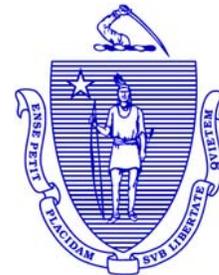


MASSACHUSETTS MOSQUITO CONTROL ANNUAL OPERATIONS REPORT



2008 Year of Report

Date of Report: 3/30/2009

Project/District Name: **East Middlesex Mosquito Control Project**

Address: 11 Sun St.

City/Town: Waltham

Zip: 02453-4101

Phone: 781-899-5730

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Report prepared by: *David Henley*

If you have a mission statement, please include it here: The East Middlesex Mosquito Control Commission (the Commission) represents the interests of the participating communities and their residents in providing guidance and oversight to the East Middlesex Mosquito Control Project (the Project). The Commission strives to ensure that the member communities receive services that are consistent with applicable laws and justified by the tenets of public health, vector control, environmental safety and fiscal responsibility. Integrated mosquito management services provided by the Project and approved by the Commission will be based on the State's Generic Environmental Impact Report on Mosquito Control in Massachusetts, the Massachusetts Arbovirus Surveillance and Response Plan and the policies of the State Reclamation and Mosquito Control Board.

The Project's integrated mosquito management program will consist of mosquito surveillance, larval mosquito control of wetlands and catchbasins, adult mosquito control, wetlands management/ ditch maintenance and public education.

ORGANIZATION SETUP:

Please list your Commissioner's names:

Executive Committee: Lenny Izzo, Chair, Wellesley; Ethan Mascoop, Framingham; Gerard Cody, Lexington; Arnold Weinberg, M.D., Lincoln; and Jennifer Murphy, Winchester. Other members: Christine Connolly, Arlington; John Zupkus, Bedford; Donna Moultrup, Belmont; Patrick Maloney, Brookline; Heidi Porter, Burlington; Wendy Robinson, Cambridge; Anthony Kiszewski, Ph.D., Concord, Christopher Webb, Malden; Gerald Collins, Maynard; Karen Rose, Medford; Ruth Clay, Melrose; John McNally, Newton; Martin Fair, North Reading; Larry Ramdin, Reading; Robert Leupold, Sudbury; Peter Gray, Wakefield; Thomas Creonte, Waltham; Steven Ward, Watertown;

Steven Calichman, Wayland; and Richard Sullivan, Weston.

Please list the Supt./Director's name: David Henley

Please list the Supt./Director's contact phone number: 781-899-5730

Please list your Asst. Supt./Asst. Director's name: Michael Bryant

Do you have a website? Yes

If yes, please list the web address here:
<http://www.town.sudbury.ma.us/services/health/emmcpc>

Please list your staffing levels for the year of this report:

Full time: 5

Part time: 1

Seasonal: 6

Other: (please describe)

Please break these down into the following areas:

Administrative staff: Superintendent and part-time Administrative Assistant

Field staff: Assistant Superintendent, Entomologist, Skilled Equipment Operator - Grade 1, Skilled Equipment Operator - Grade 2, and 6 seasonal catchbasin applicators.

Please check off all that apply, and list employee name(s) next to each category:

Public relations David Henley

Information technology

Entomologist Douglas Bidlack, Ph.D.

Wetland Scientist

Biologist

Education

Laboratory

Operations Full time: Michael Bryant, Christopher Gagnon and Michael Sweder.

Seasonal: Eric Cronin, Thomas Guanci, Charles King, Mathew McKillop, Benjamin Soltoff, Corey Stenquist and Anthony Viola.

Facilities David Henley and Michael Bryant

Other (please list) Administrative: Lorna Rabbitt

For the year of this report, we maintained:

7 vehicles

1 modified wetland equipment (list type) Link Belt 75 track mounted excavator

4 ULV sprayers (list type) 1 Clarke Cougar Smartflow with radar and datamaster 11, 1 Clarke Grizzly and 2 Leco ULVs with CVs.

Larval control equipment (list type)
Other (please be specific):

Comments: _____

How many cities & towns in your service area? 25

Please list: Arlington, Bedford, Belmont, Brookline, Burlington, Cambridge, Concord, Framingham, Lexington, Lincoln, Malden, Maynard, Medford, Melrose, Newton, North Reading, Reading, Sudbury, Wakefield, Waltham, Watertown, Wayland, Wellesley, Weston and Winchester.

***Please attach a link to a map of your service area if possible.**

INTEGRATED PEST MANAGEMENT (IPM):

DEFINITION: a comprehensive strategy of pest control whose major objective is to achieve desired levels of pest control in an environmentally responsible manner by combining multiple pest control measures to reduce the need for reliance on chemical pesticides; more specifically, a combination of pest controls which addresses conditions that support pests and may include, but is not limited to, the use of monitoring techniques to determine immediate and ongoing need for pest control, increased sanitation, physical barrier methods, the use of natural pest enemies and a judicious use of lowest risk pesticides when necessary.

Please check off all of the services that you currently provide to your member cities and towns as part of your IPM program; details of these services are in the next sections.

- Larval mosquito control
- Adult mosquito control
- Source reduction
- Ditch maintenance
- Open Marsh Water Management
- Adult mosquito surveillance
- Education, Outreach & Public education
- Research
- Other (please list): Review of plans for stormwater runoff structures

Comments: On occasion the Project receives requests to review plans for stormwater runoff at developments planned adjacent to wetlands or for underground stormwater retention areas.

LARVAL MOSQUITO CONTROL:

Do you have a larval mosquito suppression program? Yes

If yes, please describe the purpose of this program: Culex larvae are controlled to reduce the number of West Nile virus (WNV) vector mosquitoes. Spring and summer floodwater mosquitoes are controlled to reduce the number of mammal biting mosquitoes and to reduce populations of potential human vectors for EEE.

Please give the time frame for this program: The time frame for Culex larval control is June through mid- September. The time frame for control of spring floodwater mosquito larvae is April and May. The time frame for control of summer floodwater mosquito larvae is June through September.

Describe the areas that this program is used: catchbasins and intermittently flooded wetlands.

Do you use:

Ground applied (includes hand, portable and/or backpack)

Helicopter applications

Other (please list):

Comments: _____

What products do you use in – (please use product name and EPA#)

Wetlands: Vectobac G - EPA #73049-10, Vectobac 12AS - EPA #275-102

Catch basins: Vectolex WSP - EPA #73049-20, Altosid WSP - EPA #2724-448 and Altosid Ingot XR Briquets - EPA #2724-421.

Containers: Vectolex WSP - EPA #73049-20, Altosid WSP - EPA #2724-448 and Vectobac 12AS -EPA #275-102.

Other (please list):

Please list the rates of application for the areas listed above:

Wetlands: Vectobac G was applied by helicopter at a rate of 5 lbs. per acre. Vectobac 12AS was applied by portable sprayer at rates of 8 oz. of Bti per acre and 12 oz. of Bti per acre.

Catch basins: Vectolex WSP and Altosid WSP were applied to catchbasins at the rate of 1 packet per catchbasin. Altosid Ingot XR Briquets were applied at the rate of 1 XR Briquet per catchbasin.

Containers: Vectolex WSP was applied to neglected swimming pools at the rate of 1 pouch per 50 square feet of surface area. Altosid WSP is applied at 1 packet per 135 sq. ft. of surface area. Vectobac 12 AS at 8 oz. per acre is used in rimless tires holding water.

Other:

What is your trigger for larviciding operations? (check all that apply)

Larval dip counts – please list trigger for application: one larvae per ten dips.

- Historical records
 Best professional judgment

Comments: Larval control in wetlands is funded by 24 communities that participate in the Project. Larval control to catchbasins is funded by 18 communities. Larval control in neglected swimming pools is done in cooperation with municipal health departments. Altosid WSP and Altosid Ingot XR Briquets are applied to catchbasins during the month of June as a pre-emergence treatment.

***Please attach a link to maps of treatment areas if possible.**

ADULT MOSQUITO CONTROL:

Do you have an adult mosquito suppression program? Yes

If yes, please describe the purpose of this program: To reduce the number of mammal biting, EEE vector mosquitoes or secondary human vectors for WNV.

Please give the time frame for this program: Late May through September.

Describe the areas that this program is used: suburban residential neighborhoods with a relatively dense network of streets.

Do you use:

- Truck applications**
 Portable applications
 Aerial applications
 Other (please list):

Comments: The adult mosquito control program using Anvil 10+10 is funded by 9 of the communities that participate in the Project. Suspend SC was used in the Town of Reading as a residual spray that was applied as a perimeter spray to vegetated areas surrounding athletic fields during a WNV risk period in September.

Please list the names of the products used with EPA #:

- 1). Anvil 10 + 10 ULV, EPA # 1021-1688-8329
- 2). Suspend SC, EPA #432-763
- 3).
- 4).
- 5).
- 6).

Please list your application rates for each product:

- 1). Anvil 10 + 10 ULV is applied at .0024 lbs. per acre.

- 2). Suspend SC is applied in a dilution rate of 1 fl. oz. per gal.
- 3).
- 4).
- 5).
- 6).

Please describe the maximum amounts or frequency used in a particular time frame such as season and areas

In 2008 the maximum number of times that adult mosquito control occurred in any neighborhood was six applications. In 2008, applications were scheduled with a minimum of two weeks between applications.

What is your trigger for adulticiding operations? (check all that apply)

- Landing rates - please list trigger for application
- Light trap data - please list trigger for application A minimum of 100 - 200 mammal biting mosquitoes in a light trap depending on the average for that site.
- Complaint calls - please list trigger for application
- Arbovirus data
- Best professional judgment

Comments: Scheduling adult mosquito control applications is based on mosquito population data. Complaints are regarded as supplemental data that may influence the shape of the area around the light trap site that is sprayed.

***Please attach a link to maps of treatment areas if possible.**

SOURCE REDUCTION

Do you perform source reduction methods such as tire/container removal? No

If yes, please describe your program:

What time frame during the year is this method employed?

Comments: _____

DITCH MAINTENANCE

Do you have a ditch maintenance program? Yes

Please check all that apply:

- Inland/freshwater
 Saltmarsh

If yes, please describe: Ditch maintenance is done using either a LinkBelt 75 track mounted excavator or with hand tools. The Project has been using the draft Best Management Practices when planning excavator work in freshwater wetlands.

Please check off all that apply INLAND DITCH MAINTENANCE:

- Hand tools**
 Mechanized equipment
 Other (please list):
Comments: _____

Please check off all that apply SALTMARSH DITCH MAINTENANCE:

- Hand cleaning**
 Mechanized cleaning
 Other (please list):
Comments: _____

Please give an estimate of cumulative length of ditches maintained from the list above **INLAND:**

Hand cleaning 3,560 linear feet
Mechanized cleaning 1,573 linear feet
Other (please list):

Comments: _____

Please give an estimate of cumulative length of ditches maintained from the list above **SALTMARSH:**

Hand cleaning
Mechanized cleaning
Other (please list):

What time frame during the year is this method employed?

Comments: _____

***Please attach a link to maps of ditch maintenance areas if possible.**

OPEN MARSH WATER MANAGEMENT

Do you have an OMWM program? No

If yes, please describe:

Please give an estimate of total square feet or acreage:

What time frame during the year is this method employed?

Comments: _____

***Please attach a link to maps of OMWM areas if possible.**

ADULT MOSQUITO SURVEILLANCE

Do you have an adult mosquito surveillance program? Yes

Please list the number (not location) of MDPH traps in your service area: DPH has been routinely setting traps at 3 locations in the district to monitor for WNV.

Please check off all the types of surveillance that apply to your program:

- | | |
|---|---------------------------------|
| <input checked="" type="checkbox"/> Gravid traps | |
| <input type="checkbox"/> Resting boxes | |
| <input type="checkbox"/> CDC light traps | <input type="checkbox"/> Canopy |
| <input checked="" type="checkbox"/> CDC light traps w/CO ₂ | <input type="checkbox"/> Canopy |
| <input type="checkbox"/> ABC light traps | <input type="checkbox"/> Canopy |
| <input type="checkbox"/> ABC light traps w/CO ₂ | <input type="checkbox"/> Canopy |
| <input type="checkbox"/> NJ light traps | <input type="checkbox"/> Canopy |
| <input type="checkbox"/> NJ light traps w/CO ₂ | <input type="checkbox"/> Canopy |

Other (please describe):

Please describe the purpose of this program: The purpose of the program is to measure mammal biting populations and EEE and West Nile virus vector populations. The data is used to evaluate the need for control. Some collections are submitted to MDPH to be tested for EEE and WNV

Do you maintain long-term trap sites in any of your areas? Yes

If yes, please describe how you chose these long-term sites. In most municipalities there are 3 - 5 sites. In municipalities with significant wetland acreage, light trap sites

are located in yards that are in close proximity to major mosquito habitats for spring and summer floodwater mosquitoes, *Cq. perturbans* and *Cs. melanura*. In densely populated areas without significant wetland acreage, gravid trap sites are located in yards or municipal properties with the goal of providing geographic spacing within the community. Light traps and gravid traps are also located near properties of residents who contracted EEE or WNV.

Please check off the species of concern in your service area:

- | | |
|--|---|
| <input type="checkbox"/> <i>Ae. albopictus</i> | <input checked="" type="checkbox"/> <i>Oc. cantator</i> |
| <input checked="" type="checkbox"/> <i>Ae. cinereus</i> | <input checked="" type="checkbox"/> <i>Oc. excrucians</i> |
| <input checked="" type="checkbox"/> <i>Ae. vexans</i> | <input checked="" type="checkbox"/> <i>Oc. fitchii</i> |
| <input checked="" type="checkbox"/> <i>An. punctipennis</i> | <input checked="" type="checkbox"/> <i>Oc. j. japonicus</i> |
| <input checked="" type="checkbox"/> <i>An. quadrimaculatus</i> | <input checked="" type="checkbox"/> <i>Oc. punctor</i> |
| <input checked="" type="checkbox"/> <i>Cq. perturbans</i> | <input type="checkbox"/> <i>Oc. sollicitans</i> |
| <input checked="" type="checkbox"/> <i>Cx. pipiens</i> | <input type="checkbox"/> <i>Oc. stimulans</i> |
| <input checked="" type="checkbox"/> <i>Cx. restuans</i> | <input type="checkbox"/> <i>Oc. taeniorhynchus</i> |
| <input checked="" type="checkbox"/> <i>Cx. salinarius</i> | <input checked="" type="checkbox"/> <i>Oc. triseriatus</i> |
| <input checked="" type="checkbox"/> <i>Cs. melanura</i> | <input checked="" type="checkbox"/> <i>Oc. trivittatus</i> |
| <input checked="" type="checkbox"/> <i>Cs. morsitans</i> | <input checked="" type="checkbox"/> <i>Ps. ferox</i> |
| <input checked="" type="checkbox"/> <i>Oc. abserratus</i> | <input type="checkbox"/> <i>Ur. sapphirina</i> |
| <input checked="" type="checkbox"/> <i>Oc. canadensis</i> | |

Other (please list):

Do you participate in the MDPH Arboviral Surveillance program? Yes

How many pools do you submit weekly on average? 25

Please check off the arboviruses found in your area in the past 5 years:

- West Nile Virus
 Eastern Equine Encephalitis
 Other Please list:

Did the above listed diseases cause human or horse illnesses? Yes

Please explain: In the past 5 years, there have been 8 human WNV cases and 1 EEE horse case. The following provides the breakdown of cases by year and by community.

2008 - 1 WNV case in Cambridge.

2007 - 2 WNV cases in Arlington and Medford.

2006 - 1 WNV case in Arlington.

2005 - 4 WNV cases including 1 in Cambridge, 2 in Newton and 1 in Watertown. One EEE horse case in Concord.

2004 - No human or horse cases.

At what arbovirus risk level did the year begin in your area? (If more than one please list)

WNV: Arlington began the year with moderate risk. The low risk areas included Bedford, Belmont, Brookline, Cambridge, Lexington, Malden, Medford, Melrose, Newton, North Reading, Reading, Wakefield, Waltham, Watertown, Wellesley, Weston and Winchester. The remote risk areas included Burlington, Concord, Framingham, Lincoln, Maynard, Sudbury and Wayland.

EEE: The entire Project area began the year at a remote risk level.

At what arbovirus risk level did the year end in your area? (If more than one please list)

WNV: The high risk areas were Arlington, Belmont, Brookline, Cambridge, Lexington, Malden, Medford, Melrose, Newton, Wakefield, Waltham, Watertown, Wayland, Wellesley, Weston and Winchester. The moderate risk areas included Bedford, Burlington, Concord, Framingham, Lincoln, Maynard, North Reading, Reading and Sudbury.

EEE: The entire Project area finished the year at a remote risk level.

What time frame during the year is this method employed? The Project began submitting mosquito pools to the State Lab on 6/25/08 and ended on 9/30/08.

Comments: _____

***Please attach a link to maps of surveillance areas if possible.**

EDUCATION, OUTREACH & PUBLIC RELATIONS

Do you have an education/public outreach program program? Yes

If yes, please describe: The Project's public education program is designed to develop awareness within the public and the private sectors as to their roles in mosquito control. The Project serves as a resource to residents, municipal officials and the local media on controlling mosquitoes, larval mosquito habitats and mosquito borne diseases.

Please check off all that apply:

- School based program
- Website
- PR brochures/handouts
- Community events

Science fairs

Meeting presentations

Other (please describe): The Project sends out press releases to community and regional newspapers related to aerial Bti applications, ground based adult mosquito control applications, personal protection from mosquitoes and preventative actions that homeowners can take to reduce mosquito development on their property. Notices on the pesticide exclusion process and notices on ground based adult mosquito control are regularly posted on municipal websites. Memos and reports on mosquito control activities, local disease risk and other items of interest are sent to municipal officials of each participating community. The Superintendent attends municipal Board of Health meetings, Finance Committee and Conservation Committee meetings upon request. Project representatives are periodically interviewed by newspaper and television reporters. An episode of the PBS program Curious George that includes Project representatives describing mosquito biology to Newton elementary school students was aired several times in 2008.

Please give an estimate of attendance/participants in this program:

Please list some events you participated in for the year of this report: The Superintendent participated in the WNV Larviciding Training program held at the Boston Public Works Commission and the annual meeting for Brookline municipal workers who participate in catchbasin larviciding. Presentations were made to Boards of Health in Carlisle, Lincoln and Wakefield. The Superintendent made a presentation at a meeting that was intended to introduce mosquito control to the new Commissioner of Agricultural Resources. The EMMCP staff appeared in a televised report on mosquito control in Newton that was done by the Newton local access channel, New TV.

What time frame during the year is this method employed?

Have you performed any research projects, efficacy, bottle assays, etc.? Not at this time

If yes, please elaborate on your research projects:

Are you involved in any collaborations with academia, industry, environmental groups, etc.? Yes

If yes, please elaborate on your collaborations this past year: Several staff members attended a meeting of mosquito control water management specialists. The staff collaborated with SRB, DEP and other MCP staff to develop BMPs for ditch maintenance in freshwater wetlands. The Superintendent began a collaborative effort with other MCP staff and members of the Aquatic Habitat Restoration Partnership to identify common objectives.

Please provide a list of technical reports, white/grey papers, publication in journal or trade magazines, etc.

Does your staff participate in educational opportunities? Yes

If yes, please list the training and education your staff received this year: Five employees attended the Northeastern Mosquito Control Association meeting. The Assistant Superintendent attended a 4 day workshop on streambank restoration. The Superintendent and the Assistant Superintendent attended a training session on mosquito control compliance with the Massachusetts Endangered Species Act.

Please list the certifications and degrees held by your staff: David Henley, Mike Bryant, Chris Gagnon and Mike Sweder are Certified Pesticide Applicators. Chris Gagnon and Mike Sweder have Hoist Operators Licenses. David Henley has a BBA in Management. Mike Bryant has an A.B. in Turf Management . Doug Bidlack has a Ph.D in Entomology, an M.S. in Entomology and Plant Pathology and a B.S in biological sciences. Chris Gagnon has a Bachelor of Science for Wildlife Biology. Mike Sweder has an M.S. in Environmental Health and Safety and a B.S. in Entomology.

Comments: The Project acquired a Panasonic PowerPoint Projector to be used for future educational presentations.

BIOLOGICAL CONTROL EFFORTS

Do you have a biological control program? Yes

If yes, please describe: Bacillus sphaericus used to control Culex mosquitoes in catchbasins and neglected swimming pools is a live bacteria that recycles in the water that supports Culex larvae.

Is this program the introduction of mosquito predators or the enhancement of habitat for native predators? no

Please check off all that apply:

- Predatory fish
- Predatory invertebrates
- Other (please describe): Bacillus sphaericus

What time frame during the year is this method employed? July, August and early September.

Comments: _____

INFORMATION TECHNOLOGY

Does your program use (check all that apply):

- Computers
- GIS mapping
- GPS equipment
- Computer databases
- Aerial Photography
- Other (please describe):

Please describe your capabilities in these areas: Databases are maintained on adult mosquito populations, mosquito habitats, larval mosquito surveys, pesticide usage and ditch maintenance.

Please describe your current GIS abilities: Intermediate

Give details if possible on your GIS abilities: Our aerial contractor uses shape files and AgNav swath guidance software during aerial larval control applications. Data Master was used in a Clarke Cougar aerosol sprayer to record adult mosquito control treatment areas and produce maps of coverage areas. Aerial photography of our district from Mass GIS that includes wetland delineation is the primary mapping layer in our ArcView program. Larval control sites are identified on the ArcView maps. Planning for ditch maintenance also uses the wetlands delineation that is included in the ArcView maps.

Please describe any changes/enhancements in this area from the previous year: The Project acquired a Cougar Smart Flow aerosol sprayer equipped with radar that uses Datamaster that provides GIS maps of treatment areas. The Project hired a contractor to add our laptop computer into the computer network in the office and to network all three computers to a new network printer/ copier. In January 2008 Verizon FiOS became the Project's internet service provider replacing an RCN dialup service.

Comments: _____

REVENUES & EXPENDITURES

Please give a concise statement of revenues & expenditures for the prior fiscal year ending June 30.

FY 2008 regular and supplemental appropriations received: \$569,751
FY 2008 expenditures: \$588,718.35

Comments: The Project received funding totaling \$52,405 from the State Reclamation & Mosquito Control Board that was used to purchase larvicides, an aerosol sprayer equipped with data recording technology and a pickup truck.

PESTICIDE USAGE

Please total your pesticide usage with information from your Mass. Pesticide Use Report, WNV Larvicide Use records and contracted pesticide applications. Applications methods include; hand/backpack, aerial, ULV, mistblower, other (please explain)

Product Name: Vectobac G
EPA Reg. #: 73049-10
Application method: aerial
Targeted life stage: Larvae
Total amount of concentrate applied: 12,955 lbs.
Comments: _____

Product Name: Vectobac 12AS
EPA Reg. #: 275-102
Application method: portable hand held sprayer
Targeted life stage: Larvae
Total amount of concentrate applied: 31 gals.
Comments: _____

Product Name: Vectolex WSP
EPA Reg. #: 2724-448
Application method: hand applied
Targeted life stage: Larvae
Total amount of concentrate applied: 490 lbs.
Comments: _____

Product Name: Altosid WSP
EPA Reg. #: 2724-448
Application method: hand applied
Targeted life stage: Larvae
Total amount of concentrate applied: 501 lbs.
Comments: _____

Product Name: Altosid Ingot XR Briquets
EPA Reg. #: 2724-421
Application method: hand applied
Targeted life stage: Larvae
Total amount of concentrate applied: 464 lbs.
Comments: _____

Product Name: Anvil 10 + 10
EPA Reg. #: 1021-1688-8329
Application method: truck mounted aerosol sprayer
Targeted life stage: Adult
Total amount of concentrate applied: 135 gallons
Comments: _____

Product Name: Suspend SC
EPA Reg. #: 432-763
Application method: truck mounted mist sprayer
Targeted life stage: Adult
Total amount of concentrate applied: 10 fl. oz.
Comments: _____

Product Name:
EPA Reg. #:
Application method:
Targeted life stage: Choose one
Total amount of concentrate applied:
Comments: _____

Product Name:
EPA Reg. #:
Application method:
Targeted life stage: Choose one
Total amount of concentrate applied:
Comments: _____

LARGE AREA EXCLUSIONS

Do you have large areas of pesticide exclusion, such as estimated or priority habitats?
Yes

If yes, please explain, and attach maps or a weblink if possible. Great Meadows National Wildlife Refuge and the Assabet River National Wildlife Refuge manage large tracts of wetland acreage in Bedford, Concord, Lincoln, Maynard, Sudbury and Wayland that is excluded from larval and adult mosquito control pesticide applications except when a permit is issued during periods of imminent risk from mosquito borne diseases. The Sudbury Valley Trustees, a private land trust that owns wetlands in Concord, Framingham, Sudbury and Wayland has excluded their property, which includes significant wetland acreage, from pesticide applications.

Assabet River National Wildlife Refuge map:
<http://www.fws.gov/northeast/assabetriver/pdf/may07maphandout.pdf>
Great Meadows National Wildlife Refuge map:
<http://www.fws.gov/northeast/greatmeadows/greatmeadows.pdf>

Sudbury Valley Trustees trail maps:
<http://www.sudburyvalleytrustees.org/maps>

SPECIAL PROJECTS

Do you perform any inspectional services such as inspections at sewage treatment facilities or review sub division plans? Yes

If yes, please elaborate Subdivision plans are occasionally sent by municipal officials for review and comment. Reviews have been requested for stormwater systems, stormwater runoff into wetlands and detention ponds.

Do you work with DPW departments or other local or state officials to address stormwater systems, clogged culverts or other areas that you have identified as man-made mosquito problem areas? Yes

If yes, please elaborate: Municipal officials have requested that we remove excessive sedimentation that is obstructing ditches and culverts.

Have you worked with these departments on long term solutions? No

If yes, please elaborate:

CHILDREN AND FAMILIES PROTECTION ACT

Is your program impacted by the Children and Families Protection Act? Yes

If yes, please explain: Per the provisions of the Act, the Project excludes schools, day care centers and school age child care programs from mosquito control pesticide applications unless the prerequisites for spraying are fulfilled

If you have data on compliance with this Act and your program, please list here: In September 2008 Austin Prep and Reading High School fulfilled the requirements of the Act and a perimeter spray of Suspend SC was done at their athletic fields.

If you had difficulties with implementation of your program due to this law, please elaborate here:

Comments:

GENERAL COMMENTS

Please list any comments not covered in this report: _____