle Hill Road, CM	24	<i>Coquillettidia perturbans</i>	N/S	
169	Hopkinton	7/21/2006	CM06NS-01093	2	Saddle Hill Road, CM	24	<i>Ochlerotatus canadensis</i>	N/S	
170	Hopkinton	7/21/2006	CM06NS-01094	2	Saddle Hill Road, CM	2	<i>Ochlerotatus japonicus</i>	N/S	
171	Hopkinton	7/21/2006	CM06NS-01095	2	Saddle Hill Road, CM	3	<i>Ochlerotatus triseriatus</i>	N/S	
172	Hopkinton	7/27/2006	CM06-00497	2	Wood Street, CM	3	<i>Culex species</i>	Negative	
173	Hopkinton	7/27/2006	CM06-00498	2	Wood Street, CM	1	<i>Culiseta melanura</i>	Negative	
174	Hopkinton	7/27/2006	CM06NS-01209	2	Wood Street, CM	1	<i>Aedes vexans</i>	N/S	
175	Hopkinton	7/27/2006	CM06NS-01210	2	Wood Street, CM	85	<i>Coquillettidia perturbans</i>	N/S	
176	Hopkinton	7/27/2006	CM06NS-01211	2	Wood Street, CM	6	<i>Ochlerotatus canadensis</i>	N/S	
177	Hopkinton	7/27/2006	CM06NS-01212	2	Wood Street, CM	1	<i>Ochlerotatus triseriatus</i>	N/S	
178	Hopkinton	7/28/2006	CM06-00503	2	Saddle Hill Road, CM	1	<i>Culex restuans</i>	Negative	
179	Hopkinton	7/28/2006	CM06-00504	2	Fruit Street, CM	5	<i>Culex species</i>	Negative	

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180	Hopkinton	7/28/2006	CM06NS-01223	2	Saddle Hill Road, CM	3	<i>Anopheles punctipennis</i>	N/S	
181	Hopkinton	7/28/2006	CM06NS-01224	2	Saddle Hill Road, CM	64	<i>Coquillettidia perturbans</i>	N/S	
182	Hopkinton	7/28/2006	CM06NS-01225	2	Saddle Hill Road, CM	3	<i>Ochlerotatus canadensis</i>	N/S	
183	Hopkinton	7/28/2006	CM06NS-01226	2	Fruit Street, CM	92	<i>Coquillettidia perturbans</i>	N/S	
184	Hopkinton	7/28/2006	CM06NS-01227	2	Fruit Street, CM	1	<i>Ochlerotatus japonicus</i>	N/S	
185	Hopkinton	8/2/2006	CM06-00542	2	Wood Street, CM	8	<i>Culex species</i>	Negative	
186	Hopkinton	8/2/2006	CM06-00543	2	Wood Street, CM	1	<i>Culiseta melanura</i>	Negative	
187	Hopkinton	8/2/2006	CM06NS-01287	2	Wood Street, CM	1	<i>Culex territans</i>	N/S	
188	Hopkinton	8/2/2006	CM06NS-01288	2	Wood Street, CM	37	<i>Coquillettidia perturbans</i>	N/S	
189	Hopkinton	8/2/2006	CM06NS-01289	2	Wood Street, CM	1	<i>Ochlerotatus triseriatus</i>	N/S	
190	Hopkinton	8/3/2006	CM06-00568	2	Saddle Hill Road, CM	2	<i>Culex species</i>	Negative	
191	Hopkinton	8/3/2006	CM06-00569	2	Saddle Hill Road, CM	3	<i>Culiseta melanura</i>	Negative	
192	Hopkinton	8/3/2006	CM06-00570	2	Saddle Hill Road, CM	1	<i>Culiseta morsitans</i>	Negative	
193	Hopkinton	8/3/2006	CM06NS-01311	2	Fruit Street, CM	1	<i>Ochlerotatus japonicus</i>	N/S	
194	Hopkinton	8/3/2006	CM06NS-01312	2	Fruit Street, CM	3	<i>Psorophora ferox</i>	N/S	
195	Hopkinton	8/3/2006	CM06NS-01329	2	Saddle Hill Road, CM	19	<i>Coquillettidia perturbans</i>	N/S	
196	Hopkinton	8/3/2006	CM06NS-01330	2	Saddle Hill Road, CM	1	<i>Ochlerotatus triseriatus</i>	N/S	
197	Hopkinton	8/9/2006	CM06-00607	2	Fruit Street, CM	2	<i>Culex pipiens</i>	Negative	
198	Hopkinton	8/9/2006	CM06NS-01394	2	Fruit Street, CM	8	<i>Aedes cinereus</i>	N/S	
199	Hopkinton	8/9/2006	CM06NS-01395	2	Fruit Street, CM	52	<i>Aedes vexans</i>	N/S	
200	Hopkinton	8/9/2006	CM06NS-01396	2	Fruit Street, CM	9	<i>Anopheles punctipennis</i>	N/S	
201	Hopkinton	8/9/2006	CM06NS-01397	2	Fruit Street, CM	2	<i>Anopheles quadrimaculatus</i>	N/S	
202	Hopkinton	8/9/2006	CM06NS-01398	2	Fruit Street, CM	84	<i>Coquillettidia perturbans</i>	N/S	
203	Hopkinton	8/9/2006	CM06NS-01399	2	Fruit Street, CM	11	<i>Ochlerotatus cantator</i>	N/S	
204	Hopkinton	8/9/2006	CM06NS-01400	2	Fruit Street, CM	16	<i>Ochlerotatus canadensis</i>	N/S	
205	Hopkinton	8/9/2006	CM06NS-01401	2	Fruit Street, CM	2	<i>Ochlerotatus triseriatus</i>	N/S	
206	Hopkinton	8/9/2006	CM06NS-01402	2	Fruit Street, CM	19	<i>Ochlerotatus trivittatus</i>	N/S	
207	Hopkinton	8/9/2006	CM06NS-01403	2	Fruit Street, CM	41	<i>Psorophora ferox</i>	N/S	
208	Hopkinton	8/11/2006	CM06-00648	2	Saddle Hill Road, CM	1	<i>Culex pipiens</i>	Negative	
209	Hopkinton	8/11/2006	CM06-00649	2	Wood Street, CM	3	<i>Culex pipiens</i>	Negative	
210	Hopkinton	8/11/2006	CM06-00650	2	Wood Street, CM	2	<i>Culiseta melanura</i>	Negative	
211	Hopkinton	8/11/2006	CM06NS-01483	2	Saddle Hill Road, CM	1	<i>Aedes cinereus</i>	N/S	
212	Hopkinton	8/11/2006	CM06NS-01484	2	Saddle Hill Road, CM	1	<i>Aedes vexans</i>	N/S	
213	Hopkinton	8/11/2006	CM06NS-01485	2	Saddle Hill Road, CM	1	<i>Anopheles punctipennis</i>	N/S	
214	Hopkinton	8/11/2006	CM06NS-01486	2	Saddle Hill Road, CM	5	<i>Coquillettidia perturbans</i>	N/S	
215	Hopkinton	8/11/2006	CM06NS-01487	2	Saddle Hill Road, CM	1	<i>Ochlerotatus triseriatus</i>	N/S	
216	Hopkinton	8/11/2006	CM06NS-01488	2	Wood Street, CM	1	<i>Anopheles punctipennis</i>	N/S	
217	Hopkinton	8/11/2006	CM06NS-01489	2	Wood Street, CM	12	<i>Coquillettidia perturbans</i>	N/S	
218	Hopkinton	8/11/2006	CM06NS-01490	2	Wood Street, CM	1	<i>Ochlerotatus triseriatus</i>	N/S	
219	Hopkinton	8/16/2006	CM06-00709	2	Fruit Street, CM	18	<i>Culex pipiens</i>	Negative	
220	Hopkinton	8/16/2006	CM06-00710	2	Fruit Street, CM	1	<i>Culiseta morsitans</i>	Negative	
221	Hopkinton	8/16/2006	CM06-00711	2	Fruit Street, CM	1	<i>Culiseta melanura</i>	Negative	
222	Hopkinton	8/16/2006	CM06NS-01568	2	Fruit Street, CM	1	<i>Aedes cinereus</i>	N/S	
223	Hopkinton	8/16/2006	CM06NS-01569	2	Fruit Street, CM	10	<i>Aedes vexans</i>	N/S	
224	Hopkinton	8/16/2006	CM06NS-01570	2	Fruit Street, CM	4	<i>Anopheles punctipennis</i>	N/S	

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225	Hopkinton	8/16/2006	CM06NS-01571	2	Fruit Street, CM	48	<i>Coquillettidia perturbans</i>	N/S
226	Hopkinton	8/16/2006	CM06NS-01572	2	Fruit Street, CM		<i>Ochlerotatus canadensis</i>	N/S
227	Hopkinton	8/16/2006	CM06NS-01573	2	Fruit Street, CM		<i>Ochlerotatus cantator</i>	N/S
228	Hopkinton	8/16/2006	CM06NS-01574	2	Fruit Street, CM		<i>Ochlerotatus trivittatus</i>	N/S
229	Hopkinton	8/16/2006	CM06NS-01575	2	Fruit Street, CM	5	<i>Psorophora ferox</i>	N/S
230	Hopkinton	8/18/2006	CM06-00722	2	Saddle Hill Road, CM		<i>Ochlerotatus japonicus</i>	Negative
231	Hopkinton	8/18/2006	CM06-00734	2	Wood Street, CM	10	<i>Culex pipiens/restuans</i>	Negative
232	Hopkinton	8/18/2006	CM06-00735	2	Wood Street, CM		<i>Culiseta melanura</i>	Negative
233	Hopkinton	8/18/2006	CM06NS-01609	2	Wood Street, CM		<i>Aedes vexans</i>	N/S
234	Hopkinton	8/18/2006	CM06NS-01610	2	Wood Street, CM		<i>Anopheles punctipennis</i>	N/S
235	Hopkinton	8/18/2006	CM06NS-01611	2	Wood Street, CM		<i>Anopheles quadrimaculatus</i>	N/S
236	Hopkinton	8/18/2006	CM06NS-01612	2	Wood Street, CM	11	<i>Coquillettidia perturbans</i>	N/S
237	Hopkinton	8/18/2006	CM06NS-01613	2	Wood Street, CM		<i>Ochlerotatus canadensis</i>	N/S
238	Hopkinton	8/18/2006	CM06NS-01614	2	Wood Street, CM		<i>Ochlerotatus japonicus</i>	N/S
239	Hopkinton	8/18/2006	CM06NS-01615	2	Wood Street, CM		<i>Ochlerotatus triseriatus</i>	N/S
240	Hopkinton	8/24/2006	CM06-00799	2	Fruit Street, CM	5	<i>Culex pipiens</i>	Negative
241	Hopkinton	8/24/2006	CM06-00800	2	Fruit Street, CM		<i>Culiseta minnesotae</i>	Negative
242	Hopkinton	8/24/2006	CM06NS-01728	2	Fruit Street, CM		<i>Aedes cinereus</i>	N/S
243	Hopkinton	8/24/2006	CM06NS-01729	2	Fruit Street, CM		<i>Aedes vexans</i>	N/S
244	Hopkinton	8/24/2006	CM06NS-01730	2	Fruit Street, CM		<i>Anopheles punctipennis</i>	N/S
245	Hopkinton	8/24/2006	CM06NS-01731	2	Fruit Street, CM	26	<i>Coquillettidia perturbans</i>	N/S
246	Hopkinton	8/24/2006	CM06NS-01732	2	Fruit Street, CM		<i>Ochlerotatus triseriatus</i>	N/S
247	Hopkinton	8/24/2006	CM06NS-01733	2	Fruit Street, CM		<i>Psorophora ferox</i>	N/S
248	Hopkinton	8/25/2006	CM06-00807	2	Saddle Hill Road, CM	4	<i>Culex pipiens</i>	Negative
249	Hopkinton	8/25/2006	CM06-00808	2	Saddle Hill Road, CM	5	<i>Culiseta melanura</i>	Negative
250	Hopkinton	8/25/2006	CM06-00809	2	Saddle Hill Road, CM	37	<i>Culiseta morsitans</i>	Negative
251	Hopkinton	8/25/2006	CM06-00819	2	Wood Street, CM	7	<i>Culex pipiens/restuans</i>	Negative
252	Hopkinton	8/25/2006	CM06-00820	2	Wood Street, CM	3	<i>Culiseta melanura</i>	Negative
253	Hopkinton	8/25/2006	CM06-00821	2	Wood Street, CM		<i>Culiseta morsitans</i>	Negative
254	Hopkinton	8/25/2006	CM06NS-01741	2	Saddle Hill Road, CM		<i>Anopheles punctipennis</i>	N/S
255	Hopkinton	8/25/2006	CM06NS-01742	2	Saddle Hill Road, CM		<i>Ochlerotatus japonicus</i>	N/S
256	Hopkinton	8/25/2006	CM06NS-01743	2	Saddle Hill Road, CM		<i>Ochlerotatus triseriatus</i>	N/S
257	Hopkinton	8/25/2006	CM06NS-01760	2	Wood Street, CM		<i>Anopheles punctipennis</i>	N/S
258	Hopkinton	8/25/2006	CM06NS-01761	2	Wood Street, CM		<i>Ochlerotatus triseriatus</i>	N/S
259	Hopkinton	8/25/2006	CM06NS-01762	2	Wood Street, CM		<i>Psorophora ferox</i>	N/S
260	Hopkinton	8/31/2006	CM06-00869	2	Fruit Street, CM	8	<i>Culex pipiens</i>	Negative
261	Hopkinton	8/31/2006	CM06-00870	2	Fruit Street, CM		<i>Culiseta melanura</i>	Negative
262	Hopkinton	8/31/2006	CM06NS-01833	2	Fruit Street, CM		<i>Anopheles punctipennis</i>	N/S
263	Hopkinton	8/31/2006	CM06NS-01834	2	Fruit Street, CM	6	<i>Coquillettidia perturbans</i>	N/S
264	Hopkinton	8/31/2006	CM06NS-01835	2	Fruit Street, CM		<i>Ochlerotatus triseriatus</i>	N/S
265	Hopkinton	8/31/2006	CM06NS-01836	2	Fruit Street, CM		<i>Ochlerotatus trivittatus</i>	N/S
266	Hopkinton	8/31/2006	CM06NS-01837	2	Fruit Street, CM		<i>Psorophora ferox</i>	N/S
267	Hopkinton	9/1/2006	CM06-00893	2	Wood Street, CM		<i>Culex pipiens</i>	Negative
268	Hopkinton	9/1/2006	CM06-00898	2	Saddle Hill Road, CM	7	<i>Culiseta morsitans</i>	Negative
269	Hopkinton	9/1/2006	CM06NS-01862	2	Wood Street, CM		<i>Coquillettidia perturbans</i>	N/S

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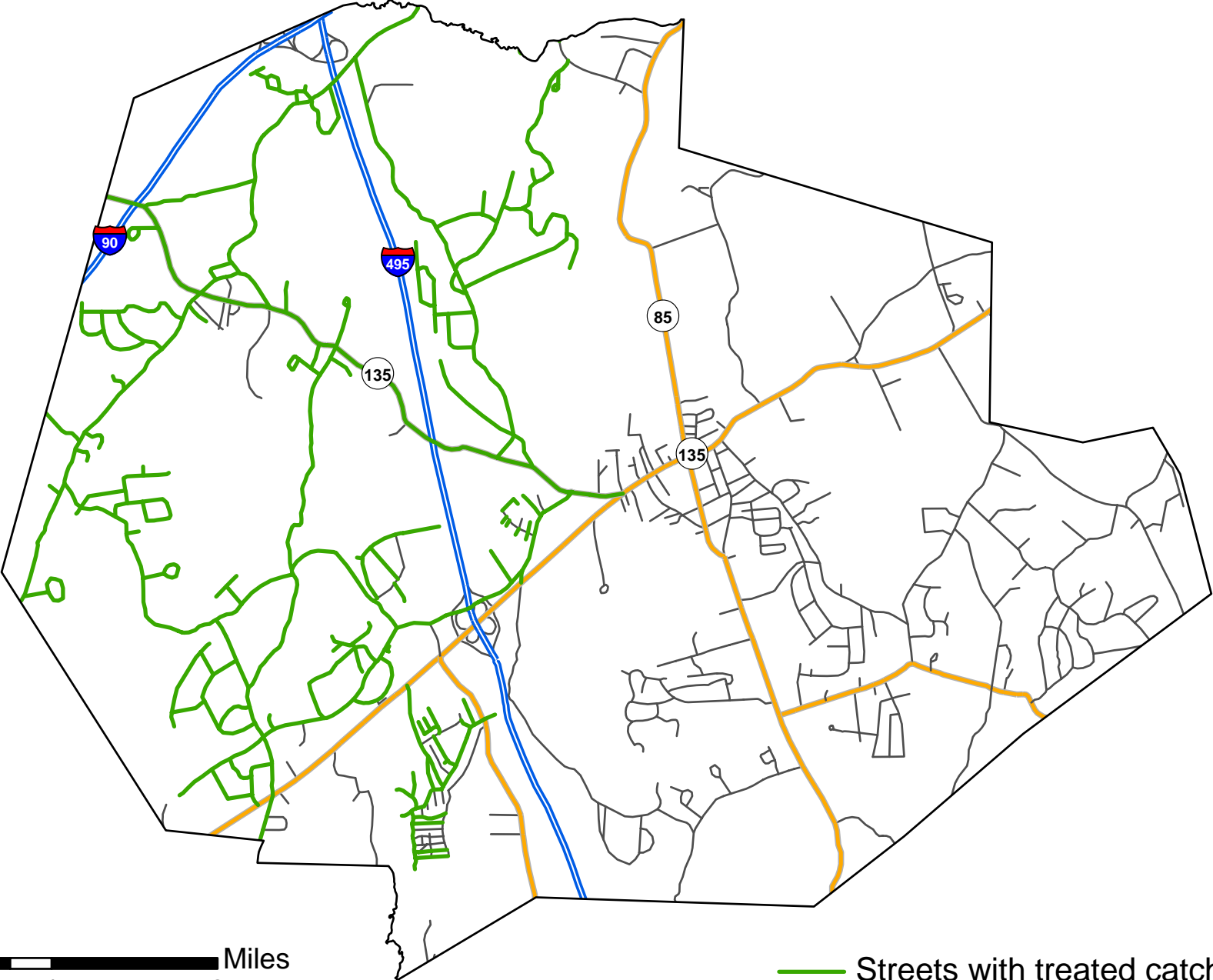
270	Hopkinton	9/1/2006	CM06NS-01863	2	Wood Street, CM	2	<i>Ochlerotatus triseriatus</i>	N/S	
271	Hopkinton	9/1/2006	CM06NS-01864	2	Wood Street, CM	1	<i>Ochlerotatus trivittatus</i>	N/S	
272	Hopkinton	9/1/2006	CM06NS-01870	2	Saddle Hill Road, CM	1	<i>Coquillettidia perturbans</i>	N/S	
273	Hopkinton	9/1/2006	CM06NS-01871	2	Saddle Hill Road, CM	1	<i>Ochlerotatus canadensis</i>	N/S	
274	Hopkinton	9/1/2006	CM06NS-01872	2	Saddle Hill Road, CM	2	<i>Ochlerotatus japonicus</i>	N/S	
275	Hopkinton	9/6/2006	CM06-00906	1	Wood Street, CM	3	<i>Culex pipiens</i>	Negative	
276	Hopkinton	9/6/2006	CM06-00907	1	Wood Street, CM	2	<i>Aedes vexans</i>	Negative	
277	Hopkinton	9/6/2006	CM06-00908	1	Wood Street, CM	3	<i>Anopheles punctipennis</i>	Negative	
278	Hopkinton	9/6/2006	CM06-00909	1	Wood Street, CM	3	<i>Coquillettidia perturbans</i>	Negative	
279	Hopkinton	9/6/2006	CM06NS-01873	1	Wood Street, CM	1	<i>Psorophora ferox</i>	N/S	
280	Hopkinton	9/8/2006	CM06-00962	2	Saddle Hill Road, CM	2	<i>Culex pipiens/restuans</i>	Negative	
281	Hopkinton	9/8/2006	CM06-00963	2	Saddle Hill Road, CM	4	<i>Culiseta melanura</i>	Negative	
282	Hopkinton	9/8/2006	CM06-00964	2	Saddle Hill Road, CM	18	<i>Culiseta morsitans</i>	Negative	
283	Hopkinton	9/8/2006	CM06-00971	2	Fruit Street, CM	1	<i>Culiseta melanura</i>	Negative	
284	Hopkinton	9/8/2006	CM06-00972	2	Fruit Street, CM	1	<i>Culiseta morsitans</i>	Negative	
285	Hopkinton	9/8/2006	CM06NS-01926	2	Saddle Hill Road, CM	1	<i>Coquillettidia perturbans</i>	N/S	
286	Hopkinton	9/8/2006	CM06NS-01927	2	Saddle Hill Road, CM	1	<i>Ochlerotatus japonicus</i>	N/S	
287	Hopkinton	9/8/2006	CM06NS-01933	2	Fruit Street, CM	1	<i>Coquillettidia perturbans</i>	N/S	
288	Hopkinton	9/8/2006	CM06NS-01934	2	Fruit Street, CM	1	<i>Ochlerotatus cantator</i>	N/S	
289	Hopkinton	9/14/2006	CM06-01038	2	Wood Street, CM	2	<i>Culiseta melanura</i>	Negative	
290	Hopkinton	9/14/2006	CM06NS-02014	2	Wood Street, CM	2	<i>Anopheles punctipennis</i>	N/S	
291	Hopkinton	9/14/2006	CM06NS-02015	2	Wood Street, CM	1	<i>Anopheles quadrimaculatus</i>	N/S	
292	Hopkinton	9/14/2006	CM06NS-02016	2	Wood Street, CM	1	<i>Ochlerotatus canadensis</i>	N/S	
293	Hopkinton	9/15/2006	CM06-01039	2	Fruit Street, CM	1	<i>Culex pipiens</i>	Negative	
294	Hopkinton	9/15/2006	CM06-01040	2	Fruit Street, CM	34	<i>Culiseta melanura</i>	Negative	
295	Hopkinton	9/15/2006	CM06-01047	2	Saddle Hill Road, CM	50	<i>Culiseta melanura</i>	Negative	
296	Hopkinton	9/15/2006	CM06-01048	2	Saddle Hill Road, CM	50	<i>Culiseta melanura</i>	Negative	
297	Hopkinton	9/15/2006	CM06-01049	2	Saddle Hill Road, CM	13	<i>Culiseta melanura</i>	Negative	
298	Hopkinton	9/15/2006	CM06-01050	2	Saddle Hill Road, CM	14	<i>Culiseta morsitans</i>	Negative	
299	Hopkinton	9/15/2006	CM06NS-02017	2	Fruit Street, CM	1	<i>Aedes vexans</i>	N/S	
300	Hopkinton	9/15/2006	CM06NS-02018	2	Fruit Street, CM	4	<i>Coquillettidia perturbans</i>	N/S	
301	Hopkinton	9/15/2006	CM06NS-02019	2	Fruit Street, CM	1	<i>Ochlerotatus japonicus</i>	N/S	
302	Hopkinton	9/15/2006	CM06NS-02020	2	Fruit Street, CM	1	<i>Ochlerotatus triseriatus</i>	N/S	
303	Hopkinton	9/15/2006	CM06NS-02021	2	Fruit Street, CM	1	<i>Psorophora ferox</i>	N/S	
304	Hopkinton	9/15/2006	CM06NS-02031	2	Saddle Hill Road, CM	2	<i>Ochlerotatus triseriatus</i>	N/S	
305	Hopkinton	9/21/2006	CM06NS-02179	2	Wood Street, CM	0	<i>Mixed Species</i>	N/S	
306	Hopkinton	9/22/2006	CM06-01173	2	Saddle Hill Road, CM	2	<i>Culiseta morsitans</i>	Negative	
307	Hopkinton	9/22/2006	CM06NS-02177	2	Fruit Street, CM	1	<i>Aedes vexans</i>	N/S	
308	Hopkinton	9/22/2006	CM06NS-02178	2	Fruit Street, CM	1	<i>Anopheles punctipennis</i>	N/S	
309	Hopkinton	9/28/2006	CM06-01231	2	Wood Street, CM	1	<i>Culex salinarius</i>	Negative	
310	Hopkinton	9/28/2006	CM06NS-02231	2	Wood Street, CM	1	<i>Ochlerotatus canadensis</i>	N/S	
311	Hopkinton	9/28/2006	CM06NS-02232	2	Wood Street, CM	1	<i>Ochlerotatus japonicus</i>	N/S	
312	Hopkinton	9/28/2006	CM06NS-02233	2	Wood Street, CM	1	<i>Ochlerotatus triseriatus</i>	N/S	
313	Hopkinton	9/29/2006	CM06-01239	2	Saddle Hill Road, CM	8	<i>Culiseta melanura</i>	Negative	
314	Hopkinton	9/29/2006	CM06-01240	2	Saddle Hill Road, CM	3	<i>Culiseta morsitans</i>	Negative	

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315	Hopkinton	9/29/2006	CM06NS-02254	2	Saddle Hill Road, CM	1	<i>Aedes vexans</i>	N/S	
316	Hopkinton	9/29/2006	CM06NS-02255	2	Saddle Hill Road, CM	1	<i>Anopheles barberi</i>	N/S	
317	Hopkinton	9/29/2006	CM06NS-02256	2	Saddle Hill Road, CM	1	<i>Coquillettidia perturbans</i>	N/S	
318	Hopkinton	9/29/2006	CM06NS-02257	2	Saddle Hill Road, CM	1	<i>Ochlerotatus japonicus</i>	N/S	
319	Hopkinton	9/29/2006	CM06NS-02271	2	Fruit Street, CM	4	<i>Culiseta melanura</i>	N/S	
320	Hopkinton	9/29/2006	CM06NS-02272	2	Fruit Street, CM	3	<i>Aedes vexans</i>	N/S	
321	Hopkinton	9/29/2006	CM06NS-02273	2	Fruit Street, CM	1	<i>Anopheles punctipennis</i>	N/S	
322	Hopkinton	9/29/2006	CM06NS-02274	2	Fruit Street, CM	1	<i>Anopheles walkeri</i>	N/S	
323	Hopkinton	9/29/2006	CM06NS-02275	2	Fruit Street, CM	1	<i>Ochlerotatus cantator</i>	N/S	
			<b>323 collections</b>			<b>4978</b>	<b>mosquitoes collected</b>		
			<b>89 collections submitted</b>			<b>733</b>	<b>submitted for testing</b>		
			<b>NO VIRUS IDENTIFIED IN 2006</b>				<b>N/S= Not Submitted for testing</b>		

# Town of Hopkinton Catch Basin Larvicide Program

2006



— Streets with treated catch basins

## 2006 SUMMARY

The Central Massachusetts Mosquito Control Project (the Project) currently provides its services to 36 cities and towns throughout Middlesex and Worcester Counties. The Project's headquarters is located at 111 Otis Street, Northboro, MA. Tours of the headquarters or visits to field work sites may be arranged by calling the office in advance. Please call (508) 393-3055 during business hours for more information. The Project practices Integrated Mosquito Management (IMM), blending state of the art methods and techniques with expertise, experience, and scientific research to provide our member communities with environmentally sound and cost effective mosquito control.

During 2006 the Project received eight thousand and fifty five (8,455) requests for service from town residents and officials. A total of over six thousand (6,000) pounds of Bti (*Bacillus thuringiensis israelensis*) was applied by helicopter in 2 towns, Chelmsford & Billerica, and five thousand, nine hundred and fifty nine (5,959) pounds by hand throughout our service area were applied to area wetlands to reduce the emergence of adult mosquitoes. This represents over one thousand, one hundred and ninety one (1,191) acres of wetland that was treated with this mosquito-specific bacterium, significantly reducing adult mosquito populations in these areas. Thirty three thousand, nine hundred and eighteen (33,918) catch basins were treated with larvicidal product to control the mosquitoes that seek out these cool dark wet areas to breed, including the *Culex* mosquito, a major target for West Nile Virus transmission. Seven thousand, three hundred and ninety three (7,393) culverts were cleaned in an attempt to eliminate unnecessary standing water and reduce mosquito breeding. This work was done in conjunction with cleaning, clearing, and digging of one hundred and seventy six thousand, one hundred and eighty one (176,181) feet of streams, brooks and ditches. This represents over thirty three (33) miles of waterways which were cleaned and improved by Project personnel in 2006.

The Mosquito Awareness Program which we offer to elementary schools and other civic organizations in our district has become very popular. Project staff meets with students, teachers or concerned residents to discuss mosquito biology, mosquito habitat, and control procedures. Much of the presentation is directed towards what children and their families can do to prevent mosquitoes from breeding around their homes. Slides, videos, coloring books and other handouts make this an interesting program. This program is tailored to meet the needs of the specific audience. Two thousand, two hundred and fifty (2,250) students attended these programs.

As part of our effort to reduce the need for pesticides we continue to expand our wetlands restoration program. By cleaning clogged and overgrown waterways, mosquito breeding can be reduced and drainage areas are restored to historic conditions.

Bti mosquito larvicide is used to treat areas where mosquito larvae are found. We routinely check known breeding sites kept in our database, but also encourage the public to notify us of any areas they suspect could breed mosquitoes. Our field crews will investigate all such requests and treat the area only if surveillance gathered at the time shows an imminent threat of mosquito emergence.

Our goal is to manage all mosquito problems with education, wetlands restoration or larviciding, but we recognize that there are times when adult mosquito spraying is the only viable solution. In such cases specific areas are treated with either hand-held or pickup truck mounted sprayers if surveillance gathered at the time exceeds a pre-determined threshold to warrant an application. This program is offered on a **request-only** basis, and the exclusion process allows residents and/or town officials to exclude areas under their control from this or any part of our program.

The Project's surveillance program monitors adult mosquito and larval population density, and is the backbone for prescribing various control techniques. Specialized mosquito traps are deployed throughout the Project's service area to sample for mosquitoes that may be transmitting mosquito-borne diseases. In conjunction with the Mass. Dept. of Public Health we sample in areas suspected of harboring WNV and other viruses. One thousand, five hundred and twenty eight (1,528) pools (collections) of mosquitoes totaling thirty nine thousand, five hundred and six (39,506) specimens were tested for mosquito-borne viruses this year. One (1) pool of *Cs. morisitans* in Leominster was confirmed to be infected with the EEE virus late in the season. Two (2) pools of West Nile Virus were confirmed, both in Westborough in the *Culex* species. Two (2) human cases were identified with WNV, one in Billerica and one in Webster. No human cases of EEE were identified, and there were no cases of WNV or EEE in horses in our service area.

Educational pamphlets are available to anyone interested in learning about mosquito control and the services provided by the Project, and these items are routinely stocked in member Town/City Halls and libraries. Display boards with information on our program are rotated through area Town Halls throughout the year. We also have a website, [www.cmmcp.org](http://www.cmmcp.org) that has extensive information on mosquito biology, our control procedures, etc. This website has become a model for other Mosquito Projects and has been widely used throughout our service area and beyond.

We would like to thank you for your support during 2006 and we look forward to helping you and your community with its mosquito problems in 2007 and beyond.

