MASSACHUSETTS MOSQUITO CONTROL

ANNUAL OPERATIONS REPORT

Year Report Covers: 2022 Date of Report: 1/17/2023

Project/District Name: East Middlesex Mosquito Control Project

Address: 11 Sun St.

City/Town: Waltham Zip: 02453

Phone: 781-899-5730 Fax:

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Report prepared by: Brian Farless

NPDES permit no. MAG87A020

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 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.

ORGANIZATION SETUP:

Commissioner names:

<u>FY22 Executive Committee: Lenny Izzo, Chair, representing Wellesley; Heidi Porter, Bedford;</u> Wesley Chin, Belmont; Roland Lankah, Brookline; Christine Mathis, Burlington

FY23 Executive Committee: Lenny Izzo, Chair, representing Wellesley; Christine Mathis, Burlington; Wendy Robinson, Cambridge; Tony Kiszewski, Concord

Other Commissioners or town representatives include the following: Natasha Waden,
Arlington; Heidi Porter, Bedford; Wesley Chin, Belmont; Roland Lankah, Brookline; Sabrina
Firicano/Carlo DeMaria, Everett; Health Department Representative, Framingham; Joanne
Belanger, Lexington; Health Department Representative, Lincoln; Chris Webb, Malden; John
Robertson/Ivan Kwagala, Maynard; MaryAnn O'Connor, Medford; Anthony Chui, Melrose and
Wakefield; Kyle Simpson, Newton; Bob Bracey, North Reading; Ade Solarin, Reading; William

Murphy, Sudbury; Tom Creonte, Waltham; Larry Ramdin, Watertown; Julia Junghanns,	
Wayland; Rich Sullivan, Weston and Jennifer Murphy, Winchester.	

Superintendent/Director name: Brian Farless

Superintendent/Director contact phone number: 781-899-5730

Asst. Superintendent/Director name: Chris Gagnon

District/Project website: http://sudbury.ma.us/emmcp/

Twitter handle: @

Facebook page: http://www.facebook.com/

Staffing levels for the year of this report:

Full time: 4 Part time: Seasonal: 4

Other: in addition to the above, two full time and one part-time administrative workers share their time between Suffolk County Mosquito Control and East Middlesex Mosquito Control

(please describe)

Of the above, how many are: (Please check off all that apply, and list employee name(s) next to each category)
 Administrative Brian Farless, Dave Henley, Katherine Swan Biologist Educator Entomologist Doug Bidlack, Ph.D. Facilities Brian Farless, Chris Gagnon, Cam Kelley, Peter Mirata Information technology Laboratory Doug Bidlack Operations Doug Bidlack, Brian Farless, Chris Gagnon, August Hammill, Cam Kelley, Peter Mirata, Konrad Musialowski, Allison Rittweger, Rex Schrader Public relations Doug Bidlack, Brian Farless, Chris Gagnon, Katherine Swan Wetland scientist Other (please describe)
For the year of this report, the following were maintained (enter number in the column to the left):
 Modified wetland equipment (list type) 2006 Linkbelt 75 Spin Ace track mounted excavator Larval control equipment (list type) backpack pump sprayers ULV sprayers (list type) Clarke Cougar Smartflow with radar Vehicles Other (please be specific): Stihl backpack mistblower
Comments:
How many cities and towns are in your service area?* 26 Alphabetical list: Arlington, Bedford, Belmont, Brookline, Burlington, Cambridge, Concord, Everett, Framingham, Lexington, Lincoln, Malden, Maynard, Medford, Melrose, Newton, North Reading, Reading, Sudbury, Wakefield, Waltham, Watertown, Wayland, Wellesley, Weston, Winchester
Were there any changes to your service area this year? Yes Cities/towns added: Stoneham was approved by the SRMCB on 12/1/2022 Cities/towns removed:
*Please attach a map of your service area (or a website link to that map).
INTEGRATED PEST MANAGEMENT (IPM):
Check off all services that your district/project currently provides to member cities and towns as part of an IPM program (details will be provided in the sections below):
 ✓ Adult mosquito control ✓ Adult mosquito surveillance ✓ Ditch maintenance ✓ Education, Outreach & Public education

 ∠ Larval mosquito control ∠ Larval mosquito surveillance ☐ Open Marsh Water Management ∠ Research ∠ Source reduction (tire removals) ☐ Other (please list):
Comments:
LARVAL MOSQUITO CONTROL: If you have a larval mosquito control program, please fill out the section below, else skip ahead to the next section.
Describe the purpose of this program: This program is focused on controlling larvae of spring floodwater species, summer floodwater species and artificial container species. Spring floodwater species are controlled because they are aggressive mammal biting species that are active during the late spring and early summer, when residents are frequently involved in outdoor activities. The mosquito species Culiseta melanura amplifies EEE within the bird population. Culiseta melanura mosquito populations are reduced as a result of spring larvicide applications. Summer floodwater species are controlled because they are aggressive mammal biting species, some of which are vectors of EEE. Culex pipiens/restuans species are controlled because they are the primary vectors for West Nile virus in Massachusetts. They are found in catch basins and other artificial water holding containers, as well as in freshwater wetland habitat.
What months is this program active? Spring floodwater mosquito larvae are controlled from late March through May. Summer floodwater mosquito larvae are controlled from late May through September. Culex mosquito larvae are controlled from May through September.
Describe the types of areas where you use this program: Intermittently flooded wetlands, stormwater detention basins, catch basins, neglected swimming pools and other water holding containers.
Do you use: Ground application (hand, portable and/or backpack, etc.) Aerial applications

Other (please list):
Comments: _____

List all products that you use for larval mosquito control in the table below (leave blank if not applicable):

Product Name	EPA#	Application	Application	Targeted life	Habitat Type	Total finished
		Rate(s)	Method	stage		product applied
Vectolex WSP	73049-20	1 pouch (10 grams) per catch basin or similar water holding container	hand applied	Larvae	□ Catch basins □ Containers □ Wetland □ Other (please list):	1056.02 pounds
Altosid Pellets WSP	2724-448	1 pouch (7 grams) per catch basin or similar water holding container	hand applied	Larvae	□ Catch basins □ Containers □ Wetland □ Other (please list):	349.22 pounds
VectoBac WDG	73049-56	2 ounces per acre	hand applied	Larvae	☐ Catch basins ☐ Containers ☐ Wetland ☐ Other (please list):	4.375 pounds
MetaLarv XRP	73049-475	18 grams per catch basin or similar water holding container	hand applied	Larvae	□ Catch basins □ Containers □ Wetland □ Other (please list):	364.81 pounds
VectoLex FG	73049-20	5-20 lbs per acre, 10 grams per basin	hand applied, motorized blower	Larvae	□ Catch basins □ Containers □ Wetland □ Other (please list):	698.17 pounds
Altosid XR Briquets, Ingot design	2724-421	1 briquet/100 sq. ft.	hand applied	Larvae	Catch basins Containers Wetland Other (please list):	144.82 pounds

Fourstar Briquet, 83362-3 90 day	1 briquet/100 hand applied sq. ft.	Larvae Catch basins Containers Wetland Other (please list):	105.80 pounds
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List all products that you use for larval mosquito control in the table below (leave blank if not applicable):

Product Name	EPA#	Application	Application	Targeted life	Habitat Type	Total finished
		Rate(s)	Method	stage		product applied
				Choose one	Catch basins Containers Wetland Other (please list):	
				Choose one	Catch basins Containers Wetland Other (please list):	
				Choose one	☐ Catch basins ☐ Containers ☐ Wetland ☐ Other (please list):	
				Choose one	Catch basins Containers Wetland Other (please list):	
				Choose one	☐ Catch basins ☐ Containers ☐ Wetland ☐ Other (please list):	
				Choose one	Catch basins Containers Wetland Other (please list):	
				Choose one	☐ Catch basins ☐ Containers ☐ Wetland ☐ Other (please list):	

What is your trigger for larviciding operations? (check all that apply) Best professional judgment Historical records Larval dip counts – please list trigger for application: 3 larvae per 10 samples Other (please describe): Comments:
Please attach a map of your service area (or a website link to that map). sudbury.ma.us/emmcp/
ADULT MOSQUITO CONTROL:
If you have a larval mosquito control program, please fill out the section below, else skip ahead to the next section.
Describe the purpose of this program: To reduce the number of mammal biting mosquitoes and EEE/WNV vector species.
What is the time frame for this program? May through September
Describe the types of areas where you use this program: Truck mounted ULV sprayers are used in suburban residential neighborhoods with a relatively dense configuration of streets. A backpack mistblower is used in areas with high mosquito populations and/or in areas with an elevated disease risk.
Do you use: Aerial applications Portable applications Truck applications Other (please list): Comments:

For each product used, please list the name, EPA #, and application rate(s):

Product Name	EPA#	Application	Application	Total finished
		Rate(s)	Method	product applied
Zenivex E4	2724-807	0.00175 - 0.0070	ULV truck sprayer	58.64 gallons
		pounds per		
		acre		
Suspend	432-1514	0.25-1.5	backpack	6.75 ounces
Polyzone		ounce per	mistblower	
		1,000 square		
		fee		

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

All labels are followed.

As found on the Zenivex E4 label - Do not spray more than 0.18 lbs etofenprox per acre per site per year. Do not make more than 25 applications per site per year. More frequent treatments may be made to prevent or control a threat to public and/ or animal health determined by a state, tribal, or local health or vector control agency on the basis of documented evidence of disease-causing agents in vector mosquitoes or the occurance of mosquito-borne disease in animal or human populations, or if specifically approved by the state or tribe during a natural disaster recovery effort.

As found on the Suspend Polyzone label - Treatments may be applied at 21-day intervals or as necessary to maintain adequate control.

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

Arbovirus data
Best professional judgment
Complaint calls (Describe trigger for application:
Landing rates (Describe trigger for application)
Light trap data (Describe trigger for application at least 200 mosquitoes found in a trap from
one night)
Comments:
comments.
Please attach a map of your service area (or a website link to that map). sudbury.ma.us/emmcp/
SOURCE REDUCTION (Tire Removals)
If you practice source reduction methods, such as tire removal, please fill out the section below, else skip ahead to the next section.
Please describe your program:
What time frame during the year is this method employed?
Comments:
WATER MANAGEMENT/DITCH MAINTENANCE
If you have a water management or ditch maintenance program, please fill out the section below, else skip ahead
to the next section.
Please check all that apply:
Inland/freshwater
Saltmarsh

Please describe your program: Ditch maintenance is done using either a LinkBelt 75 Spin Ace track mounted excavator or hand tools. When planning ditch maintenance activities, protocols are followed that are contained in the Massachusetts Best Management Practices and Guidance for Freshwater Mosquito Control.

Maintenance Type	Estimate of cumulative length of culverts, ditches,
Cultivant also ning	swales, etc. maintained (ft)
Culvert cleaning	24.705 fact
Hand cleaning	34,785 feet
Mechanized cleaning	
Stream flow improvement	
Other (please list):	
For saltmarsh ditch maintenance, check of	
Maintenance Type	Estimate of cumulative length of ditches maintained (ft)
Hand cleaning	
Mechanized cleaning	
Other (please list):	
March. Comments: Please attach a map of ditch maintenance sudbury.ma.us/emmcp/	areas (or a website link to that map).
OPEN MARSH WATER MANAGEMENT If you have an Open Marsh Water Management pro- next section.	gram, please fill out the section below, else skip ahead to the
Describe the purpose of this program:	
What months is this program active?	
Please give an estimate of total square feet	or acreage:
	or doi edge.

Please attach a map of OMWM areas (or a website link to that map).

MONITORING (Measures of Efficacy)

Describe monitoring efforts for each of the following:

Aerial Larvicide – wetlands: Pre-application and post-application larval surveys are conducted. Helicopters apply larvicide to wetlands containing mosquito larvae. GIS maps of targeted wetlands are prepared prior to the application and then converted for use for the helicopter's navigation system.

Ground ULV Adulticide: Pre-application adult mosquito surveys using CDC light traps are done to determine whether control is needed. Post-application surveys using CDC light traps are conducted to determine if additional ground ULV adulticiding is needed.

Larvicide – catch basins: Pre-application larval surveys are done in June to determine the appropriate time to begin using Bacillus sphaericus. Random pre-application and post-application surveys are undertaken during July, August and September to monitor Culex larval populations and to determine the efficacy of Bacillus sphaericus applications. Random monitoring of paint marks on catch basins left by catch basin applicators are conducted to evaluate the coverage in neighborhoods where larvicide applications have been completed.

Larvicide-hand/small area Pre-application larval surveys are conducted prior to each application. Random post-application surveys are conducted to monitor efficacy.

Open Marsh Water Management:

Source Reduction:

Other (please list):

Provide or list standard steps, criterion, or protocols regarding the documentation of efficacy (pre and post data), and resistance testing (if any):

For aerial larval control, pre and post-application larval dip counts are undertaken with a minimum of 30 dips per site. In addition, the applicator is supplied with ArcMap GIS maps of targeted wetlands that are used in the applicator's navigation systems. The geographical data recorded during the application are reviewed following the application to evaluate the coverage of treated areas. Catch basin water is sampled during early summer to determine when the presence of Culex larvae becomes common. Two water samples are taken at each sampled catch basin. Catch basin larvicide applicators are required to mark each catch basin with water soluble marking paint when larvicide is applied. Monitoring of paint marks left on catch basin grates is conducted to evaluate coverage. Random post application sampling is conducted to determine the efficacy of Bacillus sphaericus applications. For small area wetland larval control, applicators are required to find 3 larvae per 10 dips before a larvicide can be applied. Post-application surveys are carried out at random. Before adult mosquito control is scheduled in any area, CO2 baited CDC light traps are used to monitor mosquito populations in that area. A minimum of 200 mammal biting mosquitoes must be collected at a trap site before spraying will be scheduled.

Check the boxes below, indicating if your program has performed any of the following:

Research Project	Details
Bottle assays	
Efficacy testing	
Other:	
Other:	

ADULT MOSQUITO SURVEILLANCE

If you have an adult mosquito surveillance program, please fill out the section below, else skip ahead to the next section.

Describe the purpose of this program: Measure populations of mammal biting species and populations of species considered enzootic or bridge vectors for WNV and EEE. The data is used to evaluate the need for further control. As funding is available, Culex species, Culiseta melanura, Coquillettidia perturbans and other potential human bridge vector species are submitted to DPH for virus testing. Municipalities are notified as EEE/WNV positive mosquitoes are found. The Project also uses ovitraps to monitor for the presence of Aedes albopictus.

What months is this program active? May through October

Check off all trap types used this past season by your program:

Trap Type	Canopy?	Number of traps
	(check box for yes)	(leave blank if zero)
ABC light trap		
☐ ABC light trap w/CO ₂		
CDC light trap		
CDC light trap w/CO ₂		143
Gravid trap		124
Landing rate test		
NJ light trap		
NJ light trap w/CO₂		
○ Ovitrap		5 locations trapped for 12
		weeks, 2 traps per location
Resting box		
Other (please describe):		
Other (please describe):		
Other (please describe):		

Do you maintain long-term trap sites in any of your areas? Yes If yes, how many:

There are 3 to 5 trap sites in most municipalities. In municipalities with significant wetland acreage, light trap sites are situated in locations that are in close proximity to major mosquito habitats for spring and summer floodwater mosquitoes. In densely populated areas, gravid

traps are placed in locations with the goal of providing geographic spacing within the community.

community.					
Please check off Ae. albopict Ae. cinereus Ae. vexans An. punctipe An. quadrim Cq. perturbo Cx. pipiens Cx. restuans Cx. salinariu Cs. melanuro Cs. morsitan Others (please) Number of adul Number of oviti	ennis vaculatus vas vas vas vas vas vas elist): Oc. thibaulti vas mosquitoes collected vas mosquito pools collected vap collections this seas	this season (whethered this season (suon, if any: 60	c. absec. cancec. cantec. j. japec. sollicec. taencec. trisec. trivits. ferox	oonicus citans iorhynchus riatus ctatus hirina	•
Any other trap	collections of note (plea	ise describe):			
Total number of How many pool Number of trap	ate in the MDPH Arbovi f adult mosquito pools s s do you submit weekly s in your service area p l g-term trap sites or sup	submitted to DPH on average? 9.42	this pa	st season: 179	
Which arbovirus	ses were found in your	area during the pr	evious	mosquito seas	on? Enter the
Which arboviruses were found in your area during the previous mosquito season? Enter the number of pools/cases below:					
Arbovirus	-,	Positive Mosquito	Pools	Equine Cases	Human Cases
Eastern Equ	ine Encephalitis (EEE)				
West Nile Vi	rus (WNV)	5			4
Other (please list):					
	rus listed below, please season (if more than on		in you	r project area a	t both the start
Arbovirus	Start of Season			l of Season	
EEE	remote			note, low	
WNV	low			, moderate, hi	 zh
	iow, moderate, mgm			o	
Comments:					

EDUCATION, OUTREACH & PUBLIC RELATIONS

If you have an education/outreach program, please fill out the section below, else skip ahead to the next section.

Describe the purpose of this program: The Project's public education program is designed to develop awareness within the public and 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.

What time frame during the year is this method employed? Year round

Check off all education/outreach methods that were performed by your program this year:
Development/distribution of brochures, handouts, etc.
Door-to-door canvassing (door hangers, speaking to property owners, etc.)
Facebook page, Twitter, or other social media
Mailings (Describe target audience(s):
Media outreach (interviews for print or online media sources, press releases, etc.)
Presentations at meetings
School-based programs, science fairs, etc.
Tabling at events (local events, annual meetings, etc.)
Website
Other (please describe): Information is provided to health departments and they provide
education materials to their residents
Estimate the audience reached this year using the education/outreach methods above:
Comments:
List your program's top 3 education/outreach activities for this year:
1. Coordinate with municipal officials to post notices on City/ Town List Servers and
City/Town websites to notify residents, municipal departments and local media of
planned helicopter Bti larval control applications, the pesticide exclusion process and
planned neighborhood truck mounted adult mosquito control activities.
2. Phone calls/emails from residents and town officials.
3. <u>Presentations for member communities.</u>
Were you involved in any collaborations with the following partners this year? Provide details
below, including a list of technical reports, white/grey papers, journal publications, trade
magazine articles, etc:
Academia
Another mosquito control district/project The Project shared administration with the
Suffolk County Mosquito Control Project.
Another state agency (DCR, DPH, etc.) The Project collaborated with DPH to monitor for
Aedes albopictus by submitting mosquito eggs collected from ovitraps.
Environmental groups
Industry

List any training/education your staff received this year: Doug Bidlack, Brian Farless, Chris Gagnon, Dave Henley, Cameron Kelley, Peter Mirata, Katherine Swan took the following online classes: Workplace Violence Prevention, Domestic Violence/Sexual Assault and Stalking Awareness, Preventing Workplace Harassment, Conflict of Interest, Cybersecurity Awareness, Unconscious Bias, Diversity Awareness, and Disability Awareness. Brian Farless, Michael Radley and Sean Wilson atteneded the Northeastern Mosquito Control Association Conference. August Hammill took a mosquito identification course. Doug Bidlack, Brian Farless, Chris Gagnon, Cameron Kelley and Peter Mirata attended the Northeastern Mosquito Control Association conference.

Please list the certifications and degrees held by your staff: Chris Gagnon is a Certified Pesticide Applicator. Brian Farless, Cameron Kelley, Peter Mirata, Konrad Musialowski, Allison Rittweger and August Hammill are Licensed Pesticide Applicators. Rex Schrader is a Permitted Catch Basin Applicator. Chris Gagnon has a 2A/1C Hoist Operator's License. David Henley has a B.B.A. in 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 B.S. in Wildlife Biology. Brian Farless has a B.S. in Communications. Cam Kelley has a B.S. in Criminal Justice. Konrad Musialowski has a B.S. in Community Health. Allison Rittweger has a B.A. in Italian/Spanish World Languages and Cultures. August Hammill has a B.S. in Biology.

Comments:

INFORMATION TECHNOLOGY (IT)							
Does your program use (check all that apply):							
Aerial Photography							
\times Databases							
Dataloggers (monitoring for temperature, etc.)							
GIS mapping (Describe:							
GPS equipment							
Smartphones							
Tablets/Toughbooks							
Other (please describe):							
Describe any changes/enhancements in IT fr	om the previous year:						
besonde any changes, emianeements in it from the previous year.							
Describe any difficulties your program had with IT software/equipment this year:							
bescribe any anneaties your program had with it software, equipment this year.							
Comments:							
<u></u>							
REVENUES & EXPENDITURES							
Please enter your approved budgets for the current, previous, and future fiscal years.							
Date of Fiscal Approved Budget	Notes						

Previous	FY22	833,587.94	
Current	FY23	838,786.61	
Future			

List each member municipality, along with the corresponding (cherry sheet) funding assessment dollar amount, for the current fiscal year (or provide a web link to this information): The following are the approved appropriations for FY2023 from the cities and towns of the East Middlesex Mosquito Control District: Arlington - \$35,400, Bedford - 42,042, Belmont - 20,500, Brookline - 14,367, Burlington - 45,743, Cambridge - 55,103, Concord - 21,000, Everett - 20,000, Framingham - 60,526, Lexington - 30,469, Lincoln - 10,777, Malden - 21,603, Maynard - 14,016, Medford - 25,224, Melrose - 18,791, Newton - 51,529, North Reading - 50,513, Reading - 44,050, Sudbury - 55,620, Wakefield - 29,933, Waltham - 37,688, Watertown - 20,307, Wayland - 27,778.63, Wellesley - 21,864.98, Weston - 45,918, Winchester - 18,024

Comments:	
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SERVICE REQUESTS

How many service requests did you receive this season? 61 How many were for larviciding? 36 How many were for adulticiding? 48

Was this an increase or decrease over last season? Decrease

Comments: The East Middlesex Mosquito Control Project will respond to residents who request that an adjacent or nearby wetland be checked for mosquito larvae, or to investigate obstructions in waterways. Decisions on adult mosquito spraying are based on mosquito and arbovirus surveillance data.

EXCLUSIONS

How many exclusion requests did you receive this season? 218

Was this an increase or decrease over last season? Decrease

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

If yes, please explain, and attach maps or a web link if possible. Great Meadows National Wildlife Refuge and the Assabet River National Wildlife Refuge manage wetland acreage in Bedford, Concord, Lincoln, Maynard, Sudbury and Wayland that they exclude from larval and adult mosquito control pesticide applications. They will only permit control when the Refuge Manager determines that there is an imminent local risk for mosquito borne disease. The Sudbury Valley Trustees, a private land trust, owns wetlands in Concord, Framingham, Sudbury and Wayland, and has excluded their properties from larval and adult mosquito control pesticide applications.

Assabet River National Wildlife Refuge, topo map: www.farnwr.org/maps1.html Great Meadows National Wildlife Refuge, map: www.fws.gov/refuge/great_meadows/map.html Sudbury Valley Trustees, trail maps: http://www.sudburyvalleytrustees.org/maps

SPE

SPECIAL PROJECTS
Did your program perform any of the following special projects? Check all that apply.
 Inspectional services (inspections at sewage treatment facilities, review of subdivision plans, etc.)
Describe: Project works with Inspectional Services to identify and remove mosquito habitat. Source reduction prevents mosquitoes from developing.
 Work with DPW departments or other local or state officials to address stormwater systems, clogged culverts, or other areas identified as man-made mosquito problem areas
Describe: The Project works with local DPW officials and Conservation Administrators to identify waterways and culverts that need to be cleared of sand and debris. Cleaning waterways and culverts allows water to flow as it was originally intended, and in turn helps reduce mosquito habitat. The Project coordinated catch basin larvicide applications with local public works departments so as not to conflict with catch basin cleaning.
Work with groups as described above on long term solutions?
Describe:
 Conduct or participate in any cooperative research or restoration projects? Describe:
 Participate in any state/regional/national workgroups or panels, or attend any meeting pertaining to the above?
Describe:
 Work on any biological control projects, such as enhancement of habitat for native predators, release of predatory fish or invertebrates, etc.?
Describe:

CHILDREN AND FAMILIES PROTECTION ACT (CFPA)

Is your program impacted by the CFPA? Yes

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

If you have data on compliance rates with the CFPA within your program area, please list here:

Describe any difficulties you have had with the implementation of your program due to the CFPA, please elaborate here:

Comments:

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT PROGRAM

Did your program report any adverse incidents during this reporting period? No

If yes, please list any corrective actions here: _____

GENERAL COMMENTS

Please add any comments here for topics not covered elsewhere in this report: _____