

# One Hundred Sixty Second Annual Report



Fiscal Year July 1, 2010 – June 30, 2011  
Clinton, Massachusetts

Town of Clinton, Massachusetts  
Incorporated 1850

Population (Federal Census of 2000)	13,435
Number of Registered Voters	8,724

*Our Representative in the Congress of the United States*

Honorable James P. McGovern  
34 Mechanic Street  
Worcester, Massachusetts 01608  
Third Congressional District

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*United States Senators*

Honorable John F. Kerry  
One Bowdoin Square – 10<sup>TH</sup> Floor  
Boston, Massachusetts 02114

Honorable Scott P. Brown  
2400 John F. Kennedy Federal Building  
15 New Sudbury Street  
Boston, Massachusetts 02203

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*Representatives in the General Court of Massachusetts*

Harold P. Naughton, Jr.  
13 Haskell Avenue  
Clinton, Massachusetts 01510  
Representative 12<sup>TH</sup> Worcester District

Harriette L. Chandler  
97 Aylesbury Road  
Worcester, Massachusetts 01609  
Senator First Worcester District

Jennifer L. Flanagan  
24 Church Street  
Leominster, Massachusetts 01453  
Senator Worcester & Middlesex District

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*Our Governor's Councilor*

Jennie L. Caissie  
53 Fort Hill Road  
Oxford, Massachusetts 01540  
7<sup>TH</sup> Councilor District

To The Honorable Board of Selectmen:

I herewith submit my annual report as Town Clerk for the Town of Clinton for the year January 2011-December 2011

Respectfully submitted,  
Philip R. Boyce  
Town Clerk

#### BIRTHS

Total number of births recorded			104
Male			47
Female			57
Twins			3
Triplets			0

Born in			
January	8	July	6
February	8	August	12
March	11	September	6
April	5	October	17
May	11	November	12
June	3	December	5

### DEATHS

Total number of deaths recorded	132
Deaths occurred in Clinton	71
Clinton residents died elsewhere	61

### Marriages

Total number of marriages recorded	82
Ceremonies performed in Clinton	30
Ceremonies performed elsewhere	52

#### Marriages performed in

January	2	July	5
February	1	August	6
March	6	September	10
April	5	October	13
May	16	November	5
June	7	December	6

### FEEES

Marriage Licenses (\$50.00) Certified copies Birth, Death, Marriage (\$6.00)  
Business Certificates (\$30.00) Underground Storage (\$100.00)  
List of Persons (\$6.00) Civil Disposition Violatins (\$100.00)

January	\$492.00	July	\$660.00
February	\$930.00	August	\$1,132.00
March	\$736.00	September	\$1,064.00
April	\$1,916.00	October	\$718.00
May	\$1,170.00	November	\$476.00
June	\$916.00	December	\$916.00

Total taken in from fees \$11,126.00

### SALE OF DOG LICENSES

575 Licenses	\$5,875.00
2 Kennel	\$30.00
Total	\$5,905.00

HUNTING & FISHING LICENSES

Total fees for Hunting,Fishing Licenses and stamps

\$5,898.90

# **BOARD OF HEALTH**

To the Honorable board of Selectmen:

This report is for the period covering July 1, 2010 to June 30, 2011

## **Elected Officials**

Peter Notaro, Chairperson  
Stephen Lipka, Clerk  
James O'Toole, Member

## **Personnel**

Thomas Bonci, Health Agent  
William Dickhaut, Health Inspector  
Mary Beth Boyce, Public Health Nurse

## **Appointed**

Dr. Donald Mitchell, Physician  
Fred Delorey, Plumbing Inspector and Gas Inspector  
Ronald Cavanaugh, Assistant Plumbing and Gas Inspector  
Craig Martin, Animal Disposal Officer

Board of Health Mission statement:

The Mission of the Clinton Board of Health is to provide services to the residents of the town in order to enhance their public health and safety, protect consumers, and safeguard the environment. These services are planned and implemented so as to prevent the deterioration of acceptable standards of living for all of the citizens in the town of Clinton.

Board of Health Programs:

The Board of Health is responsible for providing high quality, community-based, health and safety services to the citizens of Clinton. Board of Health personnel monitor, controls, and protect the air and water quality of the community. The Board inspects swimming pools, natural bathing areas; respond to hazardous materials spills and complaints dealing with air, noise, and odor pollution. State regulation requires the board to ensure that the food and milk offered for sale in the town is wholesome, free from adulteration, properly labeled and generally safe for human consumption. In addition, inspections are conducted to determine if the establishments that offered food products for sale are maintained in substantial compliance with the provisions of the Massachusetts Sanitary code. The Housing Program enforces compliance with the

Massachusetts Sanitary code and Minimum Standards of fitness for Human Habitation in the Town’s residential areas. The Public Health Nurse conducts flu clinics, offers blood pressure checks, and investigates reports and monitors all communicable diseases. The Nursing unit also provides vaccines, investigates dog bites and follows all TB cases as required by State Regulation. The medical component of the Health Office is developing plans to properly protect the citizens of the town in the event of bioterrorism. These plans include procedures that will assist with West Nile Virus, SARS, Avian Influenza and other emerging pathogens.

The staff of the Clinton Health Office has again performed with dedication and professionalism. The Board’s accomplishments are the result of the enthusiastic approach by the entire board and staff to sole important public health issues. In the approaching year, a strong partnership with Police, Fire, Public Schools, Hospitals, EMS, and many federal, state, and local agencies will be required to properly plan and respond to a wide variety of emergency events.

### **Services Provided**

TYPE .....	NUMBER
Food Permits.....	185
Food Inspections.....	292
Housing Inspections.....	67
Fitness Inspections.....	23
Tobacco Permits .....	35
Burial Permits.....	78
Mobile Food Permits.....	13
Rubbish Haulers Permits.....	15
Public Pool Permits.....	04
Plumbing Permits .....	175
Gas Permits.....	223

**Attached is a detailed list of services provided by town Nurse**

**ANNUAL REPORT**  
**Public Health Nursing Services-Clinton BOH**  
**JULY 1, 2010-JUNE 30, 2011**

Investigate, report, and follow up for the following reportable diseases as mandated by MDPH.....59 cases

Babesiosis.....1	Lyme Disease.....15
Campylobacter...1	Measles (confirmed).....2

Dengue Fever.....1	Measles (suspect).....2
Giardia.....2	Norwalk virus.....9
Hepatitis-B.....2	Pertussis.....2
Hepatitis-C.....18	Toxoplasmosis.....1
Legionllosis.....1	Viral Meningitis.....2

Case managed **4 active TB patients**, responsible for 24 hour accountability, daily dispensing of TB meds ordered by TB clinic, mandated direct observation of TB medications being taken by each of them daily, observing for any signs or symptoms of medication reaction, obtaining + bringing sputum specimens to clinics. Ensuring that follow-up TB clinic appointments were kept, Investigate close contacts, and TB testing of family members and contacts of cases, initially read in 48 hours, and re-test again 8 weeks later. Arrange for Chest x-rays if needed for contacts.

Attended multi-disciplinary meetings at Lemuel Shattuck Hospital in Jamaica Plain, Ma and at U-Mass Memorial Health Care in Worcester, Ma. prior to TB cases being discharged back home to Clinton.

- **Active TB cases 4**
- **Close contacts of cases 28**
- **Total TB tests done 54**
- **Direct observation therapy visits 288**
- **Positive PPD tests referred for follow-up 11**
- **Chest x-ray referrals 5**

Town of Clinton was reimbursed \$5,771.52 from MDPH TB Prevention + control for **288 Daily Direct Observation visits** by the Clinton Town Nurse, of TB medications being taken by the 4 active TB patients.

Flu Clinic held in Clinton Town Hall auditorium on Thursday November 4, 2010, under direction of Donald M. Mitchell M.D.

- 189 Flu shots administered at clinic
- 25 administered to Corcoran House residents
- 58 administered in Nurse's office
- 10 Administered to home bound Clinton residents

Address in-person and telephone inquires from residents, local physicians offices, school nurses, assisted living facility, Clinton Senior Center, Clinton Hospital, and the community.

Blood pressures and patient education and teaching were done in office  
 Attended training seminars and participated in teleconferences regarding flu vaccine, sponsored by MDPH.

## **BIGELOW FREE PUBLIC LIBRARY**

To the Honorable Board of Selectmen:

The Trustees of the Bigelow Free Public Library submit the following report for the fiscal year ending June 30, 2011. Included is the Director's Report.

### **STAFF**

Director	Christine M. Flaherty
Children's Librarian	Deborah Maypothor-Marini
Assistant Librarians – full-time	Winifred Hastings
	Erin Klemm
	Laura Chiaravalloti
– part-time	Kathy Mullin

Custodian	Michael Kanala
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### **TRUSTEES**

Nancy Starr, Chair	Term Expires, 2012
Ruth Kamataris	Term Expires, 2013
Sarah Parker	Term Expires, 2014
Gloria Parkinson, Vice Ch.	Term Expires, 2012
Caroline Keiger, .	Term Expires, 2013
Susan Franco Sec.	Term Expires, 2014

### **LIBRARY HOURS**

Sunday / Monday	Closed
Tuesday	9-6
Wednesday	9-6
Thursday	9-6
Friday	9-6
Saturday	9-1

### **LIBRARY DESCRIPTION**

The library is a department of town government, under the authority of an elected six-member Board of Trustees. The Board's authority is derived from Chapter 78, Sections 10 and 11 of the Massachusetts General Laws. Section 10 states in part that: "The Board shall have the custody and maintenance of the library...and of all property owned by the town relating thereto. All money raised

and appropriated by the town for its support and maintenance shall be expended by the Board, and all money or property which the town may receive by gift or bequest...shall be administered by the board...". The Board delegates responsibility for library management, collection development, and provision of library services to the public, to the Library Director. The Director is appointed by, and directly responsible to, the Trustees.

## **DIRECTOR'S REPORT**

The library collection of audio-visual materials continues to expand to meet patrons' needs and includes DVD's, CD's, MP3's, and Play-a-Ways. These materials are loaned to our patrons free of charge for a period of two weeks.

The library has discount passes to the following area attractions:

Davis Farmland – Sterling  
Discovery Museums- Acton  
Ecotarium-Worcester  
Fruitlands Museum-Harvard  
Russian Icon Museum-Clinton  
Tower Hill Botanical Gardens-Boylston  
Worcester Art Museum-Worcester

The library has ten public access computers connected to the Internet. These are intended primarily for reference/research use. The Children's Room also has computers, which are not Internet accessible, available for reports, etc. Copies of the library's Internet Use Policy are available at the main desk.

The Friends of the Bigelow Library continues to support the library through fundraising and programs. New, active, members are always needed. The Friends have produced a cookbook which they are promoting and selling. Special programs featuring tastings of various recipes from the cookbook are being planned. The Friends have presented a variety of special programs, including Artisan's Fairs, a Quilt Exhibition, a Flower Arrangement Contest and a Valentine Tea as well as the traditional Yard, Book, and Bake sale during Olde Home Days. The Friends have been a great help in the library programming, subsidizing to help us cope with the loss of that line item from our budget.

Library-sponsored programs offered throughout the year included Story Hour, Reading Patch Club, and the Summer Reading Club for youngsters, as well as concerts, arts and crafts, and special holiday themed activities. Adult programs have included Book Discussions, Author presentations, Holiday celebrations, seasonal crafts: The Clinton Cultural Council provided funding for artist workshops and performances.

The library is used by local professional groups for meetings, as a venue for Cub Scout registration night, SPED parents meetings, Community Theatre rehearsals, information seminars, Adult Education tours and library card sign-ups.

While the five-year Long Range Plan was submitted to, and approved by the Massachusetts Board of Library Commissioners, execution of the more ambitious aspects will be delayed due to significant budget cuts. The library's oil consumption has decreased markedly with the installation of the new boiler. Unfortunately, oil costs have risen, thus negating potential savings.

The library building, while over 100 years old, is in good condition, owing to the care and attentiveness of this board and our staff, retaining its original beauty even with the addition of modern necessities, such as an elevator and a fire alarm system. Any time renovations are undertaken, it is with the realization that the building itself dictates the planning and implementation of those changes. We are fortunate to have had minimal requirements for repairs this fiscal year since this line item has also been eliminated from our budget.

This year we successfully petitioned the Board of Library Commissioners to grant us a waiver of the Minimum Appropriation Requirement. The grant monies attached to this make it possible for us to absorb the hurtful cuts inflicted at budget time. Thus, we have retained staffing levels, and are able to continue to provide the services our patrons expect and deserve. Sincere thanks to our friends and supporters for their encouragement during the budget hearings, helping us to ensure our certification and state grants.

Unfortunately the library budget situation has worsened this year, again putting grant money and certification in jeopardy. If you have attended a program, used a pass, borrowed books, movies, or audios, or just dropped in to do research on our computers, use our newspaper files, get reference materials, read a magazine or newspaper, pick up tax forms, then you are aware of the value of a free public library to your community. We trust that you will voice your appreciation during budget hearings again this year.

We urge you to check our web site, [bigelowlibrary.org](http://bigelowlibrary.org) to remain informed about our various programs and services.

Respectfully Submitted  
Nancy Starr, Chair  
Gloria Parkinson, Vice-Chair  
Susan Franco, Secretary  
Ruth Kamataris  
Caroline Keiger  
Sarah Parker

**Clinton Parks & Recreation Commission**  
**Annual Report 2011**

The 34rd Annual *Daddy Daughter Dance* was a huge success along with the *Mother/ Son Movie* night that is held the same evening. We had to cancel the Saturday date in advance and reschedule for Sunday, February 6<sup>TH</sup> due to a snowstorm. These are the two largest events that we have besides our summer playground program. The dance is held from 4 P.M. to 6 P.M. 400 attended and around 90 attended the movie held at the Strand Theatre on the 1<sup>st</sup> Saturday of February. Special thanks to Dunkin Donut s for donating an urn of coffee and to Shaw's for the \$25.00 gift certificate to help lower the cost of cupcakes and soda.

The *Girls and Boys Basketball Grades 1-8* continues to be very successful with participation almost at 150 held at the Clinton Elementary School for six weeks. The program is coordinated by *Tony Gannon* and coached by the *Varsity and Junior Varsity Boy's and Girl's Basketball Teams*. Grades 1-3 boys had over 75 participants.

The *After School Ski Program* added two more buses for the snowboarders and skiers this year that numbered 64 participants. The students bring their skis to school and we leave at 2:45 and return around 8 P.M. for six weeks beginning in January from the Clinton Middle School. The trips are chaperoned by the Parks and Recreation Department.

The Parks and Recreation offer many day and overnight trips to see the Red Sox, Patriots, visits to NY City, clamcakes, Block Island and other getaways that are combined with Leominster Recreation and Sterling Recreation.

The Parks and Recreation Department is very grateful to *Head Start* for allowing us to use their building for our Summer Playground Program. We have 50 participants each week for our 8-week program and it is so convenient to be able to walk to the Philip J. Weihn State Pool every afternoon to go swimming. A big thanks to *The Weetabix Corporation* for their donation of cereal so that all the boys and girls can eat breakfast every morning.

The Parks and Recreation appreciate all the assistance from the *Department of Public Works* throughout the year.

Edward Verrier, Chairman  
Esteban Mendoza  
Richard Thompson  
Yoanna Osborne  
Paul Zapantis

To the Honorable Board of Selectmen:

Submitted herewith is the report of the Planning Board for fiscal year ending June 30, 2011.

The fiscal year opened with the following individuals seated on the Planning Board: Clifford J. Thompson, chair, Nancy Moran, vice-chair, Paul Curran, clerk, Douglas A. Price and Dale A. Dimeco, members. Following the annual election, in which Douglas A. Price was re-elected for five year term. The board reorganized in August 3, 2010 with all position the same as previous year. The Planning Board was assisted in its work by Dinorah Caraballo.

Mr. Duffy will continue his role as Planning Board designee to the Master Plan Committee.

During the fiscal year, the Planning Board granted Site Plan Approval with conditions for the following properties:

- 104 Sterling Street

ANR Plans were approved for lots at the following addresses:

- 128 Franklin Street
- 136 West Street

A Special Permit granting relief from the proscriptive requirement of the Signage By-Law a granted for the following addresses:

- 200 Church Street

A Special Permit to grant the conversion of an existing single family swelling to a two family dwelling was granted for the following address:

- 141 Wilson Street

A Special Permit to grant the construction of a single family dwelling.

- 17 Chipman Street

A Special Permit to grant the construction of a three family dwelling.

- 377 Berlin Street

A Special Permit to grant the construction of four family dwelling.

- 117 Franklin Street

Site Plan Review/Special Permit to grant the construction of a new commercial building: Auto Zone – 815 Main Street.

A Definitive Subdivision for Pond View Drive to construct 10 family dwellings.

Finally, the Planning Board received approximately \$3,500.00 in filing fees during the fiscal year. These receipts were entered into the General Fund.

## Police Department

Honorable board of Selectmen:

Herein, I submit the report of the Clinton Police Department for the fiscal period of July 1, 2010 to June 30, 2011.

### Personnel

Michael Fazio retired in August after 31 years of dedicated and honorable service to the Town. Department secretary Lois Allworth passed away in October. She was replaced by Katherine Baird. Mathew Baird was hired as a patrolman in November. In February Michael Frick resigned as dispatcher and was hired as patrolman. Miguel Diaz was hire in March as a dispatcher to replace Mr. Frick. In May Gilbert Currier resigned as dispatcher. Jonathan O'Loughlin was hired in May as a dispatcher to replace Mr. Currier.

### Grants Received

State Emergency Telecommunication Board	
- Training Grant	\$ 7,800.00
- Support and Incentive Grant	\$27,655.00

### Personnel and Salaries

See Attachment – A

### Calls for Service

See Attachment – B

### Arrest Summary Report

See Attachment – C

### Citation Summary

See Attachment – D

**POLICE PERSONNEL & SALARIES**

JULY 1, 2010 THROUGH JUNE 30, 2011

	SALARY/ QUINN	HOLIDAYS/ ACT.SGT	COURT/ OVERTIME	LONGEVITY/ INCENTIVE	SICK TIME BUY BACK
Laverdure, Mark, Chief	\$143,068.88	\$6,029.75	\$0.00	\$1,600.00	\$2,660.95
Casasanto, Joseph, Lt.	105,491.74	4,446.07	0.00	1,600.00	1,962.05
Stevenson, Paul, Sgt.	85,831.89	3,617.45	9,548.64	1,600.00	1,596.40
Welch, Michael, Sgt.	81,579.04	3,438.25	17,114.58	850.00	1,518.00
Kamataris, William, Sgt.	78,315.88	3,300.74	5,937.36	1,150.00	1,457.28
Nelson, Thomas, Sgt.	77,718.52	3,425.06	7,432.34	0.00	1,285.07
Baird, Matthew, Ptlm.	28,635.34	1,347.60	2,810.62	0.00	0.00
Bedard, Albert, Ptlm.	55,244.13	2,586.59	2,539.53	300.00	0.00
Brescia, Edward, Det.	54,244.13	2,286.20	2,494.17	1,150.00	1,023.26
Cadore, Earle, Ptlm.	54,944.13	2,573.63	11,102.31	0.00	1,023.26
Champagne, Robert, Ptlm.	65,992.96	3,537.82	4,370.73	850.00	1,227.92
Cornelius, Christopher, Ptlm.	60,883.01	2,793.98	6,239.53	0.00	0.00
Coyne, Brian, Det.	68,742.66	2,857.69	13,143.06	0.00	1,261.12
Downing, Joseph, Ptlm.	65,992.96	2,781.34	2,024.58	0.00	1,227.92
Duggan, Joanne, Ptlm.	69,055.16	2,958.38	8,286.54	0.00	1,285.07
Fazio, Michael, Ptlm.	8,950.55	235.55	1,265.40	0.00	24,759.56
Frick, Michael, Ptlm.	14,317.57	329.24	0.00	0.00	0.00
Frisch, Jeffrey, Ptlm.	68,742.66	2,897.26	5,385.69	0.00	1,279.08
Gaughan, John, Ptlm.	68,673.06	5,584.92	8,226.24	1,150.00	1,277.26
Hisman, James, Ptlm.	55,244.13	3,249.94	3,043.41	1,150.00	0.00
Hughes, Shamus	14,317.57	329.24	0.00	0.00	0.00
Jeffrey, Edward, Ptlm.	66,292.96	2,793.98	6,477.68	0.00	1,227.92
Martinez, George, Ptlm.	54,244.13	2,750.36	7,404.30	300.00	0.00
Martinez, Miguel, Ptlm.	54,244.13	2,286.20	0.00	1,150.00	1008.89
McNamara, James, Ptlm.	68,742.66	3,253.69	10,182.48	0	1,261.12
Schmidt, Karl, Ptlm.	67,805.16	7,076.25	22,153.66	850	1,261.12
Silvester, Paul, Ptlm.	67,805.16	4,600.09	17,022.30	850	1,261.12
Welch, Richard, Ptlm.	54,244.13	2,570.26	3,246.38	1,150.00	1,028.05

**POLICE DEPARTMENT PERSONNEL/SALARIES**

JULY 1, 2010 THROUGH JUNE 30, 2011

Secretary:	Lois A. Allworth	\$16,429.02
	Katherine A. Baird	15,895.00
Dispatchers:	Marcia L. Currier	44,404.33
	Gilbert D. Currier	41,461.93
	Jeffrey R. Notaro	36,030.82
	Michael C. Frick	23,315.04
	Miguel Diaz	7,887.56
	Jonathan O'Loughlin	3,499.60
Pensions:	Martin F. O'Toole	22,836.00
	Madeline O'Malley	12,709.00

**EXPENSES & REVENUE - FISCAL 2010-2011**

**POLICE GENERAL EXPENSE**

Telephones:	\$15,054.41
Cruisers Purchased	57,846.00
Cruiser Parts/Repairs:	42,458.74
General Supplies:	4,521.80
Office Supplies:	10,328.70
Officers Injured on Duty:	1,940.00
Maintenance Contracts:	15,885.00
Miscellaneous:	2,875.40
Matrons:	209.00
Heat, Light, Power	38,782.69
New Radio Maintenance:	933.75
Training & Education:	5,847.53
Traffic Signs:	250.00
Building Maintenance:	1,852.25
New Equipment:	0.00
Police Uniforms:	27,370.85
Cleaning Services:	28,203.59
Town of Lancaster/Rifle Range Taxes	1,007.24
<b>TOTAL:</b>	<b>\$255,366.95</b>

**FEES COLLECTED**

License to Carry Firearms:	\$3,550.00
Accident Reports to Ins/Attys:	1,302.00
State Law Enforcement Fund:	13,357.06
Federal Law Enforcement Fund:	64,792.24
Gun Permits Due to State:	10,575.00
Insurance Restitution:	0.00
Miscellaneous	106.27
Revolving Details & 10% Admin. Fees	193,428.70
<b>TOTAL:</b>	<b>\$287,111.27</b>

action code: ALL to: sort: # log type: ALL  
 geo-code: ALL to: date from: 07/01/10 to: 06/30/11  
 frm cty/twn: ALL to: inc groups: ALL  
 log platoon: ALL loc: ALL

-----shift-----				disposition: ALL off: ALL		
A	B	C	total	ucr	grp	description
20	38	11	69	000		MISCELLANEOUS
46	51	40	137	001		OFFICER SICK
3	3	9	15	002		OFFICER INJURY COMPLAINT
7	6	3	16	003		CROSSING GUARD/OTHER PERSONNEL
3	1	0	4	004		OFFICER SHIFT ASSIGNMENT
268	104	37	409	005		DEPARTMENTAL COMPLAINT
60	53	17	130	006		CRUISER REPAIR/PROBLEMS
0	0	1	1	007		RADAR ASSIGNMENT
18	16	2	36	008		DIRECTED ACTIVITY
38	47	210	295	03A		JANITORIAL/BUILDING MAINT.
98	46	20	164	05A		E-911 HANGUPS
6	7	1	14	06B		EQUIPMENT REPAIR/PROBLEMS
8	3	4	15	06C		E-911 EQUIPMENT PROBLEMS
10	6	1	17	090		TRESPASS NOTICE SERVED
5	6	1	12	09D		REPORTED DEATH
3	9	5	17	09E		SUICIDE / ATTEMPTS
10	6	0	16	101		KIDNAPPING-SPOUSAL/CUSTD.DISP.
10	34	10	54	10A		MISSING PERSONS
6	11	5	22	10B		MISSING PERSON LOCATED
1	0	0	1	110	N	FORCIBLE RAPE ATTEMPTS*
1	0	0	1	11A	N	FORCIBLE RAPE*
0	1	1	2	11C	N	SEXUAL ASSAULT*
5	1	1	7	11E	N	CHILD ABUSE - NEGLECT*
0	2	1	3	11F	N	INDECENT ASSAULT & BATTERY*
0	2	0	2	11G		EXPOSING/LEWD & LACIVIOUS
2	1	2	5	11H		SEX OFFENDER REG./MODIFY
0	1	0	1	120	N	ROBBERY*
4	7	8	19	13A	N	ASSAULT - AGGRAVATED *
14	28	6	48	13B	N	ASSAULT - SIMPLE ASSAULT *
32	46	12	90	13C	N	ASSAULT - INTIMIDATION-THREAT
0	3	3	6	13D	N	ASSAULT - ON OFFICER*
16	10	1	27	13H		HARASSMENT ORDER SERVICE/ATT.
2	3	0	5	13V		HARASSMENT ORDER VIOLATION
99	268	104	471	140		DISTURBANCE-GENERAL
1	22	24	47	141		DISTURBANCE-HOUSE PARTY
10	43	30	83	142		DISTURBANCE-FIGHT
0	12	9	21	143		DISTURBANCE-LIQ.ESTABLISHMENT
0	4	1	5	144		DISTURBANCE-UNLAWFUL ASSEMBLY
28	73	28	129	145		DISTURBANCE-NEIGHBORS
6	1	0	7	146		DISTURBANCE-SCHOOL
1	1	0	2	200	N	ARSON*
3	4	1	8	20A		FIRE (MV)
10	6	4	20	20B		FIRE (RESIDENTIAL)
0	4	2	6	20C		FIRE (COMMERCIAL)

action code: ALL to: sort: # log type: ALL  
 geo-code: ALL to: date from: 07/01/10 to: 06/30/11  
 frm cty/twn: ALL to: inc groups: ALL  
 log platoon: ALL loc: ALL

-----shift-----				disposition: ALL off: ALL		
A	B	C	total	ucr	grp	description
19	28	12	59	20D		FIRE ALARM
1	0	0	1	20E	N	BOMB THREAT*
333	268	151	752	20F		AMBULANCE / MEDICAL EMERGENCY
8	14	4	26	20G		FIRE (WOODS/GRASS/OTHER)
1	0	0	1	20H		HAZARDOUS MATERIAL COMPLAINT
9	5	1	15	20I		GAS ODOR
0	12	5	17	20J		FIREWORKS COMPLAINT
0	1	0	1	20K		EXPLOSION
3	4	2	9	20L		MEDICAL ALERT/ALARM
1	1	0	2	20S		SPILLS-CHEMICALS-FUELS
18	20	11	49	220	N	BURGLARY / BRKING & ENTERING*
8	3	2	13	221	N	BURGLARY/B & E ATTEMPTS*
112	132	124	368	222		BURGLAR ALARM
0	1	0	1	23B	N	THEFT - PURSE SNATCHING*
17	10	1	28	23C	N	THEFT - SHOPLIFTING*
19	19	1	39	23D	N	THEFT - FROM BUILDING*
43	24	12	79	23F	N	THEFT - FROM MOTOR VEHICLE*
1	0	2	3	23G	N	THEFT - MV PARTS/ACCESSORIES*
57	34	6	97	23H	N	THEFT - ALL OTHER LARCENY*
6	6	0	12	23I	N	THEFT - STOLEN BIKE*
2	1	0	3	23J		THEFT - ATTEMPTS
2	2	0	4	23K	N	THEFT - M/V PLATE ONLY*
5	7	5	17	240	N	MV THEFT*
3	1	1	5	241		MV PLATE (LOST)
1	2	0	3	242		MV PLATE RECOVERED
3	4	1	8	24A		MV USING W/O AUTHORITY
4	7	4	15	24B		MV RECOVERED STOLEN
152	91	28	271	24C	M	MV ACCIDENT (PDA)
21	17	4	42	24D	M	MV ACCIDENT (PIA)
54	45	10	109	24E	M	MV ACCIDENT (H&R)
0	2	2	4	24G	M	MV ACCIDENT (PEDESTRIAN)
2	0	1	3	24H	M	MV ACCIDENT (CRUISER)
48	64	30	142	24I		MV TOWED
5	11	20	36	24J		MV REPOSSESSED
6	4	4	14	24K		MV ABANDONED
43	43	15	101	24L		MV DISABLED
155	90	21	266	24M		MV LOCK-OUT
83	44	28	155	24N		MV TRAFFIC COMPLAINT
81	56	36	173	24P		MV PARKING COMPLAINT
9	6	4	19	24X		MV ENTERED (SPECIFY CRIME)
227	356	152	735	24Z		MV ERRATIC OPER. / OTHER VIOL
8	4	0	12	250	N	FORGERY/UTTERING/COUNTERFEITS*
0	1	0	1	26A	N	FALSE PRETENSE/SWINDLE*
21	6	2	29	26B	N	CREDIT CARD / ATM FRAUD*

action code: ALL to: sort: # log type: ALL  
 geo-code: ALL to: date from: 07/01/10 to: 06/30/11  
 frm cty/twn: ALL to: inc groups: ALL  
 log platoon: ALL loc: ALL

-----shift-----				disposition: ALL off: ALL		
A	B	C	total	ucr	grp	description
1	0	0	1	26C	N	IMPERSONATION*
4	1	0	5	26E	N	WIRE FRAUD*
20	9	2	31	26F		IDENTITY THEFT
2	4	1	7	280	N	STOLEN PROPERTY (NOT THEFTS)*
19	6	1	26	28A		PROPERTY-RECOVERED (NOT MV)
52	33	3	88	28B		PROPERTY-LOST
3	5	3	11	28C		PROPERTY-RECOVERED (BIKES)
62	30	16	108	28D		PROPERTY-FOUND
9	8	1	18	28E		PROPERTY-MISSING
1	0	0	1	28F	N	PROP. STOLEN - FIREARMS*
23	7	4	34	28G		PROPERTY-RETURNED TO OWNER
94	67	62	223	290	N	VANDALISM DAMAGE/DESTR/PROP.*
16	6	5	27	291	N	GRAFITTI/SPRAY PAINTING*
9	26	6	41	35A	N	DRUG / NARCOTIC VIOLATIONS*
2	7	2	11	35B	N	DRUG EQUIPMENT VIOLATIONS*
2	5	0	7	35C	N	SEARCH WARRANT/DRUG RAID*
0	1	0	1	36B	N	STATUTORY RAPE*
0	1	0	1	370	N	PORNOGRAPHY/OBSCENE MATERIAL*
0	2	1	3	520	N	WEAPON LAW VIOLATION*
2	3	1	6	52A	N	WEAPON VIOLATION - DISCHARGE*
0	1	0	1	52B	N	WEAPON VIOLATION - POSSESSION*
3	4	0	7	52C	N	WEAPON VIOLATION - CARRYING*
79	57	5	141	700		CIVIL COMPLAINT
70	51	29	150	70A		ASSIST CITIZEN
113	102	64	279	70B		BUILDING/PROPERTY CHECKS
0	1	0	1	70C		HOUSE CHECKS
19	18	7	44	70D		DELIVER MESSAGE
34	3	7	44	70E		ESCORT
59	46	28	133	70F		ADVISE TOWN SERVICES (DPW)
17	13	6	36	70G		ASSIST MUNICIPAL AGENCY-CLINTON
40	40	1	81	70H		SUMMONS SERVED
25	10	0	35	70I		ESCORT/PERSONAL BELONGINGS
65	41	3	109	70J		RESTR. ORDER SERVICE/ATTEMPTS
15	21	3	39	70K	N	RESTRAINING ORDER-VIOLATION*
3	10	3	16	70L		RESTRAINING ORDER - EMERGENCY
14	46	23	83	70M	N	DOMESTIC ASSAULT & BATTERY*
1	0	0	1	70N		RESTRAINING ORDER - VACATED
6	3	0	9	70O	N	DOMESTIC ABUSE*
1	0	0	1	70P	N	DOMESTIC-ELDER ABUSE*
174	99	44	317	70Q		ADVISE OTHER AGENCY
7	5	6	18	70R		TRAFFIC LIGHT PROBLEM/REPAIRS
10	1	2	13	70S		CLINTON COURT - ASSIST AGENCY
31	42	29	102	70T		TRANSPORT (HOSPITAL, ETC.)
6	4	0	10	70U		ADVISE SOCIAL SERVICES

action code: ALL  
geo-code: ALL  
frm cty/twn: ALL  
log platoon: ALL

to: sort: # log type: ALL  
to: date from: 07/01/10 to: 06/30/11  
to: inc groups: ALL  
loc: ALL

-----shift-----				disposition: ALL off: ALL		
A	B	C	total	ucr	grp	description
95	73	30	198	70W		CHECK ON CITIZEN'S WELFARE
19	16	5	40	70Z		GENERAL SERVICES
47	41	34	122	800		MUTUAL AID
69	145	69	283	80A		ARREST
40	30	10	80	80B		MENTAL HEALTH COMPL. / ARREST
88	5	7	100	80C		PRISONER TRANSPORT
9	7	4	20	80D		PRISONER INJURY/MED. TREATMENT
106	75	17	198	80E		ANIMAL COMPLAINT
39	20	13	72	80F		ANIMAL COMPLAINT W/INJURY
37	13	9	59	80G		WIRES DOWN/POWER OUTAGE
0	3	0	3	80H		WEATHER COND./SCHOOLS CLOSED
4	4	1	9	80I		JUVENILE CUSTODY NO LOCKUP
2	3	1	6	80J		JUVENILE DETENTION
3	5	1	9	80K		JENKINS HEARING COMPLETED
2	2	0	4	80M		MATRON/MONITOR SERVICE
47	54	6	107	80N		PRISONER FOOD
23	59	27	109	80R		PRISONER RELEASED
3	22	13	38	80S		PRISONER CHECK
5	1	1	7	90A	N	BAD CHECKS*
0	25	1	26	90B	N	LOITERING/CURFEW/VAGRANCY*
20	48	27	95	90C	N	DISORDERLY CONDUCT*
1	22	14	37	90D	N	DRIVING UNDER THE INFLUENCE*
2	39	27	68	90E		PROTECTIVE CUSTODY/DRUNKENESS
101	117	36	254	90F		FAMILY/DOMESTIC/NON-VIOLENT
3	12	4	19	90G	N	LIQUOR LAW VIOLATIONS*
0	1	2	3	90H	N	PEEPING TOM / PROWLER*
1	8	2	11	90I	N	RUNAWAY (ADULT OR CHILD)*
13	33	9	55	90J	N	TRESPASS OF REAL PROPERTY*
0	2	0	2	90K		PHONE CALLS - OBSCENE
210	282	149	641	90L		SUSPICIOUS ACTIVITY
3	23	6	32	90M	N	OPEN CONTAINER VIOLATION*
34	19	9	62	90N		LITTERING/ILGL. TRASH DISPOSAL
44	44	12	100	90O		PHONE CALLS - ANNOYING/HARASS
1	4	1	6	90P		RUNAWAY LOCATED
3	5	1	9	90Q	N	TRESPASS OF RAILROAD PROPERTY*
6	7	3	16	90R		RAILROAD COMP./NOT TRESPASS
20	5	2	27	90S		SOLICITORS/SALESPERSONS
2	2	0	4	90T		SNOWBALLING/SLIDING
19	0	9	28	90U		PRIVATE INVESTIGATOR COMPLAINT
9	30	2	41	90V		SKATEBOARDING COMPLAINTS
1	0	0	1	90W		PRISONER INFO/WORK RELEASE
1	1	0	2	90X	N	ATTEMPTS TO COMMIT A CRIME
3	2	0	5	90Z		ALL OTHER OFFENSES
485	541	307	1333	911		E-911 - CALL FOR SERVICE

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log platoon: ALL loc: ALL

-----shift----- disposition: ALL off: ALL

A	B	C	total	ucr	grp	description
2	2	0	4	91T		TRUANCY

TOTALS 5180 5127 2556 12863

TOTAL> 3987 3715 1871 9573 <CALLS FOR SERVICE

from chg code: ALL from arrest date: 07/01/10 from off: ALL fr geo: ALL  
to chg code: to arrest date: 06/30/11 to off: to geo:  
sort by: CODE (A)dult (J)uv: ALL arr/chg typ: ALL  
race: ALL arr/chg grp: ALL

totals	chg cd	arr chg typ	grp	statue	description
11	0	A		266-120F	UNAUTHORIZED USE OF COMPUTER
3	0	S		266-37(C)E	FALSE REPRESENTATION CREDIT
1	001	S		89-9	FAIL. TO YIELD AFTER STOP
22	005	A		160-218	TRESPASSING ON RAILROAD PROP
1	006	S		6-178H	FAIL TO REG. AS SEX OFFENDER
1	008	A		269-2	FAIL TO DISPERSE
1	009	A		90-25	FALSE INFORMATION TO P.O.
80	010	A		MISC	WARRANT ARREST
5	015	A		PC	PROTECTIVE CUSTODY
66	015	B		PC	PROTECTIVE CUSTODY
1	015	P		PC	PROTECTIVE CUSTODY
1	015	U		PC	PROTECTIVE CUSTODY
1	017	A		90-7	PROTECTIVE HEADGEAR VIOL.
1	021	A		119-39H	CHILDREN IN NEED OF SERVICES
23	400	A		90-24	OPER MV UN-INFL OF LIQUOR
5	410	A		90-24	OPER MV UN-INFL LIQ 2ND OFF
2	420	A		90-24	OPER MV UN-INFL LIQ 3RD OR S
1	42A	A		90-24	OPER MV UN-INFL LIQ 4TH OR S
4	430	A		90-24	OPER MV UN-INFL OF DRUGS
1	600	A		90-24	OPER MV RECKLESS TO ENDANGER
2	600	S		90-24	OPER MV RECKLESS TO ENDANGER
21	610	A		90-24	OPER MV NEGLIG. TO ENDANGER
2	610	S		90-24	OPER MV NEGLIG. TO ENDANGER
4	620	A		90-24	LEAV SCENE AFTER PROP DAMAGE
1	620	C		90-24	LEAV SCENE AFTER PROP DAMAGE
7	620	S		90-24	LEAV SCENE AFTER PROP DAMAGE
4	640	A		90-24	UNAUTH. USE OF MV
1	640	S		90-24	UNAUTH. USE OF MV
4	970	A		COMMON LAW	CONSPIRACY
4	999	A		90-7	OPER. W/O HEADLIGHTS
1	1070	A		90-6	OPER MV FAIL DISPLAY PLATES
5	1080	A		90-7	DEFECTIVE EQUIPMENT
2	1080	S		90-7	DEFECTIVE EQUIPMENT
1	1090	A		90-20	OPER MV OWNER W/O INSP STICK
1	109B	A		90-20	INSP, FAIL BY OWN MV INSPCTD
2	1100	A		90-9	OPERATING AN UNREGISTERED MV
6	1100	S		90-9	OPERATING AN UNREGISTERED MV
1	1101	S		90-9	ALLOWING OPER OF UNREGIST MV
1	1103	A		90-23	OPER. AFT. REVOC. REGISTRAT.
2	1103	S		90-23	OPER. AFT. REVOC. REGISTRAT.
16	1110	A		90-10	OPER MV W/O BEING LICENSED
8	1110	S		90-10	OPER MV W/O BEING LICENSED
1	1120	S		90-11	OPER MV W/O LIC. IN POSSESS.
4	1160	A		90-23	OPER MV AFTER LIC. SUSPENDED
2	1160	S		90-23	OPER MV AFTER LIC. SUSPENDED
6	1161	A		90-23	OPER MV AFT LIC. SUSP. SUBSQ
2	1161	S		90-23	OPER MV AFT LIC. SUSP. SUBSQ
2	1170	A		90-23	OPER MV AFTER LIC. REVOKED

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totals	chg cd	arr chg typ	grp	statue	description
2	1170	S		90-23	OPER MV AFTER LIC. REVOKED
1	1171	A		90-23	OPER MV AFT. LIC. REV. SUBSQ
1	1171	S		90-23	OPER MV AFT. LIC. REV. SUBSQ
1	1180	A		90-23	OPER AFT/REV/SUSP FOR O.U.I.
1	1180	S		90-23	OPER AFT/REV/SUSP FOR O.U.I.
3	1190	S		90-23	ATTACHING PLATES TO A MV
7	1210	A		90-24I	POSS. OPEN CONTAINER IN M/V
5	1220	A		90-25	FAIL TO STOP FOR POLICE-MV
3	1240	A		90-34J	OPERATING AN UNINSURED MV
4	1240	S		90-34J	OPERATING AN UNINSURED MV
1	1241	S		90-34J	ALLOWING OPER OF UNINS. MV
1	1261	A		266-121A	TRESPASS BY MOTOR VEHICLE
8	1270	A		89-4	MARKED LANES VIOLATION
3	1270	S		89-4	MARKED LANES VIOLATION
1	1290	A		720CMR9.06	FOLLOWING TOO CLOSE
1	1290	S		720CMR9.06	FOLLOWING TOO CLOSE
5	1300	A		90-14	FAIL USE CARE & CAUTION
1	1300	S		90-14	FAIL USE CARE & CAUTION
2	1310	A		89-9	RED LIGHT VIOLATION
2	1320	A		89-9	STOP SIGN VIOLATION
1	1320	S		89-9	STOP SIGN VIOLATION
1	1350	S		DPW4-20	DISOBEYING TRAFFIC SIGNAL
1	1370	A		90-3	NON-RESIDENT FL. TO REGISTAR
13	1400	A		90-17/18	SPEEDING
3	1400	S		90-17/18	SPEEDING
3	1535	S		90-12(B)	PERMITTING UNLICENSED OPER.
1	1541	A		90-13B	TEXTING WHILE OPERATING M/V
1	1565	A		90-14	FAIL TO KEEP RIGHT,TURNING
1	1570	A		90-14B	FAIL TO SIGNAL B4 STOP/TURN
1	1600	A		90-16	OPER MV W/ UNNECESSARY NOISE
1	1650	A		90-25	REFUSE TO PROD. LIC OR REGIS
1	1660	A		90-26A	FAIL REP. ADDR./NAME CHG.REG
1	1661	S		90-26	FAIL TO FILE ACCIDENT REPORT
1	1680	A		266-139	ALT. OR DEFAC MV ID #
3	1690	A		89-1	FAIL TO KEEP RT.
8	1720	A		89-4B	FAIL DRIVE IN RIGHT LANE
2	1730	A		89-8	FAIL TO YLD-INTERS-MV OPP DI
1	1740	A		89-8	FAIL TO YLD -INTERS-MV FR RT
2	2010	A		266-14	BURG & ASSLT IN A DWELLING
24	2050	A		266-16	B&E NIGHT W/ INT.TO COM. FEL
8	2050	S		266-16	B&E NIGHT W/ INT.TO COM. FEL
10	2060	A		266-16A	B&E NIGHT W/ INT.TO COM. MIS
1	2070	A		266-16A	B&E DAY W/ INT TO COM. MIS
2	2070	S		266-16A	B&E DAY W/ INT TO COM. MIS
2	2100	A		266-18	B&E DAY, W/ INT TO COM. FEL
2	2100	S		266-18	B&E DAY, W/ INT TO COM. FEL
17	2160	A		266-120	TRESP. LAND, DWELL,HOUSE,ETC
3	2160	S		266-120	TRESP. LAND, DWELL,HOUSE,ETC

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totals	chg cd	arr chg typ	grp	statue	description
1	3040	A		266-20	LARC., BLDG., SHP., VESSL, RRCAR
8	3040	S		266-20	LARC., BLDG., SHP., VESSL, RRCAR
1	3060	S		266-25	LARC. FR. A PERSON
1	3090	S		266-28	LARC. OF A MV OR TRAILER
1	3105	H		266-30	LARCENY BY FALSE PRETENSES
3	3110	A		266-30	LARC. OF PROP., \$250 OR LESS
4	3110	S		266-30	LARC. OF PROP., \$250 OR LESS
1	3120	A		266-30	LARC. PROP. \$250 OR LESS (VAR)
13	3130	A		266-30	LARC. PROP. OVER \$250
4	3130	S		266-30	LARC. PROP. OVER \$250
3	3160	A		266-30A	SHPLFTG BY ASPORT. OF MERCH.
2	3160	S		266-30A	SHPLFTG BY ASPORT. OF MERCH.
3	3170	A		266-30A	SHPLFTG BY CONCEALG MERCH.
4	3170	S		266-30A	SHPLFTG BY CONCEALG MERCH.
1	3220	H		266-37	LARC. BY CHECK
6	3220	S		266-37	LARC. BY CHECK
1	3244	S		266-37E(b)	USING/POSING PERSONAL INFO
4	3250	S		266-37B	TRANSFE A STOLEN CREDIT CARD
3	3260	S		266-37B(f)	CREDIT CARD, FALSE, \$250 LES
6	3290	A		266-49	POSS BURG. TOOLS
1	3300	S		266-60	REC'G STOLEN PROP. \$250 LESS
1	3310	A		266-60	REC'G STOLEN PROP \$250 MORE
2	3310	S		266-60	REC'G STOLEN PROP \$250 MORE
3	3370	S		267-1	FORGERY
2	3390	S		267-5	UTTER A FORGERD INSTR
1	3400	S		267-5	UTTER A FORGED INSTR (VAR)
1	4009	A		272-40	DISRUPTING A SCHOOL ASSEMBLY
2	4009	S		272-40	DISRUPTING A SCHOOL ASSEMBLY
64	4010	A		272-53	DISORDERLY PERSON
18	4010	S		272-53	DISORDERLY PERSON
10	4012	A		272-61	DISORDERLY PERSON SUBSEQUENT
3	4012	S		272-61	DISORDERLY PERSON SUBSEQUENT
64	4020	A		272-53	DISTURBING THE PEACE
20	4020	S		272-53	DISTURBING THE PEACE
19	4022	A		272-61	DISTURBING PEACE SUBSEQUENT
3	4022	S		272-61	DISTURBING PEACE SUBSEQUENT
1	5000	A		266-1	BURN. A DWELLING HOUSE
4	5080	A		266-127	MAL DESTR PROP OVER \$250
1	5080	S		266-127	MAL DESTR PROP OVER \$250
2	5090	A		266-127	MAL DESTR PROP \$250 OR LESS
1	5090	S		266-127	MAL DESTR PROP \$250 OR LESS
27	513A	A		266-126A	MALICIOUS/WANTON DAMAGE
2	513A	H		266-126A	MALICIOUS/WANTON DAMAGE
15	513A	S		266-126A	MALICIOUS/WANTON DAMAGE
2	6040	A		265-13A	ASSLT
2	6040	S		265-13A	ASSLT
18	6050	A		265-13A	A&B
1	6050	H		265-13A	A&B

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arr/chg grp: ALL

totals	chg cd	arr chg typ	grp	statue	description
3	6055	A		265-13A	ASSAULT & BATTERY - FELONY
7	6055	S		265-13A	ASSAULT & BATTERY - FELONY
1	6060	A		265-13B	IND A&B , CHLD UND 14
3	6060	S		265-13B	IND A&B , CHLD UND 14
1	6075	S		265-13C	A & B TO COLLECT MONEY
1	6080	A		265-13D	A&B ON A PUBLIC SERVANT
14	6090	A		265-13D	A&B ON A POLICE OFFICER
1	6094	S		268-32A	INTERFERING AT FIRE SCENE
31	6095	A		268-32B	RESISTING A LAWFUL ARREST
3	6096	A		268-34A	FURN. FALSE NAME OR SS#
2	6100	A		265-13H	IND A&B PERSON 14 OR OVER
8	6100	S		265-13H	IND A&B PERSON 14 OR OVER
1	6140	A		265-15	ASSLT W/ INT TO MURDER
30	6170	A		265-15A	A&B BY DANGEROUS WEAPON
12	6170	S		265-15A	A&B BY DANGEROUS WEAPON
2	6180	S		265-15B	ASSLT DA WE VCTM 65 OR OVER
13	6200	A		265-15B	ASSLT BY DANG WEAP
2	6200	S		265-15B	ASSLT BY DANG WEAP
4	6230	A		265-18	ARM ASSLT W/ INT TO ROB
1	623S	A		265-16	ATT. TO MURDER BY STRANGLING
1	624A	A		265-18	ARM ASSLT W/INT MUR VCTM 65
1	6265	S		265-18C	HOME INVASION WHILE ARMED
2	631D	S		265-43A	CRIMINAL HARASSMENT - MISD.
1	6320	A		265-22 (b)	RAPE
2	6320	S		265-22 (b)	RAPE
1	635A	A		265-23	RAPE & ABUSE CHLD UNDER 16
4	635A	S		265-23	RAPE & ABUSE CHLD UNDER 16
9	6430	A		275-2	THREATENING TO COMMIT A CRIM
12	6430	S		275-2	THREATENING TO COMMIT A CRIM
2	7007	S		269-10 (J)	CARRYING FIREARM/DW SCHOOL
1	7015	A		269-12B	ILL. POSS. BB GUN BY MINOR
2	7020	A		269-10 (a)	CARRY A FIREARM W/O LIC.
2	7080	A		269-12E	DSCHG F/ARM WI IN 500' BLDG
9	8010	A		94C-32	POSS CLASS A W/INT TO DISTRI
8	8020	A		94C-32A	POSS CLASS B W/ INT TO DISTR
1	8030	A		94C-32B	POSS CLASS C W/ INT TO DISTR
4	8040	A		94C-32C	POSS CLASS D W/INT TO DISTRI
1	8040	S		94C-32C	POSS CLASS D W/INT TO DISTRI
3	8050	A		94C-32D	POSS CLASS E W/INT TO DISTRI
1	8050	S		94C-32D	POSS CLASS E W/INT TO DISTRI
1	8090	S		94C-32C	MAN, DIST, DISP, CLASS D SUB
3	8120	A		94C-32J	SCHOOL PROP. NARCOTICS OFF.
3	8130	A		94C-32E	TRAFFIC IN COCAINE
5	8150	A		94C-32E	TRAFFIC IN HEROINE
11	8200	A		94C-33	ILLGL POSS CLASS A SUBSTANCE
1	8210	A		94C-34	ILLGL POSS CLASS A SUBSEQ OF
14	8220	A		94C-34	ILLGL POSS CLASS B SUBSTANCE
1	8220	S		94C-34	ILLGL POSS CLASS B SUBSTANCE

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totals	chg cd	arr chg typ	grp	statue	description
5	8240	A		94C-34	ILLGL POSS CLASS C SUBSTANCE
2	8260	A		94C-34	ILLGL POSS CLASS D SUBSTANCE
1	8260	C		94C-34	ILLGL POSS CLASS D SUBSTANCE
1	8270	A		94C-34	ILLGL POSS CLASS D SUBSEQ OF
8	8280	A		94C-34	ILLGL POSS CLASS E SUBSTANCE
1	8280	S		94C-34	ILLGL POSS CLASS E SUBSTANCE
13	8320	A		94-40	CONSP VIOL. CNTRLLED SUB LAWS
1	8320	S		94-40	CONSP VIOL. CNTRLLED SUB LAWS
8	9370	A		138-34	SELL/DEL ALCO BEV TO MINOR
2	9370	S		138-34	ALLOW MINOR TO POSS.ALCOHOL
1	9390	A		138-34A	LIQ, MINOR PURCHASING
26	9440	A		138-34C	LIQ, MINOR TRNSPRT/CARRY
6	9440	S		138-34C	LIQ, MINOR TRNSPRT/CARRY
13	9550	A		209A-7	VIOL. OF PROTECTIVE ORDER
9	9550	S		209A-7	VIOL. OF PROTECTIVE ORDER
72	955A	A		265-13A	DOMESTIC A & B
16	955A	S		265-13A	DOMESTIC A & B
1	955B	A		209A-6	DOMESTIC ABUSE VIOLATION
1	955H	S		285E-8	HARASSMENT ORDER VIOLATION
2	955K	A		265-13K	A&B ON PERSON OVER 60
1	955K	S		265-13K	A&B ON PERSON OVER 60
7	955L	A		265-13L	RECKLESS ENDG. CHILD U/18
1	9560	A		265-32	THROWING GLASS PUB WAY/BEACH
13	9600	A		268-13B	OBSTRUCTION OF JUSTICE
15	9600	S		268-13B	INTIMIDATION OF A WITNESS
9	9620	A		269-10 (b)	CARRY DANG WEAP
1	9670	S		269-14A	ANNOYING PHONE CALLS, MAKING
1	9680	A		270-16	LITTERING, IMPROPER DISP RUB
6	9690	A		274-6	ATTMPT TO COMMIT A CRIME
1	9730	A		272-16	LEWD, OPEN & GROSS
1	9750	A		272-53	INDECENT EXPOSURE
1	9760	S		272-53	LEWD & LACIVIOUS SPCH/BEHAVI
37	978A	A		BY-LAW A20	OPEN CONTAINER VIOLATION
3	978A	S		BY-LAW A20	OPEN CONTAINER VIOLATION
1	9991	S		276-10	FUGITIVE FROM JUSTICE

1405 <report totals> # INDIV ARRESTED: 553

SEX	RACE	AGE
male = 434	white = 498	adult = 506
female = 119	black = 15	juven = 47
ukn = 0	ind am = 0	ukn = 0
	asian = 2	
	hispanic = 25	ETHNIC
	mid east/ind = 0	-----
	ukn = 13	hispanic = 108

CPD PD.RCCS  
v5.5f

CLINTON POLICE DEPARTMENT  
SUMMARY ARREST CHARGE CODE REPORT

01/04/12 15:18 PAGE 6  
TTYP3 -1

from chg code: ALL from arrest date: 07/01/10 from off: ALL fr geo: ALL  
to chg code: to arrest date: 06/30/11 to off: to geo:  
sort by: CODE (A)dult (J)uv: ALL arr/chg typ: ALL  
arr race: ALL arr/chg grp: ALL  
totals chg cd chg grp statue description  
-----

non = 412  
ukn = 33

Officer id#: ALL OFFICERS from date: 07/01/10 to: 06/30/11  
citation type: 123456789 from time: 00:00 to: 23:59

court code	rsa	desc	total
0	90-8	JOL RESTRICTION/PASSENGERS	3
001	89-9	FAIL. TO YIELD AFTER STOP	3
009	90-25	FALSE INFORMATION TO P.O.	1
024	89-11	FAIL YIELD TO PED. CROSSWALK	1
400	90-24	OPER MV UN-INFL OF LIQUOR	19
410	90-24	OPER MV UN-INFL LIQ 2ND OFF	5
420	90-24	OPER MV UN-INFL LIQ 3RD OR S	2
42A	90-24	OPER MV UN-INFL LIQ 4TH OR S	1
430	90-24	OPER MV UN-INFL OF DRUGS	4
600	90-24	OPER MV RECKLESS TO ENDANGER	4
610	90-24	OPER MV NEGLIG. TO ENDANGER	20
620	90-24	LEAV SCENE AFTER PROP DAMAGE	10
640	90-24	UNAUTH. USE OF MV	5
999	90-7	OPER. W/O HEADLIGHTS	4
1070	90-6	OPER MV FAIL DISPLAY PLATES	1
1080	90-7	DEFECTIVE EQUIPMENT-BUMPER	10
1090	90-20	OPER MV OWNER W/O INSP STICK	6
109B	90-20	INSP, FAIL BY OWN MV INSPCTD	1
1100	90-9	OPERATING AN UNREGISTERED MV	12
1101	90-9	ALLOWING OPER OF UNREGIST MV	1
1103	90-23	OPER. AFT. REVOC. REGISTRAT.	2
1110	90-10	OPER MV W/O BEING LICENSED	20
1120	90-11	OPER MV W/O LIC. IN POSSESS.	3
1130	90-11	OPER MV W/O REGIS.IN POSSESS	2
1160	90-23	OPER MV AFTER LIC. SUSPENDED	6
1161	90-23	OPER MV AFT LIC. SUSP. SUBSQ	8
1170	90-23	OPER MV AFTER LIC. REVOKED	5
1171	90-23	OPER MV AFT. LIC. REV. SUBSQ	1
1180	90-23	OPER AFT/REV/SUSP FOR O.U.I.	2
1190	90-23	ATTACHING PLATES TO A MV	3
1210	90-24I	POSS. OPEN CONTAINER IN M/V	3
1220	90-25	FAIL TO STOP FOR POLICE-MV	5
1230	90-31	720CMR9.06 FOLLOW TO CLOSELY	1
1240	90-34J	OPERATING AN UNINSURED MV	9
1241	90-34J	ALLOWING OPER OF UNINS. MV	2
1270	89-4	MARKED LANES VIOLATION	17
1280	89-4B	FAILURE TO KEEP RIGHT	4
1290	720CMR9.06	FOLLOWING TOO CLOSE	12
1300	90-14	FAIL USE CARE & CAUTION	14
1310	89-9	RED LIGHT VIOLATION	14
1320	89-9	STOP SIGN VIOLATION	15
1350	DPW4-20	DISOBEYING TRAFFIC SIGNAL	2
1370	90-3	NON-RESIDENT FL. TO REGISTRAR	2
1400	90-17/18	SPEEDING 51/30	77
1480	89-7A	FAIL TO DR.RT. APPR. FIRE TR	1
1500	90-7AA	FAIL RESTR CHLD WH. OPER MV	1
1535	90-12(B)	PERMITTING UNLICENSED OPER.	6

Officer id#: ALL OFFICERS from date: 07/01/10 to: 06/30/11  
citation type: 123456789 from time: 00:00 to: 23:59

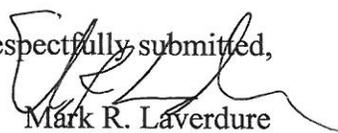
court code	rsa	desc	total
1540	90-13	IMPEDED OPER.	1
1541	90-13B	TEXTING WHILE OPERATING M/V	2
1560	90-14	FAIL TO SLOW @ INTERSECTION	1
1565	90-14	FAIL TO KEEP RIGHT, TURNING	2
1570	90-14B	FAIL TO SIGNAL B4 STOP/TURN	2
1600	90-16	OPER MV W/ UNNECESSARY NOISE	1
1660	90-26A	FAIL REP. ADDR./NAME CHG.REG	3
1661	90-26	FAIL TO FILE ACCIDENT REPORT	4
1690	89-1	FAIL TO KEEP RT.	2
1710	89-4	FAIL KEEP RT W/VIEW OBSTRUCT	1
1720	89-4B	FAIL DRIVE IN RIGHT LANE	9
1730	89-8	FAIL TO YLD-INTERS-MV OPP DI	6
1740	89-8	FAIL TO YLD -INTERS-MV FR RT	1
513A	266-126A	MALICIOUS/WANTON DAMAGE	1
8260	94C-34	ILLGL POSS CLASS D SUBSTANCE	1
grand total:			387

## Conclusion

I want to express my sincere appreciation to your Board, the various Town Departments and the citizens of the Town of Clinton who have contributed to and assisted me in the performance of my duties as Chief of Police.

To the members of the Clinton Police Department and the Civilian Employees for their dedication and performance of duty, for this I am profoundly grateful.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'M. R. Laverdure', with a long horizontal flourish extending to the right.

Mark R. Laverdure  
Chief of Police

**Department of Public Works  
FY 2011 Annual Report  
July 1, 2010 thru June 30, 2011**

I am pleased to submit the Annual Report for the Department of Public Works.

The Department of Public Works FY11 operating budget was \$3,996,395.00.

The Department of Public Works is responsible for the Town of Clinton's Water System, Sanitary Sewer System, Storm Drain System, Street Maintenance, Sanding & Snow Removal, Solid Waste Collection & Disposal, Cemetery Grounds Maintenance & Burials, Shade Tree Maintenance and Fleet Maintenance.

**Road & Sewer Department**

In FY11 the Road Department had a total of 7 employees: Road Foreman Ed Freeland, Scott Paquette, Corey Baird, Roger Henry, Stephen Tencati, Keith O'Malley and Greg Brescia –Town Mechanic.

**Annual Street Maintenance**

The Road Department was busy cleaning catch basins, street sweeping, installing new road signs, painting crosswalks, centerlines, & stop bars.

**Sanitary Sewer Maintenance**

The department is responsible for the operation and maintenance of the seven sewer pumping stations that are located on Berlin Road, Gorham Ave, Kent Street, two on Fox Run Drive, Nathan Dr, & Grove Street. Responsibilities include weekly cleaning of selected main lines throughout Town as part of a regular maintenance program. We also respond to homeowner's requests to assist with sewer plug ups. The Town's vacuum truck was used to clean & cut roots on problem sewer and drainage mains around town.

**Fleet Maintenance**

Preventative Maintenance and other repairs are available to the DPW, Fire & Police Departments. Many Town owned vehicles are serviced and fueled at the DPW Garage.

**Solid Waste Collection & Disposal**

Four employees: Paul Burzenski, Chad Goodmanson, Alex Mercado, Erik Kulis and Patrick Burgwinkel, all worked on the Rubbish Truck during the year.

The Department collected 2036 tons of solid waste curbside. The solid waste was collected with our two collection trucks and transported to Waste Management's Fitchburg landfill. The Solid Waste operation in Clinton is a pay as you throw system. Waste Management's annual cost for disposal was \$155,389.91

Leaf Collection Days in November continued to be successful again this year.

The Sheriff's Dept. Community Service program was utilized to pick up debris on Town streets.

## **Tree and Cemetery Department**

The Department has 4 employees:

Foreman Buddy McRell, Kelly McRell-Labrack, Glen Cronin, John O'Malley

The Cemetery Department performs all services at Woodlawn and Reservoir Pines Cemeteries including: Sale of Lots, opening of graves, preparing for burials and refurbishing gravesites, installing foundations & Veterans Markers, and maintenance of the Woodlawn Cemetery Chapel which is used for indoor services throughout the year and during the harsh winter months.

The following list outlines the yearly services for each cemetery:

- 42 Burials at Woodlawn Cemetery
- 15 Burials at Reservoir Pines Cemetery
- 12 Lots Sold at Reservoir Pines

The Cemetery Department maintains over thirty acres between Woodlawn and Reservoir Pines Cemeteries. Mowing and grounds keeping operations continued throughout the year.

With the Shade Tree Maintenance program the Department works aggressively to address the growing number of requests for tree maintenance. Town trees were evaluated and trimmed or removed as necessary. New trees are also planted upon request.

- 17 Trees removed
- 16 Trees trimmed

## **Water Department**

The Department has 6 employees: Jorge Morales, Raymond O'Malley, Dave Iacobucci, Shawn Chouinard, John McGown, & Michael O'Malley.

Responsibilities include: repairing broken water mains and service connections, flushing & maintaining hydrants, locating and marking mains & services for property owners and utilities, operation & maintenance of three water pump stations Burdett Hill, Cameron Street, North Dike, and three water tanks located on Mulberry Drive and Park Street.

The Department is currently working aggressively to replace many damaged water meters throughout Town. Water Rates have remained the same since spring 2006. According to the 2011 MWRA Water & Sewer Retail Rate Survey, which is provided by the MWRA Advisory Board, the Town of Clinton's water/sewer rates are still among the lowest of the MWRA served communities.

Phase II dam inspections were completed on the Heywood, Upper Lyndie, and Fitch Basin Dams on Town of Clinton owned land in Sterling. A decision will be made on whether to repair the dams or breach the dams to bring the land back to its natural state.

## Harold P. Naughton Water Treatment Facility

The Water Treatment Facility has 2 employees: Robert Sweatland & Gary Notaro.

The Safe Water Drinking Act is administered by the U.S. Environmental Protection Agency (US EPA) and enforced by the Commonwealth of Massachusetts Department of Environmental Protection (D.E.P.). The Water Filtration Plant was constructed to comply with EPA regulations concerning the Surface Water Treatment Rule, which requires all surface water to be filtered.

All water used by the Town of Clinton is supplied by the Massachusetts Water Resources Authority from the Wachusett Reservoir. The reservoir is owned and operated by the Department of Conservation & Recreation (DCR).

Routine operations include taking weekly samples; these samples are analyzed for microbiological contamination and on a periodic basis for organic compounds, heavy metals, lead & copper; a certified laboratory performs all tests. All reports are on permanent file at the Water Filtration Plant Office. The Town of Clinton is currently in compliance with all EPA & DEP Drinking Water Standards.

### Upcoming Water Department Projects

#### **Water Tank**

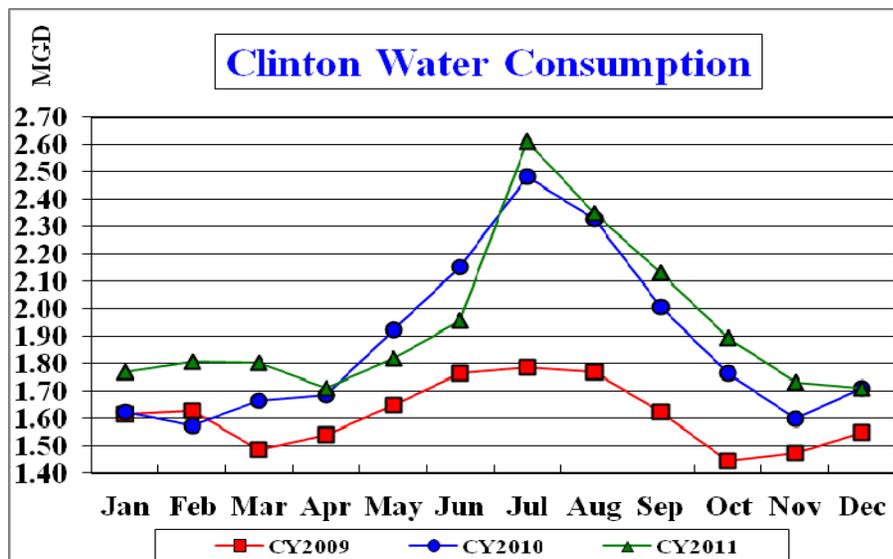
A new concrete tank water tank with a capacity to hold 1.5 million gallons is under construction on Park Street, it is scheduled to be completed by Summer 2011.

#### **Capital Improvement Plan Grant**

The Capital Improvement Plan grant program implements MassDEP goals to assist public water systems in outlining needed capital improvements over a twenty year time frame. The plan will allow the Department to define short and long term needs to continue to meet public health standards and provide efficient operations and delivery to public water customers.

#### **Water Conservation Grant**

The Goals of this project are to promote water conservation and identify and reduce unaccounted for water loss from the Town of Clinton's water system.



## **Current Department of Transportation Projects in Clinton**

The Department of Public Works was successful in receiving grants for two projects that will be funded by the State's Transportation Improvement Program (TIP).

### **Water Street/Bolton Road Construction Project**

The Clinton Water Department has nearly completed replacing water services on Water Street in an effort to abandon the old 6-inch line. Water services are being tied over to the newer 12-inch line in order to abandon the entire 6-inch main before the Department of Transportation begins the 1.2 Mile Reconstruction of Water Street and Bolton Road including sidewalks, granite curbing, drainage improvements and full depth paving. The design for the project is currently underway. DOT's current construction estimate is \$3,951,810.00.

### **High Street Reconstruction from Water Street to Allen Street**

.6 Miles - Reconstruction of High Street including a combination of sidewalks, curbing, drainage improvements and full depth paving. Department of Transportation estimates the project at 1.2 Million. The design for the project is preliminary.

## **Future DOT Road Projects in Clinton**

### **Boylston – Clinton – Drainage Improvements on Route 70**

This project will eliminate five existing stormwater drainage discharges that direct runoff and release materials to the Wachusett Reservoir. The work will include modification to the existing drainage system, installation of new structures and piping, minor roadway improvements to address a sight distance issue and related resurfacing. Department of Transportation estimates the project at \$2,360,370.00. DOT construction to begin in the Fall of 2011.

### **Massachusetts Community Development Block Grant**

Town of Clinton was awarded \$512,500 for installation of a new water line and road reconstruction on lower Grove Street. Work to begin in the summer of 2012.

Sincerely,  
Christopher J. McGown  
Superintendent of Public Works

### FY11 DPW Gross Compensation

Cemetery Foreman	McRell, Louis	\$ 60,943.82
Cemetery Department	Cronin, Glen	\$ 60,881.53
Cemetery Department	McRell-Labrack, Kelly	\$ 50,741.32
Cemetery Department	O'Malley, John	\$ 53,116.55
Road Foreman	Freel, Edward	\$ 66,924.74
Road Department	Baird, Corey	\$ 55,879.16
Road Department	Goodmanson, Chad	\$ 57,431.78
Road Department	Henry, Roger	\$ 55,673.86
Road Department	Kulis, Erik	\$ 44,910.81
Road Department	O'Malley, Keith	\$ 46,185.86
Road Department	Paquette, Scott	\$ 59,444.82
Road Department	Tencati, Stephen	\$ 62,530.60
Mechanic	Brescia, Greg	\$ 54,712.91
Rubbish Department	Burgwinkel, Patrick	\$ 20,251.00
Rubbish Department	Burzenski, Paul	\$ 29,942.09
Rubbish Department	Jakubowicz, Lawrence	\$ 4,356.00
Rubbish Department	Mercado, Alex	\$ 49,041.21
Water Department Foreman	Morales, Jorge	\$ 68,807.97
Water Department	Chouinard, Shawn	\$ 51,946.02
Water Department	Iacobucci, David	\$ 61,711.21
Water Department	McGown, John	\$ 65,546.74
Water Department	O'Malley, Michael	\$ 49,406.16
Water Department	O'Malley, Raymond	\$ 55,392.32
Water Filtration Plant	Notaro, Gary	\$ 70,175.56
Water Filtration Plant	Sweatland, Robert	\$ 81,390.07
Secretary	Prophet, Lisa	\$ 35,914.83
Superintendent	McGown, Christopher	\$ 98,348.76

FISCAL YEAR 2011  
COLLECTOR OF TAXES

Dear Board Members:

I herewith submit this report as Town Collector for the Town of Clinton for Fiscal Year 2011.

I would like to take this opportunity to thank the Board for their support and cooperation during the past year.

Sincerely,

Kathleen G. O'Malley  
Town Collector

**RECAPITULATION OF COLLECTORS RECEIPTS**

DR.

**TOTAL COLLECTIONS JULY1, 2010 TO JUNE 30, 2011**

Total Real Estate Tax	\$16,478,818.02
Total Personal Property Tax	934,619.09
Total Motor Vehicle Tax	1,107,492.14
Total Water Rates	2,340,356.05
Total Water & Sewer Interest	23,959.62
Total Labor & Material	962.93
Total Water Liens Added to Taxes	154,686.43
Total Trash Stickers	434,859.50
Total Interest, Costs of Taxes	116,386.21
Total Urban Development action Grants	117,356.13
Total RMV'S	20,180.00
<u>Total Miscellaneous Receipts.</u>	<u>21,500.00</u>
<b><u>TOTAL</u></b>	<b><u>\$21,751,176.12</u></b>
	<b>CR.</b>
<b>PAYMENTS TO TREASURER</b>	<b>21,751,176.12</b>

**FISCAL 2011 REPORT**

**REAL ESTATE TAXES - FISCAL 2006**

	DR.		
OUTSTANDING JUNE 30, 2010		8,374.69	
			<b>8,374.69</b>
	CR.		
PAYMENTS TO TREASURER		0.00	
ABATEMENTS		0.00	
ADDED TO TAX TITLE		0.00	
OUTSTANDING JUNE 30, 2011		8,374.69	<b>8,374.69</b>

**REAL ESTATE TAXES - FISCAL 2010**

	DR.		
OUTSTANDING JUNE 30, 2010		583,601.70	
COMMITTED PER ASSESSORS WARRANT		0.00	
REFUNDS		16,545.03	
DEBIT ADJUSTMENT		0.20	<b>600,146.93</b>
	CR.		
PAYMENTS TO TREASURER		249,973.39	
ABATEMENTS & EXEMPTIONS		15,760.12	
ADDED TO SUBSEQUENT TAX TITLE		334,413.42	
OUTSTANDING JUNE 30, 2011		0.00	<b>600,146.93</b>

**REAL ESTATE TAXES - FISCAL 2011**

	DR.		
COMMITTED PER ASSESSORS WARRANT		16,856,629.73	
		0.00	
REFUNDS		29,818.85	
		0.00	<b>16,886,448.58</b>
	CR.		
PAYMENTS TO TREASURER		16,228,844.63	
ABATEMENTS & EXEMPTIONS		169,527.95	
RESCINDED ABATEMENT		108.72	
TAX DEFERRAL		2,375.78	
OUTSTANDING JUNE 30, 2011		485,591.50	<b>16,886,448.58</b>

**PERSONAL PROPERTY TAX-FISCAL 2008**

	DR.		
OUTSTANDING JUNE 30, 2010		11,338.18	
			<b>11,338.18</b>
	CR.		
PAYMENTS TO TREASURER		0.00	
ABATEMENT		0.00	

TRANSFER TO ABATED P.P.	11,338.18	
OUTSTANDING JUNE 30, 2011	0.00	<b>11,338.18</b>

**PERSONAL PROPERTY TAX-FISCAL 2009**

	DR.		
OUTSTANDING JUNE 30, 2010		10,712.28	
			<b>10,712.28</b>
	CR.		
PAYMENTS TO TREASURER		0.00	
ABATEMENT		0.00	
OUTSTANDING JUNE 30, 2011		10,712.28	<b>10,712.28</b>

**PERSONAL PROPERTY TAX-FISCAL 2010**

	DR.		
OUTSTANDING JUNE 30, 2010		16,328.18	
REFUNDS		0.00	<b>16,328.18</b>
	CR.		
PAYMENTS TO TREASURER		449.81	
ABATEMENTS		0.00	
OUTSTANDING JUNE 30, 2011		15,878.37	<b>16,328.18</b>

**PERSONAL PROPERTY TAX-FISCAL 2011**

	DR.		
COMMITTED PER ASSESSORS WARRANTS		956,628.15	
ADJUSTMENT		0.31	
REFUNDS		2,144.78	<b>958,773.24</b>
	CR.		
PAYMENTS TO TREASURER		934,169.28	
ABATEMENTS		6,228.54	
OUTSTANDING JUNE 30, 2011		18,375.42	<b>958,773.24</b>

**ABATED PERSONAL PROPERTY TAX**

	DR.		
OUTSTANDING JUNE 30, 2010		132,075.01	
TRANSFERRED FROM P.P.-2008		11,338.18	<b>143,413.19</b>
	CR.		
OUTSTANDING JUNE 30, 2011		143,413.19	<b>143,413.19</b>

**WATER LIENS ADDED TO T/XES-FISCAL 2011**

	DR.		
COMMITTED PER ASSESSORS WARRANT		187,632.66	
REFUNDS		104.68	
			<b>187,737.34</b>
	CR.		
PAYMENTS TO TREASURER		148,658.89	
ABATEMENTS		241.53	
OUTSTANDING JUNE 30, 2011		38,836.92	<b>187,737.34</b>

**WATER LIENS ADDED TO T/ XES-FISCAL 2010**

	DR.		
OUTSTANDING JUNE 30,2010		19,030.14	
		0.00	<b>19,030.14</b>
	CR.		
PAYMENTS TO TREASURER		6,027.54	
TRANSFERRED TO TAX TITLE		13,002.60	
ABATEMENT		0.00	
OUTSTANDING JUNE 30, 2011		0.00	<b>19,030.14</b>

**LABOR & MATERIAL**

	DR.		
OUTSTANDING JUNE 30,2010		437.93	
COMMITTED		825.00	<b>1,262.93</b>
	CR.		
PAYMENTS TO TREASURER		962.93	
TRANSFERRED TO W.L.A.T.		150.00	
ABATEMENT		0.00	
OUTSTANDING JUNE 30, 2011		150.00	<b>1,262.93</b>

**WATER RATES**

	DR.		
OUTSTANDING JUNE 30,2010		319,722.44	
REFUNDS		100.52	
CHARGES COMMITTED		2,621,312.19	<b>2,941,135.15</b>
	CR.		
PAYMENTS TO TREASURER		2,340,356.05	
ADJUSTMENT		0.00	
ABATEMENTS		19,841.92	
ADDED TO W.L.A.T.		187,482.66	
OUTSTANDING JUNE 30, 2011		393,454.52	<b>2,941,135.15</b>

**WATER & SEWER INTEREST**

	DR.		
INTEREST COLLECTED		23,959.62	<b>23,959.62</b>
	CR.		
PAYMENTS TO TREASURER		23,959.62	<b>23,959.62</b>

**ABATED EXCISE TAX**

	DR.		
OUTSTANDING JUNE 30, 2010		189,820.79	
TRANSFER FROM ABATED 2008 EXCISE		23,256.20	<b>213,076.99</b>

	CR.		
PAYMENTS TO TREASURER		5,565.67	
ABATEMENT		29.17	
OUTSTANDING JUNE 30, 2011		207,482.15	<b>213,076.99</b>

**MOTOR VEHICLE EX CISE-2008**

	DR.		
OUTSTANDING JUNE 30, 2010		30,948.77	
REFUNDS		233.45	<b>31,182.22</b>

	CR.		
PAYMENTS TO TREASURER		7,714.45	
ABATEMENTS		211.57	
TRANSFERRED TO ABATED EXCISE		23,256.20	
OUTSTANDING JUNE 30, 2011		0.00	<b>31,182.22</b>

**MOTOR VEHICLE EX CISE-2009**

	DR.		
OUTSTANDING JUNE 30, 2010		52,304.74	
COMMITTED PER ASSESSORS WARRANT		687.60	
REFUNDS		511.78	<b>53,504.12</b>

	CR.		
PAYMENTS TO TREASURER		21,985.13	
ABATEMENTS		728.03	
OUTSTANDING JUNE 30, 2011		30,790.96	<b>53,504.12</b>

**MOTOR VEHICLE EX CISE-2010**

	DR.		
OUTSTANDING JUNE 30, 2010		136,178.57	
COMMITTED PER ASSESSORS WARRANT		124,591.40	
REFUNDS THRU ABATEMENTS		6,522.40	<b>267,292.37</b>

	CR.		
PAYMENTS TO TREASURER		199,779.54	
ABATEMENTS		10,289.31	
OUTSTANDING JUNE 30, 2011		57,223.52	<b>267,292.37</b>

**MOTOR VEHICLE EX CISE- 2011**

	DR.		
COMMITTED PER ASSESSORS WARRANTS		1,079,467.46	
ADJUSTMENT		31.25	
REFUNDS THRU ABATEMENTS		8,020.12	<b>1,087,518.83</b>

	CR.		
PAYMENTS TO TREASURER		872,447.35	
ABATEMENTS		18,945.55	
OUTSTANDING JUNE 30, 2011		196,125.93	<b>1,087,518.83</b>

**URBAN DEVELOPMENT ACTION GRANT**

	DR.	
CHARGES COLLECTED, BUT NOT COMMITTED		<u>117,356.13</u>
	CR.	
PAYMENTS TO TREASURER		<u>117,356.13</u>

**TRASH STICKERS**

	DR.	
TRASH STICKERS SOLD		<u>434,859.50</u>
	CR.	
PAYMENTS TO TREASURER		<u>434,859.50</u>

**MISCELLANEOUS RECEIPTS**

	DR.	
COLLECTED FOR PREPARING CERTIFICATES OF MUNICIPAL LIENS		<u>21,500.00</u>
	CR.	
PAYMENTS TO TREASURER		<u>21,500.00</u>

**INTEREST & COSTS COLLECTED**

	DR.		
INTEREST COLLECTED		71,609.07	
REFUND		20.00	
COSTS COLLECTED		<u>44,757.14</u>	<u>116,386.21</u>
	CR.		
PAYMENTS TO TREASURER			<u>116,386.21</u>

**REGISTRY OF MOTOR VEHICLES FLAGGINGS**

	DR.	
CHARGES COLLECTED, BUT NOT COMMITTED TO COLLECTOR		<u>20,180.00</u>
	CR.	
PAYMENTS TO TREASURER		<u>20,180.00</u>



















**Town Employees Federal Tax Account**

Payroll Deductions from July 1, 2010 to June 30, 2011 \$ 2,221,918.24  
 Paid to Internal Revenue Service \$ 2,221,918.24

**Town Employees State Tax Account**

Payroll Deductions from July 1, 2010 to June 30, 2011 \$ 1,056,689.19  
 Paid to Commonwealth of MA Dept of Revenue \$ 1,056,689.19

**Town Employees Medicare Tax Account**

Payroll Deductions from July 1, 2010 to June 30, 2011 \$ 243,756.82  
 Paid to Internal Revenue Service \$ 487,513.42

**Treasurers Debt Statement - as of 06/30/11**

<u>Purpose of Loan</u>	<u>June 30th, 2010 Balance</u>	<u>Annual Payment</u>	<u>Amount Outstanding</u>
Building	\$ 1,516,000	\$ (212,000)	\$ 1,304,000
Dept Equipment	\$ 255,000	\$ (76,000)	\$ 179,000
School Buildings	\$ 4,977,500	\$ (392,500)	\$ 4,585,000
School Other	\$ 2,075,000	\$ (210,000)	\$ 1,865,000
Sewer	\$ 20,000	\$ (5,000)	\$ 15,000
Other Borrowings	\$ 3,517,500	\$ (256,000)	\$ 3,261,500
School Buildings	\$ 6,862,500	\$ (762,500)	\$ 6,100,000
Water	\$ 11,794,662	\$ (903,450)	\$ 10,891,212

**Unissued Notes and Bonds - as of 06/30/11**

<u>Purpose of Loan</u>	<u>Amount</u>	<u>Retired</u>	<u>Amount Outstanding</u>
Water	\$ 50,000.00	\$ (50,000.00)	\$ -
Other	\$ 183,000.00	\$ -	\$ 183,000.00

**Total Outstanding Debt**

**\$ 28,383,712.00**

**Reconciliation of Treasurer's Cash Receipts**

<u>Disbursements</u>		
Cash Book Balance June 30, 2011	\$ 9,813,723.18	\$ 9,813,723.18
Cash In Banks and Office June 30, 2011	\$ 9,813,723.18	\$ 9,813,723.18

**Balances per Bank Statements June 30, 2011**

Ma Municipal Depository Trust	\$ 44,672.00
Stabilization Fund	\$ 761,309.83
Cemetery Trust Fund	\$ 183,735.55
Community Development Trust	\$ 286,306.37
200 Year Celebration	\$ 47,686.94
Cultural Council	\$ 9,667.83
Water & Sewer Enterprise	\$ 526.47
C & ED Various Accounts	\$ 742,908.29
Planning Board Escrow	\$ 242,146.40
Student Activity Account	\$ 152,598.86
School Lunch	\$ 360,511.01
Corcoran House Trust	\$ 235,521.86
Law Enforcement	\$ 144,250.72
Ambulance Enterprise	\$ 305,407.93
Rauscher Farm	\$ 16,779.08
Avidia Bank Depository Accts	\$ 5,518,373.97
Eastern Bank Depository	\$ 761,320.07

**\$ 9,813,723.18** \$ -

## TOWN ACCOUNTANT

The Honorable Board of Selectmen:

The following is a report of all expenditures, reserve fund transfers, and revenues reported for the Town of Clinton during the fiscal year 2011.

Respectfully submitted,

### GENERAL FUND - EXPENDITURES

Town Meeting Moderator Salary	100.00
Moderator Miscellaneous Expense	50.00
Town Administrator Salary	101,229.00
Administrative Assistant Salary	40,254.00
Selectmen Salaries	10,325.00
Selectmen Other Wages	683.00
Medicaid Billing Service	8,814.00
Encumbered Medicaid Billing	1,537.00
Selectmen Miscellaneous Expense	11,026.00
Encumbered Selectmen Miscellaneous	119.00
Selectmen Prior Year Bill	174.00
Recycling Expense	21,538.00
Computer Equipment	2,512.00
Finance Committee Miscellaneous Exp.	1,712.00
Town Accountant Salary	56,368.00
Asst. Town Accountant Salary	19,783.00
Accountant Miscellaneous Expense	2,812.00
Accountant Computer Expense	3,351.00
Assessor Salary	51,696.00
Assessor Clerk Salary	37,636.00
Assessor Member Salary	50,081.00
Assessors Miscellaneous Expense	11,690.00
Encumbered Assessor Miscellaneous	96.00
Treasurer Salary	55,836.00
Asst. Treasurer Salary	17,339.00
Automatic Data Processing	25,778.00
Treasurer Miscellaneous Expense	8,741.00
Encumbered Treasurer Miscellaneous	19.00
Tax Title Expense	38,808.00
Tax Collector Salary	51,773.00
Asst. Tax Collector Salary	25,606.00

**GENERAL FUND - EXPENDITURES**

Tax Collector Other Wages	4,480.00
Tax Collector Miscellaneous Expense	38,988.00
Solicitor Litigation	89,190.00
Solicitor Miscellaneous Expense	648.00
Personnel Board Expense	329.00
Weeks Fund Treasurer Salary	150.00
Civic Fund	1,500.00
Town Audit	28,000.00
Liability Insurance	6,983.00
Copy Machine Expense	2,928.00
Town Clerk Salary	54,994.00
Asst. Town Clerk Salary	40,253.00
Street Listing Expense	500.00
Town Clerk Miscellaneous Expense	4,454.00
Encumbered Town Clerk Miscellaneous	137.00
Registrars Salaries	3,850.00
Election/Registration Miscellaneous	28,478.00
Census Miscellaneous Expense	4,867.00
Conservation Commission Misc Expense	1,346.00
Planning Board Miscellaneous Expense	1,412.00
Zoning Board of Appeals Misc Expense	884.00
Montachusett Regional Planning Commission	3,848.00
Economic Development Clerk Salary	3,916.00
Economic Development Misc. Expense	2,718.00
Town Hall Custodian	38,695.00
Town Hall Other Wages	10,350.00
Town Hall Heat, Light & Power	55,129.00
Town Hall Repairs	9,223.00
Town Hall Miscellaneous Expense	7,945.00
Encumbered Town Report Expense	6,500.00
Blanket Insurance	174,724.00
<i>Total General Government:</i>	1,284,905.00

Police Chief Salary	114,455.00
Police Sergeants Salaries	292,782.00
Police Lieutenant Salary	84,393.00
Patrolmens Salaries	1,061,659.00
Police Clerk Salary	31,513.00
Dispatchers Salaries	114,180.00
Police Overtime Pay	154,075.00
Police Longevity Pay	13,900.00
Police Holiday Pay	79,645.00
Police Compensatory Court Time	29,063.00

## **GENERAL FUND - EXPENDITURES**

Police Sick Day Buy Back	31,075.00
Police Pensions	35,545.00
Police Incentive	1,800.00
Police Quinn Bill Incentive	247,692.00
Police Heat, Light & Power	38,665.00
Police Building Maintenance	3,488.00
Police New Radio Maintenance	66.00
Police Traffic Signs	250.00
Police Station Cleaning Service	28,499.00
Police Training & Education	5,980.00
Police Uniforms	27,694.00
Police Miscellaneous Expense	94,598.00
Encumbered Police Miscellaneous Expn	330.00
Police Rifle Range	1,007.00
Fire Chief Salary	94,565.00
Deputy Chief Salary	66,963.00
Captain/Acting Captain Salary	180,475.00
Fire Fighters Salaries	717,530.00
Call Fire Fighters Salaries	5,567.00
Fire Alarm Electrician	5,265.00
Fire Clerk	1,176.00
Fire Overtime	229,094.00
Fire Longevity	12,460.00
Fire Holiday Pay	57,826.00
Fire Sick Day Buy Back	19,663.00
Fire Pensions	22,337.00
Fire Incentive	14,460.00
Fire Uniform Allowance	16,675.00
Fire Heat, Light & Power	20,247.00
Fire H,L,P Encumbered	30.00
Fire Apparatus Repair/Maintenance	23,008.00
Fire Building Repair/Maintenance	5,672.00
Fire Alarm Expense	11,910.00
Encumbered Fire Alarm Expense	43.00
Fire Radio Service	4,297.00
Encumbered Fire Radio	1,801.00
Fire Training	3,500.00
Fire Uniforms	4,937.00
Encumbered Fire Uniforms	1,835.00
Fire Miscellaneous	25,131.00
Fire Hose	1,192.00
Respiratory Equipment	1,986.00
Building Inspector Salary	62,493.00
Building Inspector Clerk	31,155.00

**GENERAL FUND - EXPENDITURES**

Building Inspector Other Wages	150.00
Building Inspector Miscellaneous Expense	4,033.00
Gas Inspector Misc Expense	98.00
Plumbing Inspector Misc Expense	98.00
Sealers Salary	6,620.00
Sealers Miscellaneous Expense	654.00
Wire Inspector Salary	16,457.00
Wire Inspector Miscellaneous Expense	1,574.00
Civil Defense Miscellaneous Expense	1,984.00
Dog Officer Salary	9,997.00
Dog Officer Fees	300.00

*Total Public Safety:* 4,177,612.00

School Salaries	8,387,498.00
School Salaries Encumbered	945,896.00
School Pensions	54,210.00
School Dept. Fuel & Gas	290,967.00
School Electricity	368,043.00
School Gas & Elec Enc	4,743.00
School Maintenance & Repair	120,902.00
School Maintenance & Repair Encumbered	10,545.00
School Incidentals	331,441.00
School Incidentals Encumbered	24,461.00
School Dept. Transportation	435,798.00
School Books & Supplies	59,889.00
School Books & Supplies Encumbered	64,030.00
Schoolhouse Supplies	53,621.00
Schoolhouse Supplies Encumbered	33,731.00
School Graduation Expense	4,822.00
School Athletic Expenses	71,383.00
Vocational Education Expense	1,867,377.00
Special Needs Salaries	2,392,248.00
Encumbered Special Needs Salaries	312,875.00
Special Needs Expenses	1,561,546.00
Special Needs Expenses Encumbered	5,739.00

*Total Education:* 17,401,765.00

Public Works Superintendent	18,724.00
Road Wages	216,366.00
DPW Clerk Wages	7,381.00
DPW Overtime	8,330.00
DPW Longevity	2,400.00
Fuel Tank & Pump Maintenance	102,403.00
DPW Street Maintenance	60,000.00

**GENERAL FUND - EXPENDITURES**

DPW Miscellaneous Expense	76,496.00
DPW Miscellaneous Expense Encumbered	32.00
DPW Discretionary Equipment	16,009.00
DPW Snow & Ice Removal	320,403.00
Street Lights	99,260.00
Pick up Dead Animals Service	2,300.00
Cemetery/Tree Wages	189,112.00
Cemetery/Tree Overtime	10,021.00
Cemetery/Tree Miscellaneous Expense	9,522.00
Tree Removal Services	12,991.00
DPW Clothing Allowance	5,625.00
DPW Building Maintenance	6,000.00
<i>Total Dept. of Public Works:</i>	<u>1,163,375.00</u>

Health Inspector Salary	40,495.00
Health Board Salaries	900.00
Health Agent Salary	24,524.00
Health Board Miscellaneous Expense	2,772.00
Physician Salary	9,997.00
Health Nurse Salary	49,552.00
Nurse Miscellaneous Expense	471.00
COA Director Salary	46,233.00
COA Van Driver Salary	28,911.00
COA Dispatcher Salary	25,597.00
COA Outreach Worker	14,560.00
COA Other Wages	2,681.00
COA Van Maintenance	455.00
COA Home Care	750.00
COA Programs	3,468.00
COA Van Maintenance Enc	57.00
COA Miscellaneous Expense	15,320.00
Veterans Agent Salary	37,444.00
Veterans Benefits	236,825.00
Veterans Miscellaneous Expense	616.00
Other Social Services Rent	4,800.00
Commission on Disability Expense	266.00
WHEAT Miscellaneous Expense	12,000.00
<i>Total Human Services:</i>	<u>558,694.00</u>

Library Director Salary	59,711.00
Librarians Salaries	95,516.00
Childrens Librarian Salary	41,592.00
Library Custodian Salary	24,644.00
Library Heat, Light & Power	18,643.00

**GENERAL FUND - EXPENDITURES**

Library Repairs	4,620.00
Library Books/Av/Periodicals	47,686.00
Library Public Programs	142.00
Library Miscellaneous Expense	16,868.00
Library Technology	3,923.00
Recreation Wages	16,869.00
Recreation Miscellaneous Expense	5,657.00
Encumbered Recreation Expense	116.00
Park Office Heat,Light & Power	3,527.00
Parks & Rec Director Salary	51,669.00
Park Manager Salary	33,481.00
Bookkeeper Salary	33,481.00
Park Wages	12,500.00
Park Heat, Light & Power	1,131.00
Foster Fountain Maintenance	1,000.00
Park Miscellaneous Expense	6,954.00
Duffy Park Expense	975.00
Central Park Expense	9,499.00
Memorial/Veterans Day Expense	2,970.00
Fuller Field Caretaker Salary	15,572.00
Fuller Field Other Wages	2,060.00
Encumbered Fuller Field Miscellaneous	30.00
Article 19 Fuller Field Repairs	2,907.00
Fuller Field Miscellaneous Expense	13,712.00
<i>Total Culture and Recreation:</i>	527,455.00
School Choice Assessment	408,774.00
Special Education	1,307.00
Charter School Assessment	303,185.00
RMV Non-Renewal Surcharge	16,540.00
Mosquito Control	16,023.00
Air Pollution Control	3,325.00
Worcester Regional Transit	8,908.00
<i>Total State Assessments:</i>	758,062.00
Debt Retirement, Principal	1,851,500.00
Debt Retirement, Interest	825,604.00
Short Term Borrowing	1,500.00
<i>Total Debt Service:</i>	2,678,604.00
Pensions/Annuity/COLAs	4,439.00
Chpt 59A Retirement Expense	7,456.00
Retirement Board Appropriation	1,801,568.00

**GENERAL FUND - EXPENDITURES**

Workers Comp Insurance	95,000.00
State Unemployment Tax	23,270.00
Health & Life Insurance	3,263,767.00
Medicare Tax	<u>237,972.00</u>
<i>Total Other Expenditures:</i>	<u>5,433,472.00</u>

**TOTAL GENERAL FUND EXPENDITURES:** **\$ 33,983,944.00**

**RESERVE FUND TRANSFERS**

Original Appropriation	\$ 70,000.00
#1, COA Other Wages	6,400.00
#2, Library Repairs	4,620.00
#3, Town Hall Other Wages	2,000.00
#4, Dog Officer Fees	200.00
#5, Civil Defense Miscellaneous	11,825.00
#6, Veteran's Benefits	20,000.00
#7, Town Hall Other Wages	4,000.00
FY11 Year End Transfers	<u>20,000.00</u>
<i>Total Reserve Fund Transfers:</i>	<u>69,045.00</u>

## GENERAL FUND - REVENUE

### Taxes:

Personal Property	932,475.00
Real Estate	16,432,563.00
Motor Vehicle Excise	1,093,009.00
<i>Total Tax Revenue:</i>	<u>18,458,047.00</u>

### Other Tax-Related Revenue:

Sale of Tax Foreclosures	128,956.00
Tax Liens Redeemed	442,971.00
Penalty & Interest	216,384.00
Payments In Lieu of Taxes	181,430.00
<i>Total Other Tax-Related Revenue:</i>	<u>969,741.00</u>

### Other General Fund Revenue:

Cemetery Interments/Foundations	21,908.00
Assessors Fees	1,833.00
Planning,Zoning,Conservation	5,150.00
Cable Fees	2,241.00
Police Fees	17,864.00
Sealer Fees	2,500.00
Board Of Health Fees	10,720.00
RMV Fees	20,180.00
Town Clerk Fees	16,434.00
Selectmen Fees	26,850.00
Fire Inspections & Fees	13,520.00
Building Inspections	312,905.00
Electrical Permits	35,055.00
DPW Fees	3,700.00
Impact Fees	5,000.00
Fines & Forfeits	2,310.00
COA Van/WRTA	41,694.00
Investment Income	26,612.00
Transfers from Bond Premium Fund	882.00
Indirect Charges,Enterprise Funds	137,950.00
Miscellaneous	15,279.00
<i>Total Other General Fund Revenue:</i>	<u>720,587.00</u>

### State Aid:

School, Chapter 70	10,408,392.00
Unrestricted General Government Aid	1,991,079.00
Construction, School Property	1,293,897.00
Medicaid	230,565.00
Charter Reimbursement	169,451.00

Abatements	90,545.00
Police Career Incentive	11,451.00
Veterans Benefits	115,272.00
Other State Revenue	24,602.00
<i>Total State Aid:</i>	<u>14,335,254.00</u>

**TOTAL GENERAL FUND REVENUE:** **\$ 34,483,629.00**

	A	B	C	D
1				
2	<b><u>SPECIAL REVENUE FUNDS</u></b>			
3		<b><u>REVENUE</u></b>		<b><u>EXPENSES</u></b>
4	<b>Insurance Restitution:</b>			
5	Police Department	-		4,172.00
6	Fire Department	3,161.00		8,718.00
7	School Department	1,524.00		3,392.00
8	DPW	6,869.00		3,001.00
9	<i>Total Insurance Restitution Revenue:</i>	11,554.00		19,283.00
10				
11	<b>State Grants:</b>			
12	Extended Polling Hours Grant	2,547.00		2,510.00
13	Library Grant	16,126.00		11,815.00
14	Arts Council	5,070.00		10,130.00
15	COA Grant	17,668.00		15,979.00
16	Education Grants	1,650,692.00		1,661,194.00
17	Public Safety Grants	33,703.00		29,862.00
18	Public Works	1,850.00		11,510.00
19	Massachusetts Emergency Management	0.00		2,000.00
20	<i>Total State Grant Revenue:</i>	1,727,656.00		1,745,000.00
21				
22	<b>Federal Grants:</b>			
23	Federal Public Safety	50,895.00		40,065.00
24	Economic Development	513,584.00		423,600.00
25	Federal Emergency Management	1,265.00		9,755.00
26	Federal Education	1,897,521.00		1,991,555.00
27	<i>Total Federal Grant Revenue:</i>	2,412,370.00		2,424,910.00
28				
29	<b>School Lunch Program:</b>			
30	School Lunch Charges	323,990.00		776,599.00
31	School Lunch Grant Revenue	454,686.00		
32	Interest Income	2,408.00		
33	<i>Total School Lunch Program:</i>	781,084.00		776,599.00
34				
35	<b>Inspector Fees:</b>			
36	Gas Inspector	40,739.00		38,825.00
37	Plumbing Inspector	12,976.00		845.00
38	<i>Total Inspector Fee Revenue:</i>	53,715.00		39,670.00
39				
40	<b>Other Revolving Funds:</b>			
41	Bond Premium	-		882.00
42	PEG Access Grant	112,148.00		-
43	CEMA Donations	246.00		322.00
44	Library Donations	40.00		1,492.00
45	School Donations	14,360.00		14,640.00
46	Rauscher Donations	-		1,077.00
47	School Student Activity	270,740.00		268,710.00
48	Olde Home Day	23,994.00		16,492.00
49	School Custodial Details	388.00		388.00
50	School Athletic	63,334.00		78,306.00
51	School Enrichment	65,851.00		55,135.00
52	Preschool Tuition	68,236.00		74,661.00
53	Daycare Tuition	46,708.00		32,018.00
54	PCHP,CPC Donations	7,502.00		9,937.00

	A	B	C	D
55	Fuller Field Donations	1,150.00		875.00
56	Children's Holiday Party	4,225.00		4,627.00
57	Council on Aging	2,369.00		537.00
58	Recreation	40,045.00		26,753.00
59	School Property Rental	27,500.00		6,723.00
60	Town Hall Rental	4,150.00		7,875.00
61	<i>Total Other Revolving Funds Revenue:</i>	<u>752,986.00</u>		<u>600,568.00</u>
62				
63	<b>Capital Projects:</b>			
64	Art 14/08 Site Assessment	-		43,073.00
65	Art 10/08 Clamshell Road	-		2,125.00
66	Art 15/09 Parks & Rec Center	-		988.00
67	Art 11/11 Site Assessment	-		4,809.00
68	Art 9/11 Police Cruisers	-		57,846.00
69	Water Tank	1,868,198.00		1,060,732.00
70	Senior Center	-		(500.00)
71	State Highway - Chapter 90	17,500.00		3,858.00
72	<i>Total Capital Projects Revenue:</i>	<u>17,500.00</u>		<u>1,172,931.00</u>
73				
74	<b>Enterprise Funds:</b>			
75	Water/Sewer	2,556,774.00		2,705,144.00
76	Ambulance	384,642.00		378,428.00
77	Rubbish Removal	435,914.00		447,812.00
78	<i>Total Enterprise Fund Revenue:</i>	<u>3,377,330.00</u>		<u>3,531,384.00</u>
79				
80	<b>Trust Funds:</b>			
81	Cemetery	24,236.00		1,163.00
82	Conservation/Wetlands Filing Fees	2,635.00		-
83	Stabilization Interest	8,320.00		-
84	Corcoran House Interest	2,574.00		-
85	Federal Law Enforcement	65,604.00		44,351.00
86	State Law Enforcement	39,357.00		43,639.00
87	<i>Total Trust Fund Revenue:</i>	<u>142,726.00</u>		<u>89,153.00</u>
88				
89	<b>Total Special Revenue Funds</b>	<u>9,276,921.00</u>		<u>10,399,498.00</u>
90				
91	<b>GRAND TOTAL ALL REVENUE:</b>	<b><u>\$ 42,007,059.00</u></b>		<b><u>\$ 44,883,127.00</u></b>
92				
93	<b>Agency Funds:</b>			
94	Police/Matron Details	191,186.00		192,249.00
95	Fire Details	16,434.00		4,612.00
96	Town Clerk Agency	7,647.00		7,457.00
97	Police Agency-Gun Permits	11,100.00		11,100.00
98	Planning Board Deposits	10,285.00		111,605.00
99	MWRA	500,000.00		500,000.00
100	Payroll Withholdings	5,193,553.00		5,126,862.00
101	<i>Total Agency Funds:</i>	<u>5,930,205.00</u>		<u>5,953,885.00</u>



**Board of Assessors**  
242 Church Street  
Clinton, MA 01510-2624

**Voice (978) 365-4117**  
**Fax (978) 365-4104**

## **Fiscal Year 2011 Assessors Report**

Honorable Board of Selectmen,

The Board of Assessors herewith submits its annual report for Fiscal Year 2011, covering the period from July 1, 2010 through June 30, 2011. The Board reorganized after the re-election of David J. Baird in June of 2011. The Board re-elected David J. Baird to serve as Chairman, Daniel T. Halloran as Clerk and Francis X. Boyce to serve as the third member.

As calendar year 2011 comes to a close we look back on what has been a very busy year in the Assessors Office. The primary function of this office is to determine the class and value of property for taxation and to maintain its full and fair cash valuations. Although growth has slowed, the Department of Revenue continues to expand the requirements of the Assessors Office. Additionally, the Assessors Office is charged with completing and submitting to the Department of Revenue, the Annual Recapitulation Form and Valuation Analysis. The office tracks and values more than 4,800 Real Property accounts, 600 Personal Property accounts, more than 1000 Motor Vehicle Abatement applications, 100 or more abutters lists, 430 Income and Expense reports and nearly 200 Personal Exemptions annually. We will inspect more than 320 parcels for building improvements and construction this year alone. With the increased rate of construction and subdivisions the office has modified or replaced more than 9 Cadastral Maps in the last year.

The Board is beginning preparations for the town wide Triennial Revaluation. We are updating our maps and preparing to review Supplemental Assessments. We will continue a Department of Revenue cyclical inspection program and will review over 1100 parcels for data accuracy. Properties that are on maps 99-132 will be visited and the field cards for each parcel reviewed and updated. This process is a cost saving measure to eliminate the complete revaluation process as mandated every 9 years by the Department of Revenue. We ask all property owners for their complete cooperation.

The total amount to be raised for Fiscal Year 2011 was set at \$38,522,574, State aid and other revenue sources provided \$20,709,309 leaving a balance of \$17,813,256 to be raised by local taxation.

The following table shows a comparison and trend in property values, tax levy, related tax rates and the number of accounts tracked.

Fiscal Year	Valuation	Tax Levy	Tax Rates Res. & CIP	Total Parcels
2005	1,030,307,420	13,391,888	11.67 & 22.10	4,816
2006	1,196,430,596	14,342,485	10.63 & 22.42	4,953
2007	1,235,397,338	14,935,039	10.97 & 20.55	4,980
2008	1,259,671,639	15,697,892	11.34 & 20.94	5,094
2009	1,210,206,007	16,306,497	12.11 & 22.91	5,102
2010	1,164,793,537	17,311,484	13.35 & 24.52	5,270
2011	1,106,650,950	17,813,256	14.13 & 27.36	5,331
2012	1,059,015,003	18,544,690	15.28 & 29.77	5,326

The Board of Assessors granted a total of 179 statutory exemptions (MGL 59 § 5). They included: (23) Clause 17E - Elderly, (97) Clause 22 - Veteran, (11) Clause 37A - Blind, (46) Clause 41D - Elderly, (1) Clause 41A - Deferrals, (1) Misc. Please feel free to contact this office for information about Statutory Exemptions and whether you may be eligible to receive one.

The Assessors Office is open Monday thru Friday from 8:30 AM to 4:00 PM

Respectfully submitted, December 28, 2011

David J. Baird, Chairman

**Board of Assessors**

**David J. Baird, MAA**  
**Boyce**

**Francis X.**  
**Daniel T. Halloran**

## **BUILDING INSPECTOR**

Honorable Board of Selectmen

As the Building Inspector I submit this annual report for fiscal year 2011.  
July 1, 2010 through June 30, 2011.

Records indicate the following:

Two Hundred Ninety Seven (297) Building Permits issued with a declared value of Twenty Eight Million Nine Hundred Twenty Six Thousand Three Hundred Forty Seven Dollars (\$28,926,347) with fees collected in the amount Three Hundred Twelve Thousand Nine Hundred Five Dollars (\$312,905.00). Also, collected Impact fees in the amount of Two Thousand Five Hundred Dollars (\$2,500.00). Total amount collected and turned over to the Treasurer (\$315,405.00)

Permit breakdown: A total of 09 New One Family Homes, they are as followed:  
03 was in the West Ledge Estates, 03 was in The Bufton Farm Village, and 03 was of other construction, 1 Mill Conversion – 132 Apartment Units, 1 New Water Tank, 02 residential addition, 03 accessory structures, 19 decks, 14 demolitions, 56 Roofing, 80 Renovation/Repairs, 05 Siding, 07 Signs, 05 Swimming pools, 17 Windows, 03 Commercial Addition, 1 New Commercial Structure – 175 Sterling Street, 16 Commercial Renovation/Repairs, 12 Certificate of Use & Occupancy, 07 Woodstove, 11 Pellet Stove, and 31 others, which all involved hundreds of inspection.

Administration of the Zoning By-law continues to consume more than ½ of my time with inquires, complaints, inspections, enforcement, decisions, opinions and follow up inspections including if necessary court action.

Building Permit Applications are required by the Massachusetts State Building Code for any work other than ordinary repair and or your protection from unregistered and uninsured contractors. It also ensures compliance to the Town Zoning By-law.

Once again I would like to take this opportunity to thank the entire Clinton Fire Department for its continued cooperation of shared responsibility of public safety issues, all of the Boards, Commissions, Departments and especially the citizens of the Town for their cooperation and support.

Respectfully submitted,

Tony Zahariadis  
Building Commissioner/Zoning Agent

**BUILDING INSPECTOR  
REPORT  
FISCAL YEAR 2011**

Permit Breakdown: 297 Building Permits

09 New One Family Homes

9 West Ledge Road, 22 West Ledge Road, 24 West Ledge Road, 16 Bufton Farm Road, 17 Bufton Farm Road, 41 Bufton Farm, 6 Colonial Drive, 43 Nathan Drive & 45 Nathan Drive.

Mill Conversion – 50 & 55 Green Street – Lancaster Mills – 132 Apartment Units

New Water Tank – 127 John Street

02 Residential Additions  
03 Accessory Structures (Shed)  
19 Decks  
14 Demolitions  
56 Roofing  
80 Renovation/Repairs  
05 Siding  
07 Signs  
01 Swimming Pools  
17 Windows  
01 Commercial Additions –175 Sterling Street  
16 Commercial Renovation/Repairs  
12 Certificate of Use & Occupancy  
07 Woodstove  
11 Pellet Stove  
31 Others

Cost: \$28,926,347

Fee collected: \$312,905.00

Woodlands Impact Fee collected: \$2,500.00

## **Report of The Animal Control Officer**

This report will reflect dog complaints, hearings, and other issues from July 1, 2010 to June 30, 2011.

There were fines collected from residents to the Town of Clinton for their animals'. Owners not abiding by the 24-hour leash law, not current of rabies vaccines, and non-licensed animals.

There were a total of 456 dog calls that were responded to. Total of 3 dogs picked up and not claimed taken to animal shelter or adopted. There were also several miscellaneous animal calls including skunks, bats, foxes, birds, raccoons, and possum.

A total of fines for licenses purchased and unlicensed dogs were collected from July 1, 2010 - to June 30, 2011. The amount collected is listed in the Clinton Town Clerks Report.

I would like to personally thank the Clinton Police Department and the Clinton residents for their cooperation and support.

Stephen Mudgett  
Clinton Animal Control Officer

Annual Statement for the Year Ended December 31, 2010 of the conditions and Affairs of the Clinton Retirement Board.

Organized Under the Laws of the Commonwealth of Massachusetts to the Public Employee Retirement Administration Commission.

Date of Certificate 07/01/1937

Effective Date 07/01/1937

ADMINISTRATION OFFICE

242 Church Street  
Street & Number

Clinton, MA 01520  
City/Town, State and Zip Code

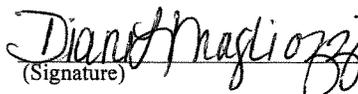
(978) 365-4118  
Telephone Number

We, the undersigned, members of the Clinton Retirement Board certify under penalties of perjury, that that we are the official board members of said retirement system, and that on the thirty-first date of December last, all of the herein-described assets were the absolute property of said retirement system, free and clear from any liens or claims thereon, except as stated, and the following statements, with the schedules and explanations therein contained, annexed, or referred to, are a full and correct exhibit of all of the assets, liabilities, income and disbursements, changes in fund balances, and the conditions and affairs of said retirement system on the said thirty-first date of December last, and for the year ended on that date, according to the best of our information, knowledge, and belief respectively.

Board Of Retirement

Ex-Officio Member

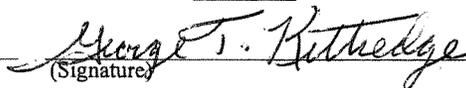
Diane L. Magliozzi  
(Name)

  
(Signature)

Appointed Member

Term Expires \_\_\_\_\_

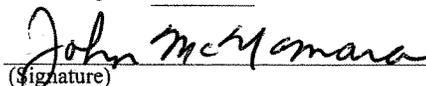
George Kittredge  
(Name)

  
(Signature)

Elected Member

Term Expires 02/01/2013

John McNamara  
(Name)

  
(Signature)

Elected Member

Term Expires 04/16/2014

Michael P. Digisi  
(Name)

  
(Signature)

Member Appointed by Other Members

Term Expires 02/05/2012

Paul B. Cherubini, Chairperson  
(Name)

  
(Signature)

Investment Managers

PRIM

84 State Street, Suite 250, Boston, MA 02109

State Street Global Advisors

200 Newport Avenue Quincy, MA 02171

Investment Consultant

Trust Advisory Group

Natick, MA 01760

Custodian

State Street Bank

North Quincy, MA 02171

Annual Statement of the Clinton Retirement Board for the Year Ended December 31, 2010.

ASSETS & LIABILITIES

	2010	2009	2008
1. 1040 Cash	2,254,884.07	2,668,720.58	3,646,580.36
2. 1100 Short Term Investments	407,725.25	400,000.00	0.00
3. 1180 Fixed Income Securities	0.00	0.00	0.00
4. 1170 Equities	0.00	0.00	0.00
5. 1101 Pooled Short Term Funds	0.00	0.00	0.00
6. 1172 Pooled Domestic Equity Funds	9,039,372.83	9,803,475.63	8,794,056.87
7. 1173 Pooled International Equity Funds	5,344,776.52	3,746,686.65	2,120,827.80
8. 1174 Pooled Global Equity Funds	0.00	0.00	0.00
9. 1181 Pooled Domestic Fixed Income Funds	2,725,595.99	2,540,824.96	2,274,655.41
10. 1182 Pooled International Fixed Income Funds	0.00	0.00	0.00
11. 1183 Pooled Global Fixed Income Funds	0.00	0.00	0.00
12. 1193 Pooled Alternative Investments	1,497,106.24	1,408,531.14	1,253,898.39
13. 1194 Pooled Real Estate Funds	2,022,427.59	1,791,892.21	1,941,751.81
14. 1195 Pooled Domestic Balanced Funds	0.00	0.00	0.00
15. 1196 Pooled International Balanced Funds	0.00	0.00	0.00
16. 1197 PRIT Absolute	0.00	0.00	0.00
17. 1198 PRIT Cash	0.00	0.00	0.00
18. 1199 PRIT Fund	4,167,732.99	1,718,250.01	0.00
19. 1550 Interest Due and Accrued	2,331.95	127.27	3,189.28
20. 1350 Prepaid Expenses	0.00	0.00	0.00
21. 1398 Accounts Receivable (A)	2,901.91	3,572.90	3,075.50
22. 1910 Land	0.00	0.00	0.00
23. 1920 Buildings	0.00	0.00	0.00
24. 1929 Accumulated Depreciation – Buildings	0.00	0.00	0.00
25. 2020 Accounts Payable (A)	(-14,851.12)	(-11,701.92)	(-15,334.10)
<b>TOTAL</b>	<u>27,450,004.22</u>	<u>24,070,379.43</u>	<u>20,022,701.32</u>
<b>FUNDS</b>			
1. 3293 Annuity Savings Fund	9,428,875.86	9,051,525.85	8,678,384.75
2. 3294 Annuity Reserve Fund	1,663,300.86	1,445,464.64	1,368,302.37
3. 3295 Military Service Fund	0.00	0.00	0.00
4. 3296 Pension Fund	2,451,164.76	2,313,355.88	2,075,208.63
5. 3298 Expense Fund	0.00	0.00	0.00
6. 3297 Pension Reserve Fund	13,906,662.74	11,260,033.06	7,900,805.57
<b>TOTAL ASSETS AT MARKET VALUE</b>	<u>27,450,004.22</u>	<u>24,070,379.43</u>	<u>20,022,701.32</u>

(A) Specific details for Accounts Receivable and Accounts Payable are to be disclosed on Schedule A

Annual Statement of the Clinton Retirement Board for the Year Ended December 31, 2010.

RECEIPTS

	2010	2009	2008
<b>1. Annuity Savings Fund:</b>			
(a) 4891 Members' Deductions	849,760.72	842,445.36	837,510.64
(b) 4892 Transfers from Other Systems	7,640.84	6,514.40	59,720.12
(c) 4893 Member Make Up Payments and Redeposits	4,329.26	607.98	4,790.40
(d) 4900 Member Payments from Rollovers	0.00	0.00	0.00
(e) Investment Income Credited to Members' Accounts	27,584.30	42,006.19	47,553.41
<b>Subtotal</b>	<b>889,315.12</b>	<b>891,573.93</b>	<b>949,574.57</b>
<b>2. Annuity Reserve Fund:</b>			
(a) Investment Income Credited to Annuity Reserve Fund	42,626.94	36,320.44	39,736.97
<b>Subtotal</b>	<b>42,626.94</b>	<b>36,320.44</b>	<b>39,736.97</b>
<b>3. Pension Fund:</b>			
(a) 4898 3(8)(c) Reimbursements from Other Systems	31,310.63	31,310.63	31,310.63
(b) 4899 Received from Commonwealth for COLA & Survivor Bft	51,651.72	75,699.84	26,159.46
(c) 4894 Pension Fund Appropriation	1,872,540.00	1,803,450.00	1,734,216.00
(e) 4840 Workers Compensation Settlement	0.00	0.00	0.00
<b>Subtotal</b>	<b>1,955,502.35</b>	<b>1,910,460.47</b>	<b>1,791,686.09</b>
<b>4. Military Service Fund:</b>			
(a) 4890 Contributions Received from Municipality	0.00	0.00	0.00
(b) Investment Income Credited	0.00	0.00	0.00
<b>Subtotal</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>5. Expense Fund:</b>			
(a) 4896 Expense Fund Appropriation	0.00	0.00	0.00
(b) Investment Income Credited to Expense Fund	184,442.68	174,764.67	196,770.37
<b>Subtotal</b>	<b>184,442.68</b>	<b>174,764.67</b>	<b>196,770.37</b>
<b>6. Pension Reserve Fund:</b>			
(a) 4897 Federal Grant Reimbursement	0.00	0.00	0.00
(b) 4895 Pension Reserve Appropriation	0.00	0.00	0.00
(c) 4822 Interest Not Refunded	989.60	376.90	2,054.88
(d) 4825 Miscellaneous Income	43,739.82	63.04	0.01
(f) Excess Investment Income	2,601,900.26	3,358,787.55	-9,676,003.27
<b>Subtotal</b>	<b>2,646,629.68</b>	<b>3,359,227.49</b>	<b>-9,673,948.38</b>
<b>TOTAL RECEIPTS</b>	<b>5,718,516.77</b>	<b>6,372,347.00</b>	<b>-6,696,180.38</b>

Annual Statement of the Clinton Retirement Board for the Year Ended December 31, 2010.

DISBURSEMENTS

	2010	2009	2008
<b>1. Annuity Savings Fund:</b>			
(a) 5757 Refunds to Members	26,500.66	71,520.94	144,999.03
(b) 5756 Transfers to Other Systems	57,276.33	139,233.05	136,259.90
<b>Subtotal</b>	<u>83,776.99</u>	<u>210,753.99</u>	<u>281,258.93</u>
<b>2. Annuity Reserve Fund:</b>			
(a) 5750 Annuities Paid	252,978.84	229,022.33	211,243.75
(b) 5759 Option B Refunds	0.00	37,814.68	0.00
<b>Subtotal</b>	<u>252,978.84</u>	<u>266,837.01</u>	<u>211,243.75</u>
<b>3. Pension Fund:</b>			
(a) 5751 Pensions Paid	1,655,614.54	1,548,235.41	1,440,210.47
Regular Pension Payments	1,151,425.29	1,099,018.97	957,850.07
Survivorship Payments	66,257.88	2,814.72	66,513.00
Ordinary Disability Payments	72,018.96	70,648.74	69,286.98
Accidental Disability Payments	261,896.81	275,236.36	248,297.52
Accidental Death Payments	93,850.80	92,728.92	91,608.24
Section 101 Benefits	10,164.80	7,787.70	6,654.66
(b) 5755 3(8)(c) Reimbursements To Other Systems	162,078.93	124,077.81	115,864.26
(c) 5752 COLAs Paid	0.00	0.00	0.00
(d) 5753 Chapter 389 Beneficiary Increase Paid	0.00	0.00	0.00
<b>Subtotal</b>	<u>1,817,693.47</u>	<u>1,672,313.22</u>	<u>1,556,074.73</u>
<b>4. Military Service Fund:</b>			
(a) 4890 Return to Municipality for Members who Withdrew Funds	0.00	0.00	0.00
<b>Subtotal</b>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
<b>5. Expense Fund:</b>			
(a) 5118 Board Member Stipend	15,000.00	15,000.00	15,000.00
(b) 5119 Salaries	35,790.25	35,026.25	42,395.35
(c) 5304 Management Fees	86,136.84	76,511.96	88,348.90
(d) 5305 Custodial Fees	0.00	0.00	0.00
(e) 5307 Investment Consultant Fees	25,000.00	25,000.00	25,000.00
(f) 5308 Legal Expenses	0.00	0.00	0.00
(g) 5309 Medical Expenses	0.00	0.00	0.00
(h) 5310 Fiduciary Insurance	2,178.00	2,015.00	1,901.00
(i) 5311 Service Contracts	0.00	705.50	146.40
(j) 5312 Rent Expense	0.00	0.00	0.00
(k) 5315 Professional Services	500.00	0.00	0.00
(l) 5320 Education And Training	500.00	500.00	0.00
(m) 5589 Administrative Expenses	18,727.95	20,005.96	22,066.45
(n) 5599 Furniture and Equipment	0.00	0.00	842.00
(o) 5719 Travel	609.64	0.00	1,070.27
(p) 5829 Depreciation Expense: Building	0.00	0.00	0.00
<b>Subtotal</b>	<u>184,442.68</u>	<u>174,764.67</u>	<u>196,770.37</u>
<b>TOTAL DISBURSEMENTS</b>	<u>2,338,891.98</u>	<u>2,324,668.89</u>	<u>2,245,347.78</u>

To the Honorable Board of Selectmen:

The Clinton Conservation Commission hereby submits its annual report for fiscal year ending June 30, 2011.

The Clinton Conservation Commission has at this time the full five members that are necessary for the successful operation of the Commission. Those members are; John Woodsmall III - Chairman, John Moran Sr. - Vice-Chairman, MaryAnn Castillo – Clerk, Laura Taylor & Gregg Sandberg as members.

The Clinton Conservation Commission is responsible for the preservation of the environment within the boundaries of the town with particular concern in the area of wetlands.

The Clinton Conservation Commission has been working with the Rauscher Farm Management Sub-Committee in the management of Rauscher Farm.

The Commission annual budget is \$1,504.00.

In closing, we would like to thank the Board of Selectmen, all other town departments and the townspeople for their unselfish dedication to preserving the environment in the Town of Clinton.

Respectfully submitted,

Dinorah Caraballo  
Permitting Clerk

## Commission on Disability

Honorable Board of Selectpersons:

The Commission on Disability submits this annual report of July 1, 2010 to June 30, 2011.

The Commission conducts meeting on the 3<sup>rd</sup> Wednesday of the month at 6:15PM. The location alternates between Oxford Court and Prescott Mills. Membership has remained stable over the year. The topics of accessibility, Americans with Disabilities Act(ADA), and Mass Architectural Access Board requirements are discussed in relation to projects in the town. Recommendations are provided to various departments. Individuals often seek out members for advice and referral information.

We thank Norman Estabrook for his on-going commitment to the Commission and his attention to the details of the projects in town.

The Commission on Disability thanks the Board of Selectpersons, Mike Ward, the other Boards, Commissions, Committees, and the citizens of Clinton for their support over the years.

Respectfully,  
Janice Rusiecki, Commissioner  
Norman Estabrook, Deputy Assistant Commissioner

## **EMERGENCY MANAGEMENT AGENCY**

To Honorable Board of Selectmen:

We herewith submit our 63<sup>nd</sup> report of the Clinton Emergency Management Agency (CEMA) activities from July 1, 2010 through June 30, 2011. As usual, the same volunteer services have been available through CEMA. As volunteers, the members of CEMA's main mission is to provide our community with emergency services to try to protect lives and properties before, during and after emergencies while coordinating with state and federal emergency organizations as needed.

CEMA continues to upgrade the agencies equipment. Through a successful fund raising campaign CEMA was able to make some improvements to the Operations Center located at 359 High Street. There were numerous donations made to maintain and improve the building. CEMA continues testing it radio capabilities with state and local agencies on a regular basis throughout the year to be able to communicate if the need arises.

Respectfully Submitted,  
Constantino P. Zapantis, Director  
Douglas S. Henry, Deputy Director  
Efrain Gonzalez, Deputy Director

To the Honorable Board of Selectmen:

I herewith submit my annual report as Sealer of Weights & Measures for the Town of Clinton; my work period commencing July 1, 2010 and concluding June 30, 2011.

Throughout the year, I tested and certified all weighing and measuring devices and the use thereof used in the sale of food, fuels and other products used commercially.

Inspections were made on pre-packaged food to insure that net quantity was correct.

In addition, scanner checks were conducted in establishments having these devices to ensure proper and accurate bar code readings on all products having such.

In conclusion I wish to take this opportunity to thank the Honorable Board of Selectmen, and all town departments for their cooperation.

Respectfully submitted,

James P. De Cesare  
Sealer, Weights & Measures

## **DEPARTMENT OF VETERAN SERVICES**

Honorable Board of Selectmen:

I herewith submit the annual report for the Department of Veteran Services for the fiscal year ending June 30, 2011.

The Veterans Department operates under the direction of Chapter 115 of the General Laws of the Commonwealth of Massachusetts. The veteran benefit program is a joint effort of the Commonwealth and the Town of Clinton delivering benefits to veterans and their dependents. The office assists with both state and federal benefits.

In an effort to give back, many veterans currently donate time and aid to local food banks, the town recycling center and the Wheat office. Donated Christmas items and firewood are distributed whenever possible.

The office is available to all veterans and their dependents on a full-time basis at the Clinton Town Hall. Home visits are conducted to assist shut-ins. Questions concerning benefits can be directed to this office at (978) 365-4112.

In closing, I would like to thank the Board of Selectmen and all Town Officials for their support during the past year.

Respectfully submitted,

Gerald R. Coppenrath  
Veteran Services Officer

Annual Report  
Historical Commission  
2010-2011

The Clinton Historical Commission is a seven-member board that meets at Town Hall four times a year. Currently we only have six members and are in need of another member.

Our purpose is to preserve historic materials, to recognize those who preserve the integrity of historical property through restoration and to survey and identify historic sites in the town.

The Lancaster Mills project has been completed and apartments are now being rented. The Commission was given a tour before they were opened to the public and found that this project has preserved and restore the integrity of history of this Town.

We received resignation for Irene Moran & Elaine Patterson after five years of service. We want to thank them for their dedication & service.

We continue to work with Boston Affiliates to have the Woodlawn Cemetery listed on the State Register of Historic Places.

Respectfully submitted,

Karen Hamilton  
Acting Chairperson

To the Honorable Board of Selectmen,

The Zoning Board of Appeals hereby submits its annual report for the fiscal year 2011.

The following were elected officers of the Board; Christopher Magliozzi, Chairman; Barry Rodgers, Vice-Chairman; and Robert Latini, Clerk. The remaining full time members were Richard McKenzie Sr. & James Mayou.

The Board accepted the resignation of Richard McKenzie Sr. and thanked him for his service to this Board. The following members were appointed as alternate: Paul Zapantis & Ramzi Alaya.

The Board has regular schedule meetings the second Tuesday of every month in the Lower Conference Room, Clinton Town Hall. Special meetings will be scheduled as needed.

The Board heard twelve applications for special permits, variances and appeal of zoning agent and no denials.

The Board annual budget is \$1,089.00

The Board would like to thank all the Town Officials, Town Boards, Town Solicitor and Citizens for their assistance.

Respectfully submitted,

Dinorah Caraballo  
Permitting Clerk

Town Report  
Clinton Senior Center/Council on Aging  
July 2010 – June 2011  
Prepared January 27, 2012

This year brought great change to the COA board. After many years of hard work advocating for seniors and a new senior center we saw the resignations of Claire Agnitti, Rose Pasqaule, Kathy Frost and Catherine Murphy. Claire and Catherine had served over twenty years. Their wisdom and compassion for elders in this community will never be forgotten. We extend our deepest gratitude for the services provide by all of these women. New board members, Joan Scheid, Austin Philbin, Beverly Harris, and Deb McMahon -Cote stepped into the very large vacant shoes to carry the advocacy work into the future. Immediately they signed a Memorandum of Understanding between the HOME and the COA to accept ownership of this property for a New Senior Center. The budget for any new building will have to include utilities and maintenance that have been invisible expenses to date because of the generosity of our current landlord, Dr. Charles Conroy at Perkins. This is understood and has been well communicated to all members of the Select board and Finance Committee.

Our Director, Mrs. Kathi Bailey extended her knowledge in aging as a delegate for the National Council on Aging trip to Cuba to study healthcare and aging, attended Wider Opportunities for Women conference in Philadelphia to study elder economic security and was provided a scholarship to attend Women's leadership conference in Washington, DC. This was followed by an invitation to present at the American Society on Aging conference in San Francisco and the Massachusetts Council on Aging. Mrs. Bailey covered the costs for all this knowledge sharing with personal money with the exception of a small stipend for the San Francisco conference from the FRIENDS. Mrs. Bailey also used her own vacation time to attend these events. This in-kind donation to the aging community in Clinton is noted here as a means to place value on education and knowledge needed to drive best practices in local governance through professional development for management and staff. The connections to resources and progressive ideas for Clinton can only come from a leadership that stays current and connected.

The Senior Center employs two full time and five part time personnel. Although the Select board voted to move the Outreach Program management position held by Donna Joyce Baird to fulltime, the final budget process did not fulfill this request. The needs of our oldest old are not being properly met because of this limitation. The commitment to continue a nutrition program with the approval and funding of a part-time meal site manager was necessary and appreciated. At first glance it appears that this is a small organization but if not for over one hundred volunteers valued at over \$250,000 worth of service our department could not function. Volunteer management can be challenging but the return on investment in services to elders is worth it. Over 800 clients took advantage of our services this year through our wellness programming, nutritional programming, outreach services, transportation services and advocacy work. That translates to over 35,000 points of contact made by clients or community members and the Clinton Senior Center. It was a very busy year!

Respectfully submitted on behalf of the Clinton COA,  
Kathi Bailey, Director

COA  
William Grady, Chair  
Joan Scheid, Vice Chair  
Father Thomas Walsh  
James Gibbons

Beverly Harris  
Deborah McMahon-Cote  
Austin Philbin

CLINTON PUBLIC SCHOOLS  
2010-2011

I want to thank the taxpayers of Clinton, the Clinton School Committee, the Board of Selectmen, and the Finance Committee for their support of the schools throughout the 2010-11 school year. I also want to thank the various departments, such as the Police, Fire, and DPW, for their help during the year.

Here are some of the highlights of the school year:

The 4<sup>th</sup> grade students officially moved into the Clinton Middle School in September. The move was very smooth and I thank the school administrators, students, teachers, and parents who made the transition so seamless.

An Adult Enrichment program was introduced to the community in the Fall of 2010 when 45 adults registered for various night classes at Clinton High School.

A new "Race to the Top" Committee was formed to oversee local school reform. The committee was composed of three staff volunteers from each school and the Superintendent of Schools.

The Clinton Elementary School began the long process of a self-study in preparation for an October 2012 visit by the New England Association of Schools & Colleges. It marked the first time that the elementary school sought NEASC accreditation.

The Department of Elementary and Secondary Education recognized the Clinton Elementary School as one of 15 schools in the Commonwealth that significantly lowered the achievement gap between regular and low-income students. The recognition brought a team of educators to our district to study our methods and a \$10,000 grant that was later used to fund a new Science and Literacy curriculum.

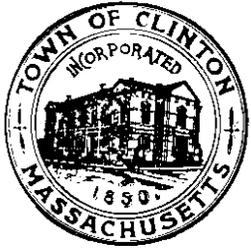
The development of a new long-range Strategic Plan for the district was started in the Spring of 2011. Once officially adopted, this plan will serve as a road map for the district in the coming years.

In June, a \$600,000 override vote failed and deep cuts were felt in the school budget. I wish to thank the many courageous people who did all they could to advocate for our children in these very difficult economic times.

The following teachers retired after many years of dedicated service: Robert Bonci, Debbie Burke, Alan Gage, Marguerite Foley, Marianne Sargent, and John Gibbons. We wish them health, happiness, and longevity!

Respectfully Submitted,

Terrance Ingano, Superintendent



## CLINTON PUBLIC SCHOOLS

150 School Street  
Clinton, Massachusetts  
978-365-4200  
FAX: 978-365-5037

Email: [inganot@clinton.k12.ma.us](mailto:inganot@clinton.k12.ma.us)

### SCHOOL COMMITTEE

Robert Ebstein  
Kathy Trautner  
Virginia M. West  
Debbie Wetherbee  
Tena Zapantis

Terrance Ingano  
*Superintendent*

### SCHOOL COMMITTEE

2010-2011

<u>Member</u>	<u>Term Expires</u>
Virginia West, Chair	2012
Tena Zapantis, Vice Chair	2013
Robert Ebstein	2011
Kathy Trautner	2011
Debbie Wetherbee	2012

Terrance Ingano, Superintendent of Schools

Telephone: 978-365-4200  
Fax: 978-365-5037  
Office Hours: 7:30 AM- 4:00 PM  
Summer Hours: 8:00 AM - 1:00 PM

The regular meetings of the School Committee are held on the second and fourth Tuesday of each month at 7:00 PM, in the Library of Clinton High School, 200 West Boylston Street.

### **Staffing Update**

#### New Hires

Emily Beatty  
Nancy Byrne  
William Connolly  
Paul Della Valle  
Erin DiMeco  
Maryann Dobbins  
Marjorie Frias -Almonte  
Erin Keenan  
Leslie Hanratty  
Holly Lynch  
Lisa Martin  
Lyndsey McMullen  
Sandra Nichols  
Lizbeth Perez  
Amy Smith  
Jeff Taylor  
Veronica Traugott

**Resignations**

Gena Bevilacqua  
Michele Brady  
William Connolly  
Jane Cremins  
Phil Curtin  
Joe Fazio  
Marjorie Frias -Almonte  
Mike Janda  
Erin Keenan  
Tim Murray  
Lianna Parsons  
Amy Smith  
Liz Turini  
Bernadette Wiemer

**Retirements**

Robert Bonci  
Barbara Buote  
Debbie Burke  
Ann Dziokonski  
Margarite Foley  
Alan Gage  
John Gibbons  
Keith Luschen  
Young Sook McClellan  
David Menard  
Mary Anne Sargent

**Reduction In Staff**

Jasmin Alvarado  
Jackie McEvelly  
Betsy Russell  
Charline Spencer  
Jeff Taylor  
Veronica Traugott

# Clinton Public Schools 2011-2012

## Academic Year Calendar



August 11						
Su	M	Tu	W	Th	F	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

September 11						
Su	M	Tu	W	Th	F	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

October 11						
Su	M	Tu	W	Th	F	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

November 11						
Su	M	Tu	W	Th	F	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

December 11						
Su	M	Tu	W	Th	F	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

January 12						
Su	M	Tu	W	Th	F	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

February 12						
Su	M	Tu	W	Th	F	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29			

March 12						
Su	M	Tu	W	Th	F	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

April 12						
Su	M	Tu	W	Th	F	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

May 12						
Su	M	Tu	W	Th	F	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

June 12						
Su	M	Tu	W	Th	F	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

July 12						
Su	M	Tu	W	Th	F	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

August 12						
Su	M	Tu	W	Th	F	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

September 12						
Su	M	Tu	W	Th	F	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

## Notes

Aug. 29 1st Day Staff
Aug 30 1st Day of School 1-12
Sept. 5 Labor Day
Sept. 6 1st Day of School PK-K
Sept. 26 Prof. Dev. 1/2day
Oct. 10 Columbus Day
Oct. 18 Prof. Dev. 1/2 day
Nov. 11 Veterans' Day
Nov. 16 Prof. Dev. 1/2 day
Nov. 23 Early Release Day
Nov. 24-25 Thanksgiving Break
Dec. 15 Prof. Dev. 1/2 day
Dec. 26- Jan. 2 Holiday Break
Jan. 16 Martin Luther King Day
Jan. 27 Prof. Dev. 1/2 day
Feb 8 Prof. Dev. Full Day
Feb. 20-24 Winter Break
March 14 Prof. Dev. Full day
April 6 Early Release Day
Apr. 16-20 Spring Break
May 28 Memorial Day
June 11 Last Day of School
June 12 Last Day 1 Snow Day
June 13 Last Day 2 Snow Days
June 14 Last Day 3 Snow Days
June 15 Last Day 4 Snow Days
June 18 Last Day 5 Snow Days



<b><u>Name of Vendor (Order)</u></b>	<b><u>Total Amt</u></b>
ACADEMIC PLANNERS PLUS	\$9,252.35
Accept Education Collaborative	\$8,120.00
ACE Service Temp Controls	\$1,558.91
Action Learning Connection	\$16,740.00
ACUITY SPECIALTY PRODUCTS GROUP, INC	\$625.60
ADT SECURITY SYSTEMS, INC	\$1,956.53
AGM GLASS & MIRROR CO.	\$719.00
Alvarado, Alison	\$1,132.94
AMAZON.COM/GE Money Bank	\$4,857.83
AMERICAN ARBITRATION ASSOC	\$200.00
American Time & Signal	\$481.50
AMSAN New England	\$30,430.67
Anaconda Sports	\$546.91
Anderson, Wayne	\$53.00
ANDREOLI, A.J.	\$164.00
ANDREWS, WAYNE	\$53.00
Ares, Kevin	\$136.00
Armstrong Sprinkler	\$525.00
Arroyo, Cynthia	\$2,532.00
ARSENAULT, RENE	\$128.00
Assabet Valley Reg. Vos. S.D.	\$1,783,795.50
AT & T MOBILITY	\$3,474.71
AUBURN H.S. ROCKETS BOOSTER CLUB	\$75.00
Augustin, Marise	\$195.00
AVB PRESS	\$69.95
B & R ELECTRICAL SERVICES INC	\$3,634.25
Bacon, John	\$304.50
Bailey, Danielle	\$188.15
BALDASSARE, JAMES	\$125.00
Balfour	\$1,006.89
Ball, Austin	\$150.00
BALLARD & TIGHE, PUBLISHERS	\$572.00
BANC OF AMERICA LEASING	\$2,730.96
Bangrazi, Michael	\$75.00
BARK UNLIMITED	\$1,832.00
Barnes & Noble	\$416.48
Barry, Brian	\$262.00
Baunrell, John	\$75.00
Bawgrazi, Michael	\$75.00
Baxter, Bryan	\$68.00
BCS	\$699.12
BEASLEY, MABLE	\$128.00
Beaulieu, Noreen	\$15.00
Beck, Donna	\$1,134.00
Bedard, Ken	\$85.00
Bergen, James	\$85.00
Bernasconi, Jorge	\$75.00
Berthiaume, Ron	\$67.50
Beyond Play	\$44.85
Bilis, John	\$53.00
Bill Fraher, CPA	\$7,500.00
BILLIAN, KUWAIT	\$75.00
BILODEAU, COLBY	\$59.00
BLACKBOARD CONNECT, INC.	\$6,000.00
BLICK ART MATERIALS	\$2,339.57
Blue Tarp Financial (Aubuchon)	\$3,938.71

BMI EDUCATIONAL SERVICES, INC.	\$17.72
BOATHOUSE SPORTS	\$2,995.20
Boehm, Arthur	\$253.00
BOLLUS, JOSEPH	\$82.00
BONCI, ROBERT	\$15.00
BOOSAHDA, SCOTT P.	\$164.00
Boucek, Carol	\$20,034.00
Boucher, Jon	\$92.00
BOUDREAU, KEVIN	\$75.00
Boureau, Patrick	\$53.00
BRAD'S	\$1,782.00
Brady, Michele	\$3,156.27
Brady, Sarah	\$2,490.00
BRAIN POP LLC	\$195.00
Brandon, John	\$85.00
Brandt, Andrew	\$40.00
Brayall, Richard	\$1,200.00
Breault, Kathleen Ed.D	\$1,798.56
Bresciani, Tom	\$75.00
BRIMAR ID & SAFETY PRODUCTS	\$134.15
Brockway, David	\$75.00
BROCKWAY, KEITH	\$82.00
Brodmerkle, Joanne	\$240.00
Bronnes, Paul (The Horn Hospital)	\$965.00
Brothers Pizza	\$332.00
Bruso, Ingrid	\$1,200.00
BULB DIRECT	\$243.67
Bunnell, James	\$106.00
BUREAU OF ED & RESEARCH	\$796.00
BUSINESS COMMUNICATIONS SYTEMS, INC	\$1,577.50
Callinan, Thomas	\$890.00
Camaskey, Bill	\$53.00
Carey, Janet	\$1,415.00
Caron, John	\$53.00
Carvelli, Dick	\$53.00
CASEY ENGINEERED MAINTENANCE	\$916.04
Castro, Tom	\$67.50
Cataldo, Ed	\$75.00
CATALINI, ROBERT	\$300.00
CDI Computer Dealers	\$4,520.48
CDMMEA	\$70.00
CELT CORPORATION	\$11,928.00
CENTRAL AUTO PARTS, INC	\$813.08
CENTRAL MA FOOTBALL COMMITTEE	\$30.00
CENTRAL MASS ATHLETIC DIRECTORS ASSOC	\$55.00
CENTRAL MASS. SPED COLLABORATIVE	\$49,777.44
Champagne, Lisa	\$107.56
Chapman, Kathy	\$75.00
Charles Moran Plb. & Htg., Inc.	\$4,691.66
Cherubino, Linda	\$23,680.00
CHOICE SERVICES	\$4,900.00
Class of 1961	\$2,500.00
Clinton Community Scholarship Foundation	\$100.00
Clinton Fire Detail Fund -80	\$2,268.00
Clinton Fire Protection	\$1,957.25
Clinton Livery Inc.	\$94,321.00
Clinton Offset Printers	\$5,665.25
Clinton School Lunch Program	\$3,623.83

Clinton Tire Store	\$77.57
Coe, Wayne	\$68.00
COHEN, CYNTHIA	\$120.00
Cole, Caroline	\$557.50
Cole, Douglas	\$106.00
Colello, Celsea	\$190.00
College Board, The	\$200.00
COMCAST	\$140.00
Committee for Children	\$2,038.35
Commonwealth of MA	\$2,260.00
Companion Corp	\$1,197.00
Complete HT/AC Systems	\$210.00
Connery, Scott	\$1,365.00
Conroy, Nicole	\$70.00
CONTE, MARZANO	\$150.00
Conte, Tony	\$75.00
Coonan, Jim	\$75.00
Coppenrath, Peter	\$29,576.00
Costello, John	\$138.00
Cravedi, Kim	\$240.00
Creagh, Frank	\$596.00
CRITTER CONTROL	\$595.00
Crossman Custom Design	\$2,505.00
Crossman, Lauren	\$3,566.92
Crown Trophy	\$1,390.00
CRUZ, JOHN	\$75.00
CURRENT HEALTH	\$282.00
D.M.H. Electric	\$5,974.12
Daigneault, Steven	\$53.00
DALY, GINGER	\$128.00
Dambreville, Ashton	\$140.00
D'Amico, Tony	\$67.50
D'Andrea, Nicola	\$129.50
Davagian, Amy	\$75.00
Day, Robert	\$428.00
De Carolis, David	\$75.00
Dedorian, Jeff	\$75.00
Dee Bus Service	\$626,558.04
D'Elia, John	\$229.50
Delta Education	\$947.57
Demers, Gene	\$68.00
DeSouza, Eloa	\$1,200.00
Desy, Peter	\$362.00
DI PILATO, DOREEN	\$53.00
Diamantopoulos, Dale	\$75.00
DICK BLICK COMPANY	\$660.74
Dillon, Gilbert	\$67.50
DiMeco's Nursey & Landscaping	\$1,780.00
Dion, Christopher	\$75.00
DIRECT ENERGY SERVICES, LLC	\$197,058.22
DISCOUNT SCHOOL SUPPLY	\$2,874.32
Discovery Toys	\$819.76
DiSessa, Brenda	\$1,000.00
District E Track & Fiel Committee	\$170.00
DiTullio, Erin	\$215.00
Dobbins, MaryAnn	\$450.00
Dolan, Jessica	\$230.00
Donald, Ann R. Dr.	\$7,417.45

Donoian, Greg	\$59.00
Dougal, Brian	\$75.00
Douglas, David	\$381.00
Douglas, Haley	\$145.00
Douglas, Stephen	\$75.00
DOVER PUBLICATIONS	\$19.88
Downs & Reader Hardwood Co.	\$1,796.94
Dr. Franklin Perkins School	\$121,084.70
Duane, Mary	\$150.00
Dunn & Co., Inc.	\$411.25
Dupre, Sharon	\$75.00
DUPUIS POWER EQUIPMENT	\$363.79
Dylewicz, Nicole	\$240.00
Dylewicz, Rachel	\$240.00
DYNAVOX SYSTEMS LLC/MAYER-JOHNSON	\$1,495.00
EBI ELECTRONICS, INC.	\$2,845.00
Economic Enviro Techs Inc.	\$4,900.00
ECONOMIC ENVIRO TECHS, INC.	\$2,000.00
Education, Inc.	\$1,393.00
Educational Consortium for Telecommunications Savings	\$1,124.14
EDUCATIONAL NETWORKS	\$6,000.00
Edwards, Bruce	\$75.00
Ekdah, Kathy	\$75.00
ELAN PUBLISHING CO	\$243.45
ELEVATOR MAINTENANCE & SERVICE	\$6,370.11
Encarnacion, Yerel	\$195.00
ETA Cuisenaire	\$29.57
Ethier Lock	\$1,306.00
EUTACTICS, INC.	\$5,712.00
Fahey, Dan	\$166.00
Fahy, Kathy	\$119.71
Faille, Michael	\$75.00
Falconer, Mary Ann	\$240.00
FAMILY HANDYMAN, THE	\$24.98
FEDEX	\$431.84
Feliz, Robert	\$40.00
Ferges, Phillip	\$53.00
FIRMIN, DANIEL	\$200.00
Firmin, Scott	\$79.50
Fischer, Charlie	\$189.75
Fisher Auto Parts	\$292.27
FISHER SCIENTIFIC EDUCATION	\$137.54
Fitchburg Public Schools	\$289.58
Five Star Services	\$8,922.62
FLATHERS, PETER	\$160.00
FLINN SCIENTIFIC, INC.	\$669.96
FLLAC ED. COLLABORATIVE	\$456,098.86
Flynn Reporting	\$250.00
Flynn, Gerry	\$581.00
FOLLETT EDUCATIONAL SERVICES	\$416.87
Forbes, Vicki	\$935.00
Franchi, Joe	\$79.50
Franco, Harry	\$210.00
Franklin Paint, Co.	\$982.69
Freidrich, Maureen	\$240.00
French, Roger	\$185.50
FREY SCIENTIFIC	\$515.03
Friendship House	\$68.59

Frisch, Emily	\$1,200.00
Future Supply Corp.	\$2,065.43
Gannon, Justine	\$1,200.00
Gannon, Tony	\$15.00
Gardner Screw, Corp.	\$590.63
Garvey, David	\$75.00
Gaughan, Bernie	\$15.00
GE CAPITAL VFS	\$16,552.76
Geldart, Stephen	\$135.00
Genereux, Jeanne	\$345.00
Gerald Mayo, Jr - Plumbing Services	\$1,638.44
GERRY'S MUSIC SHOP, INC.	\$911.00
Giannino, Joseph	\$403.73
Gibbons, John	\$152.64
GIBNEY SALES & RECONDITIONING	\$20,232.53
Girouard, Mark	\$136.00
Giuliano, Fran	\$978.00
Gizzonio, Kelly	\$230.91
Gniesh, Michael	\$132.50
Gnoza, David	\$195.00
Goldman, Rebecca	\$230.00
GOLF COURSE MANAGEMENT, INC.	\$40,511.65
GOLF TEAM PRODUCTS, INC.	\$711.25
Gorman, John	\$400.00
GOSELIN, WILLIAM	\$59.00
Goulet, Joel	\$1,440.00
Grady, Robert	\$75.00
Grady, William	\$75.00
Green, Andrew	\$53.00
Greeney, Matthew	\$53.00
Greenfield Public School	\$10,000.00
Gregoire, Robert	\$212.00
Griffin Greenhouse	\$354.14
GRIFFIN, KEVIN	\$59.00
Grimley, Brian	\$516.50
Grinkis, Wayne	\$75.00
GURNEY ENGINEERING CORP	\$2,470.00
GUSTEFSON, TYLER	\$59.00
GUZZI, RICHARD	\$75.00
Hagermoser, Julia	\$485.00
Haley, Douglas	\$53.00
Halloran, Terry	\$53.00
Hampel, John Dr.	\$18,825.00
Hampstead Hospital	\$1,250.00
Hanna, James	\$53.00
Harris, Lisa	\$272.00
Harris, Patricia	\$2,206.28
Harry K Wong Publications	\$219.56
Hastings, Carmen	\$5,257.50
Hastings, James	\$225.00
HAVA, DALE	\$75.00
Hayes, Marty	\$75.00
Health Alliance Hospital	\$2,140.00
HEALTH MASTER HOLDINGS, LLC	\$1,078.92
HEINLE	\$1,006.63
HENRICKSON, JIM	\$341.00
HENRICKSON, TOM	\$59.00
HENRIE, SARAH	\$1,140.00

HERRION, JAMES	\$118.00
Herron, Dick	\$161.00
HIGHLAND WOODWORKING	\$215.90
HIGHSMITH, INC.	\$141.47
HILLCREST EDUCATIONAL CENTER	\$5,002.62
Hilton, Joseph	\$75.00
HM Receivables	\$116.34
HMEA (Darnell School)	\$4,269.30
HODSON, JENNIFER	\$705.00
Holfinger, David	\$242.00
Home Depot	\$2,744.92
Houghton Mifflin Harcourt	\$510.55
Hub Technical Services	\$3,946.21
HUGGINS, AMANDA	\$540.00
Hughes, Linda	\$505.52
Hussey Seating Company	\$857.61
Ikonen, Richard	\$53.00
IMAGINATION SPORTS, INC.	\$412.00
Industrial Cleaning Products	\$1,125.73
INFORMATION MARKETING GROUP, INC.	\$23,680.00
INGANO, ADAM	\$1,350.00
INGANO, TERRANCE	\$56.92
INSIGHT SYSTEMS EXCHANGE	\$330.00
Irish, Terry	\$75.00
James, Marie	\$75.00
Janda, Daria	\$1,851.25
Jasper, John	\$384.00
Jim's Lock & Key	\$1,645.73
Johns, Lynn	\$378.00
Johnson Controls, Inc.	\$28,050.28
JOHNSON, GERALD	\$75.00
Johnston, Jaime	\$135.00
JOHNSTON, KEVIN	\$128.00
Jones School Supply	\$603.75
JONES, PAMELA	\$450.00
JOUBERT, JAMES	\$128.00
Judah, Richard, D.Ed.	\$1,886.22
Judd, Ron	\$75.00
JUMONVILLE, JAMES	\$75.00
JUNEAU, DAVE	\$59.00
Justice Resource (Victor School)	\$44,982.00
K12 SOFTWARE	\$742.89
Kahassa, Angan	\$92.00
Keen, Michael	\$75.00
KEENAN, PAUL	\$53.00
KELLEY, MICHAEL	\$82.00
Kelly, Tom	\$92.00
Kennedy Day School	\$144,948.80
Kent, Casey	\$75.00
Kerrigan, Patricia	\$26.49
Kilcoyne, Diane	\$207.17
Killelea, Joseph	\$92.00
King, Paul	\$161.00
KIRSCHNER ASSOCIATES, INC.	\$434.00
Koslowski, Edmund	\$357.00
KRAFT, W.A. CORP.	\$1,545.40
Kulis, Karen	\$468.64
Kursonis, Edward	\$75.00
Kwederis, Chrisann	\$75.00
Lagesse, Moe	\$150.00

Laliberte, Ryan	\$53.00
LAMINATING USA	\$327.74
Laminator.com	\$92.94
Lamlein, Kate	\$1,100.00
Lancaster Gardens	\$37.68
LaPointe, Roland Jr.	\$184.00
Lasorsa, Mark	\$68.00
Latini, Robert	\$104.39
LE BLANC, NANCY L.	\$79.50
LE CLAIR, BERNIE	\$128.00
LEARNING A-Z	\$84.95
Learning Center for the Deaf	\$109,563.30
LEARNING THINGS, LLC	\$453.09
LeBlanc, Bradley	\$68.00
LeBlanc, Brian	\$82.00
LeBlanc, Nicholas	\$75.00
LeClair, Bernard	\$68.00
LeCompte Auto & Truck	\$9,031.52
LEGERE, STEVEN	\$496.50
Lego Education	\$1,549.70
Leominster Public Schools	\$569.08
Leon, Juan - dba, JC Transportation	\$20,975.00
LEONARD, HAL CORP. (MUSIC EXPRESS)	\$1,054.20
LePordo, Carlo	\$79.50
LeSage, David	\$53.00
LESAGE, PAUL	\$59.00
Levine, Robert	\$53.00
L'HEUREUX, ROBERT	\$207.50
LIFE SUPPORT SYSTEMS	\$1,491.00
Lighthouse School	\$14,047.32
Lopez, Edwin	\$53.00
LOSS, CAMERON	\$294.00
LOST GOLF BALLS.COM	\$211.44
Lowes	\$647.26
LYNCH, STEPHEN	\$75.00
M.A.S.S.	\$1,850.00
MAC GILL & CO., WILLIAM	\$2,416.18
Macuga, Cynthia	\$276.18
Mahoney, William	\$242.75
Maillet, Adrienne	\$1,000.00
Maintenance Products Corp	\$655.42
Maki Building Supplies	\$2,221.30
Maki, Erik	\$70.00
MALATESTA, NICHOLAS	\$159.00
MARABELLO, FRANK	\$82.00
Marcimo, Jeff	\$53.00
Marine, James	\$75.00
Marks Transportation LLC	\$240.00
Marrone, Sam	\$86.00
Marrone, Todd	\$213.00
Martin, Dan Jr.	\$225.00
MARTIN, SUSAN	\$360.00
Martinez, Jose	\$53.00
Marzieli, Allan	\$150.00
MASC	\$4,474.00
Mason, Amy	\$128.76
MASON, W.B. CO., INC.	\$1,610.96
Mass Commission or the Deaf	\$80.00
Mass Interscholastic Athletic Assoc	\$345.00
MASS PAC	\$200.00
MASS TEC	\$60.00

Massalski, Julianna	\$1,464.00
MAST	\$115.00
MATSOL	\$200.00
MATTES, KENNETH	\$75.00
MC CARTHY & SON, INC. R.L.	\$13,250.00
MC GRAIL, JUDITH	\$236.31
MC GRAW HILL PUBLISHING CO	\$450.82
McCarthy, Ryan	\$53.00
McCarthy, Tom	\$75.00
McDermott, Lori	\$240.00
McEvelly, Matthew	\$40.00
McGown, Casey	\$400.00
McGraw Hill	\$1,540.99
McGuirk, William	\$86.00
McLaughlin, Shane	\$40.00
McMullen, Lyndsey	\$450.00
McNally, Bethann	\$450.00
McQuay International	\$10,558.20
MECA	\$1,000.00
Mello, Brtitany	\$85.00
Mello's	\$5,619.00
MF Athletic	\$1,992.65
MIAA	\$2,011.00
Michuad, Kelly	\$1,200.00
MIDLAND/WACHUSETT SECONDARY ADMIN ASSOC	\$1,100.00
MIKHAEL, ANDRE	\$75.00
MIRICK O'CONNELL ATTYS AT LAW	\$40,153.88
Moisen, Derek	\$1,200.00
Molina, Burnadetta	\$2,996.50
MONNICK SUPPLY - MARLBORO	\$10,760.24
MOODY, LORNA	\$75.00
Mooloo, Jasmin	\$40.00
Morales, Frank	\$63.00
Morales, Sandra	\$273.68
Moran, Judith	\$694.41
Morrison, Paul	\$173.80
Mortimer, Erin	\$450.00
Mr. Z's Pizza	\$358.00
MSC Industrial Supply Co.	\$345.66
MSN INDUSTRIAL SUPPLY	\$1,012.92
MSSAA	\$770.00
MSSADA	\$160.00
Muldoon, Lynda	\$645.00
Mullin, Ed	\$75.00
MURPHY INSURANCE AGENCY	\$7,350.00
Murphy, Andrew	\$75.00
Murphy, Joanne	\$202.50
Murphy, John	\$75.00
Murphy, Martha	\$75.00
Murphy, Michael	\$53.00
Murphy/Hesse/Toomey & Lehane, LLP Attorneys	\$9,753.90
Murray, Mark	\$128.00
MURRAY, MICHAEL	\$15.88
Murray, Timothy	\$300.00
MUSIC IN MOTION	\$65.00
Myron	\$285.36
NAEYC	\$450.00
Nagles, John	\$92.00
Nascimento, Maura	\$150.00
Nasco	\$1,083.56
Nashoba Learning Group	\$93,573.36

National Grid	\$211,328.48
NEASC	\$670.00
Neeley-Winkler, Mary	\$186.08
Nelson, Jeremy	\$140.00
Neuhaus, Mark	\$67.50
New England Center for Children	\$126,842.32
NEW ENGLAND FIRE & SECURITY, INC.	\$650.00
NEW ENGLAND OFFICE SUPPLY	\$6.00
NEWENG ASSOC OF SCHOOLS & COLLEGES	\$2,805.00
Newton, Paul	\$100.00
Nieves, Angel	\$15.00
NIMAN PAPER SUPPLY, INC.	\$67.80
Niser, Valerie	\$945.00
Nivala, Kevin	\$53.00
Nixon Company	\$2,058.50
Noodle Tools	\$240.00
NOREL SERVICE COMPANY	\$685.00
North Central Middle School Alliance	\$150.00
NORTHERN SAFETY CO., INC.	\$60.05
NOSEK, KEN	\$334.00
Notaro, Matthew	\$40.00
Notaro, Susan	\$122.25
Notaro, Theresa	\$25.00
Ockers, Co.	\$4,048.24
O'Connell, Ken	\$319.00
O'Connell, Thomas	\$4,834.00
O'Coynce Nancy	\$75.00
OFFICE FURNITURE.COM	\$159.00
Olsen, James	\$79.50
O'Malley, Carol	\$800.00
O'Malley, Matthew	\$75.00
O'Malley, Peter	\$300.00
O'Malley, Walter	\$585.00
O'Malleys Auto Repairs	\$38.28
O'Reilly, Donald	\$53.00
Oriental Trading	\$146.88
Oriental Training	\$49.99
Orne, Johanna	\$154.16
OSORIO, FREDDY	\$25.00
OWEN, MICHAEL J.	\$106.00
PACIELLO, LISA	\$128.00
Page after Page	\$22,209.28
Page, Raymond	\$67.50
Palmieri, Stephen	\$79.50
Palmieri, Steve	\$459.00
Palumbo, Erin	\$53.00
Parent-Child Home Program-Clinton	\$150.00
Parent-Child Home Program-Marlboro	\$150.00
Parker, Ron	\$150.00
Parker, Shawn	\$75.00
Paszko, Jane	\$240.00
PATTERSON & ASSOCIATES, W.R.	\$1,500.00
Pauls Rental Center	\$344.50
Paul's Repair - Mr. G's Gulf	\$843.85
Pawlak, Sam	\$75.00
Peace, Nancy	\$680.00
Pearson	\$9,468.24
Pellegrini, Gina	\$875.00
Pellegrini, Michael	\$75.00
PEMBER, CARA	\$75.00
PEPPER & SON, INC. J.W.	\$991.59

Perez, Franklin	\$40.00
Perez, Lizbeth	\$3,060.00
Perez, Wigberto	\$53.00
Perkins School for the Blind	\$56,554.63
PETIT, DAVID	\$82.00
Phipps, Adelaida	\$468.72
Piche, Robert	\$184.00
Piel, Dennis	\$318.00
PIMEDA, MARIO	\$225.00
PINEDA, MARIO JR.	\$75.00
Pitney Bowes	\$6,617.10
PITSCO Total	\$2,044.04
Polansky, David	\$400.00
PORTABLE WELDING CO., INC.	\$285.00
POSTMASTER TOWN OF CLINTON	\$1,000.00
POWELL STONE & GRAVEL CO., INC.	\$55.35
Precision Fitness Equip.	\$670.00
Pro Care Therapy	\$22,491.93
Projector Screen Store	\$1,633.96
PROKO, MARKELIAN	\$75.00
Prudhomme, Cody	\$40.00
PUBLIC BROADCASTING SERVICE	\$386.81
Pupecki, Lauren	\$255.00
Quill, Ann	\$25.00
QUINN, BRIAN	\$177.00
Quinn, Peter	\$106.00
Quirk, Christine	\$119.76
Quist, Robin	\$1,158.40
Ransford Pest Control	\$1,130.00
RB Allen	\$850.00
REALLY GOOD STUFF	\$48.90
Reliable Fire Protection	\$175.00
Reni, Pam	\$95.00
Renzi, Barbara	\$240.00
RF Lowe Village Transportation	\$65,699.00
RFB & D (Books on Tape)	\$350.00
RICHARDS, PETER	\$90.00
Ricky's Towing & Repair	\$100.00
Ricoh	\$3,911.71
Ride Rite Medi Van	\$155,317.30
Rimbach, Cynthia	\$1,257.06
RIS PAPER COMPANY, INC.	\$11,849.20
Robert F. Kennedy School	\$50,140.00
Robert L. McCarthy & Son, Inc.	\$36,000.00
Robles, Natalie	\$190.00
Robuccio, Robert	\$106.00
Rochard, Paula	\$68.00
Roche, Steve	\$75.00
Rockwell Roofing, Inc.	\$1,538.23
Rodgers, Manny	\$75.00
Rodina, Regina	\$13.30
Rodriguez, Juan	\$40.00
Ron's Sound and Recording	\$750.00
Rotary Club of Clinton	\$260.00
RO-VIC, INC.	\$174.28
Roy, Daniel	\$128.00
ROYAL, MATT	\$39.95
RPB Systems & Services	\$58,600.49
RS ENERGY, INC.	\$18,299.72
RUGGIERO, TOM	\$118.00
RUSSELL, BETSY	\$18.73

Sabri, Hasan	\$40.00
Sanchez, Rigo	\$75.00
Santos, Kristian	\$75.00
Sargent, Amanda	\$137.73
Sargent, Annmarie	\$483.65
Sargent, Trisha	\$120.00
SAX ARTS & CRAFTS	\$149.26
SCAVONE, AMY	\$360.00
Schiller, Matt	\$150.00
Scholastic Book Fairs	\$2,141.77
SCHOLASTIC CHOICES	\$265.65
SCHOLASTIC CLASSROOM	\$596.75
Scholastic Inc.	\$40.14
School Health	\$149.00
School Lunch Program	\$750.00
School Specialties	\$5,987.18
Schools for Children (Seaport)	\$66,601.51
SCIENCE KIT, LLC	\$1,064.14
Scoreboard Enterprizes	\$271.50
Seed, Robert	\$900.00
SEFRANEK, VERNA	\$450.00
Segu, Christopher	\$240.00
Serina, Angelo	\$68.00
Seymour, Brenda	\$195.00
Shaff, G. Stephen	\$136.50
Shaughnessy, Gina	\$150.00
Shaw's Supermarket	\$2,697.82
Sheehan, Janyce	\$22.56
SHEPHERD HILL CHEERLEADERS	\$85.00
Siemens Building Tech	\$2,966.40
SILVA, JULIE	\$203.00
Silvion, Meghan	\$450.00
Simone, Paul	\$82.00
Simple Man Saloon	\$1,298.00
Simring, Lise	\$325.82
Slattery, Ted	\$75.00
Smith, Brianna	\$207.50
Smith, Jon	\$203.00
Smith, Wayne	\$79.50
Solar, Rosemary	\$1,200.00
SOWILSKI, PAWEL	\$75.00
SPINAZOLA, JOSEPH	\$106.00
Sports Decals	\$42.90
Spring, Bruce	\$68.00
STAPLES	\$11,146.25
Stebbins & Duffy, Inc.	\$1,471.00
STEBBINS-DUFFY, INC.	\$1,008.00
Stephens, Holten	\$40.00
Summit Academy	\$29,981.16
Sunterra Equipment	\$5,532.00
Super Duper Publications	\$534.60
Tata, Steve	\$75.00
Teachers 21	\$21,900.00
TEACHER'S DISCOUNT	\$271.96
Techexcess	\$200.00
Telegram & Gazette	\$106.55
THE MOLLY BISH CENTER	\$90.00
The President's Challenge	\$82.50
THERAPRO	\$768.48
Thompson, Lois	\$450.00
Tierney, Marilyn	\$84.38

TIGER DIRECT	\$675.71
TORCOMP, INC.	\$5,660.00
Tourigny, Renee	\$351.00
Tourigny, Susan	\$53.00
Town Hall	\$250.00
Town of Clinton - Police Services	\$7,951.00
Trans Canada	\$261,763.44
Traugott, Veronica	\$900.00
TRITON H.S. CHEERLEADERS	\$100.00
TRI-TRONICS	\$2,006.00
Turini's Catering	\$300.00
U.S. Postal Service	\$185.00
Umass Medical School	\$1,000.00
Umass Memorial Medical Group	\$5,416.71
Underground Screen Printing	\$3,251.58
Unifund	\$6,493.00
UNITED ART & EDUCATION	\$498.87
United Way of Tri-County	\$250.43
VALIANT	\$233.75
Vazquez, Ben	\$68.00
Verizon	\$14,183.52
Vetros, Ali	\$540.00
W.R. Patterson & Assoc.	\$3,000.00
WACHUSETT CHAMBER OF COMM	\$275.00
Wallace, Melissa	\$886.31
Ward, Richard	\$53.00
WARD'S NATURAL SCIENCE EST. LLC	\$1,019.63
Ware, Michael	\$136.00
WEST MUSIC	\$866.65
Westerman Shore Equipment	\$1,795.00
WHALEN, MARK	\$128.00
WHALLEY COMPUTER ASSOC. INC.	\$360.00
White, Robert	\$85.00
Whitney Bros. Oil Co.	\$5,068.52
Wilson, Robert	\$79.50
WOLVERINE SPORTS	\$394.52
WOOD, JASON	\$141.00
Woodwind Brasswind, The	\$670.90
WORC COUNTY SUPERINT ASSOC	\$185.00
Yankee Technology	\$3,429.36
YMCA - Worcester	\$1,268.00
You Inc - McGrath	\$20,219.67
YOUNG, JOHN T	\$75.00
Zentgraf, Christine	\$330.00

Alessandrini, Barry	\$41,530	200	\$41,730
Allard, Mark	\$69,563	1400	\$70,963
Allen, Jeanne	\$19,940		\$19,940
Alvarado, Alison	\$54,774		\$54,774
Auger, Mary	\$41,530	900	\$42,430
Bailey, Danielle	\$70,595	200	\$70,795
Ball, Brenna	\$14,239		\$14,239
Ball, Leanne	\$21,896	500	\$22,396
Barbara Buote	\$21,896		\$21,896
Beatty, Emily	\$40,887		\$40,887
Beaulieu, Noreen	\$71,940	1400	\$73,340
Beck, Donna	\$69,563	1400	\$70,963
Bonci, MaryBeth	\$41,530	200	\$41,730
Bonci, Robert	\$74,066	2000	\$76,066
Borja, Edmundo	\$23,721		\$23,721
Brady, Michele	\$91,056		\$91,056
Brayall, Richard	\$62,182	200	\$62,382
Brodmerkle, Joanne	\$70,596	200	\$70,796
Bruso, Blanca	\$69,563	500	\$70,063
Bruso, Ingrid	\$47,402		\$47,402
Burgwinkle, Kathy	\$21,896		\$21,896
Burke, Debra	\$69,563	2000	\$71,563
Burke, George	\$39,785		\$39,785
Burke, Sean	\$21,896		\$21,896
Byrne, Nancy	\$47,240		\$47,240
Callinan, Thomas	\$71,940	200	\$72,140
Carey, Janet	\$68,212	200	\$68,412
Carreiro, Nancy	\$69,563	2000	\$71,563
Cavanaugh, Matt	\$49,598		\$49,598
Champagne, Lisa	\$43,240		\$43,240
Chetwynd, Ann	\$21,896		\$21,896
Cirigliano, Susan	\$18,502		\$18,502
Cogan, Kirsten	\$19,940		\$19,940
Collins, Sharon	\$70,596	500	\$71,096
Colombo, Paul	\$69,563		\$69,563
Colon, Annette	\$41,530		\$41,530
Connery, Scott	\$69,563		\$69,563
Connolly, Genevieve	\$75,143	1400	\$76,543
Connolly, William	\$3,916		\$3,916
Connor, Kathleen	\$19,940		\$19,940
Contreras, Kenny	\$91,056	200	\$91,256
Cordero, Miguel	\$36,464		\$36,464
Cravedi, Kim	\$69,563	500	\$70,063
Crowley, Jillian	\$30,960		\$30,960
Crowley, Tobias	\$69,563	500	\$70,063
Cunningham, Elizabeth	\$61,153		\$61,153
Curtin, Donna	\$56,120	0	\$56,120
Curtin, Philip	\$69,563		\$69,563
Czermak, Scott	\$74,066	500	\$74,566
Dairi, Ghada	\$15,100		\$15,100
Daly, Irene	\$6,493		\$6,493
Dawkins, Ralph	\$69,563	200	\$69,763

DeBlois, Patricia	\$69,563	900	\$70,463
Dee, Cynthia	\$68,212	500	\$68,712
Della-Valle, Paul	\$42,210		\$42,210
DeSouza, Eloa	\$47,402		\$47,402
Devaney, Nancy	\$21,896	500	\$22,396
Dimeco, Erin	\$5,245		\$5,245
DiMeco, Sharon	\$41,530	1900	\$43,430
DiSessa, Brenda	\$49,782		\$49,782
DiTullio, Erin	\$41,738	900	\$42,638
Dobbins, Mary Ann	\$48,747		\$48,747
Dolan, Jessica	\$46,363		\$46,363
Donnini, Denise	\$21,896	200	\$22,096
D'Onofrio, Linda	\$68,212	500	\$68,712
Donohoe, Denise	\$61,153		\$61,153
Donohue, Julie	\$19,940		\$19,940
Dorsey, Margaret	\$75,143	1400	\$76,543
Duvarney, Cathy	\$68,212	200	\$68,412
Eckert, Shelly	\$23,721		\$23,721
Fahy, Kathy	\$74,248		\$74,248
Falconer, Mary Ann	\$56,120		\$56,120
Fallon, Anne	\$69,563	2000	\$71,563
Favreau, Barbara	\$21,896	900	\$22,796
Fazio, Joe	\$14,254		\$14,254
Fitzgerald, Jane	\$64,562	200	\$64,762
Fitzgerald, Theresa	\$71,940	200	\$72,140
Flanagan, Cara	\$21,896	200	\$22,096
Flanagan, Karyl lee	\$19,253		\$19,253
Foley, Marguerite	\$74,066	500	\$74,566
Fontana, David	\$39,785	2500	\$42,285
Forbes, Vicki	\$46,363		\$46,363
Forte, Mark	\$39,785	1900	\$41,685
France, Joyce	\$30,796		\$30,796
Frias, Marjorie	\$2,868		\$2,868
Friedrich, Maureen	\$69,563	500	\$70,063
Frisch, Emily	\$67,233		\$67,233
Gage, Alan	\$68,212	2000	\$70,212
Galeski, Ann	\$69,563	2000	\$71,563
Gannon, Anthony	\$69,563	500	\$70,063
Gannon, Casey	\$39,785		\$39,785
Gannon, Justine	\$47,402		\$47,402
Garceau, Laura	\$15,820		\$15,820
Garcia, Mary	\$71,940		\$71,940
Garrity, Marypat	\$75,143	2700	\$77,843
Gaughan, Lynnann	\$69,563	200	\$69,763
Generoux, Jean	\$65,680		\$65,680
Gibbons, Deborah	\$41,530	1900	\$43,430
Gibbons, John	\$74,066	2000	\$76,066
Gilcrest, Kim	\$13,066		\$13,066
Giroux, Sue	\$69,563	500	\$70,063
Gizzonio, Kelli	\$19,940		\$19,940
Goldman, Rebecca	\$67,233		\$67,233
Goulet, Joel	\$47,402		\$47,402

Gray, Michelle	\$16,304		\$16,304
Hagermoser, Julia	\$65,912	200	\$66,112
Hanratty Leslie	\$48,747		\$48,747
Hastings, James	\$106,887	200	\$107,087
Haviland, Betty	\$75,143	200	\$75,343
Henebry, Gail	\$18,245		\$18,245
Henrie, Sarah	\$42,210		\$42,210
Hodsen, Jennifer	\$72,978		\$72,978
Hoessel, Jeannette	\$69,563	200	\$69,763
Holfinger, David	\$68,212	200	\$68,412
Houle, Jenn	\$14,340		\$14,340
Howard, Edward	\$62,182		\$62,182
Howes, Lauren	\$49,782		\$49,782
Ingano, Adam	\$70,596		\$70,596
Ingano, Jannine	\$21,896	200	\$22,096
Ingano, Terrance	\$120,000	2700	\$122,700
Janda, Michael	\$20,423	200	\$20,623
Jent, Pamela	\$70,596	200	\$70,796
Jewett, Suzanne	\$74,066	2000	\$76,066
Jones, Pam	\$9,272		\$9,272
Jones, Pamela	\$18,240		\$18,240
Kach, Jaime	\$91,056		\$91,056
Karpuk, Scott	\$53,747		\$53,747
Keenan, Erin	\$4,340		\$4,340
Kerrigan, Patricia	\$70,596	1400	\$71,996
Kilcoyne, Diane	\$21,896	200	\$22,096
Kleinknecht, Carol	\$70,596	200	\$70,796
Knoll, Teri	\$19,940		\$19,940
Kulis, Karen	\$69,563	1400	\$70,963
Lamlein, Bethany	\$42,358	200	\$42,558
Lamlein, Kate	\$47,402		\$47,402
Landress-Towne, Susan	\$69,563		\$69,563
Lavelle, Chris	\$69,563	500	\$70,063
Laverdure, Mary	\$21,896	200	\$22,096
Learned, Willard	\$49,598	500	\$50,098
Lefevre, Danielle	\$69,563		\$69,563
Liming, David	\$62,182		\$62,182
Littlefield, Amanda	\$19,253		\$19,253
Luschen, Keith Head	\$38,196		\$38,196
Lynch, Holly	\$43,268		\$43,268
Mack, Jody	\$72,978	900	\$73,878
MacKillop, Evan	\$69,563	200	\$69,763
Madera, Jasmin	\$30,477		\$30,477
Maillet, Adrienne	\$19,253		\$19,253
Marino, Joe	\$39,785		\$39,785
Martin Shelly	\$51,073		\$51,073
Martin, Lisa	\$26,753		\$26,753
Martin, Susan	\$70,596		\$70,596
Mason, Amy	\$56,120		\$56,120
Massalski, Paul	\$70,596		\$70,596
Mathieu, Kristin	\$48,747		\$48,747
McAuliffe, Jane	\$68,212	500	\$68,712

McClellan, Young Sook	\$39,785		\$39,785
McDermott, Lori	\$13,962		\$13,962
McDonald, Marilyn	\$61,153	200	\$61,353
McDonough, Louise	41,912		\$41,912
McEvilly, Jackie	\$30,960		\$30,960
McGown, Donna	\$21,896	200	\$22,096
McGrail, John	\$68,212	200	\$68,412
McGrail, Judith	\$61,153	500	\$61,653
McGrail, Meghan	\$13,293		\$13,293
McGuire, Terrance	\$72,978		\$72,978
McMullen, Lyndsey	\$41,912		\$41,912
McNally, Beth	\$51,649		\$51,649
McNally, Cindy	\$30,477		\$30,477
McNamara, Patti	\$23,030		\$23,030
Medeiros, Erin	\$70,596	200	\$70,796
Menard, David	\$26,187	774	\$26,961
Mendez, Candice	\$69,563	200	\$69,763
Mendoza, Gladys	\$30,477		\$30,477
Michalak, Tiffany	\$69,563	200	\$69,763
Michaud, Kelly	\$42,210		\$42,210
Mike Murray	\$39,785		\$39,785
Miller, Cecilia	\$18,997		\$18,997
Moisan, Derek	\$59,827		\$59,827
Moran, Judith	\$59,827		\$59,827
Moran, Kate	\$8,442		\$8,442
Moran, Kate	\$17,517		\$17,517
Morrison, Paul	\$69,563	1400	\$70,963
Mortimer, Erin	\$53,747		\$53,747
Muldoon, Lynda	\$47,402		\$47,402
Murray, Joanne	\$68,212	500	\$68,712
Murray, Tim	\$19,253		\$19,253
Nascimento, Maura	\$70,596		\$70,596
Nee, Shauncy	\$21,259		\$21,259
Neeley, Mary	\$51,641	500	\$52,141
Nichols, Sandra	\$11,531		\$11,531
Niser, Val	\$47,402		\$47,402
Nolan, Linda	\$75,143	1400	\$76,543
Nolan, Marilee	\$69,563	1400	\$70,963
Notaro, Constance	\$21,896	200	\$22,096
Notaro, Mary	\$69,563	900	\$70,463
Notaro, Susan	\$27,367	200	\$27,567
O'Connell, Wendy	\$23,721	200	\$23,921
Ogborn, Eugene	\$64,562		\$64,562
O'Loughlin, Kevin	\$71,940	1400	\$73,340
O'Loughlin, Maureen	\$68,212	200	\$68,412
O'Malley, Carol	\$61,153	200	\$61,353
O'Malley, Walter	\$65,881		\$65,881
Orne, Johanna	\$20,639		\$20,639
Paparazzo, Denise	\$69,563	200	\$69,763
Parker, Kelli	\$16,304		\$16,304
Parker, Nicole	\$72,978	200	\$73,178
Parsons, Liana	\$9,500		\$9,500

Pasquale, Karen	\$17,902		\$17,902
Pastyrick, Alida	\$17,902		\$17,902
Patterson, Kim	\$70,596	200	\$70,796
Pellegrini, Gina	\$45,626		\$45,626
Perez, LizBeth	\$60,510		\$60,510
Philbin, Lisa	\$69,563	500	\$70,063
Plump, Crystal	\$56,120		\$56,120
Powers, Linda	\$69,563	500	\$70,063
Pulnik, Marie	\$21,896	500	\$22,396
Pupecki, Lauren	\$48,747		\$48,747
Quirk, Christine	\$19,253		\$19,253
Quirk, Richard	\$58,476		\$58,476
Quist, Robin	\$70,596	200	\$70,796
Raffi, Corey	\$74,066	200	\$74,266
Ramos, Hector	\$39,785		\$39,785
Ramos, Mitzie	\$21,896	200	\$22,096
Rauscher, Elaine	\$75,143	1400	\$76,543
Reni, Pamela	\$69,563	2000	\$71,563
Renzi, Barbara	\$69,609		\$69,609
Rice, Beverly	\$68,212	1400	\$69,612
Rice, Jeannette	\$71,940	500	\$72,440
Riley, Loy	\$72,978		\$72,978
Rodriguez, Gloria	\$70,596	200	\$70,796
Russell, Betsy	\$43,128		\$43,128
Santasania, Thomas	\$62,182	200	\$62,382
Sargent, Annmarie	\$90,462	1400	\$91,862
Sargent, Kevin	\$16,717		\$16,717
Sargent, Lisa	\$70,596	200	\$70,796
Sargent, Marianne	\$75,143	2000	\$77,143
Sargent, Geraldine	\$100,184	2700	\$102,884
Scavone, Amy	\$70,596		\$70,596
Schrmack, Tricia	\$72,978	1400	\$74,378
Seed, Robert	\$70,596		\$70,596
Sefranek, Verna	\$70,596	200	\$70,796
Segelhorst, Heidi	\$17,537		\$17,537
Sesny, Michele	\$19,253		\$19,253
Seymour, Brenda	\$71,940		\$71,940
Sheehan, Janyce	\$71,940	900	\$72,840
Silvo, Meghan	\$63,527		\$63,527
Smith, John	\$23,030		\$23,030
Solar, Rosemary	\$64,562		\$64,562
Spencer, Charline	\$5,150		\$5,150
Sweatland, Libbie	\$41,530	1900	\$43,430
Tambollo, Maria	\$21,259		\$21,259
Taylor, Jeff	\$40,887		\$40,887
Thompson, Lois	\$58,476	500	\$58,976
Tierney, Liza	\$14,169		\$14,169
Tierney, Marilyn	\$49,777	900	\$50,677
Torocco, Olivia	\$21,896		\$21,896
Traugott, Veroncia	\$44,299		\$44,299
Trinque, Karen	\$21,896	200	\$22,096
Turini, Ellen	\$71,940	1400	\$73,340

Turini, MaryBeth	\$23,721	200	\$23,921
Vanasse, E.	\$74,066	2700	\$76,766
Vanasse, Kelli	\$41,530	200	\$41,730
Vasquez, Debbie	\$21,896	500	\$22,396
Velardi, Megan	\$70,596		\$70,596
Vetros, Michael	\$103,476	2000	\$105,476
Villeneuve, Carree	\$12,231		\$12,231
Volmar, Catherine	\$69,563		\$69,563
Wallace, Melissa	\$74,066	500	\$74,566
Ward, Pat	\$21,896		\$21,896
Weeks, Susan	\$69,563	500	\$70,063
Wetherell, Casey	\$21,602		\$21,602
Wetherell, Maureen	\$49,777	900	\$50,677
Whittenburg, Ann	\$71,940		\$71,940
Winn, Katie	\$68,266	200	\$68,466
Worth, Susan	\$70,596	1400	\$71,996
Zahariadis, Steph.	\$69,563	500	\$70,063
Zelent, Linda	\$21,896	200	\$22,096
Zentgraf, Christine	\$69,563	200	\$69,763

# Annual Town Meeting Warrant



Town Hall Fallon Auditorium  
June 6, 2011  
7:00 P.M.

TOWN OF CLINTON  
COMMONWEALTH OF MASSACHUSETTS  
**WARRANT FOR ANNUAL TOWN MEETING**

WORCESTER, SS.

To the Constable of the Town of Clinton in the County of Worcester.

GREETINGS:

In the name of the Commonwealth of Massachusetts, you are hereby directed to notify and warn the inhabitants of the Town, qualified to vote in the elections and town affairs, to meet at the Town Hall in said Clinton on Monday, the sixth day of June 2011 at 7:00 P.M., then and there to act on the following articles:

ARTICLE 1

To receive the reports of the town officers and to act thereon.

ARTICLE 2

To see if the Town will vote to fix the salaries and compensation of all elective officials of the Town, as provided by Chapter 41, Section 108 of the M.G.L., as amended, said salaries and compensation to be effective from July 1, 2011 to June 30, 2012, and to raise and appropriate a sum of money therefore, or act in any manner relating thereto.

(Finance Committee - Approved)

ARTICLE 3

To see if the Town will vote to raise and appropriate from the current tax levy or transfer from available funds such sums of money as may be deemed necessary to defray town charges from July 1, 2011 to June 30, 2012, as those charges appear in the Finance Committee Report of Recommendations, or act in any manner relating thereto.

(Finance Committee - Approved)

ARTICLE 4

To see if the Town will vote to raise and appropriate the sum of \$600,000.00, said sum to be used to supplement the School Department budget for fiscal year 2012 contingent upon the passage of a proposition 2½ referendum question, or act in any manner relating thereto.

(Finance Committee - Approved)

ARTICLE 5

To see if the Town will vote to authorize the Town Treasurer and Town Collector to enter into a compensating balance agreement for Fiscal Year 2012 pursuant to Chapter 44, Section 53F of the M.G.L., as amended, or act in any manner relating thereto.

ARTICLE 6

To see if the Town will vote to raise and appropriate or take from available funds the sum of \$4,800.00, or any other sum, said sum to be expended for social services in accordance with programs as approved by the Board of Selectmen, or act in any manner relating thereto.

(Finance Committee - Approved)

ARTICLE 7

To see if the Town will vote to raise and appropriate or take from available funds the sum of \$15,000.00, or any other sum, said sum to be expended as the Town of Clinton's share to the Wachusett Health Education Action Team (WHEAT, Inc.), which committee is a delegate agency of the Montachusett Opportunity Council, Inc., or act in any manner relating thereto.

(Finance Committee - Approved)

ARTICLE 8

To see if the Town will vote to raise and appropriate or take from available funds the sum of \$5,513.40, or any other sum, said sum to be expended by the Board of Selectmen for the following unpaid bills, or act in any manner relating thereto.

UMASS Center for Health Care Financing	\$ 3,091.73
Clinton Hospital	\$ 1,223.00
Health Alliance	\$ 536.42
Hanger Prosthetics	\$ 350.87
Stephen Mudgett	\$ 150.00
UMASS Memorial	\$ 148.93
Polar Beverages	\$ 12.45

(Finance Committee - Approved)

ARTICLE 9

To see if the Town will vote to raise and appropriate, borrow, transfer from the Stabilization Fund or take from available funds the sum of \$30,000.00, or any other sum, said sum to be expended by the Police Chief for the purchase of one (1) new police cruiser, or act in any manner relating thereto.

(Police Chief)

(Finance Committee - Approved)

## ARTICLE 10

To see if the Town will vote to raise and appropriate, borrow, transfer from the Stabilization Fund or take from available funds the sum of \$47,444.00, or any other sum, said sum to be expended by the Board of Assessors to defray the cost of performing the state mandated property revaluation for Fiscal Year 2012, or act in any manner relating thereto.

(Board of Assessors)

(Finance Committee - Approved)

## ARTICLE 11

To see if the Town will vote to raise and appropriate, borrow, transfer from the Stabilization Fund or take from available funds the sum of \$35,000.00, or any other sum, said sum to be expended by the Police Chief for an upgrade of the computer system at the Clinton Police Station, or act in any manner relating thereto.

(Police Chief)

(Finance Committee - Approved)

## ARTICLE 12

To see if the Town will vote to raise and appropriate, borrow, transfer from the Stabilization Fund or take from available funds the sum of \$12,250.00, or any other sum, said sum to be expended by the Fire Chief for the purchase of thermal imaging equipment for the Clinton Fire Department, or act in any manner relating thereto.

(Fire Chief)

(Finance Committee - Approved)

## ARTICLE 13

To see if the Town will vote to raise and appropriate, borrow, transfer from the Stabilization Fund or take from available funds the sum of \$6,400.00, or any other sum, said sum to be expended by the Parks & Recreation Commission for the purchase of a new zero turn forty-four inch lawn mower, or act in any manner relating thereto.

(Parks & Recreation)

(Finance Committee - Approved)

## ARTICLE 14

To see if the Town will vote to raise and appropriate the sum of \$285,000.00, said sum is appropriated for the purpose of financing the development of a Stormwater Management Plan including without limitation all costs thereof as defined in Section 1 of Chapter 29C of the General Laws, as most recently amended by St. 1998, c.78; that to meet this appropriation the Town Treasurer with the approval of the Board of Selectmen is authorized to borrow \$285,000.00 and issue bonds or notes therefore under Chapter 44 of the General Laws and/or Chapter 29C of the General Laws, as most recently amended by St. 1998, c.78; that such bonds or notes shall be general obligations of the Town unless the Town Treasurer with the approval of the Board of Selectmen determines that they should be issued as limited obligations and may be secured by local system revenues as defined in Section 1 of Chapter 29C, as most recently amended by St. 1998, c.78; that the Town Treasurer with the approval of the Board of Selectmen is authorized to

borrow all or a portion of such amount from the Massachusetts Water Pollution Abatement Trust established pursuant to Chapter 29C, as most recently amended by St. 1998, c.78; and in connection therewith to enter into a loan agreement and/or security agreement with the Trust and otherwise to contract with the Trust and the Department of Environmental Protection with respect to such loan and for any federal or state aid available for the project or for the financing thereof; that the Board of Selectmen is authorized to enter into a project regulatory agreement with the Department of Environmental Protection, to expend all funds available for the project, or act in any manner relating thereto.

(Department of Public Works)

(Finance Committee - Approved)

#### ARTICLE 15

To see if the Town will vote to accept the provisions of Sections 27 and 28 of Chapter 131 of the Acts of 2010 entitled "Supplemental Pension Allowance to Surviving Spouses of Disabled Employees," to increase the annual cap for survivor benefits to \$9,000.00 per year; or act in any manner relating thereto.

(Retirement Board)

(Finance Committee - Approved)

#### ARTICLE 16

To see if the Town will vote to amend the Zoning By-Laws for the purpose of facilitating compliance with M.G.L. c. 43D, its 180-day deadline on the issuance of permitting decisions and Town Meeting's acceptance of the same for the designated Priority Development Sites (PDS), as follows:

Item 1. Add the following, new Section 5390:

**5390. Priority Development Site(s).** Application for a sign permit at a Priority Development Site (PDS) shall be submitted either (a) simultaneously with any other permit application(s) required by the Zoning or Administrative By-Laws relating to the use or development of the PDS, or the buildings and/or structures located thereon, and not otherwise exempted by G.L. c. 43D, or (b) immediately upon the issuance of a special permit therefor, if so required. A decision thereon shall be rendered no later than thirty (30) days from the date of submission of a complete application.

Item 2. Add the following, new Section 9337:

9337. Where the development of a Priority Development Site (PDS) requires one (1) or more special permit(s), application(s) therefor shall be submitted simultaneously with any other permit application(s) required by the Zoning or Administrative By-Laws relating to the use or development of the PDS, or the buildings and/or structures located thereon, and not otherwise exempted by G.L. c. 43D. The completeness of said application(s) shall be determined, and the applicant(s) notified of the same, in accordance with G.L. c. 43D and 400 CMR 2.00, *et seq.* Decision(s) on said application(s) shall be rendered no later than 180 days from the date of submission of complete application(s); provided, however, that a decision on an application for a special permit to allow on- or off-premises sign(s) shall be made no later than 140 days from said date of submission, with an application for a sign permit submitted to the Building Commissioner immediately thereafter.

Item 3. Add the following, new Section 9436:

9436. *Priority Development Site(s).* Notwithstanding the foregoing, where the development of a Priority Development Site (PDS) requires site plan review, an application therefor shall be submitted simultaneously with any other permit application(s) required by the Zoning or Administrative By-Laws relating to the use or development of the PDS, or the buildings and/or structures located thereon, and not otherwise exempted by G.L. c. 43D. Due to the complexity associated with concurrent reviews, where development of the PDS also requires one (1) or more special permit(s), regardless of the designated special permit granting authority, the 60-day deadline for Planning Board action on a complete application for site plan review, as aforesaid, shall be extended to 180 days from the date of submission thereof.

Item 4. Add the following, new definition to Section 10000, alphabetically:

PRIORITY DEVELOPMENT SITE: Any of the properties designated as such by majority vote of Town Meeting and subsequent approval of the Interagency Permitting Board established by G.L. c. 23A, § 62, all pursuant to G.L. c. 43D, being identified in the Assessor's records as Map 85, Lots 297, 298, 299, 377, 378, 1252, 1436, 1669, 2363 and 3460 and Map 131, Lot 2066. Final action on application(s) relating to the use or development of the Priority Development Site (PDS), or the buildings and/or structures thereon, shall be taken within 180 days, subject to extension as per G.L. c. 43D and 400 CMR 2.00, *et seq.*

## ARTICLE 17

To see if the Town will vote to amend the Zoning By-Laws to update the Floodplain District for the purpose of facilitating compliance with new flood maps drafted by the Federal Emergency Management Agency (FEMA), as follows:

Item 1. Add the following, new Section 8120:

**8120 District Delineation.** The FPOD is herein established as an overlay district. The District includes all special flood hazard areas within the Town of Clinton designated as Zones A and AE, on the Worcester County Flood Insurance Rate Map (FIRM) issued by the Federal Emergency Management Agency (FEMA) for the administration of the National Flood Insurance Program. The map panels of the Worcester County FIRM that are wholly or partially within the Town of Clinton are panel numbers 25027C0952E, 25027C0953E, 25027C0954E, 25027C0956E, 25027C0957E and 25027C0958E, dated July 4, 2011. The exact boundaries of the FPOD may be defined by the 100-year base flood elevations shown on the FIRM and further defined by the Worcester County Flood Insurance Study (FIS) report dated July 4, 2011. The FIRM and FIS report are incorporated herein by reference and are on file with the Town Clerk, Planning Board, Conservation Commission, Board of Assessors, Building Commissioner and Zoning Commissioner.

Item 2. Add the following, new Section 8130:

**8130 Overlay District.** The FPOD is established as an overlay district to all other districts. All development in the district, including structural and non-structural activities,

whether permitted by right or by special permit must be in compliance with Chapter 131, Section 40 of the Massachusetts General Laws and with the following:

- Section of the Massachusetts State Building Code which addresses floodplain and coastal high hazard areas
- Wetlands Protection Regulations, Department of Environmental Protection (DEP) (currently 310 CMR 10.00);
- Inland Wetlands Restriction, DEP (currently 310 CMR 13.00);
- Minimum Requirements for the Subsurface Disposal of Sanitary Sewage, DEP (currently 310 CMR 15, Title 5);

Item 3. Add the following new section:

### **BASE FLOOD ELEVATION AND FLOODWAY DATA**

1. **Floodway Data.** In Zones A and AE, along watercourses that have not had a regulatory floodway designated, the best available Federal, State, local, or other floodway data shall be used to prohibit encroachments in floodways which would result in any increase in flood levels within the community during the occurrence of the base flood discharge.

2. **Base Flood Elevation Data.** Base flood elevation data is required for subdivision proposals or other developments greater than 50 lots or 5 acres, whichever is the lesser, within unnumbered A zones.

Item 4. Add the following new section:

### **NOTIFICATION OF WATERCOURSE ALTERATION**

In a riverine situation, the Conservation Commission shall notify the following of any alteration or relocation of a watercourse:

- Adjacent Communities
- NFIP State Coordinator  
Massachusetts Department of Conservation and Recreation  
251 Causeway Street, Suite 600-700  
Boston, MA 02114-2104
- NFIP Program Specialist  
Federal Emergency Management Agency, Region I  
99 High Street, 6th Floor  
Boston, MA 02110

### ARTICLE 18

To see if the Town will vote to amend the Zoning By-Laws as follows:

Item 1. In Section 9300, entitled "Special Permits", Subsection 9330 entitled "Procedures", add the position of Director Community & Economic Development to the list of town officials receiving a copy of all special permit applications by inserting "Director Community & Economic Development" after "Fire Chief,".

Item 2. In Section 9400, entitled “Site Plan Review”, Subsection 9430 entitled “Procedures”, add the position of Director Community & Economic Development to the list of town officials receiving a copy of all site plan review applications by inserting “Director Community & Economic Development” after “Fire Chief,”.

ARTICLE 19

To see if the Town will vote to amend the Zoning Map and Zoning By-Laws for the purpose of establishing a new Light Industrial (LI) District, as follows:

Item 1. Amend said Zoning Map by designating the following land as within the LI District: (a) that land situated at the western end of Clinton, roughly bounded by the Boston & Maine Railroad to the south, the Town of Lancaster to the north and west and South Meadow Road to the east , identified in the Assessor’s records as Map 131, Parcels 135, 787, 2066, 3838 and 3951 and currently zoned Industrial (I); and that land situated at the northern end of Clinton off Myles Standish Road, Parker Road and Adam Street, identified in the Assessor’s records at Map 130, Parcels 3, 412, 1899 and 4134 and currently zoned Industrial (I).

Item 2. In Section 2100, add the following, new reference:

Light Industrial                      LI

Item 3. Also in Section 2100, add a new Subsection 2116, as follows:

2116. *Light Industrial (LI).* The Light Industrial District is intended to provide for assembly, fabrication, office, research, laboratory, biotechnology and other forms of manufacturing.

Item 4. Amend Section 3130, the “Table of Use Regulations,” (a) by modifying the “Exempt and Institutional Uses” numbered 4, 5 and 6 as follows:

<b>PRINCIPAL USE</b>
<b>B. EXEMPT AND INSTITUTIONAL USES</b>
4. Child care center
5. Use of land for the primary purpose of agriculture, horticulture, floriculture, or viticulture on a parcel of more than five acres in area or two qualified acres as set forth in G.L. c. 40A, s. 3
6. Exempt facilities for the sale of produce, and wine and dairy products as set forth in G.L. c. 40A, s. 3

(b) by adding a column thereto for the LI District, as follows:

<b>PRINCIPAL USE</b>	<b>LI</b>
<b>A. RESIDENTIAL USES</b>	
1. Single-family dwelling	N
2. Two-Family dwelling	N
3. Three or More Unit Multifamily dwelling	N
4. Boarding house	N

5. Mobile home park or trailer camp	N
6. Planned unit development/mill conversion	N
7. Flexible development	N
<b>B. EXEMPT AND INSTITUTIONAL USES</b>	
1. Use of land or structures for religious purposes	Y
2. Use of land or structures for educational purposes on land owned or leased by the commonwealth or any of its agencies, subdivisions or bodies politic or by a religious sect or denomination, or by a nonprofit educational corporation	Y
3. Family day care home, small	N
Family day care home, large	N
4. Child care center	Y
5. Use of land for the primary purpose of agriculture, horticulture, floriculture, or viticulture on a parcel of more than five acres in area or two qualified acres as set forth in G.L. c. 40A, s. 3	Y
6. Exempt facilities for the sale of produce, and wine and dairy products as set forth in G.L. c. 40A, s. 3	Y
7. Cemeteries, private	N
8. Municipal facilities	BA
9. Essential services	BA
10. Hospital	BA
<b>C. COMMERCIAL USES</b>	
1. Nonexempt farm	N
2. Nonexempt farm stand for wholesale or retail sale of products	N
3. Nonexempt educational use	N
4. Commercial greenhouse	N
5. Animal clinic or hospital	BA
6. Kennel	BA
7. Nursing or convalescent home	BA
8. Funeral home	N
9. Hotel or motel	BA
10. Bed and Breakfast	N
11. Retail stores and services not elsewhere set forth	N
12. Personal service establishment	N
13. Motor vehicle, trailer, or boat sales and rental	NA
14. Motor vehicle general and body repair	BA
15. Motor vehicle light service	N
16. Car wash	N
17. Restaurant	N
18. Restaurant, fast-food or drive-in	N
19. Business or professional office; bank, financial agency or institution	Y

20. Medical office building or clinic	BA
21. Any other commercial drive-through use	N
22. Indoor commercial recreation	BA
23. Outdoor commercial recreation	N
24. Membership club, civic, social, professional or fraternal organization	BA
25. Commercial parking lot or garage	N
26. Adult entertainment establishment	N
27. Wireless Communications Facility	SB
28. Bus, taxi or other public transit terminal facility	BA
29. Temporary amusement enterprise	N
<b>D. INDUSTRIAL USES</b>	
1. Quarrying or other extractive operation	N
2. Light manufacturing	Y
3. Manufacturing	BA
4. Wholesale, warehouse, self-storage mini-warehouse, or distribution facility	BA
5. Research, experimental and testing laboratories	Y
6. Transportation freight terminal	BA
7. Fuel storage or distribution facility	BA
8. Electric, gas, steam generation or storage plant	N
9. Solid waste disposal facilities; sanitary landfill	N
10. Junkyard or automobile salvage yard	N
11. Plant for dry cleaning, cold storage or freezing	N
12. Beverage bottling or food packaging plant	BA
13. Contractor's yard	BA

and (c) by modifying the following use in the Industrial (I) District:

<b>PRINCIPAL USE</b>	<b>I</b>
<b>D. INDUSTRIAL USES</b>	
1. Quarrying or other extractive operation	N

Item 5. Amend Section 4130, the “Table of Dimensional Regulations,” (a) by adding a column thereto for the LI District, as follows:

<b>DIMENSIONAL REQUIREMENTS</b>	<b>LI</b>
Min. Lot Area, single family (sq. ft.)	N/A
Min. Lot Area, two family (sq. ft.)	N/A
Min. Lot Area, multifamily (sq. ft.)	N/A
Min. Lot Area, all other uses (sq. ft.)	40,000
Min. Frontage (feet)	150

Min. Lot Width (ft.)	100
Min. Front Setback from Street (feet)	30
Min. Side Yard (feet)	25
Min. Rear Yard (feet)	25
Max. Lot Coverage (%)	40
Max. Building Height (ft.)	45
Max. Building Height (# stories)	4

and (b) by modifying the following requirements for the I District:

<b>DIMENSIONAL REQUIREMENTS</b>	<b>I</b>
Min. Lot Area, all other uses (sq. ft.)	12,000*
Min. Frontage (feet)	110*
Min. Lot Width (ft.)	90*
Min. Front Setback from Street (feet)	25*
Min. Side Yard (feet)	15*
Min. Rear Yard (feet)	15*
Max. Lot Coverage (%)	50*
Max. Building Height (ft.)	50*
Max. Building Height (# stories)	5*

\* For the proposed rehabilitation of existing structures in the Industrial District, these requirements shall not apply. Instead, the Planning Board may adjust these requirements in accordance with existing conditions in order to promote the redevelopment and reuse of such properties.

Item 6. In Section 5360, add the words “and LI District” after the words “I District.”

Item 7. In Section 5430, add a new column for the LI District, as follows:

<b>DISTRICT</b>	<b>LI</b>
BUFFER WIDTH (ft.)	10

Item 8. In Section 10000, add the following, new definition:

**Laboratory, research:** Laboratory or research establishments including biotechnology companies but excluding laboratories categorized as Level 4 by the National Institutes for Health.

(Planning Board)

## ARTICLE 20

To see if the Town will vote to amend the Administrative By-Laws for the purpose of facilitating compliance with M.G.L. c. 43D, its 180-day deadline on the issuance of permitting decisions and Town Meeting’s acceptance of the same for the designated Priority

Development Sites (PDS), as follows:

Item 1. Add the following, new sentence to the end of Section 11 in “Article XVIII: Streets and Sidewalks”: “Where the development of a Priority Development Site (PDS), as defined by Section 10000 of the Zoning By-Laws, requires a permit hereunder, an application therefor shall be submitted simultaneously with any other permit application(s) required by the Zoning or Administrative By-Laws relating to the use or development of the PDS, or the buildings and/or structures located thereon, and not otherwise exempted by G.L. c. 43D, and a decision thereon shall be rendered no later than thirty (30) days from the date of submission of a complete application.”

Item 2. Add the following, new Section 2 to “Article XXXVI: Historic District Building Renovation”:

SECTION 2.

The provisions hereof shall not apply to any building now erected or proposed to be erected on any Priority Development Site (PDS), as defined by Section 10000 of the Zoning By-Laws.

Item 3. Within “Article XXXVII: Sewer By-Laws,” renumber Article VII as Article VIII and add the following, new Article VII:

Where the development of a Priority Development Site (PDS), as defined by Section 10000 of the Zoning By-Laws, requires permit(s), approval(s) and/or review(s) hereunder, application(s) or request(s) therefor shall be submitted simultaneously with any other permit application(s) required by the Zoning or Administrative By-Laws relating to the use or development of the PDS, or the buildings and/or structures located thereon, and not otherwise exempted by G.L. c. 43D, and decision(s) thereon shall be rendered no later than ninety (90) days from the date of submission of complete application(s).

ARTICLE 21

To see if the Town will vote to accept the provisions of Massachusetts General Laws Chapter 90, Section 22B, Subsections (b) to (k), as amend, relative to the regulation and processing of abandoned motor vehicles on public property or private property of another, or act in any manner relating thereto.

ARTICLE 22

To see if the Town will vote to accept the provisions of Massachusetts General Laws Chapter 31, Section 58A, as amended, pertaining to the maximum age of hire for public safety personnel, or act in any manner relating thereto.

(Fire Chief)

ARTICLE 23

To see if the Town will vote to accept the provisions of Massachusetts General Laws

Chapter 41, Section 111M, as amended, pertaining to the payment of lost wages for emergency medical technicians, or act in any manner relating thereto.

(Fire Chief)

#### ARTICLE 24

To see if the Town will vote to accept the provisions of Massachusetts General Laws Chapter 41, Section 111N, as amended, pertaining to emergency medical technician medical bills to be paid outside of workers compensation, or act in any manner relating thereto.

(Fire Chief)

#### ARTICLE 25

Voter petition to see if the Town will vote to accept the private ways known as Brendan Road as a public way in the Town of Clinton, or act in any manner related thereto.

(Citizens Petition)

#### ARTICLE 26

Voter petition to see if the Town will vote to accept the private ways known as Craig Drive as a public way in the Town of Clinton, or act in any manner related thereto.

(Citizens Petition)

#### ARTICLE 27

Voter petition to see if the Town will vote to accept the private ways known as Eileen Avenue as a public way in the Town of Clinton, or act in any manner related thereto.

(Citizens Petition)

#### ARTICLE 28

Voter petition to see if the Town will vote to accept the private ways known as Gorham Avenue as a public way in the Town of Clinton, or act in any manner related thereto.

(Citizens Petition)

#### ARTICLE 29

Voter petition to see if the Town will vote to accept the private ways known as Megan Circle as a public way in the Town of Clinton, or act in any manner related thereto.

(Citizens Petition)

**HEREOF FAIL NOT**, and make due return of this warrant with your doing thereon, to the Town Clerk, at the time and place of the meeting, as aforesaid.

**GIVE UNDER OUR HANDS, THIS** twenty-fifth day of May in the year of our Lord, two thousand and eleven.

BOARD OF SELECTMEN

James J. LeBlanc, Chairman  
William F. Connolly, Jr., Vice-Chairman  
Kathleen A. Sheridan, Clerk  
Mary Rose Dickhaut  
David J. Sargent

WORCESTER, SS.

By virtue of this Warrant, I have this day notified and warned the inhabitants of the Town of Clinton aforesaid, qualified to vote in elections and town affairs, to meet at the time and place for the purpose within named, by publishing in The Item, a newspaper published in the said Town, as hereby directed.

James P. Farragher  
Constable for the Town of Clinton

# FINANCE COMMITTEE RECOMMENDATIONS



Fiscal Year 2012

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July 1, 2011 – June 30, 2012

	<u>Fiscal Year 2011</u> <u>Final Budget</u>	<u>Fiscal Year 2012</u> <u>Recommended</u>
<b>114 - Moderator</b>		
Moderator Salary	100.00	100.00
Moderator Misc. Expense	50.00	50.00
<b>Subtotal</b>	<b>150.00</b>	<b>150.00</b>
<b>122 - Board of Selectmen</b>		
Town Administrator Salary	101,229.00	101,229.00
Administrative Assistant Salary	40,254.00	40,254.00
Selectmen Salaries	10,500.00	10,500.00
Selectmen Other Wages	1,500.00	1,000.00
Selectmen Misc. Expense	10,000.00	7,500.00
Medicaid Billing Service	13,600.00	13,500.00
Computer Equipment & Supplies	3,250.00	2,250.00
<b>Subtotal</b>	<b>180,333.00</b>	<b>176,233.00</b>
<b>131 - Finance Committee</b>		
Finance Committee Misc. Exp.	1,800.00	1,800.00
Reserve Fund	70,000.00	70,000.00
<b>Subtotal</b>	<b>71,800.00</b>	<b>71,800.00</b>
<b>135 - Town Accountant</b>		
Accountant Salary	56,368.00	56,368.00
Assistant Accountant Salary	24,111.00	23,611.00
Accountant Misc. Expense	2,000.00	2,000.00
Accountant Computer Expense	3,351.00	3,400.00
<b>Subtotal</b>	<b>85,830.00</b>	<b>85,379.00</b>
<b>141 - Board of Assessors</b>		
Assessors Chair Salary	51,696.00	51,696.00
Assessors Clerk Salary	37,636.00	37,636.00
Assessors Member Salary	50,081.00	50,081.00
Assessors Misc. Expense	11,866.00	11,000.00
<b>Subtotal</b>	<b>151,279.00</b>	<b>150,413.00</b>
<b>145 - Town Treasurer</b>		
Treasurer Salary	55,836.00	55,836.00
Assistant Treasurer Salary	21,440.00	21,440.00
Treasurer Clerk Salary	1.00	1.00
Automatic Data Processing	22,000.00	22,000.00
Treasurer Misc. Expense	8,448.00	8,200.00
Chapter 59A Retirement	7,457.00	7,457.00
Tax Title Expense	2,500.00	2,500.00
<b>Subtotal</b>	<b>117,682.00</b>	<b>117,434.00</b>
<b>146 - Tax Collector</b>		
Tax Collector Salary	51,773.00	51,773.00
Assistant Collector Salary	25,606.00	25,606.00
Collector Other Wages	4,560.00	4,560.00
Collector Misc. Expense	38,841.00	36,750.00
<b>Subtotal</b>	<b>120,780.00</b>	<b>118,689.00</b>
<b>149 - Parking Fines</b>		
Parking Fine Administrator	970.00	940.00
<b>Subtotal</b>	<b>970.00</b>	<b>940.00</b>

	<u>Fiscal Year 2011</u> <u>Final Budget</u>	<u>Fiscal Year 2012</u> <u>Recommended</u>
<b>151 - Town Solicitor</b>		
Solicitor Salary	1.00	1.00
Solicitor Lit/Neg/Legal Memo	89,207.00	89,207.00
Solicitor Misc. Expense	940.00	940.00
<b>Subtotal</b>	<b>90,148.00</b>	<b>90,148.00</b>
<b>161 - Town Clerk</b>		
Town Clerk Salary	54,994.00	54,994.00
Assistant Town Clerk Salary	40,253.00	40,253.00
Registrars Salaries	3,850.00	3,850.00
Town Clerk Misc. Expense	6,100.00	6,100.00
Election Misc. Expense	23,700.00	18,600.00
Street Listing Misc. Expense	500.00	500.00
Census Misc. Expense	5,000.00	5,000.00
<b>Subtotal</b>	<b>134,397.00</b>	<b>129,297.00</b>
<b>171 - Conservation Commission</b>		
Conservation Misc. Expense	1,504.00	1,459.00
<b>Subtotal</b>	<b>1,504.00</b>	<b>1,459.00</b>
<b>175 - Planning Board</b>		
Planning Board Misc. Expense	1,936.00	1,878.00
<b>Subtotal</b>	<b>1,936.00</b>	<b>1,878.00</b>
<b>176 - Zoning Board</b>		
Zoning Board Misc. Expense	1,089.00	1,059.00
<b>Subtotal</b>	<b>1,089.00</b>	<b>1,059.00</b>
<b>179 - Montachusett Planning Comm.</b>		
MRPC Assessment	3,848.00	3,945.00
<b>Subtotal</b>	<b>3,848.00</b>	<b>3,945.00</b>
<b>182 - Economic Development</b>		
Economic Development Director	1.00	1.00
Financial Officer Salary	3,916.00	3,916.00
Program Manager Salary	1.00	1.00
Economic Dev. Misc. Expense	2,740.00	2,540.00
<b>Subtotal</b>	<b>6,658.00</b>	<b>6,458.00</b>
<b>192 - Town Hall Custodian</b>		
Town Hall Custodian Salary	38,695.00	38,695.00
Town Hall Other Wages	2,500.00	2,500.00
Town Hall Heat, Light & Power	58,000.00	58,000.00
Town Hall Repairs	7,500.00	7,500.00
Town Hall Misc. Expense	7,500.00	7,500.00
<b>Subtotal</b>	<b>114,195.00</b>	<b>114,195.00</b>
<b>193 - Insurance/Miscellaneous</b>		
Law Books	750.00	750.00
Civic Fund	2,000.00	2,000.00
Town Report Preparation	6,500.00	6,500.00
Town Audit	41,000.00	41,000.00
Copy Machine Expense	3,500.00	3,500.00
Liability Insurance	7,500.00	7,500.00
Blanket Insurance	175,000.00	150,000.00
<b>Subtotal</b>	<b>236,250.00</b>	<b>211,250.00</b>

**Fiscal Year 2011**  
**Final Budget**

**Fiscal Year 2012**  
**Recommended**

**210 - Police Department**

Police Chief Salary	114,455.00	114,455.00
Police Lieutenant Salary	84,393.00	84,393.00
Police Clerk Salary	36,338.00	19,000.00
Police Sergeants Salaries	280,285.00	280,285.00
Patrolmen Salaries	1,165,902.00	1,133,035.00
Dispatchers Salaries	117,685.00	117,685.00
Police Overtime Pay	100,500.00	100,500.00
Police Longevity Pay	15,500.00	14,500.00
Police Holiday Pay	87,175.00	85,501.00
Police Compensatory Court Time	32,000.00	32,000.00
Police Sick Time Buyback	31,895.00	28,165.00
Police Pensions	36,778.00	36,778.00
Police Incentive	1,850.00	1,850.00
Police Quinn Bill	262,736.00	240,870.00
Police Heat, Light & Power	44,000.00	44,000.00
Police Building Maintenance	3,500.00	3,500.00
Police New Radio Maintenance	1,000.00	1,000.00
Traffic Signs	250.00	250.00
Police Training & Education	6,000.00	6,000.00
Police Uniforms	28,000.00	28,000.00
Police Misc. Expense	67,000.00	67,000.00
Police Station Cleaning Service	31,000.00	31,000.00
Rifle Range	950.00	1,100.00
Police New Equipment	-	5,715.00
<b>Subtotal</b>	<b>2,549,192.00</b>	<b>2,476,582.00</b>

**220 - Fire Department**

Fire Chief Salary	94,565.00	96,364.00
Deputy Chief Salary	66,963.00	67,963.00
Captains/Acting Captains Salaries	182,595.00	191,071.00
Fire Fighters Salaries	777,628.00	761,991.00
Call Fire Fighters Salaries	12,000.00	12,000.00
Fire Alarm Electrician	5,265.00	5,265.00
Fire Clerk	4,000.00	4,000.00
Fire Overtime	134,973.00	120,973.00
Fire Longevity Pay	12,975.00	16,020.00
Fire Holiday Pay	59,385.00	59,485.00
Fire Sick Time Buyback	19,664.00	37,706.00
Fire Pensions	22,337.00	22,697.00
Fire Incentive Pay	17,400.00	16,700.00
Fire Uniforms Allowance	16,675.00	18,750.00
Fire Uniforms Expense	6,500.00	6,500.00
Fire Heat, Light & Power	16,000.00	18,000.00
Apparatus Repair & Maintenance	20,000.00	15,000.00
Fire Building Repair & Maintenance	5,700.00	5,700.00
Fire Alarm Expense	12,000.00	12,000.00
Fire Radio Service	6,000.00	6,000.00
Fire Training	3,500.00	3,500.00
Fire Hose	2,500.00	2,500.00
Fire Misc. Expense	28,000.00	21,000.00
Respiratory Equipment	2,000.00	2,000.00
Fire Equipment	-	7,616.00
<b>Subtotal</b>	<b>1,528,625.00</b>	<b>1,530,801.00</b>

	<i>Fiscal Year 2011 Final Budget</i>	<i>Fiscal Year 2012 Recommended</i>
<b>241 - Building Inspector</b>		
Building Inspector Salary	62,493.00	62,493.00
Building Inspector Other Wages	1,250.00	1,250.00
Permitting Department Clerk	31,155.00	31,155.00
Building Inspector Misc. Expense	4,000.00	3,750.00
<b>Subtotal</b>	<b>98,898.00</b>	<b>98,648.00</b>
<b>242 - Gas/Plumbing Inspectors</b>		
Gas Inspector Misc. Expense	100.00	100.00
Plumbing Inspector Misc. Exp.	100.00	100.00
<b>Subtotal</b>	<b>200.00</b>	<b>200.00</b>
<b>244 - Sealer of Weights &amp; Measures</b>		
Sealer Salary	6,620.00	6,620.00
Sealer Misc. Expense	655.00	655.00
<b>Subtotal</b>	<b>7,275.00</b>	<b>7,275.00</b>
<b>245 - Electrical Inspector</b>		
Electrical Inspector Salary	16,457.00	16,457.00
Asst. Electrical Inspector Salary	-	800.00
Electrical Inspector Misc. Exp.	1,575.00	1,575.00
<b>Subtotal</b>	<b>18,032.00</b>	<b>18,832.00</b>
<b>291 - Emergency Management</b>		
Emergency Mgmt. Misc. Expense	2,000.00	2,000.00
<b>Subtotal</b>	<b>2,000.00</b>	<b>2,000.00</b>
<b>292 - Dog Officer</b>		
Dog Officer Salary	10,000.00	10,000.00
Dog Officer Misc. Expense	100.00	100.00
Dog Officer Kennel Fees	100.00	100.00
<b>Subtotal</b>	<b>10,200.00</b>	<b>10,200.00</b>
<b>301 - School Department</b>		
School Salaries	9,236,325.00	9,236,325.00
School Pensions	54,653.00	54,653.00
Special Needs	4,377,440.00	4,377,440.00
Vocational Education	1,890,322.00	1,890,322.00
School Misc. Expense	1,773,291.00	1,773,291.00
Athletic Fund	51,449.00	51,449.00
<b>Subtotal</b>	<b>17,383,480.00</b>	<b>17,383,480.00</b>
<b>422 - Dept. of Public Works</b>		
DPW Superintendent Salary	18,724.00	18,724.00
DPW Wages	216,760.00	210,560.00
DPW Clerk Salary	7,381.00	7,381.00
DPW Overtime	15,000.00	15,000.00
DPW Longevity Pay	2,400.00	2,450.00
DPW Clothing Allowance	5,625.00	5,625.00
Fuel Tank Pump & Maintenance	95,000.00	110,000.00
Street Maintenance	65,000.00	56,000.00
DPW Misc. Expense	72,500.00	72,200.00
DPW Discretionary Equipment	17,141.00	10,000.00
DPW Snow & Ice	60,000.00	60,000.00
DPW Building Maintenance	10,000.00	8,000.00
DPW Other New Equipment	-	-
<b>Subtotal</b>	<b>585,531.00</b>	<b>575,940.00</b>

	<i><b>Fiscal Year 2011 Final Budget</b></i>	<i><b>Fiscal Year 2012 Recommended</b></i>
<b>491 - Cemetery Department</b>		
Cemetery Wages	190,500.00	176,195.00
Cemetery Overtime	10,000.00	10,000.00
Cemetery Misc. Expense	9,500.00	9,500.00
Tree Removal Services	13,000.00	13,000.00
<b>Subtotal</b>	<b>223,000.00</b>	<b>208,695.00</b>
<b>510 - Board of Health</b>		
Health Agent Salary	24,524.00	24,524.00
Health Board Salaries	900.00	900.00
Physician Salary	10,000.00	10,000.00
Health Nurse Salary	49,552.00	49,552.00
Health Inspector Salary	40,495.00	40,495.00
Health Board Misc. Expense	2,800.00	2,600.00
Nurse Expense	500.00	500.00
Pick-Up Dead Animals	2,000.00	1,800.00
<b>Subtotal</b>	<b>130,771.00</b>	<b>130,371.00</b>
<b>541 - Council On Aging</b>		
COA Director Salary	46,233.00	46,233.00
COA Dispatcher Salary	25,597.00	25,597.00
COA Van Driver Salaries	32,571.00	32,571.00
COA Outreach Worker	15,054.00	15,054.00
COA Site Manager	-	9,959.00
COA Van Maintenance	900.00	900.00
COA Home Care	1,500.00	1,500.00
COA Programs	6,000.00	6,000.00
COA Misc. Expense	13,000.00	13,000.00
<b>Subtotal</b>	<b>140,855.00</b>	<b>150,814.00</b>
<b>543 - Dept. of Veteran Services</b>		
Veterans Agent Salary	37,444.00	37,444.00
Veterans Benefits	180,000.00	230,000.00
Veterans Misc. Expense	970.00	970.00
<b>Subtotal</b>	<b>218,414.00</b>	<b>268,414.00</b>
<b>610 - Bigelow Public Library</b>		
Library Director Salary	59,711.00	59,711.00
Librarians Salaries	98,985.00	93,788.00
Children's Librarian Salary	41,592.00	41,592.00
Library Custodian Salary	24,644.00	24,644.00
Library Heat, Light & Power	16,216.00	13,000.00
Library Repairs	-	-
Books/AV/Periodicals	47,735.00	46,232.00
Library Technology	3,300.00	2,000.00
Library Misc. Expense	16,936.00	13,000.00
Library Public Programs	320.00	-
<b>Subtotal</b>	<b>309,439.00</b>	<b>293,967.00</b>
<b>630 - Parks &amp; Recreation</b>		
Recreation Wages	17,038.00	14,558.00
Recreation Misc. Expense	6,000.00	6,000.00
Parks & Rec. Director Salary	51,669.00	51,669.00
Parks & Rec. Asst. Director Salary	33,481.00	33,481.00
Park Manager	33,481.00	33,481.00
Park Wages	12,500.00	12,500.00
Duffy Park Misc. Expense	1,000.00	-

	<u>Fiscal Year 2011</u> <u>Final Budget</u>	<u>Fiscal Year 2012</u> <u>Recommended</u>
Foster Fountain Misc. Expense	1,000.00	-
Park Heat, Light & Power	1,600.00	-
Park Misc. Expense	8,000.00	8,000.00
Park New Equipment	-	-
Central Park Misc. Expense	9,500.00	8,500.00
Office Heat, Light & Power	6,500.00	4,500.00
Building Maintenance Expense	-	-
<b>Subtotal</b>	<b>181,769.00</b>	<b>172,689.00</b>
<b>699 - Fuller Field Commission</b>		
Fuller Field Caretaker Salary	15,575.00	15,575.00
Fuller Field Other Wages	2,060.00	2,060.00
Heat, Light & Power	-	-
Fuller Field Misc. Expense	13,726.00	13,226.00
<b>Subtotal</b>	<b>31,361.00</b>	<b>30,861.00</b>
<b>910 - Pensions</b>		
Pension/Annuities/Cola	4,440.00	4,440.00
<b>Subtotal</b>	<b>4,440.00</b>	<b>4,440.00</b>
Commission on Disability	668.00	668.00
Cable Advisory Commission	470.00	470.00
Personnel Board	726.00	726.00
Historical Commission	968.00	968.00
Weeks Fund Treasurer Salary	150.00	150.00
Memorial/Veteran's Day	4,982.00	4,982.00
Recycling Expense	30,000.00	30,000.00
Retirement Board Appropriation	1,798,319.00	1,993,352.00
Debt Retirement Principal	1,851,500.00	1,751,500.00
Debt Retirement Interest	828,594.00	749,620.00
Short Term Borrowing	75,000.00	25,000.00
Medicare Tax	225,000.00	225,000.00
Unemployment Compensation	50,000.00	30,000.00
Group Health Insurance	3,302,000.00	3,660,000.00
Workers Compensation	95,000.00	95,000.00
Street Lights	105,000.00	105,000.00
<b>Subtotal</b>	<b>8,368,377.00</b>	<b>8,672,436.00</b>
<b>Grand Total</b>	<b>33,110,708.00</b>	<b>33,317,372.00</b>

**Fiscal Year 2012 Enterprise Budgets****Fiscal Year 2011  
Final Budget****Fiscal Year 2012  
Recommended****232 - Ambulance Enterprise Fund**

Ambulance Wages	180,738.00	209,678.00
Ambulance Holiday Pay	9,077.00	11,046.00
Ambulance Misc. Expense	55,400.00	62,400.00
EMT Comp. Pay	47,500.00	25,000.00
EMT Training Tuition	21,000.00	21,750.00
EMT Training Misc. Expense	4,500.00	4,500.00
EMT Overtime	15,000.00	19,000.00
Building Repair & Maintenance	-	-
Capital Outlay (Ambulance Lease)	32,158.00	32,154.00
Town Service Charges	-	-
<b>Subtotal</b>	<b>365,373.00</b>	<b>385,528.00</b>

\*\*Ambulance Enterprise Budget Offset By User Fees of \$353,374.00 & Retained Earnings of \$32,154.00. Indirect costs \$24,420.00 to be raised and appropriated in the General Fund operating budget and reimbursed through a transfer from the Ambulance Enterprise Fund.

**452 - Water & Sewer Enterprise Fund**

Wages & Salary	546,444.00	552,000.00
Overtime	115,000.00	115,000.00
Superintendent Salary	66,334.00	66,334.00
DPW Clerk Salary	23,894.00	23,894.00
Clothing Allowance	6,875.00	6,875.00
Longevity	3,100.00	3,100.00
Heat, Light & Power	270,000.00	260,000.00
Maintenance & Repairs	75,000.00	-
Equipment & Supplies	70,000.00	65,000.00
Pump Station Operation & Maint.	225,000.00	200,000.00
Water/Sewer Improvements	35,000.00	35,000.00
Water/Sewer Misc. Expense	170,000.00	140,000.00
Capital Outlay	-	-
Discretionary Equipment	60,000.00	51,617.00
Water Charge (DEP)	6,000.00	6,000.00
Cross Connection Services	7,000.00	7,000.00
Payment-in-Lieu of Taxes	1,500.00	1,500.00
Debt & Interest	1,050,000.00	1,010,000.00
Town Service Charges	-	-
<b>Subtotal</b>	<b>2,731,147.00</b>	<b>2,543,320.00</b>

\*\*Water & Sewer Enterprise Budget Offset By User Fees of \$2,543,320.00. Indirect costs of \$84,130.00 to be raised and appropriated in the General Fund operating budget and reimbursed through a transfer from the Water & Sewer Enterprise Fund.

**433 - Rubbish Enterprise Fund**

Rubbish Wages	179,000.00	184,900.00
Superintendent Salary	11,835.00	11,472.00
DPW Clerk Salary	4,132.00	4,131.00
Clothing Allowance	2,500.00	2,500.00
Longevity	250.00	900.00
Rubbish Overtime	1,000.00	1,000.00
Rubbish Misc. Expense	20,000.00	20,000.00
Compactor Maintenance	30,000.00	30,000.00
Rubbish Maint. & Disposal	178,000.00	170,000.00
Town Service Charges	-	-
<b>Subtotal</b>	<b>426,717.00</b>	<b>424,903.00</b>

\*\*Rubbish Enterprise Budget offset by user fees of \$424,903.00. Indirect costs of \$29,400 to be raised and appropriated in the General Fund operating budget and reimbursed through a transfer from the Rubbish Enterprise Fund.

**Fiscal Year 2012 Budget Summary**

	<b><u>Fiscal Year 2011 Final Budget</u></b>	<b><u>Fiscal Year 2012 Recommended</u></b>
General Government	1,138,211.00	1,125,119.00
Public Safety	4,580,765.00	4,531,006.00
Schools	17,383,480.00	17,383,480.00
Public Works	3,996,395.00	3,782,858.00
Health	130,771.00	130,371.00
Council On Aging	140,855.00	150,814.00
Veterans Services	223,396.00	273,396.00
Library	309,439.00	293,967.00
Parks & Recreation	181,769.00	172,689.00
Pensions/Annuities/COLA	4,440.00	4,440.00
Retirement	1,798,319.00	1,993,352.00
Health & General Insurance	3,629,500.00	3,942,500.00
Unclassified	361,511.00	361,011.00
Municipal Indebtedness		
Principal	1,851,500.00	1,751,500.00
Interest	828,594.00	749,620.00
Short Term Borrowing	75,000.00	25,000.00
<b>Grand Total All Funds</b>	<b><u>36,633,945.00</u></b>	<b><u>36,671,123.00</u></b>

**Fiscal Year 2012 Revenue/Budget Projections**

<b><u>Uses of Resources:</u></b>	<b><u>Fiscal Year 2011 Final Budget</u></b>	<b><u>Fiscal Year 2012 Recommended</u></b>
Appropriations:		
Annual Budget	33,110,708.00	33,317,372.00
Ambulance Enterprise Fund	365,373.00	385,528.00
Water & Sewer Enterprise Fund	2,731,147.00	2,543,320.00
Rubbish Enterprise Fund	426,717.00	424,903.00
Annual Town Meeting Articles	21,474.00	22,849.00
Special Town Meeting Articles	-	-
Total Appropriations	<b>36,655,419.00</b>	<b>36,693,972.00</b>
Local Expenditures:		
Tax Title Expenditures	10,000.00	10,000.00
Cherry Sheet Offsets	25,038.00	26,772.00
Debt & Interest Not On Schedule B	-	-
School Choice Assessments	596,219.00	723,371.00
Final Judgements	-	-
Snow & Ice Account	184,175.00	255,000.00
Total Local Expenditures	<b>815,432.00</b>	<b>1,015,143.00</b>
State & County Charges:	48,280.00	47,259.00
Overlay Reserve (Assessors):	150,000.00	150,000.00
<b>Total Uses of Resources</b>	<b>37,669,131.00</b>	<b>37,906,374.00</b>
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<b><u>Sources of Funding:</u></b>		
Local Property Taxes:		
Property Taxes Levy Limit	16,227,728.00	16,987,105.00
Proposition 2 1/2 Increase	405,693.00	424,678.00
Supplemental Tax Assessments	-	-
New Growth Per Assessors	168,000.00	167,000.00
Total Local Property Taxes	<b>16,801,421.00</b>	<b>17,578,783.00</b>
State Aid (Cherry Sheet):		
Chapter 70 Education Aid	10,408,392.00	10,497,286.00
Charter Tuition Reimbursement	132,844.00	67,779.00
School Lunch Program	9,838.00	11,457.00
Lottery Distribution	-	-
Additional Assistance	-	-
General Municipal Aid	1,991,079.00	1,847,116.00
Meals Tax Revenue	-	-
Room Tax Revenue	-	-
Police Career Incentive	10,849.00	-
Veterans' Benefit	126,992.00	206,111.00
Vets, Blind, Elderly Exemption	86,848.00	88,713.00
State Owned Land	2,362.00	2,172.00
Public Libraries	15,200.00	15,315.00
State Retirement Revenue	-	-
Total State Aid	<b>12,784,404.00</b>	<b>12,735,949.00</b>

	<b><u>Fiscal Year 2011</u></b> <b><u>Final Budget</u></b>	<b><u>Fiscal Year 2012</u></b> <b><u>Recommended</u></b>
Estimated Local Revenues:		
Motor Vehicle Excise	1,200,000.00	1,200,000.00
Payments Lieu of Taxes	128,815.00	130,000.00
Tax Liens	40,000.00	40,000.00
Penalties & Interest	120,000.00	120,000.00
Licenses, Fees & Permits	200,440.00	200,000.00
Fines & Forfeits	25,000.00	25,000.00
Town Charges - Amb/Water/Rubbish	-	-
Intergovernmental	41,000.00	40,000.00
Investment Income	70,000.00	70,000.00
Unclassified	238,450.00	250,000.00
<b>Total Estimated Local Revenues</b>	<b><u>2,063,705.00</u></b>	<b><u>2,075,000.00</u></b>
Other Available Funds:		
Free Cash	327,282.00	-
Ambulance Enterprise Fund	365,373.00	385,528.00
Water & Sewer Enterprise Fund	2,731,147.00	2,543,320.00
Rubbish Enterprise Fund	426,717.00	424,903.00
Debt Exclusion (Rauscher/Senior)	337,995.00	333,329.00
Debt Exclusion (School)	399,240.00	350,715.00
School Building Reimbursement	1,293,897.00	1,293,897.00
Transfers from Enterprise Funds	137,950.00	137,950.00
Overlay Surplus	-	47,000.00
Stabilization Fund	-	-
Borrowing on Articles	-	-
Conservation Fund	-	-
Cemetery Trust Fund	-	-
<b>Total Other Available Funds</b>	<b><u>6,019,601.00</u></b>	<b><u>5,516,642.00</u></b>
<b>Total Sources of Revenue</b>	<b><u>37,669,131.00</u></b>	<b><u>37,906,374.00</u></b>
	-----	-----
	-----	-----
<b>PROJECTED SURPLUS (DEFICIT)</b>	<b>0.00</b>	<b>0.00</b>

THE COMMONWEALTH OF MASSACHUSETTS  
STATE RECLAMATION & MOSQUITO CONTROL BOARD

# CENTRAL MASSACHUSETTS MOSQUITO CONTROL PROJECT

111 Otis Street, Northborough, MA 01532-2414

Telephone (508) 393-3055 • Fax (508) 393-8492

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



## ANNUAL REPORT 2011



**PREFACE**

The 2011 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 Pest Management (IPM) program. IPM 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



Member,  
Northeastern  
Mosquito Control  
Association



Sustaining Member,  
American  
Mosquito Control  
Association



Member,  
New Jersey  
Mosquito Control  
Association



Member,  
MassRecycle coalition

**WINNER  
2011 BRONZE AWARD  
NON-PROFIT**



Partner,  
EPA Pesticide  
Environmental  
Stewardship Program



Partner,  
EPA WasteWise  
Program

**THE COMMONWEALTH OF MASSACHUSETTS**

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

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

**State Reclamation Board - Members**

Mr. Lee Corte-Real (DAR) - Chair

Ms. Anne Monnelly (DCR)

Mr. Gary Gonyea (DEP)

Mr. Mark Buffone, Executive Director

Ms. Alisha Bouchard - Projects Administrator

**Commissioners of Central Massachusetts Mosquito Control Project**

[commission@cmmcp.org](mailto:commission@cmmcp.org)

Mr. Richard J. Day - Chair  
Chelmsford, Massachusetts

Mr. Dean Mazarella  
Leominster, Massachusetts

Mr. Pablo E. Noguera  
Billerica, Massachusetts

Mr. Paul Mazzuchelli  
Milford, Massachusetts

Dr. Sam Telford  
Shrewsbury, Massachusetts

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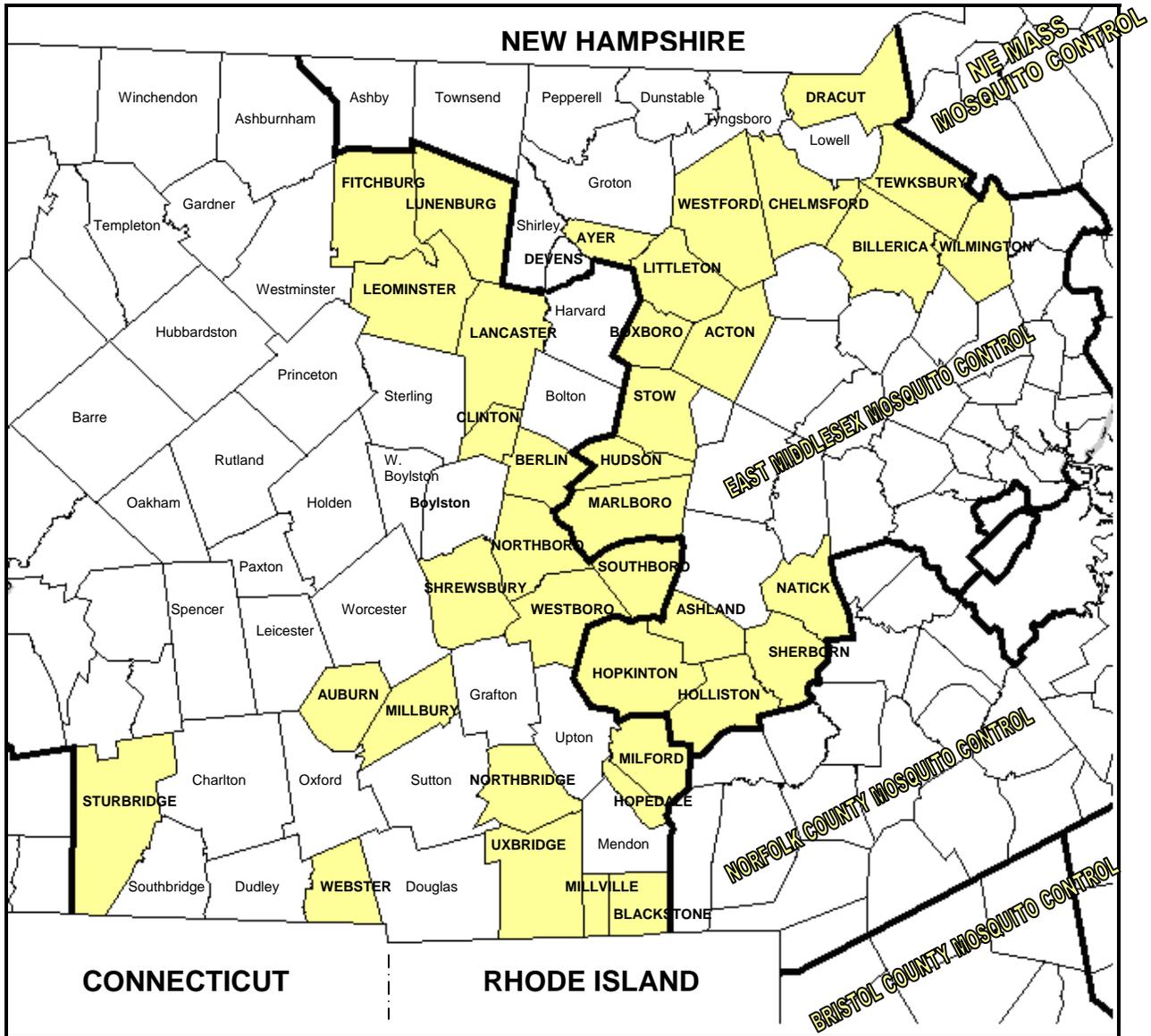
**Office Manager**

Ms. Karen Millet  
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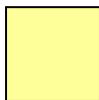
LIST OF MEMBER COMMUNITIES - 2011

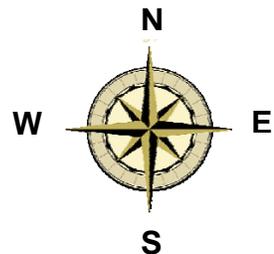
<u>TOWN</u>	<u>SQUARE MILES</u>
<b>DISTRICT ONE</b>	
BILLERICA	25.96
CHELMSFORD	22.70
DRACUT	20.90
LITTLETON	16.60
TEWKSBURY	20.70
WESTFORD	30.60
WILMINGTON	17.12
<b>DISTRICT TWO</b>	
ACTON	20.00
AYER	9.00
BOXBOROUGH	10.40
DEVENS	5.28
FITCHBURG	27.80
LANCASTER	27.70
LEOMINSTER	28.90
LUNENBURG	26.40
STOW	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
UXBRIDGE	29.50
WEBSTER	12.50
Total Square Miles	704.85

# CMMCP SERVICE AREA



~ 2011 ~

 = 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" or "ditch maintenance". 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. "Source reduction" is a program to eliminate mosquito larval habitat such as abandoned tires. All of the above mentioned methods serve to accomplish the same goal - they permit water to flow freely, and/or 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 March to September or October as conditions warrant. 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.

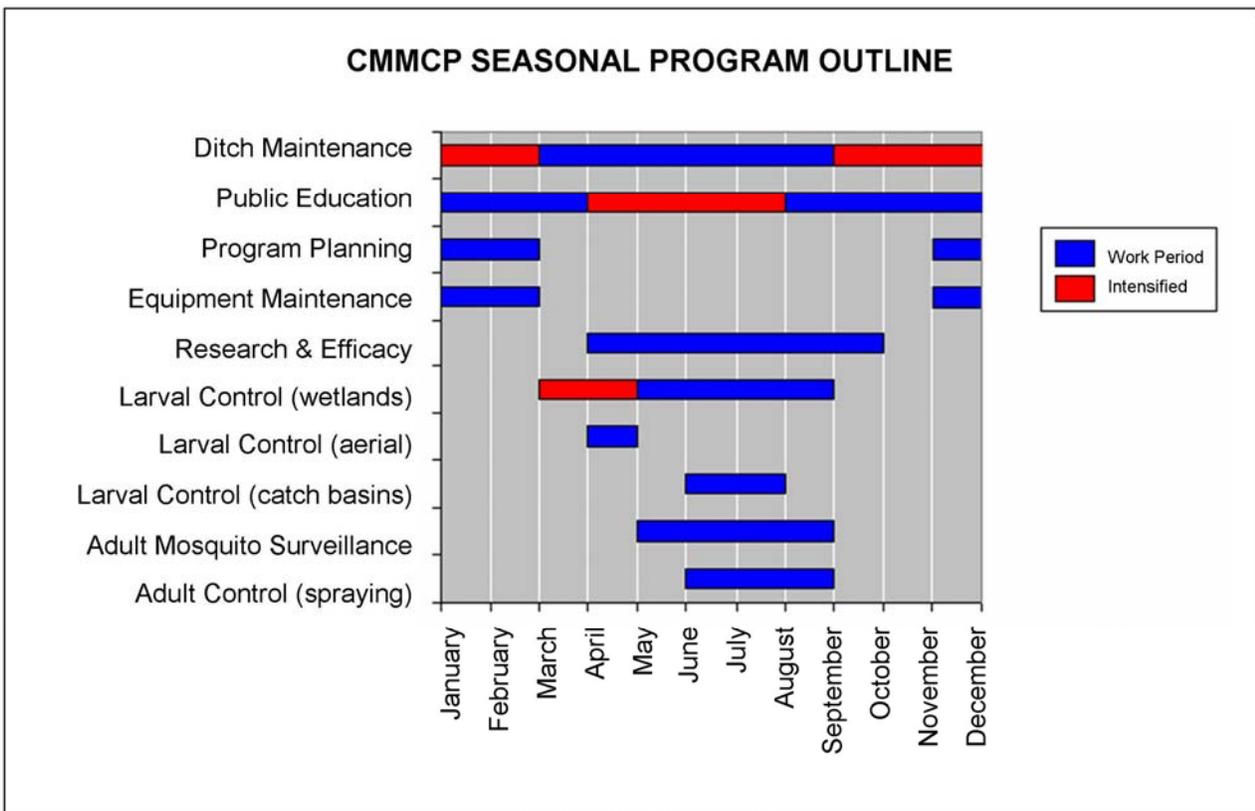
### PROGRAM EVALUATION

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. Wetlands Restoration/Ditch maintenance - throughout the year, intensified September through February
2. Public Education - throughout the year, intensified April through August
3. Program Preparation - December through March
4. Equipment Maintenance - December through February
5. Research & Efficacy - April through October
5. Larval Control (wetlands) - March through September (aerial work is only done in 3 towns at this time and by supplemental funding)
6. Larval Control (catch basins) - June through September
7. Adult mosquito Surveillance - May through September/October
8. Adulticiding - June through September/October

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:

1. **LARVAL CONTROL:** Wetlands and suspected mosquito breeding sites are monitored from March through September to determine the need for applications of environmentally sensitive products (typically Bti) to control and/or eliminate the larval mosquito. By controlling mosquitoes in their larval stage the need for adult mosquito spraying is reduced.
2. **SOURCE REDUCTION:** Reducing or removing larval habitat by recycling, waste disposal or other means is a permanent solution. Mosquito larvae are opportunistic and will create habitat in any container that holds water for more than a week. Empty and clean birdbaths and kiddie pools each week, cover or store inside anything that may capture and hold water, and dispose of or recycle any containers that are no longer needed. CMMCP now has a tire recycling program to allow residents a means to dispose of these important larval habitats.
3. **WETLAND RESTORATION/DITCH MAINTENANCE:** Mosquitoes need still, stagnant water to complete their metamorphosis from egg to adult. CMMCP conducts maintenance on ditches, culverts and man-made ponds to improve water quality and increase water flow, reducing the potential for mosquito breeding.
4. **SURVEILLANCE:** Mosquito populations are monitored in both the larval and adult stages to determine the appropriate control methods to be employed, prevalent mosquito species, and disease transmission potential. CMMCP has instituted a program to supplement the Dept. of Public Health's arbovirus surveillance program for monitoring West Nile Virus in Massachusetts, using mosquito gravid traps. These traps will be placed throughout out service area and can be quickly broken down and moved to respond to the immediate needs of monitoring for this and other mosquito-borne diseases. When WNV or EEE is confirmed in a member city or town, these traps are placed in areas that have been determined to harbor this virus. Additional types of traps able to sample mammal-biting mosquitoes will also be placed to determine WNV levels and risk to the local populace.
5. **PUBLIC EDUCATION:** Educating the public about mosquitoes and their biology is an important aspect of OUR program. We offer a comprehensive program geared towards school-aged children from Kindergarten to High School in member communities. This program is tailored to meet the needs of intended audience. The Project produces public relations handouts, and all member Town Halls are stocked with information on CMMCP, our programs, and how the homeowner can reduce mosquito populations in their own area. Project staff is available to meet with civic organizations, town/city boards, and to participate in Health Fairs. Tours of the Project's headquarters can be arranged by calling our office.
6. **ADULT MOSQUITO CONTROL:** When adult mosquito populations reach intolerable levels, hand-held or truck mounted sprayers are used to reduce the adult mosquito levels in residential areas. CMMCP has worked diligently over the past 20 years to achieve the goal of reducing the dependency on adulticiding by increasing the emphasis on larviciding, public education and water management.
7. **RESEARCH AND EFFICACY:** While CMMCP is an agency charged with the control of mosquitoes, we strive to check for efficacy of our products and techniques, and whenever possible perform research in new or different areas of mosquito control.

## MEDICAL ENTOMOLOGY LABORATORY REPORT, 2011

The mission of the Medical Entomology Laboratory is to refine and maximize the CMMCP's ongoing effort to control mosquitoes. During 2011 Medical Entomology Laboratory personnel carried this mission forward in the following ways.

Medical Entomology Laboratory personnel made 34 educational presentations before 1,472 elementary school students in 12 Elementary schools and one youth group. The students learned about the life cycle and biology of mosquitoes. They also learned what they could do to control the mosquito population around their own home and how to protect themselves from nuisance mosquitoes.

During 2011, three interns were employed for the season to operate the mosquito surveillance traps and assist in the identification of mosquitoes. 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.

Collections of mosquitoes were made using Modified Reiter Gravid Traps, Resting boxes and CDC miniature light traps. 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. Resting boxes are attractive to *Culiseta melanura*, the mosquito species known to play a part in the transmission cycle of Eastern Equine encephalitis. CDC miniature light traps use light and/or carbon dioxide gas to attract the vectors of both West Nile and Eastern Equine Encephalitis. The addition of carbon dioxide gas results in larger collections.

The very wet weather conditions experienced during the spring and summer of 2011 favored the growth of the mosquito population therefore trap collections were relatively high. A total of 40,745 female mosquitoes representing twenty-five species were taken in the 2011 collections. In contrast 27,123 female mosquitoes were collected during the 2010 season which was on average very dry. The mosquitoes were identified to species. Members of species known to play a role in the transmission of disease were set aside for further processing. These mosquitoes were 20,672 in number. For efficiency they were divided into 924 groups or pools. These pools of mosquitoes were tested for West Nile virus and Eastern Equine virus infection. The findings are listed below.

In response to the positive test results the CMMCP increased surveillance of mosquitoes in these areas. Mosquito control measures were augmented as well. The data from these collections was shared with the Massachusetts Department of Public Health.

Modern, scientifically based mosquito control has many facets. These include public education, surveillance, water management and control of immature and adult mosquitoes. Medical Entomology Laboratory personnel are committed to advancing all facets of mosquito control. Such a commitment will further enable the Central Massachusetts Mosquito Control Project to provide its member communities with quality mosquito control.

Respectfully submitted,

Curtis R. Best, Staff Entomologist  
Juliana Miller, Entomologist

Collection Date	Species	Town	Test Type	Result
7/22/2011	<i>Culex species</i>	Sturbridge	WNV	Positive
7/28/2011	<i>Culex species</i>	Acton	WNV	Positive
8/9/2011	<i>Culex species</i>	Dracut	WNV	Positive
8/10/2011	<i>Culex species</i>	Westford	WNV	Positive
8/11/2011	<i>Culex species</i>	Auburn	WNV	Positive
8/11/2011	<i>Culex species</i>	Shrewsbury	WNV	Positive
8/12/2011	<i>Culex species</i>	Natick	WNV	Positive
8/17/2011	<i>Culex species</i>	Auburn	WNV	Positive
8/19/2011	<i>Culex species</i>	Sturbridge	WNV	Positive
8/19/2011	<i>Culex species</i>	Dracut	WNV	Positive
8/18/2011	<i>Culex species</i>	Auburn	WNV	Positive
8/18/2011	<i>Culex species</i>	Shrewsbury	WNV	Positive
8/23/2011	<i>Culex species</i>	Tewksbury	WNV	Positive
8/25/2011	<i>Culex species</i>	Auburn	WNV	Positive
8/25/2011	<i>Culex species</i>	Acton	WNV	Positive
8/31/2011	<i>Culex species</i>	Auburn	WNV	Positive
8/31/2011	<i>Culex species</i>	Shrewsbury	WNV	Positive
9/7/2011	<i>Culex species</i>	Chelmsford	WNV	Positive
9/7/2011	<i>Coquillettidia perturbans</i>	Chelmsford	WNV	Positive
9/7/2011	<i>Culex species</i>	Billerica	WNV	Positive
9/13/2011	<i>Culiseta melanura</i>	Westborough	EEE	Positive
9/15/2011	<i>Culiseta melanura</i>	Shrewsbury	EEE	Positive
9/15/2011	<i>Aedes vexans</i>	Shrewsbury	EEE	Positive
9/15/2011	<i>Culiseta melanura</i>	Sherborn	EEE	Positive
9/23/2011	<i>Culex species</i>	Hudson	WNV	Positive
10/4/2011	<i>Culiseta melanura</i>	Hopkinton	EEE	Positive

<b>WNV Surveillance Summary - Statewide</b>	<b>2011</b>
Mosquito Pools Positive	275
Animals Positive	1
Humans Positive	5
<b>EEE Surveillance Summary - Statewide</b>	<b>2011</b>
Mosquito Pools Positive	80
Animals Positive	1
Humans Positive	1
<b>CMMCP Surveillance Summary</b>	<b>2011</b>
Mosquitoes Collected and Identified	40,745
Mosquito Pools Submitted for testing	924
Mosquito Pools Positive WNV	21
Animals Positive WNV	0
Humans Positive WNV	1
Mosquito Pools Positive EEE	5
Animals Positive EEE	1
Humans Positive EEE	0

**Central Mass. Mosquito Control Project  
2011 SEASON SUMMARY**

Cumulative Surveillance Summary

Target Species	Ae. vex	Cq. per	Cs. mel	Oc. can	Culex	All Species
No. Pools	110	243	226	111	1043	2969
Total Specimens	1339	6655	1626	613	25106	40735
No. Pools WNV +	0	1†	0	0	20†	21†
No. Pools EEE +	1†	0	3†	0	0	4†

- †Pool of WNV+ *Culex* Species collected in Sturbridge on 7/22/11
- †Pool of WNV+ *Culex* Species collected in Acton on 7/28/11
- Pool of WNV+ *Culex* Species collected in Worcester on 8/12/10 (DPH collection)
- Pool of WNV+ *Culex* Species collected in Worcester on 8/12/10 (DPH collection)
- †Pool of WNV+ *Culex* Species collected in Dracut on 8/9/11
- †Pool of WNV+ *Culex* Species collected in Westford on 8/10/11
- †Pool of WNV+ *Culex* Species collected in Auburn on 8/11/11
- †Pool of WNV+ *Culex* Species collected in Shrewsbury on 8/11/11
- †Pool of WNV+ *Culex* Species collected in Natick on 8/12/11
- †Pool of WNV+ *Culex* Species collected in Auburn on 8/17/11
- †Pool of WNV+ *Culex* Species collected in Auburn on 8/18/11
- †Pool of WNV+ *Culex* Species collected in Shrewsbury on 8/18/11
- †Pool of WNV+ *Culex* Species collected in Dracut on 8/19/11
- †Pool of WNV+ *Culex* Species collected in Sturbridge on 8/19/11
- †Pool of WNV+ *Culex* Species collected in Tewksbury on 8/23/11
- †Pool of WNV+ *Culex* Species collected in Acton on 8/25/11
- †Pool of WNV+ *Culex* Species collected in Auburn on 8/25/11
- †Pool of WNV+ *Culex* Species collected in Auburn on 8/31/11
- †Pool of WNV+ *Culex* Species collected in Shrewsbury on 8/31/11
- †Pool of WNV+ *Culex* Species collected in Chelmsford on 9/7/11
- †Pool of WNV+ *Coquillettidia perturbans* collected in Chelmsford on 9/7/11
- †Pool of WNV+ *Culex* Species collected in Billerica on 9/7/11
- †Pool of EEE+ *Culiseta melanura* collected in Westborough on 9/13/11
- †Pool of EEE+ *Culiseta melanura* collected in Shrewsbury on 9/15/11
- †Pool of EEE+ *Aedes vexans* collected in Shrewsbury on 9/15/11
- †Pool of EEE+ *Culiseta melanura* collected in Sherborn on 9/15/11
- †Pool of WNV+ *Culex* Species collected in Hudson on 9/23/11
- WNV+ human (>64, female) from Fitchburg, onset 9/3/11

Weather Summary (Northborough, MA): Heavy rains dominated this season, and were reflected in the mosquito population numbers. Statewide monthly rainfall averages were as follows: May-3.70" (CMMCP/Northborough 3.06"); June-5.30" (CMMCP/Northborough 5.26"); July-2.71" (CMMCP/Northborough 1.73"); August-9.35" (CMMCP/Northborough 11.44"); September-6.65" (CMMCP/Northborough 6.79").

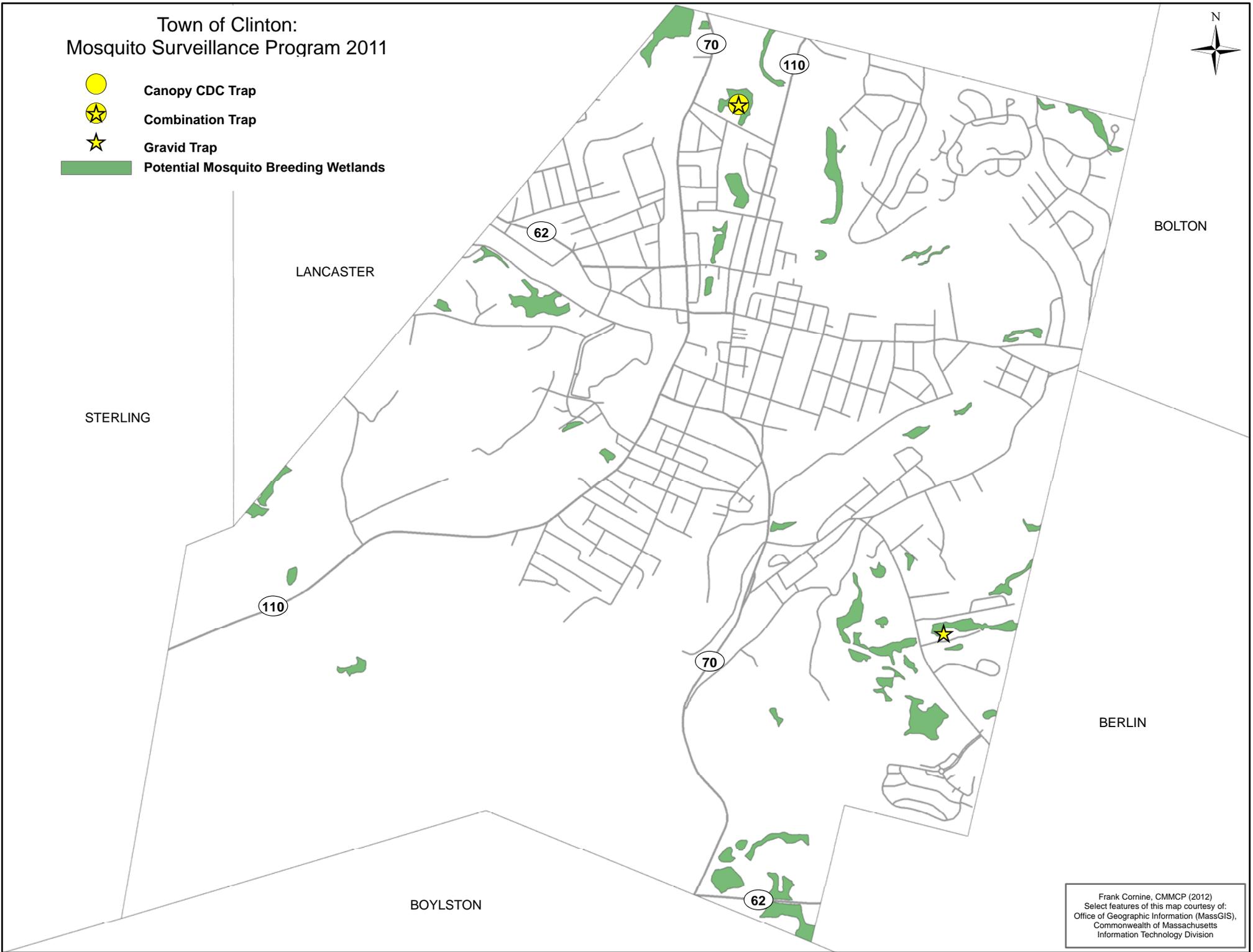
**CMMCP 2011 Mosquito Summary-**

Target Species	Δ From Last Year's Final Totals	Predominant Trap Sites
<i>Aedes vexans</i>	-53.70%	Uxbridge, Northbridge
<i>Coquillettidia perturbans</i>	-26.33%	Sturbridge, Leominster
<i>Culiseta melanura</i>	+117.1%	Millbury, Westborough
<i>Ochlerotatus canadensis</i>	+43.73%	Hopedale, Uxbridge
<i>Culex</i> Species	+180.2%	Auburn, Westford
All Species	+58.53%	Auburn, Westford

The predominant mosquito species for the 2011 surveillance season was *Culex* Species (~61.63% of total specimens collected) followed by *Coquillettidia perturbans* (~16.34% of total specimens collected).

# Town of Clinton: Mosquito Surveillance Program 2011

- Canopy CDC Trap
- ★ Combination Trap
- ★ Gravid Trap
- Potential Mosquito Breeding Wetlands



Frank Cornine, CMMCP (2012)  
Select features of this map courtesy of:  
Office of Geographic Information (MassGIS),  
Commonwealth of Massachusetts  
Information Technology Division

Clinton Surveillance Data  
2011

Town	Pool ID	Collection Date	Trap Site	Pool Size	Species	Result
Clinton	CM11NS-0003	6/1/2011	Allen Street	1	<i>Culex spp.</i>	not submitted
Clinton	CM11NS-0004	6/1/2011	Allen Street	28	<i>Culex spp.</i>	not submitted
Clinton	CM11NS-0005	6/1/2011	Allen Street	4	<i>Oc. japonicus</i>	not submitted
Clinton	CM11NS-0179	6/9/2011	Berlin Street	82	<i>Culex spp.</i>	not submitted
Clinton	CM11NS-0180	6/9/2011	Berlin Street	4	<i>Oc. japonicus</i>	not submitted
Clinton	CM11NS-0245	6/15/2011	Allen Street	0	No Collections Recorded	not submitted
Clinton	CM11NS-0271	6/15/2011	Allen Street	0	No Collections Recorded	not submitted
Clinton	CM11NS-0365	6/23/2011	Berlin Street	2	<i>Oc. japonicus</i>	not submitted
Clinton	CM11-0143	6/29/2011	Allen Street	41	<i>Culex spp.</i>	Negative
Clinton	CM11-0152	6/29/2011	Allen Street	5	<i>Culex spp.</i>	Negative
Clinton	CM11-0153	6/29/2011	Allen Street	50	<i>Cq. perturbans</i>	Negative
Clinton	CM11NS-0433	6/29/2011	Allen Street	2	<i>Oc. triseriatus</i>	not submitted
Clinton	CM11NS-0456	6/29/2011	Allen Street	74	<i>Cq. perturbans</i>	not submitted
Clinton	CM11-0184	7/7/2011	Berlin Street	48	<i>Culex spp.</i>	Negative
Clinton	CM11NS-0510	7/7/2011	Berlin Street	4	<i>Oc. triseriatus</i>	not submitted
Clinton	CM11NS-0511	7/7/2011	Berlin Street	2	<i>Oc. japonicus</i>	not submitted
Clinton	CM11-0269	7/13/2011	Allen Street	50	<i>Culex spp.</i>	Negative
Clinton	CM11NS-0607	7/13/2011	Allen Street	2	<i>Culex spp.</i>	not submitted
Clinton	CM11NS-0608	7/13/2011	Allen Street	23	<i>Cq. perturbans</i>	not submitted
Clinton	CM11NS-0609	7/13/2011	Allen Street	1	<i>Ae. cinereus</i>	not submitted
Clinton	CM11NS-0610	7/13/2011	Allen Street	1	<i>Ae. vexans</i>	not submitted
Clinton	CM11NS-0611	7/13/2011	Allen Street	3	<i>Oc. trivittatus</i>	not submitted
Clinton	CM11NS-0636	7/13/2011	Allen Street	164	<i>Culex spp.</i>	not submitted
Clinton	CM11NS-0637	7/13/2011	Allen Street	5	<i>Oc. japonicus</i>	not submitted
Clinton	CM11-0308	7/21/2011	Berlin Street	50	<i>Culex spp.</i>	Negative
Clinton	CM11NS-0718	7/21/2011	Berlin Street	38	<i>Culex spp.</i>	not submitted
Clinton	CM11NS-0719	7/21/2011	Berlin Street	1	<i>Oc. japonicus</i>	not submitted
Clinton	CM11NS-0720	7/21/2011	Berlin Street	3	<i>Oc. triseriatus</i>	not submitted
Clinton	CM11NS-0721	7/21/2011	Berlin Street	2	<i>An. punctipennis</i>	not submitted
Clinton	CM11-0346	7/27/2011	Allen Street	50	<i>Culex spp.</i>	Negative
Clinton	CM11-0347	7/27/2011	Allen Street	27	<i>Culex spp.</i>	Negative
Clinton	CM11NS-0773	7/27/2011	Allen Street	6	<i>Oc. japonicus</i>	not submitted
Clinton	CM11NS-0862	7/27/2011	Allen Street	5	<i>Culex spp.</i>	not submitted
Clinton	CM11NS-0863	7/27/2011	Allen Street	9	<i>Cq. perturbans</i>	not submitted
Clinton	CM11NS-0864	7/27/2011	Allen Street	2	<i>Oc. trivittatus</i>	not submitted
Clinton	CM11-0429	8/4/2011	Berlin Street	5	<i>Culex spp.</i>	Negative
Clinton	CM11NS-1024	8/4/2011	Berlin Street	11	<i>Oc. japonicus</i>	not submitted

Clinton Surveillance Data  
2011

Town	Pool ID	Collection Date	Trap Site	Pool Size	Species	Result
Clinton	CM11NS-1025	8/4/2011	Berlin Street	2	<i>Oc. triseriatus</i>	not submitted
Clinton	CM11-0479	8/10/2011	Allen Street	38	<i>Culex spp.</i>	Negative
Clinton	CM11-0484	8/10/2011	Allen Street	21	<i>Culex spp.</i>	Negative
Clinton	CM11NS-1089	8/10/2011	Allen Street	3	<i>Oc. japonicus</i>	not submitted
Clinton	CM11NS-1108	8/10/2011	Allen Street	21	<i>Cq. perturbans</i>	not submitted
Clinton	CM11NS-1109	8/10/2011	Allen Street	1	<i>Cs. melanura</i>	not submitted
Clinton	CM11-0535	8/18/2011	Berlin Street	50	<i>Culex spp.</i>	Negative
Clinton	CM11NS-1230	8/18/2011	Berlin Street	82	<i>Culex spp.</i>	not submitted
Clinton	CM11NS-1231	8/18/2011	Berlin Street	2	<i>Oc. japonicus</i>	not submitted
Clinton	CM11-0581	8/24/2011	Allen Street	50	<i>Culex spp.</i>	Negative
Clinton	CM11-0610	8/24/2011	Allen Street	6	<i>Culex spp.</i>	Negative
Clinton	CM11NS-1297	8/24/2011	Allen Street	17	<i>Culex spp.</i>	not submitted
Clinton	CM11NS-1368	8/24/2011	Allen Street	2	<i>Ae. vexans</i>	not submitted
Clinton	CM11-0655	9/1/2011	Berlin Street	26	<i>Culex spp.</i>	Negative
Clinton	CM11NS-1465	9/1/2011	Berlin Street	5	<i>Oc. triseriatus</i>	not submitted
Clinton	CM11NS-1466	9/1/2011	Berlin Street	1	<i>An. punctipennis</i>	not submitted
Clinton	CM11NS-1467	9/1/2011	Berlin Street	1	<i>An. barberi</i>	not submitted
Clinton	CM11-0691	9/7/2011	Allen Street	6	<i>Oc. japonicus</i>	Negative
Clinton	CM11-0721	9/7/2011	Allen Street	50	<i>Culex spp.</i>	Negative
Clinton	CM11-0722	9/7/2011	Allen Street	50	<i>Culex spp.</i>	Negative
Clinton	CM11-0723	9/7/2011	Allen Street	13	<i>Cs. melanura</i>	Negative
Clinton	CM11-0724	9/7/2011	Allen Street	23	<i>Ae. vexans</i>	Negative
Clinton	CM11NS-1516	9/7/2011	Allen Street	2	<i>Culex spp.</i>	not submitted
Clinton	CM11-0774	9/15/2011	Berlin Street	11	<i>Culex spp.</i>	Negative
Clinton	CM11NS-1653	9/15/2011	Berlin Street	2	<i>Oc. japonicus</i>	not submitted
Clinton	CM11NS-1654	9/15/2011	Berlin Street	2	<i>Oc. triseriatus</i>	not submitted
Clinton	CM11-0813	9/21/2011	Allen Street	5	<i>Oc. japonicus</i>	Negative
Clinton	CM11-0845	9/21/2011	Allen Street	8	<i>Cs. melanura</i>	Negative
Clinton	CM11NS-1763	9/21/2011	Allen Street	4	<i>Oc. triseriatus</i>	not submitted
Clinton	CM11NS-1764	9/21/2011	Allen Street	1	<i>Culex spp.</i>	not submitted
Clinton	CM11NS-1765	9/21/2011	Allen Street	1	<i>Ae. cinereus</i>	not submitted
Clinton	CM11NS-1766	9/21/2011	Allen Street	1	<i>Oc. trivittatus</i>	not submitted
Clinton	CM11NS-1767	9/21/2011	Allen Street	1	<i>Cs. morsitans</i>	not submitted
Clinton	CM11NS-1848	9/21/2011	Allen Street	3	<i>Culex spp.</i>	not submitted
Clinton	CM11NS-1849	9/21/2011	Allen Street	12	<i>Ae. vexans</i>	not submitted
Clinton	CM11NS-1850	9/21/2011	Allen Street	1	<i>Ps. ferox</i>	not submitted
Clinton	CM11NS-1851	9/21/2011	Allen Street	1	<i>Oc. triseriatus</i>	not submitted

Clinton Surveillance Data  
2011

Town	Pool ID	Collection Date	Trap Site	Pool Size	Species	Result
Clinton	CM11NS-1852	9/21/2011	Allen Street	1	<i>Ae. cinereus</i>	not submitted
Clinton	CM11NS-1853	9/21/2011	Allen Street	3	<i>Oc. trivittatus</i>	not submitted
Clinton	CM11-0890	9/29/2011	Berlin Street	9	<i>Oc. japonicus</i>	Negative
Clinton	CM11NS-1975	9/29/2011	Berlin Street	2	<i>Oc. triseriatus</i>	not submitted
Clinton	CM11NS-1976	9/29/2011	Berlin Street	3	<i>Culex spp.</i>	not submitted
Clinton	CM11NS-2047	10/5/2011	Allen Street	3	<i>Oc. japonicus</i>	not submitted
Clinton	CM11NS-2082	10/5/2011	Allen Street	2	<i>Ae. vexans</i>	not submitted
	<b>81 collections</b>			<b>1,353</b>	<b>mosquitoes collected</b>	
	<b>24 collections submitted for testing</b>			<b>692</b>	<b>submitted for testing</b>	
	<b>NO VIRUS IDENTIFIED IN 2011</b>					

## SOURCE REDUCTION/TIRE RECYCLING

For Earth Day 2010, CMMCP officially announced a tire recycling program added as a value added service to our member cities and towns. This program operates under grant monies received and the CMMCP operating budget. Tire piles provide suitable areas for larval mosquito development, including those species known to carry West Nile virus. During the course of one season, the potential exists for hundreds or even thousands of mosquitoes to emerge from just one tire. If tires infested with mosquito eggs, larvae or pupae are transported, the potential to introduce mosquito species into new areas and/or the potential for the spread of arboviruses and their transmission may increase significantly.

For these reasons and as a value added service to our member cities and towns, CMMCP has developed a used tire program, consisting of the following guidelines:

- We accept passenger and light truck tires only
- The maximum number tires from one property will be 10 at one time, subject to change without notice
- Requests for tire removal shall be done according to established procedures
- We reserve the right to refuse anything determined to be unsuitable for this program

Tires accepted as part of this program will be sent to an approved facility for recycling or disposal. This program is subject to end without notice.

We have been removing tire piles in member cities and towns on an intermittent basis. If you know of a tire pile in your area, or would like to participate in a curbside pickup in the future, please send the following information to [used\\_tires@cmmcp.org](mailto:used_tires@cmmcp.org); NAME, ADDRESS, TOWN, PHONE, E-MAIL, # of TIRES (off the rim), LOCATION OF TIRES, ANY COMMENTS. When we schedule a curbside pickup event in your area you will be notified in advance.

**ELIGIBILITY:** to qualify for this program you must be a resident or municipal official in a CMMCP member city or town and the tires must be in or from that locality. Businesses are not eligible at this time.

**COST:** there is no additional cost to residents or municipalities; this program is part of the full suite of mosquito control services offered.

### 2011 TIRE COLLECTION DATA

TOWN	# TIRES	# COLLECTION DATES
Ashland	1	1
Auburn	426	3
Ayer	61	1
Billerica	308	2
Boxborough	54	2
Fitchburg	421	7
Holliston	403	3
Hudson	17	1
Leominster	81	3
Lunenburg	7	2
Millbury	77	3
Northboro	55	4
Shrewsbury	92	9
Southboro	6	2
Stow	87	2
Sturbridge	27	1
Tewksbury	157	3
Westboro	15	1
Westford	42	2
<b>TOTALS</b>	<b>2,337</b>	<b>52</b>

Since the inception of this program we have recycled over 5,337 tires (53.37 tons).

## FIELD BIOLOGIST REPORT 2011

The Research and Efficacy Department of the Central Massachusetts Mosquito Control Project undertook several projects during the 2011 season. These projects included efficacy trials conducted to observe the level of control achieved during adulticide applications. The Department also continued testing the mosquito attractiveness of a chemically generating CO<sub>2</sub> device developed by Blackstone Photonics, Inc. This device was tested in comparison with the standard compressed CO<sub>2</sub> tank system that CMMCP currently uses. Continued surveillance for pesticide resistance in the local mosquito populations was also performed by the Department through the use of bottle assays. Finally, select local retention ponds were monitored to assess their potential to produce select target mosquito species. Much of this research has been already been presented or published through various avenues.

The efficacy trials that were conducted this past season were similar in concept to those from the 2007 season. Surveillance traps were placed in areas that receive numerous service requests, while others were set in locations that are not typically treated. Mosquito collections were made at both the test and control sites throughout the season enabling us to observe the efficacy of the current adulticide protocol. Results from the trials indicate that proper control is achieved, although re-infestation may occur from surrounding areas that were not included in the treatment. Original applications can lose effectiveness from various impediments including dense foliage, suboptimal weather conditions, and neighborhood design. These trials will be conducted in the future to ensure the continued efficacy of CMMCP practices.

Prior to last season, John Prohaska of Blackstone Photonics, Inc. requested help investigating the ability of a CO<sub>2</sub> chemical formulation device in attracting mosquitoes compared to the standard compressed CO<sub>2</sub> tank systems currently used. If comparable in effectiveness, the new system generally exhibits lower operating costs, lighter weight, improved safety and storability. Following initial observations during the 2010 season that showed the systems were comparable, it was decided to continue this project for further examination. The additional results and device modifications were presented at the 57<sup>th</sup> Annual Meeting of the Northeastern Mosquito Control Association.

Resistance surveillance was continued by The Department to determine if any degree of resistance has been developing in local mosquitoes. Bottle assays were conducted with mosquito populations that have been included in the CMMCP adulticide program by exposing them to a diluted solution of product. Observations from these bottle assay trials are then compared to those using mosquitoes from areas that have not been involved in the adulticide program. The results this year were consistent with past seasons and no change in protocol or product is recommended at this time. The Department will continue to monitor the resistance levels in upcoming seasons to ensure that proper control is achieved. A poster on the CMMCP resistance surveillance program was presented at the 57<sup>th</sup> Annual Meeting of the Northeastern Mosquito Control Association.

Data collection began on a new project this year, one which monitors local retention ponds to determine their potential to produce target mosquito species. These habitats may produce large populations of *Coquillettidia perturbans*, a potential vector of West Nile virus and Eastern Equine Encephalitis, which readily feeds on mammals. Once baseline data has been collected, CMMCP would be able to implement and observe various control strategies in reducing *Cq. perturbans* and other mosquito species associated with these ponds. Several retention ponds of different size and settings were selected for this ongoing study.

The weekly surveillance reports were continued this year, which included an ongoing record of virus isolations, mosquito population numbers and corresponding weather events. Once completed, these weekly reports are posted for various groups including the Mass. Department of Public Health, the State Reclamation Board, and the CMMCP Commission. Additionally, these reports were placed on the CMMCP website for easy viewing by local residents. In response to the findings of infected mosquitoes, the Department assisted in making supplemental mosquito collections for the Surveillance Program in affected areas.

This past spring marked the start of the "CMMCP Mosquito Education Program for Seniors," in which presentations are conducted at local senior centers to increase mosquito-borne disease awareness. These educational opportunities were well received. One of these presentations was recorded and posted on the CMMCP YouTube page as well. The development and first impressions of this program were presented at the 57<sup>th</sup> Annual Meeting of the Northeastern Mosquito Control Association. The Research and Efficacy Department also continued to assist with presentations to local elementary school students on mosquito biology, control methods, and personal protection measures. Students were attentive, enthusiastic and their interest was apparent through their thoughtful questions at the conclusion of the presentations.

The CMMCP Geographic Information System (GIS) has several components that were created or updated this past year, including catch basin treatment data, aerial larvicide locations, mosquito surveillance data and virus isolation locations. The updates of the NHESP Memorandum were also integrated. Maps were created for numerous field technicians and included the catch basin larvicide program maps and water management maps. The maps of historical water management jobs continue to be integrated into the GIS as maintenance is performed. Finally, the Sentinel GIS system has been going through preliminary simulations as CMMCP begins to integrate it for limited trials during the 2012 larvicide and adulticide programs.

Looking ahead, the Research and Efficacy Department is anticipating several projects for the 2012 season including additional efficacy trials of the CMMCP adulticide program. Another season of investigation with Blackstone Photonics, Inc. into the comparison of CO2 delivery systems should provide definitive information on its viability for mosquito surveillance. Resistance surveillance for ANVIL 10+10® will also be continued for local mosquito populations. The Sentinel GIS system is to be implemented on a limited basis this year as well. Educational opportunities that may improve Department abilities will be pursued in 2012 and as always, the Research and Efficacy Department will continue supporting other departments at CMMCP.

Respectfully submitted,

Frank H. Cornine III, Field Biologist

## 2011 SUMMARY

The Central Massachusetts Mosquito Control Project (the Project) currently provides its services to 39 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 Pest Management (IPM), 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 2011 the Project received fourteen thousand, seven hundred and thirty (14,730) requests for service from town residents and officials. Ten thousand, six hundred and seventy (10,670) pounds of Bti (*Bacillus thuringiensis israelensis*) was applied by helicopter over two thousand, one hundred and thirty-four (2,134) acres in 3 towns, Chelmsford, Billerica & Boxborough, and four thousand, four hundred and thirty-five (4,435) pounds by hand over eight hundred and eighty-seven (887) acres throughout our service area were applied to area wetlands to reduce the emergence of adult mosquitoes. This represents over three thousand and twenty-one (3,021) acres of wetland that was treated with this mosquito-specific bacterium, significantly reducing adult mosquito populations in these areas. Forty two thousand, eight hundred and twenty-three (42,823) 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. Two thousand, one hundred and fifty-five (2,155) 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 fifty-one thousand, six hundred and forty-one (151,641) feet of streams, brooks and ditches. This represents over twenty-eight (28) miles of waterways which were cleaned and improved by Project personnel in 2011.

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. In 2011, CMMCP laboratory personnel and other administrative staff made thirty-four (34) educational presentations before one thousand, four hundred and seventy-two (1,472) students in twelve (12) Elementary schools. CMMCP gave a presentation on our program to 12 Clarke University students in the Clarke Vector Ecology program and exhibited at four (4) health fairs. 2011 marked the start of the "CMMCP Mosquito Education Program for Seniors," in which presentations are conducted at local senior centers to increase mosquito-borne disease awareness. Three (3) presentations to ~35 senior citizens were conducted in 2011.

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. Nine hundred and twenty-four (924) pools (collections) of mosquitoes totaling twenty thousand, six hundred and seventy-two (20,672) specimens were tested for mosquito-borne viruses this year. Twenty-

five (25) collections were identified positive with mosquito-borne viruses, twenty-one (21) with West Nile Virus (WNV) and four (4) with Eastern Equine Encephalitis - details are available in the Medical Entomology report in this document. One (1) human case of WNV was identified in our service area in the city of Fitchburg. CMMCP lab personnel processed over two thousand collections of mosquitoes containing forty thousand, seven hundred and forty-five (40,745) individual specimens, representing twenty-five (25) mosquito species.

Some additional highlights from 2011:

- Resistance management study; no significant resistance to pyrethroids noted, no change recommended in adulticide material choice (see full report).
- Resident satisfaction survey: conclusion; overall satisfaction with the adulticide program was 90.16%, 98.8% plan to use our services again (see full report).
- We have been awarded PESP status by the US EPA again this year. The Pesticide Environmental Stewardship Program (PESP) is a voluntary program that forms partnerships between the EPA and pesticide users to reduce the potential health and environmental risks that may be associated with pesticide use.
- CMMCP now participates in the EPA's WasteWise program, tracking our source reduction (tire recycling) efforts.
- CMMCP was awarded the BRONZE award in the non-profit category from MassRecycle for our tire recycling program.

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.

For Earth Day 2010, CMMCP officially announced a tire recycling program added as a value added service to our member cities and towns. This program operates under grant monies received and the CMMCP operating budget. Tire piles provide suitable areas for larval mosquito development, including those species known to carry West Nile virus. During the course of one season, the potential exists for hundreds or even thousands of mosquitoes to emerge from just one tire. We collected a total of two thousand, three hundred and thirty-seven (2,337) tires over fifty-two (42) collection dates in nineteen (19) member cities and towns. Collections will continue as time and resources allow.

We would like to thank you for your support during 2011 and we look forward to helping you and your community with its mosquito problems in 2012 and beyond.

Respectfully submitted,

Timothy D. Deschamps, Executive Director

# CMMCP AERIAL MOSQUITO LARVAL CONTROL PROGRAM



**SPRING 2011**

**FRANK H. CORNINE III & TIMOTHY D. DESCHAMPS**

Central Mass. Mosquito Control Project  
111 Otis Street Northborough, MA 01532  
(508) 393-3055 • [www.cmmcp.org](http://www.cmmcp.org)



## AERIAL MOSQUITO LARVAL CONTROL PROGRAM – SPRING 2011

**FRANK H. CORNINE III & TIMOTHY D. DESCHAMPS**

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### ABSTRACT

In April 2011, the Central Mass. Mosquito Control Project conducted a spring aerial application of *Bacillus thuringiensis israelensis* in the towns of Billerica, Boxborough, and Chelmsford for selected wetlands which cannot be treated through standard ground larviciding. In conducting pre- and post application larval monitoring, it was found that there was a 90.14% overall reduction in the emergence of spring mosquito species at treated sites. Control sites where no Bti was applied showed an average 48.52% increase in larvae.

### OBJECTIVE

As snow melts and the spring rains commence, the dormant eggs of several mosquito species hatch into larvae and develop in the pools created by this localized flooding. Two of these species, *Ochlerotatus abserratus* and *Ochlerotatus excrucians*, are univoltine, meaning they only have one population emergence a year. Their eggs need to go through a freeze-thaw cycle (called cold-conditioning) before they will hatch. Another species that potentially could be found in these pools is *Ochlerotatus canadensis*, which may exhibit some multivoltine behavior by having more than one population emergence per year. This species has also been shown to have the capability to transmit both West Nile virus and Eastern Equine Encephalitis in addition to other diseases in the northeast (Andreadis 2005). All combined, these “spring brood” mosquitoes are the primary pestiferous species detected upon emergence to both humans and other mammals during late spring and early summer. The goal of the 2011 spring aerial larvicide program is to reduce the number of “spring brood” mosquito species while in the aquatic larval stage, therefore reducing the number of host-

seeking adults who would be capable of negatively impacting residents and livestock in the surrounding areas.

### MATERIALS AND METHODS

The product used in the aerial larvicide was *Bacillus thuringiensis israelensis* (Bti), which is the same product used in the CMMCP ground larvicide program (CMMCP 2009). A granular product, VectoBac G® (EPA Reg. No. 73049-10), a “biopesticide,” contains a non-reproducing soil bacterium. This bacterium generates target specific toxins which when ingested by the mosquito larvae reduce the likelihood of pupation and later emergence as an adult (Extension Toxicology Network 1996). This Bti product tends to be most effective when used prior to the mosquito larvae reaching the 4<sup>th</sup> instar. It is at this point that they begin to slow their feeding and begin metamorphosis to the pupal stage. As in previous CMMCP spring aerial applications, an application rate of 5lbs/acre was applied by the helicopter. This rate is well within the recommended application rates for VectoBac G® (2.5-10lbs/acre, VectoBac G® label). North Fork Helicopters (Cutchogue, New York) was again contracted to perform the aerial

application. Their past experience with the CMMCP spring aerial larvicide and their flexibility with the fluid nature of an ideal application timeframe are considered very important to the success of the program.

Targets for the aerial application were based on larval surveillance, past applications, previous mosquito-borne disease activity, and town priority areas. Selected wetland bodies tended to be over 5 acres and categorized as being primarily wooded swamp, deciduous, conifer and mixed; shallow marsh; and shrub swamp, which were determined through the use of GIS layers (MassGIS 2007). Any mosquito larval habitat below the 5 acre threshold were to be inspected during the CMMCP ground larvicide program and treated accordingly.

As previously stated, Bti is more effective if applied while the mosquito larvae are in the earlier instars. The application should be performed prior to the 4<sup>th</sup> instar, because these younger larvae tend to be the most susceptible. As larvae approach the pupa stage they are less likely to ingest a sufficient amount of the product to be effective. Furthermore, mosquitoes in the pupal stage stop feeding altogether and cannot be controlled by Bti. Because larval stage plays such a crucial role in the effectiveness of this larvicide, the influence by weather is great. A prolonged winter, late snow melt, and below average temperatures can delay larval development, potentially stalling the timing of the application. Conversely, the weather conditions before the 2010 spring aerial application, which including above average temperatures, accelerated

larval development and advanced the timing of that particular application.

The Chelmsford portion of the aerial application was conducted on April 21<sup>st</sup>, while Billerica and Boxborough were treated on the following day, April 22<sup>nd</sup>. As in previous years, the loading/landing zones were at Warren Farm in Chelmsford for the Billerica and Chelmsford application and at the MinuteMan Airfield in Stow for the Boxborough application. There were slight changes in the acreage designated for the aerial larvicide this year. The town of Billerica requested that 600 acres be treated, while Chelmsford requested 544, and Boxborough 990. This program is the only one at CMMCP that is done with supplemental funds; the towns pays for the helicopter and Bti, CMMCP provides the pre- and post larval monitoring, as well as the labor to assist the helicopter company. In accordance with 333CMR 13.04 (7) (Appendix A), CMMCP placed legal notifications in local newsprint prior to the aerial larvicide. This notification was printed February 14<sup>th</sup>, 2011 in the Boston Globe (Appendix B), and additionally was also posted on the CMMCP website at (<http://www.cmmcp.org/>).

Protocol for the monitoring an aerial larvicide event as based on the Generic Environmental Impact Report (GEIR) for mosquito control which outlines directions for the creation of recoverable dip stations (RDS) (Massachusetts Department of Agricultural Resources 2011). Each town receives one treatment RDS for every 250 acres targeted, as well as one untreated control RDS for comparison. This procedure allows for the levels of larvae

in treatment sites to be compared to the levels in an untreated control site. These locations are essential in determining the level of success for the application. Ten marked positions for larval surveillance, both before and after the application, are then established at each RDS. Prior to the application each position is flagged and numbered so that they can be rechecked following the application. The number of larvae present is recorded as well as other larval characteristics, and following the application the presence or absence of Bti product and observed larvae health is additionally noted. Any larvae that are sampled before the application are placed back so the results from the application are not impacted. Larvae samples are collected from the surrounding areas however, to help establish what species were present and controlled during the aerial larvicide.

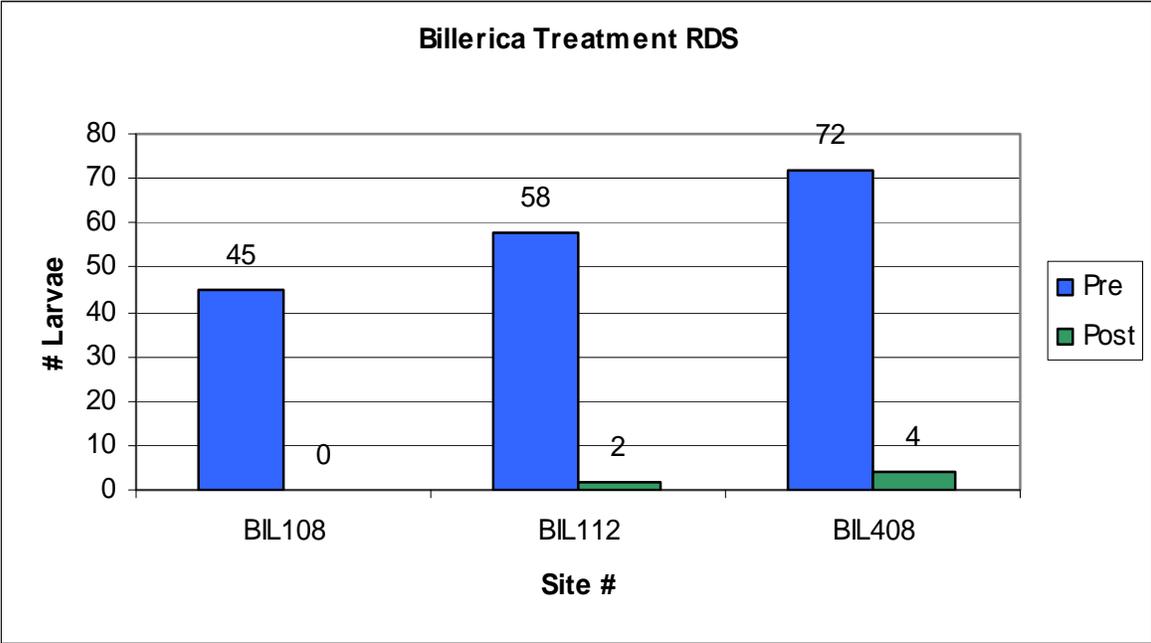
The results from the treated RDS indicate that for Billerica, Boxborough, and Chelmsford, the 2011 spring aerial larvicide had an overall observed larval reduction of 90.14% from pre-application levels. Following the application, the Billerica treatment RDS exhibited a 96.57% decrease, the Boxborough treatment RDS a 90.70% decrease, and the Chelmsford treatment RDS showed an 81.10% decrease. For the untreated control RDS, Billerica had a slight increase (+10.81%), Boxborough more than doubled (+102.53%), while Chelmsford slightly decreased (-5.66%). When these results were combined it resulted in an overall observed increase of almost 50% (48.52%) for those control RDS where no Bti product was applied (Table 1; Figures 1-4). Larvae samples collected in the areas of the RDS before the application indicate that several species were present including *Aedes cinereus*, *Ochlerotatus abserratus*, and *Ochlerotatus excrucians*.

## RESULTS

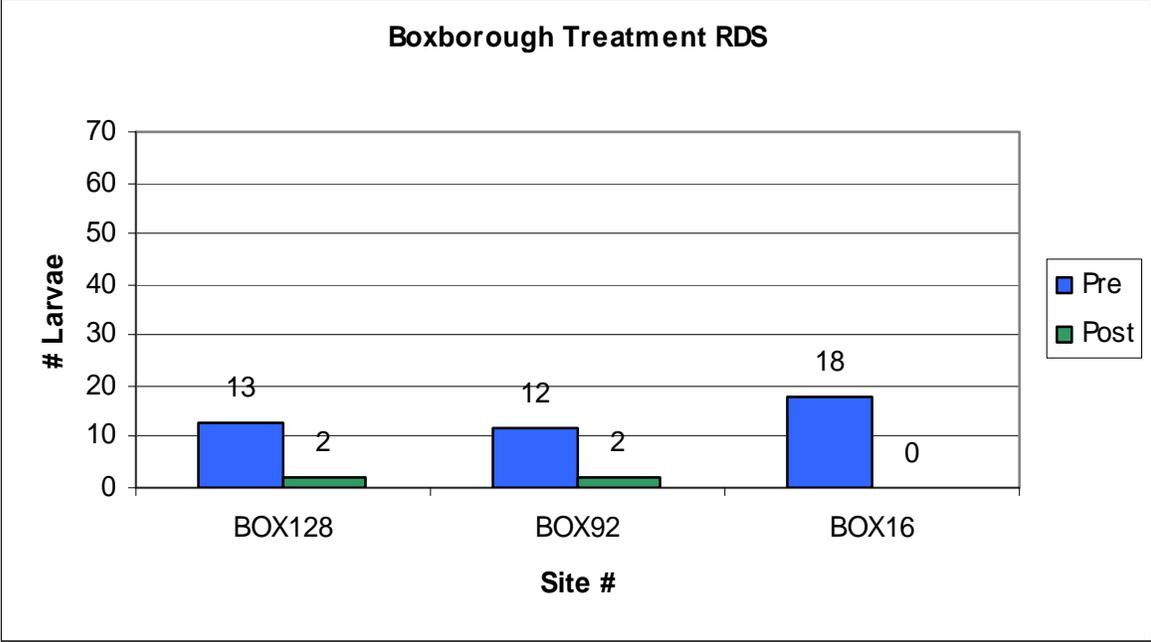
**Table 1: Larval Surveillance of Treatment and Control RDS**

Treatment Sites	Pre-application	Post-application	Observed Change
BIL108	45	0	-100.00%
BIL112	58	2	-96.55%
BIL408	72	4	-94.44%
BOX128	13	2	-84.62%
BOX92	12	2	-83.33%
BOX8	18	0	-100.00%
CHM82	38	9	-76.32%
CHM24	38	0	-100.00%
CHM236	51	15	-70.59%
<b>Overall:</b>	345	34	<b>-90.14%</b>
Control Sites	Pre-application	Post-application	Observed Change
BIL227	37	41	10.81%
BOX122	20	40	100.00%
ACT37	59	120	103.39%
CHM146	53	50	-5.66%
<b>Overall:</b>	169	251	<b>48.52%</b>

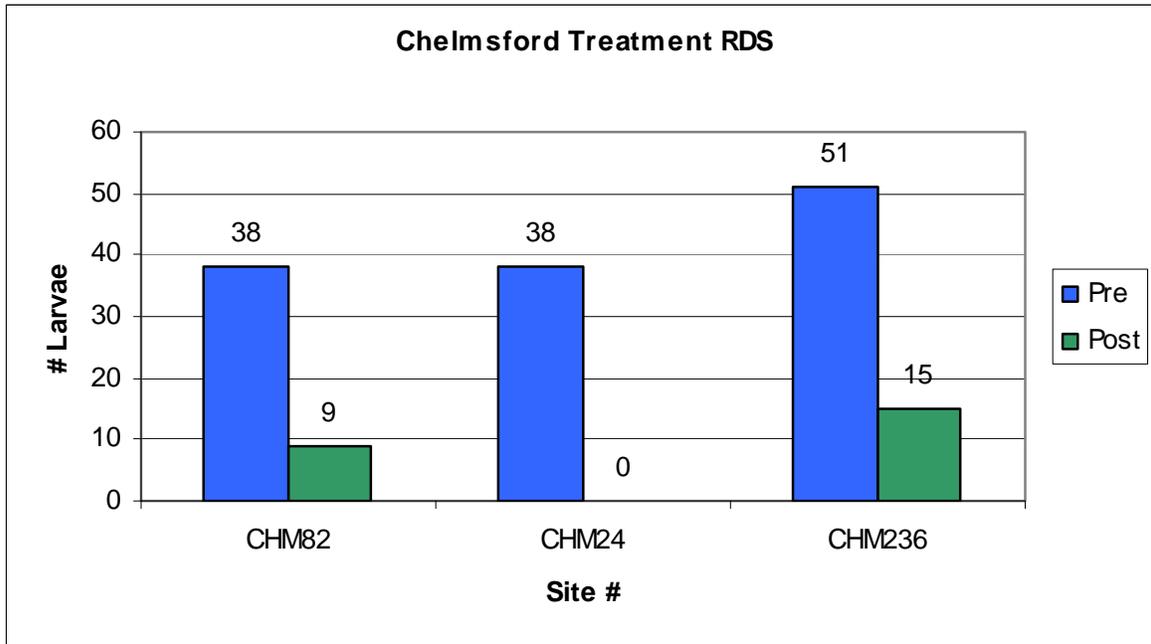
**Figure 1: Billerica Treatment RDS Results Pre- and Post Application**



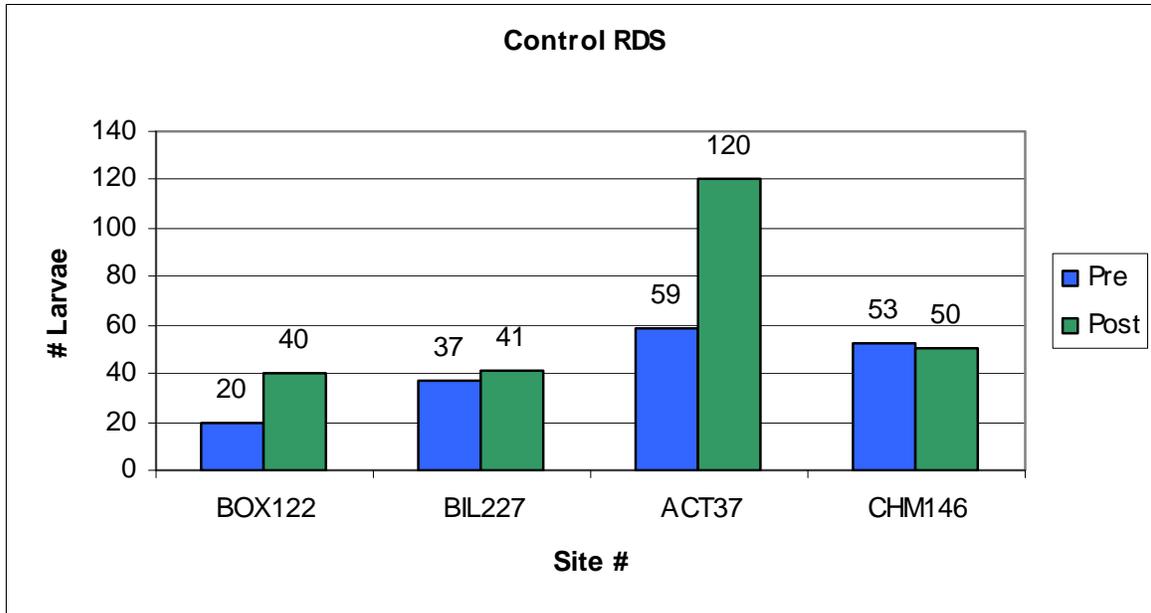
**Figure 2: Boxborough Treatment RDS Results Pre- and Post Application**



**Figure 3: Chelmsford Treatment RDS Results Pre- and Post Application**



**Figure 4: Control RDS Results Pre- and Post Application**



**DISCUSSION**

With approximately 90.14% overall control, the 2011 CMMCP spring aerial larvicide was considered very effective. Larval development was

more typical this year compared to the previous year, where advanced stages lead the aerial application to be conducted approximately a week earlier. Pre-application surveillance

indicated that the targeted larvae were within the range of suitable instars. Rain and high winds played a factor in this year's application. The Billerica and Chelmsford portions of the application were to be conducted on April 20<sup>th</sup>, but due to projected heavy rains were delayed until the 21<sup>st</sup>. Unfortunately though, only Chelmsford was treated on the 21<sup>st</sup>, this time limited because of high winds. The result was that the entirety of both Billerica and Boxborough were treated the following day, April 22<sup>nd</sup>. All of the RDS were checked 24 hours after each application and again once more, to ensure enough time had passed for the Bti product to be fully effective.

Observations showed that one of the RDS did not have Bti visibly present following the application, but at all other treatment RDS there seemed to be ample coverage. Review of the flight data reinforced the notion that this specific RDS was not treated, although the surrounding target areas were. This may have been due to a variety of factors, and will be addressed with the contractor. The timing of the application was proper in that the observed larval stages were within the ideal range, and also several target species were identified prior to the application including *Aedes cinereus*, *Ochlerotatus abserratus*, and *Ochlerotatus excrucians*. No *Oc. canadensis* were found prior to the application, but historically, *Oc. canadensis* begins initial development slightly later than both *Oc. abserratus* and *Oc. excrucians*. The reduction in mosquito larvae from this aerial larvicide will lower

the need for wide scale adulticide interventions later. As these "spring brood" species are primarily univoltine, the negative impacts of these early season mosquitoes will be lessened for area residents. There is potential for this program to expand in the future, with neighboring towns joining Billerica, Boxborough, and Chelmsford. This would additionally lessen the need for later adulticide events. All components of this program will be further reviewed to increase the efficacy of future applications.

### **ACKNOWLEDGEMENTS**

The authors would like to thank the towns of Billerica, Boxborough, and Chelmsford; North Fork Helicopters for conducting the application; Clarke Mosquito Control Products for supplying the Vectobac G®; Minute Man Airfield, Stow and Warren Farm, Chelmsford for the use of loading zones; the CMMCP Commission, and the CMMCP field staff for larval monitoring, larval identification, site selection, map development and assisting with the helicopter application.

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[http://www.epa.gov/pesticides/biopesticides/ingredients/factsheets/factsheet\\_006476.htm](http://www.epa.gov/pesticides/biopesticides/ingredients/factsheets/factsheet_006476.htm)

## APPENDIX A

*(7) Exemptions for Aerial Application of Mosquito Larvicides. Mosquito larvicide applications made by mosquito control programs approved by the State Reclamation and Mosquito Control Board are exempt from 333 CMR 13.04(4) and 333 CMR 13.04(6) if all of the following conditions have been met:*

*(a) Notice of the proposed application has been published in a newspaper of general circulation in the affected municipality between February 1st and March 1st of the year the application is intended to be made. The notice shall include the following information:*

- 1. Purpose of control program;*
- 2. Method of application;*
- 3. Area of application if known;*
- 4. Name and EPA Registration Number of the pesticide product to be applied; and*
- 5. Phone number of a contact person from whom additional information can be obtained.*

*Within seven calendar days of publication, a copy of the notice shall be provided to the Department and the Board of Health in the municipality where the application is to be made.*

*(b) Notice of the proposed application has been provided to the Department and the Board of Health in the municipality where the application is to be made prior to the application. The notice shall include the following information:*

- 1. Purpose of control program;*
- 2. Method of application;*
- 3. Area of application;*
- 4. Date and time of application;*
- 5. Name and EPA Registration Number of the pesticide product to be applied; and*
- 6. Name of the applicator and phone number of a contact person from whom additional information can be obtained.*

The full text of these regulations can be found at this link: [http://www.mass.gov/agr/legal/regs/pesticides\\_regulations\\_list.htm](http://www.mass.gov/agr/legal/regs/pesticides_regulations_list.htm)

## APPENDIX B

Ad Number 2000458819  
ID: Aerial Application to Control Mosquito L  
Class: LEGAL  
Begin Date: 2/14/2011  
End Date: 2/14/2011

CENTRAL MASS MOSQUITO CONTROL  
111 OTIS ST  
NORTHBOROUGH, MA 01532

*To place an ad: 617-929-1500*

# The Boston Globe

## CERTIFIED

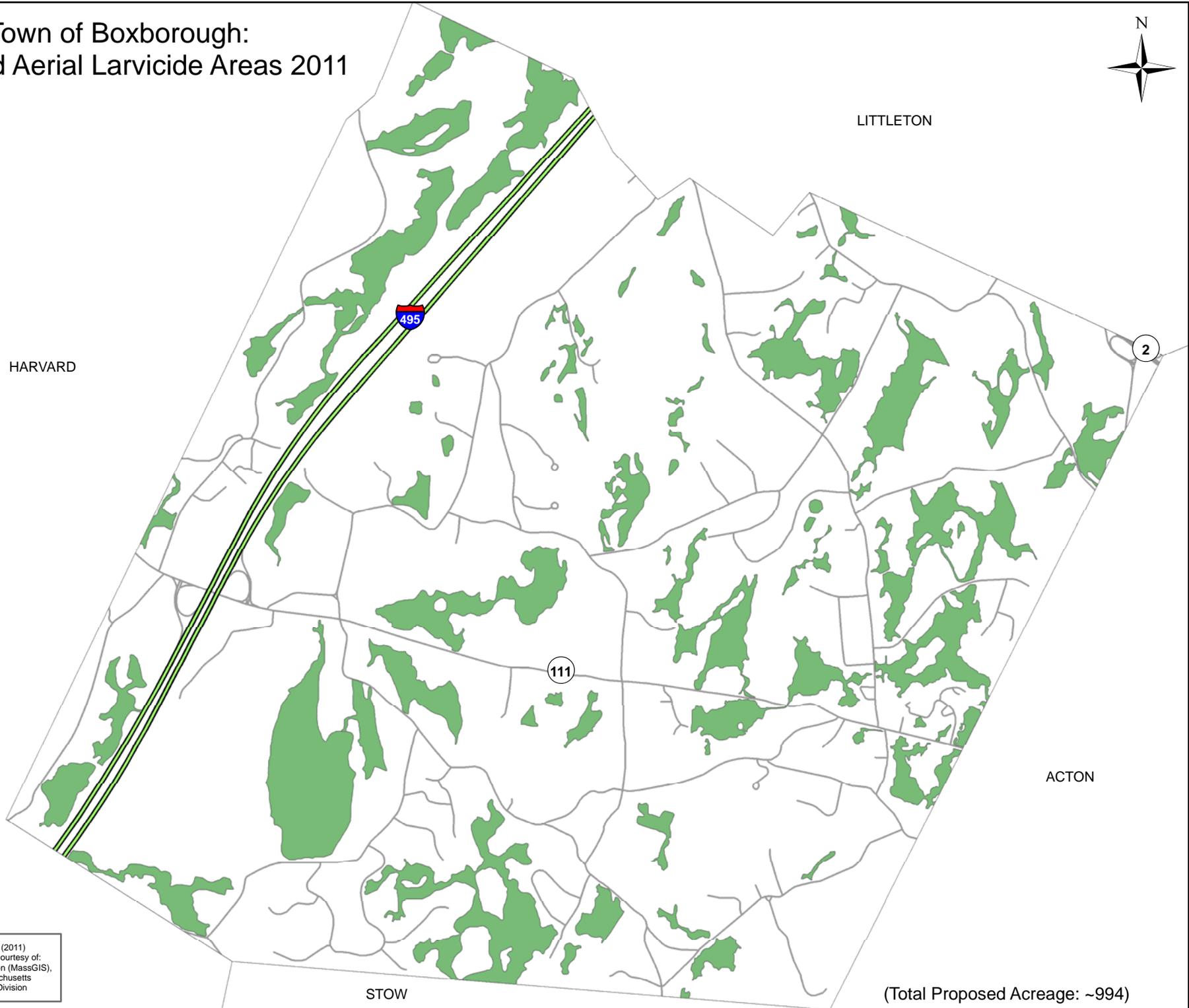
Below is your advertisement from THE BOSTON GLOBE, beginning 2/14/2011 and ending 2/14/2011, appearing 1 time(s) in Classification, LEGAL.

*Thank you!*  
**Boston Globe Advertising**

**Legal Notice - Aerial  
Application to Control  
Mosquito Larvae**

Per 333CMR 13.04(7), the Central Mass. Mosquito Control and North Fork Helicopters will be conducting helicopter applications of the biological larvicide Bti to control mosquito larvae over selected large wetlands in the towns of Boxborough, Billerica and Chelmsford. The applications will be conducted during the daylight hours from March 15 to October 31, 2011 as conditions warrant. The trade name of the product to be used is Vectobac G (EPA Reg. #73049-10). For additional information please contact Tim Deschamps at (508) 393-3055.

# Town of Boxborough: Proposed Aerial Larvicide Areas 2011



Frank Corrine, CMMCP (2011)  
Select features of this map courtesy of:  
Office of Geographic Information (MassGIS),  
Commonwealth of Massachusetts  
Information Technology Division

(Total Proposed Acreage: ~994)



# Town of Billerica: Proposed Aerial Larvicide Areas 2011

LOWELL

TEWKSBURY

CHELMSFORD

WILMINGTON

CARLISLE

BURLINGTON

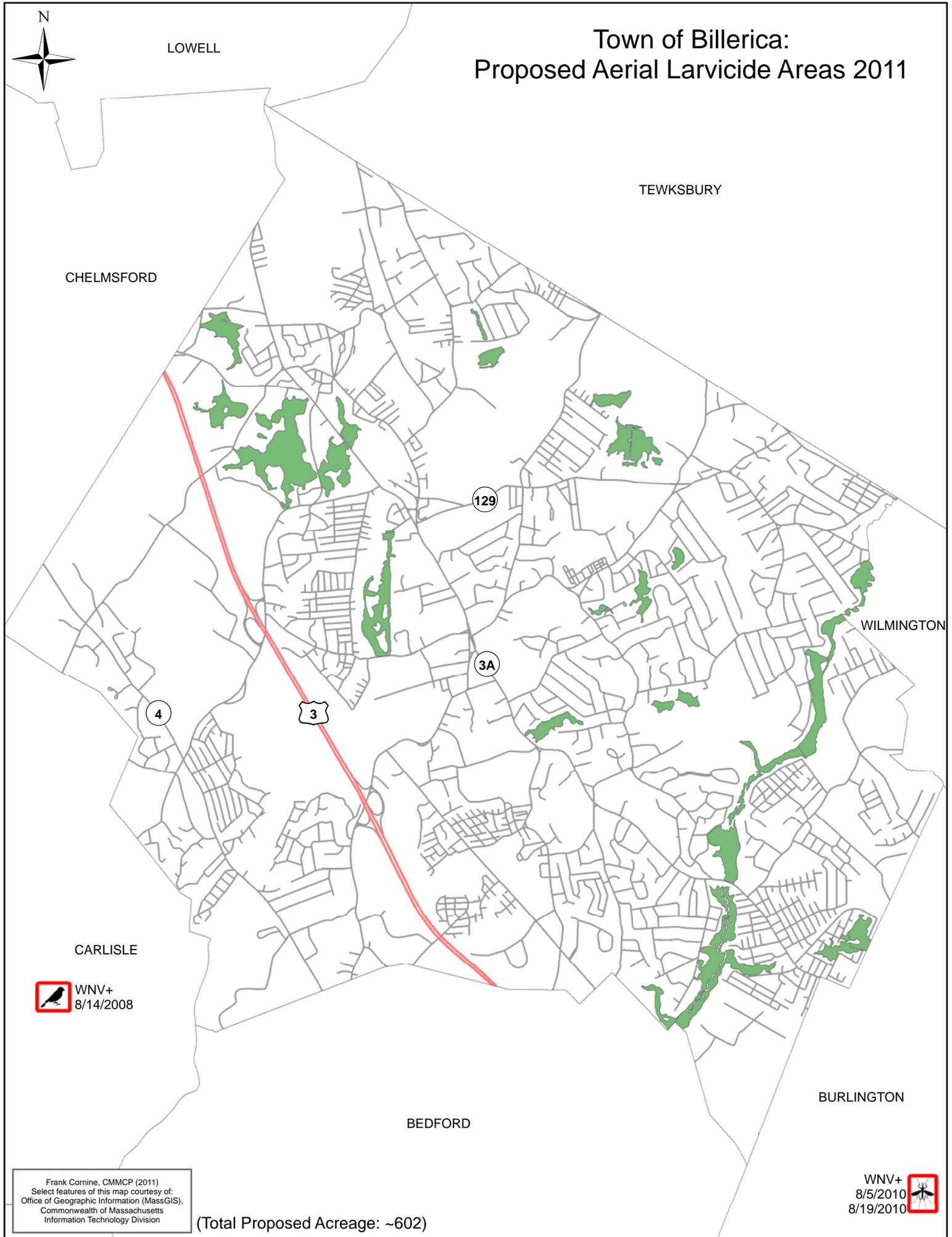
BEDFORD

 WNV+  
8/14/2008

WNV+  
8/5/2010  
8/19/2010 

Frank Corrine, CMMCP (2011)  
Select features of this map courtesy of:  
Office of Geographic Information (MassGIS),  
Commonwealth of Massachusetts  
Information Technology Division

(Total Proposed Acreage: ~602)





TYNGSBOROUGH

DRACUT

DRACUT

# Town of Chelmsford: Proposed Aerial Larvicide Areas 2011

LOWELL

WNV+  
8/11/2010

TEWKSBURY

WNV+  
9/8/2008

129

3

WESTFORD

110

27

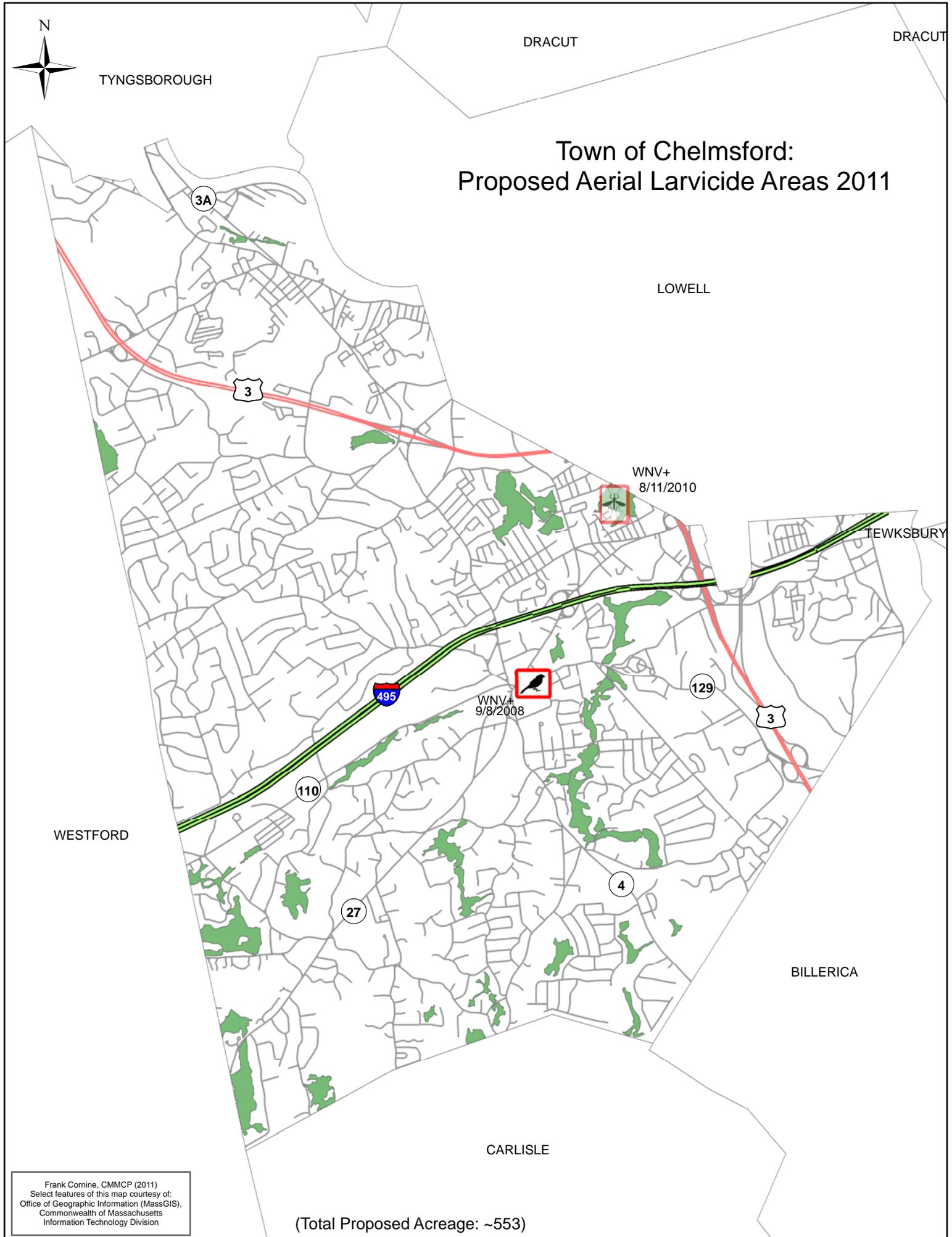
4

BILLERICA

CARLISLE

Frank Cornine, CMMCP (2011)  
Select features of this map courtesy of:  
Office of Geographic Information (MassGIS),  
Commonwealth of Massachusetts  
Information Technology Division

(Total Proposed Acreage: ~553)



# **Bottle Assays of Field Collected Mosquitoes for Level of Resistance to ANVIL® 10+10 in Central Massachusetts (Update 2011)**

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## **ABSTRACT**

In 2011, the Central Mass. Mosquito Control Project continued conducting bottle assays, which test the potency of a substance on live specimens, to determine if pesticide resistance has been developing in local mosquito populations. Using procedures recommended by the Center for Disease Control and Prevention, the results of unexposed mosquitoes were compared to those collected from areas serviced by the CMMCP adulticide program. It was determined that the level of resistance in local mosquito populations does not warrant any procedural or insecticide changes at this time. Despite these findings, CMMCP will continue bottle assays of local mosquito populations to monitor the levels of resistance so that if indications of resistance are observed, proper actions could be implemented to ensure control effectiveness.

## **INTRODUCTION**

With environmental changes, mosquito species have the potential to change their current distribution and bring disease with them to new areas (Brogdon 1998; Simsek 2003). These possible diseases include malaria, dengue, yellow fever and Rift Valley Fever among others (McAbee 2003; Simsek 2003). Faced with these new threats, vector control personnel must be aware of the dynamics of local mosquito species in order to lessen the threat of human infections.

Resistance to pesticides can have a major impact on the abilities of public health officials against vector-borne disease (Brogdon 1998). It has been shown that some past agricultural

and pest control use of insecticides has led to the development of resistance of these chemicals in select populations of mosquitoes (Rodriguez 2005). This resistance is predicted to be the basis for future reemergence of vector-borne diseases, and also impair the control efforts in these situations (Brogdon 1998).

There are several factors that may have contributed to this development, including the narrowing scope of insecticides available for public health use, along with increasing restrictions from regulatory agencies (Brogdon 1998). Resistance to pyrethroids in particular could be due in part to past use of DDT in some areas, with the

resistance mechanism being similar for both (Brogdon 1998; McAbee 2003). This cross-resistance, as observed between pyrethroids and DDT, is becoming more prevalent as the existing resistance mechanisms are being enhanced in the target insects (Brogdon 1998).

Despite research that has shown resistance in specific mosquito species, the actual impact of this on vector control is not known due to several issues. One is the lack of information about the current resistance levels, due in part to the wide variety of surveillance programs and data collection efforts. Another factor, and potentially more important, is that resistance seems to be localized. In one study, certain mosquito populations that were only a few kilometers apart varied greatly on the presence and levels of resistance, including the actual mechanism for the resistance (Brogdon 1998).

These unknowns about the level of resistance in vector species have reinforced the need to study pesticide resistance by CMMCP. The goals of this research will be to create baseline data for control efforts, detect early resistance, and to observe the current effects of control strategies (Brogdon 1998). If resistance is observed, then a change in application rates or a change to a different class of insecticides may need to be considered.

To control adult mosquitoes, CMMCP uses ANVIL® 10+10 (Clarke Mosquito Control Products,

Inc., Roselle, IL) (EPA Reg. No. 1021-1688-8329), a synthetic pyrethroid composed of 10% SUMITHRIN® (Sumitomo Chemical Company, Ltd., Osaka, Japan)(d-phenothrin) and 10% piperonyl butoxide (PBO)(Center for Disease Control and Prevention 2002; PHEREC 2001), which is used as a synergist<sup>1</sup>. In this ongoing study to monitor resistance levels in its service area, CMMCP continued conducting bottle assays in the summer of 2011 for ANVIL® 10+10.

## METHODS

The bottle assay procedure used by CMMCP was modeled after the CDC method (Center for Disease Control and Prevention 2002), where a baseline for resistance was established using specimens collected from an area without any historical adulticide exposure. This data could then be plotted against data from mosquito populations in areas where CMMCP records show past insecticide usage has occurred. This will determine if any degree of resistance has developed to the current CMMCP adulticide product.

To start, clean 250ml Wheaton bottles (Wheaton Science Products, Millville, NJ) were lined with 1ml of various concentrations of ANVIL® 10+10 (8.868µg/ml, 22.17µg/ml, 44.34µg/ml, and 88.68µg/ml), which were diluted with pesticide grade acetone (Thermo Fisher Scientific, Inc., Fair Lawn, NJ). Approximately

---

<sup>1</sup>Synergist- Additional substance that will assist in the elimination of certain resistance mechanisms; PBO synergist eliminates oxidase activity (Center for Disease Control and Prevention 2002).

10-15 field collected mosquitoes were introduced into each bottle by mechanical aspiration and % knockdown was recorded at 5 minute intervals, up to 100% knockdown. For control bottles lined with only acetone (zero ANVIL® 10+10), % knockdown was observed at 5 minute intervals up to an hour. Each pesticide concentration assay had several trials until a concentration was found that created a timely mortality curve that reached total knockdown around 30 minutes. Once the ANVIL® 10+10 baseline concentration was determined, it could be used against the exposed mosquito populations, with control bottles running simultaneously.

The collection of mosquitoes for the bottle assays were facilitated by the use of several CDC light traps (John W. Hock Co., Gainesville, FL), baited with CO<sub>2</sub> at a flow rate of 500ml/min. ABC standard collection nets (Clarke Mosquito Control Products, Inc., Roselle, IL) were used to contain the mosquitoes, along with a simple food source, until resistance testing took place, which was usually within a couple of hours. The mechanical aspiration from the collection cages to the assay bottles was enabled by the use of a flashlight aspirator (BioQuip Products, Inc., Rancho Dominguez, CA).

The baseline mosquitoes were collected from an area located near an organic farm. This site has been an official exclusion property since 2006, but even prior to that CMMCP has no record of using adulticide products there. Once the baseline concentration had been determined

using these unexposed mosquitoes, collections were made at several other sites that had varying number of adulticide events (~2-15) over the previous couple of years. These potentially resistant mosquitoes were then run against the baseline concentration from the unexposed population, as well as control bottles coated with only acetone. In 2007 six different locations were used, with two sites having multiple collections and trial sets. An additional site was added in 2008, while bottle assays were concentrated on four different sites in 2009, sites which had been monitored previously. The trials in 2010 used three sites from the 2009 seasons, with a fourth site changing to a previously monitored location due to changes in local mosquito abundance. This past year, bottle assays were focused on four sites that have historical resistance surveillance data.

After conducting bottle assays on the collected mosquitoes against the baseline concentration, the knockdown percentage was plotted against the time interval to determine if any degree of resistance was forming in these populations compared to those unexposed. If any specimens survived longer than those of the baseline group, this could represent some degree of resistance has developed.

## RESULTS

The baseline component of the bottle assays that resulted in the optimal concentration of the ANVIL® 10+10 was 22.17µg/ml, which corresponded with data from



The bottle assays preformed in 2008 resulted in similar findings to 2007. Of the 13 trial sets, 6 had specimens that did not reach 100% knockdown by the 25 minute mark. However, these findings were not significant and all had knockdown rates at the 25 minute mark of over 97.22%. Again, the acetone only coated bottles had zero knockdown effect (Figure 3).

Figure 3: 2008 Time-% Knockdown Curves of Bottle Assays for ANVIL® 10+10 (22.17µg/ml)

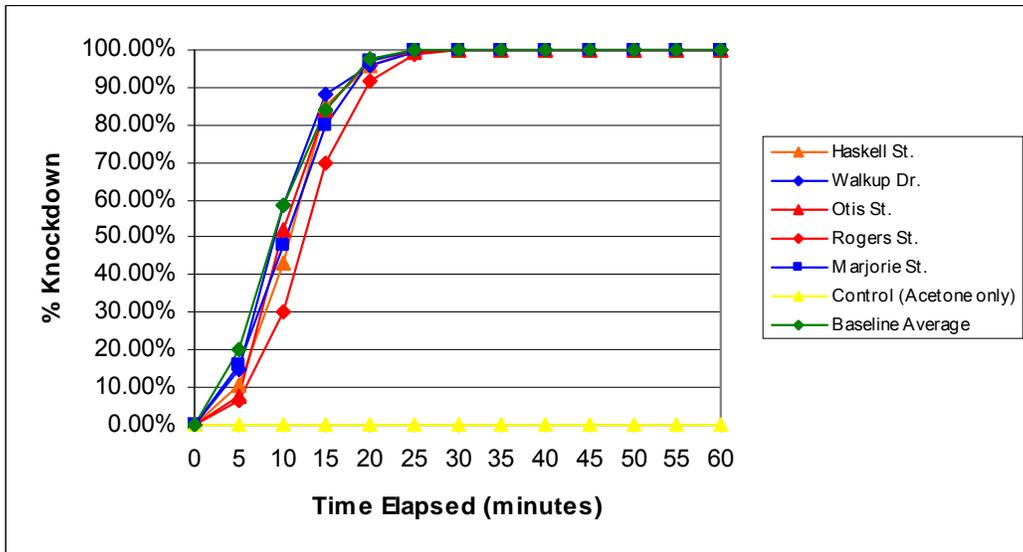
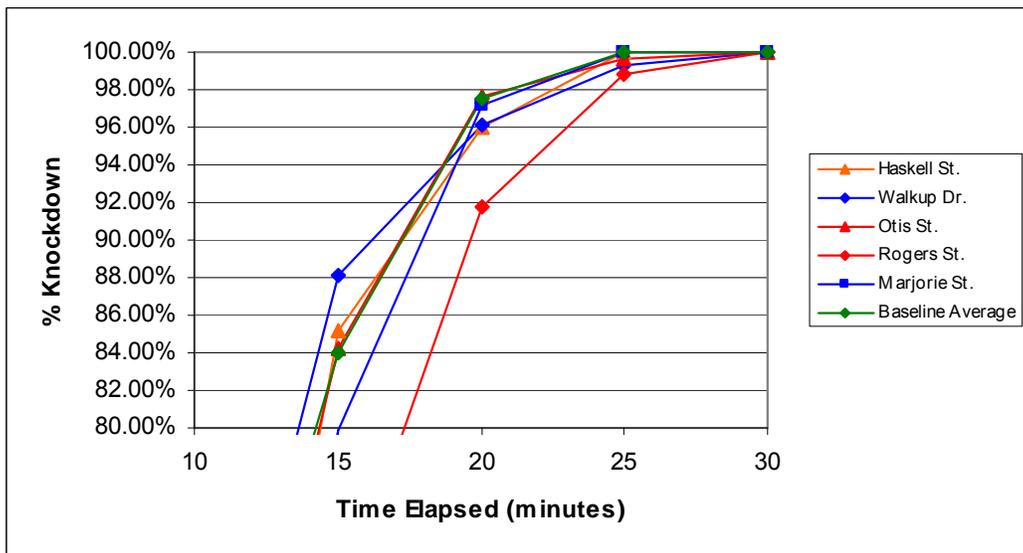


Figure 4: 2008 Time-% Knockdown Curves of Bottle Assays (2) for ANVIL® 10+10 (22.17µg/ml)



Bottle assays preformed in 2009 had trials where the specimens did not reach complete knockdown until the 35 minute mark (Figures 5, 6). Of all specimens tested in the 2009 trials, 99.72% of specimens were knocked down at the 30

minute mark or earlier. As with previous seasons, the acetone only coated bottles had zero knockdown effect (Figure 5).

Figure 5: 2009 Time-% Knockdown Curves of Bottle Assays for ANVIL® 10+10 (22.17µg/ml)

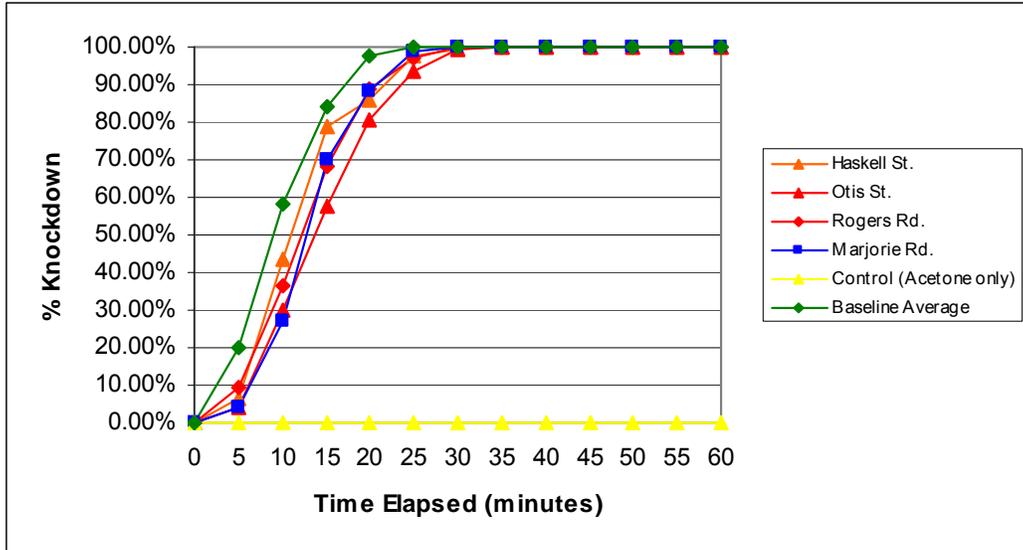
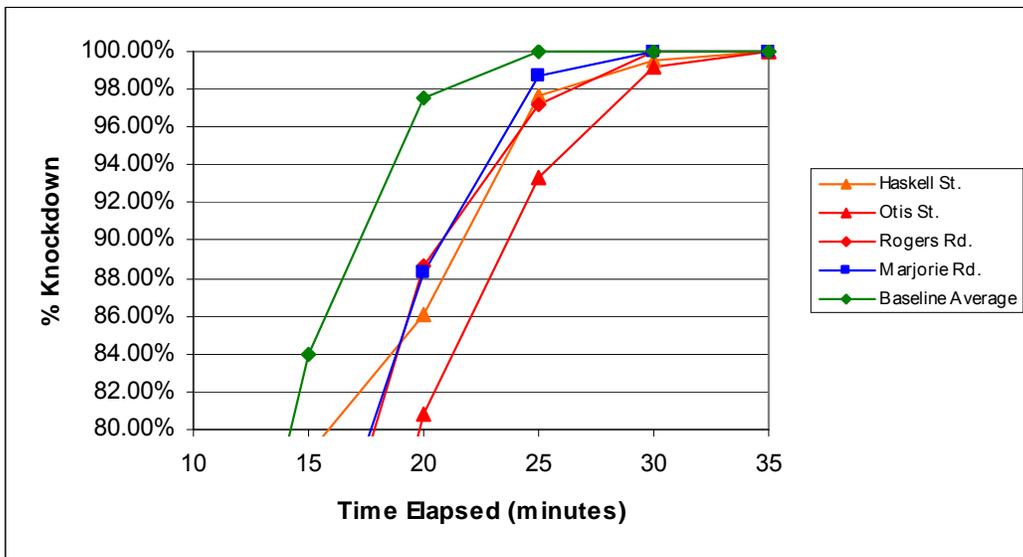


Figure 6: 2009 Time-% Knockdown Curves of Bottle Assays (2) for ANVIL® 10+10 (22.17µg/ml)



The bottle assays performed in 2010 showed an increase in the knockdown rate compared to the previous year (Figures 7, 8). At the 20, 25, and 30 minute mark, the knockdown percentages were 98.52%, 99.86%, and 100% of the specimens respectively. This rate is more consistent with the baseline average and also with the trials conducted in 2007 and 2008. The acetone only control exhibited zero knockdown effect on the specimens (Figure 7).

Figure 7: 2010 Time-% Knockdown Curves of Bottle Assays for ANVIL® 10+10 (22.17µg/ml)

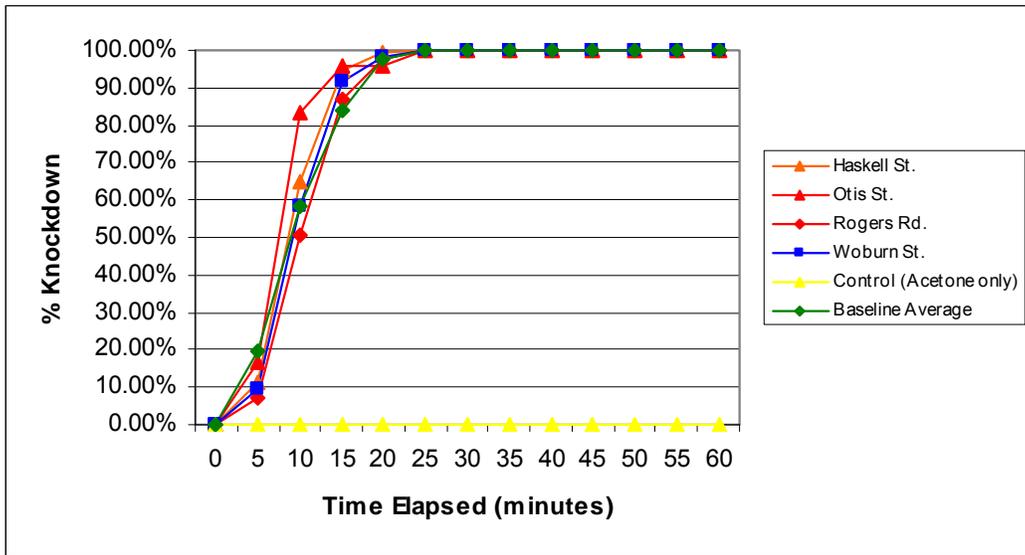
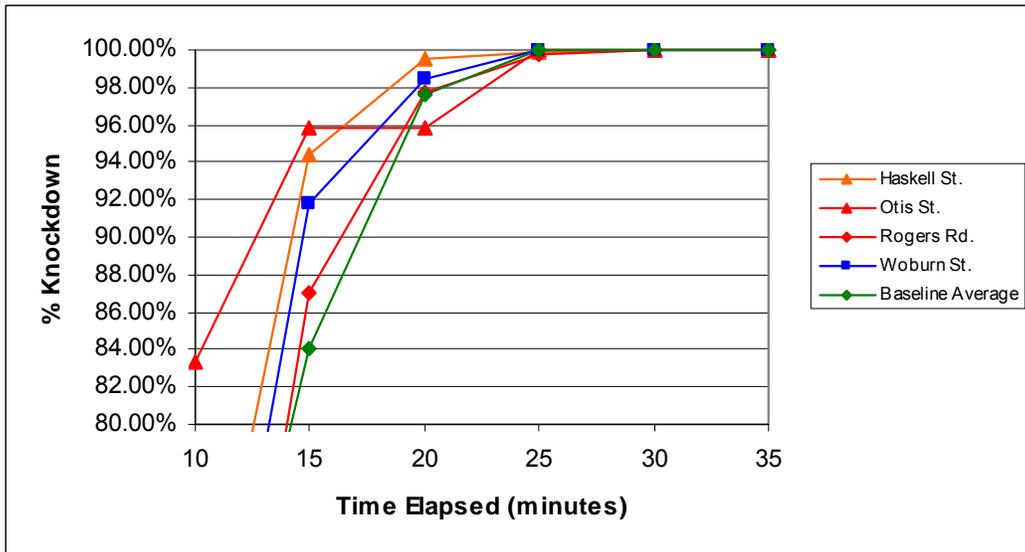


Figure 8: 2010 Time-% Knockdown Curves of Bottle Assays (2) for ANVIL® 10+10 (22.17µg/ml)



The 2011 bottle assays from this past season were very similar to the previous year, with all sites within the spectrum of the baseline average (Figures 9, 10). Overall, all of the specimens were knocked down by the 30 minute mark, with 97.60% and 99.69% down at the 20 and 25 minute marks respectively. The control bottles coated with acetone alone had zero knockdown effect as one would expect (Figure 9).

Figure 9: 2011 Time-% Knockdown Curves of Bottle Assays for ANVIL® 10+10 (22.17µg/ml)

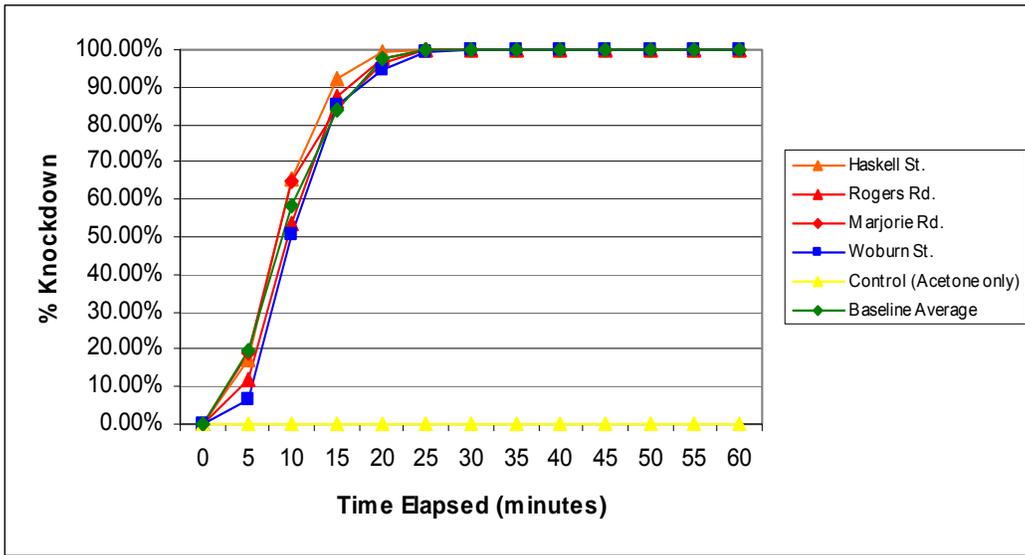
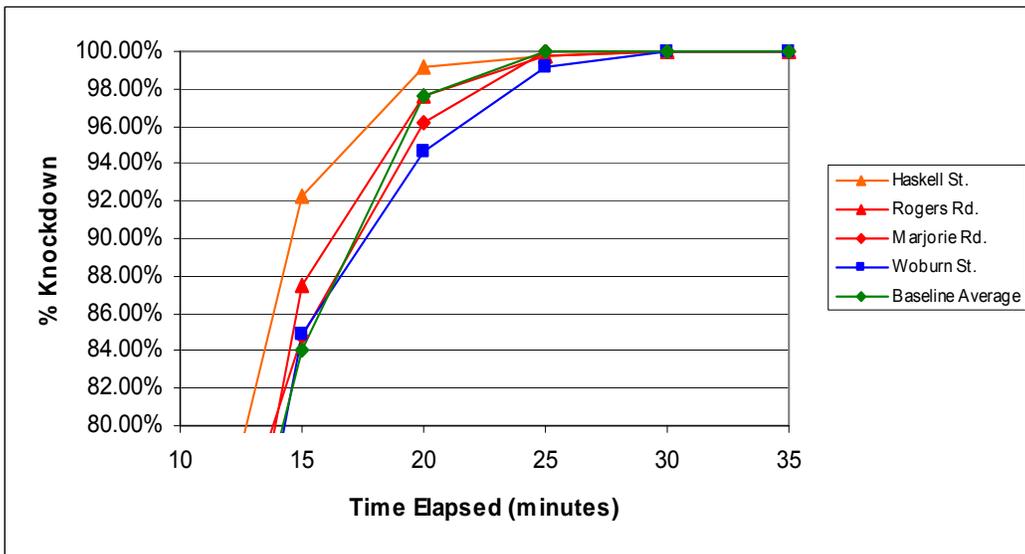
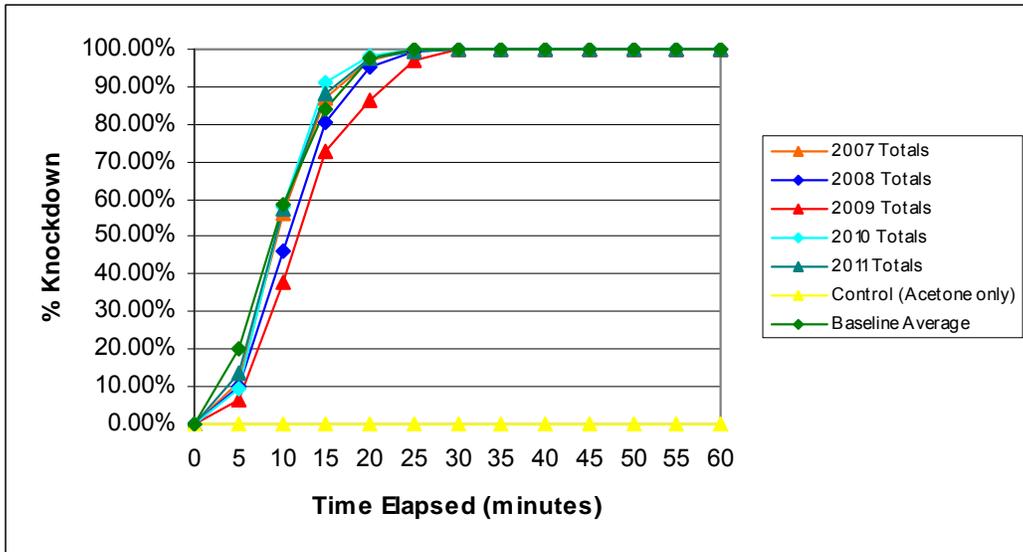


Figure 10: 2011 Time-% Knockdown Curves of Bottle Assays (2) for ANVIL® 10+10 (22.17µg/ml)



Looking at the yearly totals from the five seasons of bottle assays one can observe that the knockdown rate has been relatively consistent around the baseline average. Additionally, the acetone only coated bottles have consistently provided a proper control measure with zero knockdown effect (Figure 11).

Figure 11: Yearly Comparison of Time-% Knockdown Curves of Bottle Assays for ANVIL® 10+10 (22.17µg/ml)



### DISCUSSION

The results of the bottle assays continue to indicate that the level of resistance in the populations of the local mosquitoes tested in the CMMCP service area is not significant enough where a change of pesticide or application protocol is needed at this time. This is not necessarily surprising considering the nature of the CMMCP adulticide program, which is primarily request-only in localized, targeted areas. Another reason would be the vast size of the CMMCP service area, encompassing 39 cities and towns, with non-member municipalities having no mosquito control program scattered in and around them. These factors contribute to local mosquito populations not being consistently exposed to a single class of insecticides, lessening the potential development of resistance. The rapid degradation and low residual nature of the insecticide also could contribute to low resistance development.

CMMCP had used resmethrin (Scourge® Bayer Environmental Science, Montvale, NJ) (EPA Reg. No. 432-667), for their ULV applications since 1988 before switching to ANVIL® 10+10 in 2007. Both products are synthetic pyrethroids. Both insecticides also use piperonyl butoxide (PBO) as a synergist, in different concentrations, with ANVIL® 10+10 using 10% PBO compared to 18% for Scourge® (Center for Disease Control and Prevention 2002; PHEREC 2001). Before using either of those synthetic pyrethroids, CMMCP had been using Malathion, an organophosphate, which is of a different chemical class (Nauen 2006).

Drought conditions in the latter part of 2007 impacted collection numbers, which hindered collections for additional bottle assay trials that season. The 2008 season collections were not impacted by lack of rain, allowing more trials to be conducted. During 2009, heavy rains dominated the season, and in many instances hampered collection

of specimens at previously monitored locations. In stark difference, the 2010 weather conditions were remarkably dry, which lowered the number of late season trials. Conversely, this past season experienced several large rain events throughout the summer.

Bottle assays in subsequent seasons will provide additional data for resistance management in the CMMCP service area. In conclusion, the results of the bottle assay research conducted since 2007 show that the level of resistance in the local mosquito populations tested does not warrant a change in protocol or product, but monitoring for resistance will continue because it is a vital tool in resistance management.

#### ACKNOWLEDGEMENTS

I would like to thank the following people and groups for their help and guidance throughout this project: Timothy Deschamps, Timothy McGlinchy, Ann Meyer, Justin Covino and The Central Mass. Mosquito Control Project Commissioners

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## **Retention Pond Surveillance for *Coquillettidia perturbans* and Other Select Mosquito Species**

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### **ABSTRACT**

During the 2011 season, several local retention ponds were selected as part of an ongoing surveillance study for *Coquillettidia perturbans* and other target mosquito species. *Cq. perturbans* are associated with this type of habitat because while developing in their early stages, these mosquitoes attach themselves to the aquatic roots systems of retention pond plants to obtain oxygen. Upon emergence, this species can acquire and transmit both West Nile virus and Eastern Equine Encephalitis to humans as it readily feeds on mammals. Collections were periodically conducted at these locations, which helped gauge the seasonal population dynamics of *Cq. perturbans* and other local species. Significant numbers of specimens were observed and the population information gathered from these areas can eventually be used as baseline data in future efficacy trials. Potential control activities around these retention ponds will now have accompanying pre-treatment data. In preparation for these later efficacy trials, data collection at these retention ponds will continue.

# Efficacy Trials of the Central Massachusetts Mosquito Control Project Adulticide Program - 2011

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## ABSTRACT

During the summer of 2011, the Central Mass. Mosquito Control Project (CMMCP) conducted field trials for the efficacy of their current adulticide product and procedure. By observing natural mosquito populations before and after adulticide applications at treatment and control sites, it was determined that the current protocol results in adequate control before eventually returning to pre-application levels. These findings are believed to be influenced by the low residual nature of the product used for control and repopulation by neighboring mosquito populations. New mosquito emergence is a factor although less influential than the simple migration. These results are consistent with previous efficacy trials conducted by CMMCP. Despite these findings, the application rates are considered sufficient at this time, although changes in insecticide application rates and target areas size could increase the efficacy of this program when responding to mosquito-borne disease.

## INTRODUCTION

At the forefront of any vector control operation should be the efficacy of their practices. As one of several tools in any mosquito control project's integrated mosquito management (IMM) plan, adulticide applications are no different (Crockett 2002). Like many mosquito control projects, CMMCP uses ultra-low volume (ULV) application machines, which allow for the use of micron-level insecticide droplets (Mount 1998). Currently CMMCP uses ANVIL® 10+10 (Clarke Mosquito Control Products, Inc., Roselle, IL) (EPA Reg. No. 1021-1688-8329), a synthetic

pyrethroid composed of 10% SUMITHRIN® (Sumitomo Chemical Company, Ltd., Osaka, Japan)(d-phenothrin) and 10% piperonyl butoxide (PBO)(Center for Disease Control and Prevention 2002; PHEREC 2001).

During the 2011 season, CMMCP applied ANVIL® 10+10 at a flow rate of 1.9oz/min at 15mph, which results in the application of .0012lbs of active ingredient per acre. This is the lowest active ingredient rate available on the product label (CMMCP 2012). In order to maintain proper application equipment standards, CMMCP conducts a ULV Sprayer Maintenance and

Calibration Program as detailed in its Standard Operating Procedures Manual. This program involves the periodic testing of droplet size and flow rate calibration, and well as other maintenance for the ULV machines such as spray head flushing and ultrasonic cleaning.

Efficacy trials of the past tend to use caged mosquitoes over natural populations because of their rapid, economical, and more standardized results. Despite these differences, studies have shown that the percent reduction of caged mosquitoes is the same as the reduction of the natural populations (Mount 1998). Any poor results of a ULV application could be caused by an ineffective insecticide dosage, mosquito resistance to that insecticide, unfavorable weather conditions, reduced target coverage due to dense vegetation, or quick repopulation of the area (Curtis 1996; Efid 1991; Mount 1998).

In recent years, mosquito insecticide resistance has been observed in areas domestically, as well as internationally. Routine resistance surveillance is needed to ensure that resistance is not impacting the efficacy of local ULV applications (Brogdon 1998). CMMCP has been conducting resistance surveillance for several years and the results indicate that resistance to the current insecticides is not an issue with the mosquito populations in the CMMCP service area (Cornine 2009).

Weather conditions can also have a great impact on the effectiveness of an ULV application. Important factors include wind direction and

velocity, temperature and temperature gradients (Mount 1998). Wind direction and velocity are important in that they are needed to create the drift for the adulticide across the target area. Velocities of 1-7mph are ideal with gusts of no more than 11mph. Ambient temperatures are important to the efficacy of ULV applications in that they influence mosquito activity as well as possibly compromising the effectiveness of the insecticide itself.

Another temperature factor is the temperature gradients in the atmosphere which can impact the inversion of the application product into the elevated levels of tree canopies (Mount 1998). This can be important for vector control efforts due to the fact that certain potential vector species of Eastern Equine Encephalitis (EEE) and West Nile virus (WNV) tend to congregate in the canopies, namely *Culiseta melanura* and *Culex pipiens* (Anderson 2004). These meteorological factors all play a part in the mosquito control efficacy of ULV applications. With these factors in mind, it is generally more advantageous to perform applications in the evenings due to mosquito activity and weather conditions (Mount 1998).

Vegetated areas can also be a factor in the efficacy of a ULV application (Mount 1998). For example, a higher dosage rate may have to be used to obtain the same control level in areas where there is heavy vegetation compared to open spaces (Curtis 1996). This is due in part to the idea that the size and amount of

droplets at the regular dosage rates may be unable to physically reach the adult mosquitoes in the vegetative cover. In fact, it has been reported that for a ULV application in vegetative areas compared to open spaces, the effectiveness of the normal dosage rates can be reduced by over 4 times (Curtis 1996; Mount 1998). With cost and environmental impact in mind, mosquito control personnel tend to use insecticide at a lower acceptable rate, but in situations where there is dense cover for adult mosquitoes these rates may be less effective, resulting in the need for additional applications, increasing costs and impact overall (Curtis 1996). Dense housing, fencing and other wall structures can also have similar impacts on the effectiveness of ULV ground applications as vegetation (Mount 1998).

A major problem with efficacy studies using natural populations is that mosquitoes in neighboring areas may repopulate the area after the application (Efird 1991; Mount 1998). In areas where the street layout allows a large coverage area, ULV applications can provide increased control over smaller targeted areas because of the possibility of reinfestation. In these small target areas situations, additional and more frequent applications may have to be made for adequate control (Mount 1998).

To help determine the efficacy of the CMMCP adulticide program, research trials were conducted during the summer of 2011 to

evaluate if any procedural changes were warranted.

## **METHODS**

To test the efficacy of the CMMCP standard adulticide procedure, three permanent sites were chosen for the study with multiple mosquito collections made weekly at each location throughout the season. Two of these sites were selected to be treated during the CMMCP adulticide program while the other not, being used as a control site. Test sites were chosen from areas with above average numbers of service requests received, while the control site was selected from a nearby area, and was treated as an application exclusion location.

Mosquito collections were made using model 512 CDC miniature light traps baited with CO<sub>2</sub> (500ml/min) (John W. Hock Co., Gainesville, FL). Specimens were recorded by trap location and date of collection. Several collections were made prior to and following applications to help determine control. After plotting the data for both treatment sites and the control site, comparisons were made to help determine to what affect the adulticide applications had on the local mosquito population. On the evenings of applications, field technicians noted the time, temperature and wind direction prior to beginning.

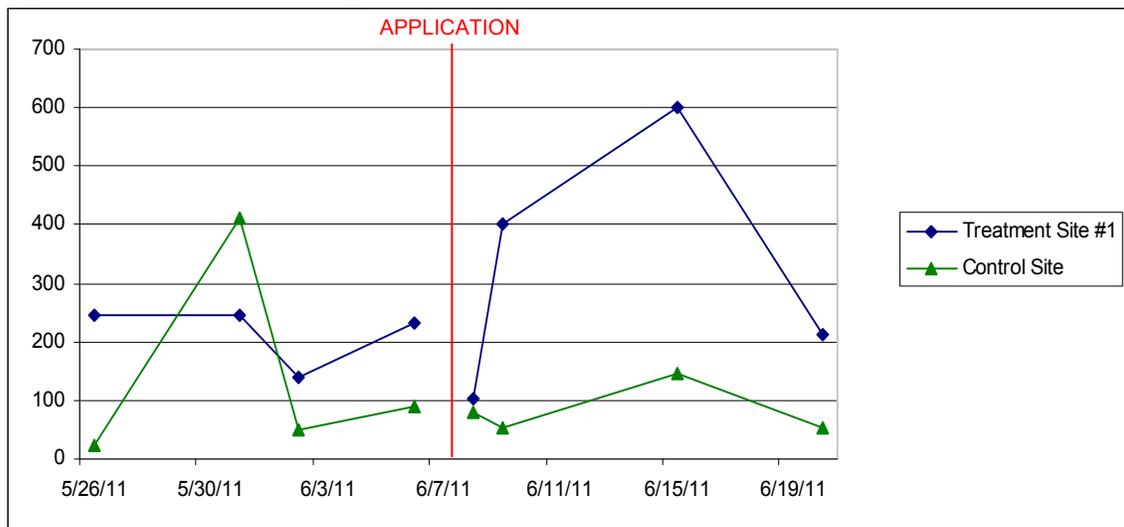
## **RESULTS**

Several collections were made at both treatment sites and the control site prior to applications. Treatment

site #1 had area applications conducted on the nights on June 7<sup>th</sup> as well as July 12<sup>th</sup>, while the applications at treatment site #2 were on June 7<sup>th</sup> and June 28<sup>th</sup>. Further applications were anticipated but lack of adequate requests in the treatment areas and decreases in local mosquito abundance prevented the additional trials. Data surrounding the first application of treatment site #1 showed initial control following the adulticide event

but collections soon rebounded (Figure 1). Species identification of collections made around this application, indicate that the local populations of *Ochlerotatus canadensis* may have been in the process of emerging. Although low in numbers prior to the application, this species was found in significant numbers in the subsequent collections, partly accounting for the observed increase at the treatment site.

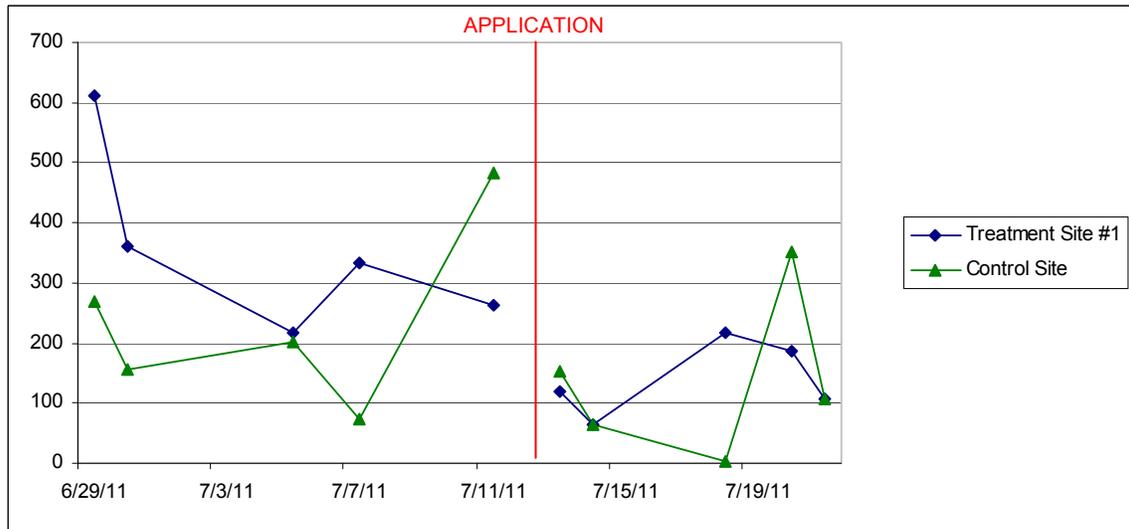
Figure 1: Collection Comparison for Treatment Site #1 and Control Site



Collections around the second application at treatment site #1, conducted on July 12<sup>th</sup>, showed a decrease in local mosquitoes, although somewhat similar results were observed around the control site as well (Figure 2). In the

collections prior to the application, both sites had relatively similar tracks. Following the event and initial control, collection numbers from both locations eventually began to track well with one another once again.

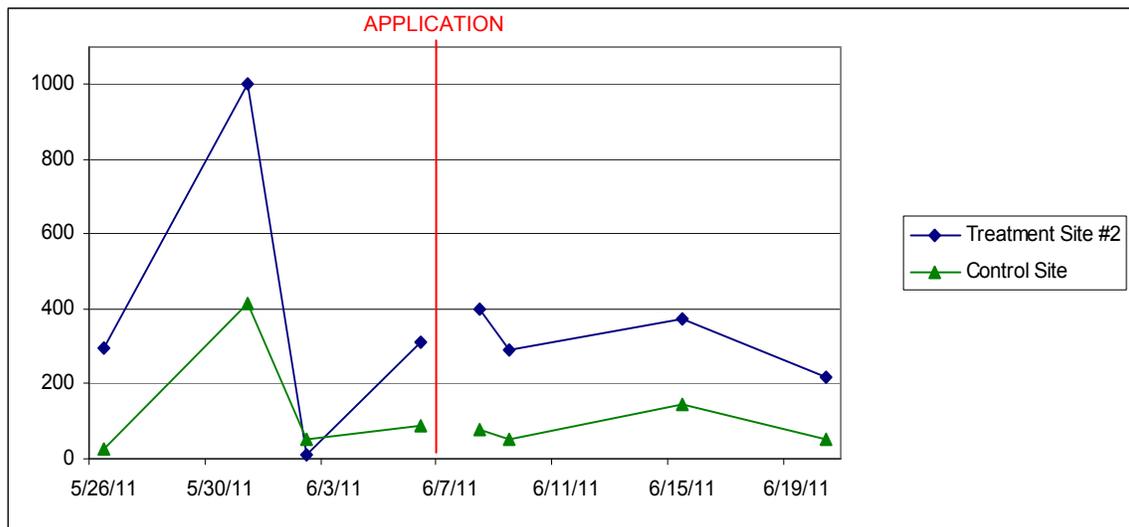
Figure 2: Collection Comparison for Treatment Site #1 and Control Site



The initial application at treatment site #2 occurred on June 7<sup>th</sup>, and was followed by a trend of decreasing mosquito numbers (Figure 3). This decrease was also seen in the control site collections, although not as drastic. Pre and post application collections at the

treatment and control sites generally tracked well during the project. Although collections indicate that it was not as significant a factor as with treatment site #1, an emergence of *Ochlerotatus canadensis* may have impacted the findings around this application.

Figure 3: Collection Comparison for Treatment Site #2 and Control Site



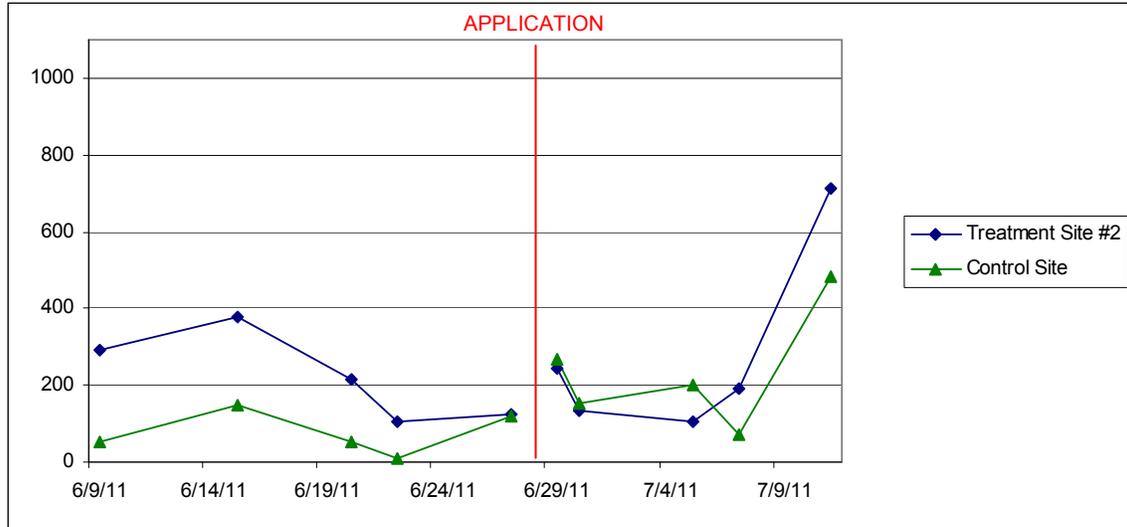
The final application at treatment site #2, conducted on June 28<sup>th</sup>, again resulted in a decreasing collection trend for several evenings (Figure 4).

The control site showed an earlier increase than the treatment site, although collections from both areas eventually began to imitate one

another. Collections indicate that the eventual post-application increase in collection numbers at both sites was

primarily the result of *Coquillettidia perturbans* emergence.

Figure 4: Collection Comparison for Treatment Site #2 and Control Site



## DISCUSSION

Often efficacy studies of ULV applications will use caged mosquitoes instead of field populations. This study design has several advantages, but may not accurately represent the reality of actual applications in the field. Caged mosquitoes can gauge the effectiveness of the adulticide product and spray equipment very well, but may not be representative of that particular adulticide program. For instance, our residential trials using field populations will be significantly impacted by adverse meteorological conditions present at the time of application. Other potential factors that will impact our residential field trials include irregular road design, heavy vegetation, residential obstructions, and migration of neighboring mosquitoes. Many of these issues unique to field

trials using natural mosquito population were present to varying degrees in this study.

The trials of this study showed that control was achieved for a few nights before the mosquito populations returned to pre-application levels. This reinforces previous findings by CMMCP, and also Mount (1998), who found that initial control was achieved, but populations began to return to pretreatment levels two days post-treatment. It was believed that this rebound was due primarily to quick repopulation of area and as well as some meteorological conditions (Mount 1998).

Indications are that the findings in this study were primarily the result of repopulation by neighboring mosquito populations. This migration of local mosquitoes was facilitated through the localized

nature of target areas, as well as the low residual quality and quick decomposition of ANVIL® 10+10 (Lesser 1998). This product characteristic permits a quicker mosquito repopulation, whereas chemicals used in barrier treatments would not, due to their increased persistence after application. The various designs of local road networks may not have facilitated greater penetration of the insecticide into vegetated areas, even if the application areas were expanded. Ideally, if applications could have been made in an area with a grid design street layout, control could have been improved. Most of these locations also contained at least moderate vegetative barriers, which could have impacted the results.

In conclusion, it is not believed that a significant change in procedure is needed at this time. If any modification to current protocol were to be proposed, it would be a low increase in product flow rate. This operational change would enhance control, especially in heavy vegetative cover and during suboptimal weather conditions, while still being well within the allowable application rates. Applications in unsuitable conditions will result in lower levels of control, wasting costly product and increasing the possibility of environmental impact. For these reasons technicians need to constantly monitor conditions in the field both before and during applications. The control achieved in this study's field trials was reflective of the various conditions present at the times of application. Improved field conditions during future

applications would likely result in longer control than was observed in this study.

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# SATISFACTION SURVEY OF SERVICE REQUESTS IN THE CENTRAL MASSACHUSETTS MOSQUITO CONTROL PROJECT SERVICE AREA – 2011

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## ABSTRACT

Member residents request assistance from the menu of services offered to them by CMMCP. Requests for adulticiding (spraying) and larval control are the most common forms of service requests we receive. We accept these requests through a variety of means, primarily by telephone, but increasing more by the online service request form from the CMMCP website. Additional methods include personal visits to our office, phone calls on behalf of residents from town and/or state officials, and direct requests to our field staff. The CMMCP Commission requested a survey of resident who received service in 2011 to determine if our staff was meeting acceptable levels of customer satisfaction. This is the same survey that was done in 2005-2010 (excluding 2006). After compiling these results, we find that a majority of residents in our service area were satisfied with our control efforts and methods, which mirrors our results from previous years.

## SURVEY METHODOLOGY

In 2011 we received 14,731 requests for service, ranging from adulticiding to larval control, a 32.5% increase in service requests from 2010. 9,265 adulticiding calls were filtered (multiples removed) and placed into a separate database. Service calls were sorted according to town, and each town was tabulated for total requests received in 2011. These towns were then graphed to show which towns had the most calls. Each town was assigned a percentage according to this data. This percentage would determine the number of postcards sent to each town from the overall total. The CMMCP Commission decided that 1,500 postcards would be a representative sample of the service calls received this year (this is an increase of 500 over the first 3 surveys but the same as 2009 & 2010). The survey was designed to be as easy as possible for residents to access and complete. An online survey was created through SurveyMonkey®, and the postcards would include unique identifiers that the residents would use. The postcards contained a blind weblink to the survey so that uninvited users would not be able to participate in the survey. Information such as how they contacted us, were the office and field staff helpful and informative, how long did they wait for service, was the service provided effective, and their overall satisfaction was measured. This study uses the same methodology as all previous resident surveys.

## SURVEY FINDINGS

From 1,500 postcards mailed, 251 responses were received (17%). The results are outlined in this report.

### 1). In your most recent experience, how did you contact the Central Mass. Mosquito Control Project?

	Number	Percent
Telephone	115	46.18%
Website	114	45.78%
In person	1	0.40%
Other	19	7.63%
Total	249	

Comments: the website compares closely to the phone system as the most popular method of reaching our staff.

### 2). If by telephone or in person at the CMMCP office, were your questions or concerns answered to your satisfaction?

	Number	Percent
Yes	125	93.28%
No	9	6.72%
Total	134	

Comments: communication from the operators of the telephone system is clear and effective.

**3). If by telephone, did you experience difficulty reaching our staff?**

	Number	Percent
Yes	13	10.16%
No	115	89.84%
Total	128	

Comments: nearly 90% of residents polled did not experience any problems reaching our staff through the current system.

**4). If through the website or e-mail, did you find the information you needed in a satisfactory manner?**

	Number	Percent
Yes	157	96.91%
No	5	3.09%
Total	162	

Comments: nearly all respondents found the information they required on the website without difficulty.

**5). Please give the approximate time you waited for service from your initial request:**

	Number	Percent
1-3 days	62	25.20%
3-5 days	72	29.27%
1 week	69	28.05%
2 weeks+	43	17.48%
Total	246	

Comments: 82.52% were serviced within one week or less.

**6). Did you find our response from your initial request to when you received service within a reasonable amount of time?**

	Number	Percent
Yes	234	94.35%
No	14	5.65%
Total	248	

Comments: a majority thought that the response time was reasonable.

**7). When you received service, did our field representative appear knowledgeable and competent about his/her profession?**

	Number	Percent
Yes	212	91.38%
No	20	8.62%
Total	232	

Comments: Our staff projects a positive and professional image to the public. Of the respondents that said no, many stated they did not speak to a rep. from CMMCP

**8). Were your questions and concerns answered by the Technician to your satisfaction?**

	Number	Percent
Yes	209	94.57%
No	12	5.43%
Total	221	

Comments: most residents polled thought our Technicians answered their questions to their satisfaction.

**9). Did you receive any written information (pamphlets, etc.) from our representative?**

	Number	Percent
Yes	194	80.17%
No	48	19.83%
Total	242	

Comments: more residents are receiving our written information and this number has improved from year to year.

**10). Did you find this information useful?**

	Number	Percent
Yes	190	95%
No	10	5%
Total	200	

Comments: our written PR material is useful to residents when they receive it.

**11). Did you request service more than once in 2011?**

	Number	Percent
Yes	117	47.37%
No	130	52.63%
Total	247	

Comments: less than 1/2 of our service calls are repeat calls according to the residents polled.

**12). If you requested additional service in 2011, was it because the original application was insufficient to meet your needs, or for a later re-treatment or follow up?**

	Number	Percent
Retreatment	102	79.69%
Insufficient	26	20.31%
Total	128	

Comments: over 3/4 of our repeat calls are for additional service, not because the first application didn't meet their needs.

**13). Would you/did you recommend our service to others in the future?**

	Number	Percent
Yes	240	97.56%
No	6	2.44%
Total	246	

Comments: nearly all residents polled would recommend our services to others.

**14). In your opinion, did our application made your area better, worse, or had no effect?**

	Number	Percent
Better	199	75.95%
Worse	0	0%
No Effect	44	16.79%
Total	262	

Comments: nearly all residents received relief from mosquitoes.

**15). If you think your area improved, can you give an approximate length of time you experienced relief from mosquito annoyance?**

	Number	Percent
1-3 days	30	15.23%
3-5 days	22	11.17%
1 week	54	27.41%
2 weeks+	91	46.19%
Total	197	

Comments: over 2/3 of residents polled reported relief of 1 week or more, nearly half report greater than 2 weeks of relief.

16). On average, our services cost \$2.00 – \$4.00 per person each year (withheld from local aid rec'd from the State). In your opinion, is this amount too high, too low, or sufficient?

	Number	Percent
Sufficient	184	79.65%
Too Low	45	19.48%
Too High	2	0.87%
Total	231	

Comments: most residents are satisfied with the assessments paid from local taxes for our services.

17). In which month or months do you recall receiving service?

	Number	Percent
May	33	13%
June	70	27.6%
July	63	24.8%
August	15	5.9%
More than 1	73	28.7%
Total	254	

18). Overall, are you happy with the service provided this year by CMMCP?

	Number	Percent
Yes	220	90.16%
No	24	9.84%
Total	244	

Comments: 9 out of 10 residents were happy with the services provided by CMMCP in 2011.

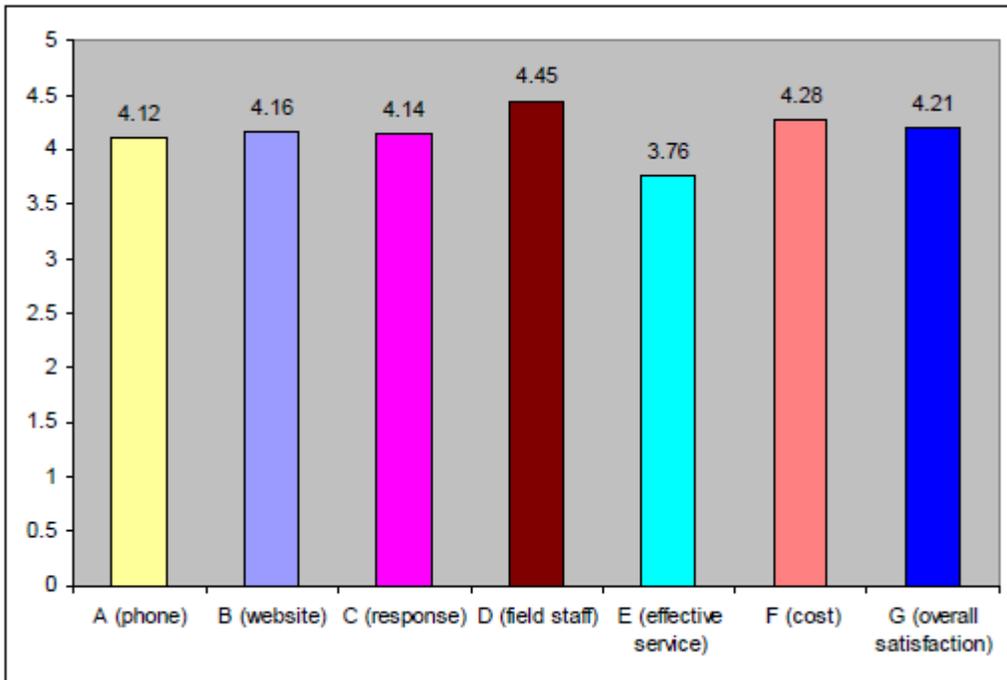
19). Do you plan on using our service again in the future?

	Number	Percent
Yes	246	98.8%
No	3	1.2%
Total	249	

Comments: nearly all residents that used our service will do so again in the future.

Please rate our performance for 2011 from 0 to 5, where 5 is the best rating, 0 is the worst rating:

QUESTION	POINTS	AVERAGE
The information you received over the phone was informative & helpful	548 points from 665 (133 respondents)	4.12 average from 5
The information on our website is easily available and helpful	711 points from 855 (171 respondents)	4.16 average from 5
The response time for service is reasonable	1,010 points out of 1,220 (244 respondents)	4.14 average from 5
Our field staff that responded is knowledgeable and competent	1,001 points out of 1,125 (225 respondents)	4.45 average from 5
The service provided was effective	898 points out of 1,195 (239 respondents)	3.76 average from 5
This service is reasonable compared to the cost	817 points out of 955 (191 respondents)	4.28 average from 5
Please rate your overall satisfaction with the service received in 2009	1,010 points out of 1,200 (240 respondents)	4.21 average from 5
<b>Total satisfaction rating: 5,995 points out of 7,215 possible – 4.16 average</b>		
<b>1,443 total responses</b>		



## CONCLUSION

Overall satisfaction was 90.16%, and 98.8% would use our services again in the future. Answers to question #9 shows a marked increase over past years in regards to residents receiving public relations materials. This survey also documents the increase in website usage to register requests.

Overall this survey shows high satisfaction amongst the respondents, but some ratings were slightly lower than in past surveys. This may be due to a higher volume of service requests early in the season resulting in extended waits for service, and above average rainfall in August and September that resulted in a late season emergence of relood mosquitoes. Night time temperatures late in the season did not allow extended spray operations despite the overall population of mosquitoes in many areas.

A full color .pdf copy of this report is available at this link: [http://www.cmmcp.org/2011\\_survey\\_report.pdf](http://www.cmmcp.org/2011_survey_report.pdf)

# SATISFACTION SURVEY OF SERVICE REQUESTS IN THE CENTRAL MASSACHUSETTS MOSQUITO CONTROL PROJECT SERVICE AREA 5 YEAR ANALYSIS

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## ABSTRACT

Member residents request assistance from the menu of services offered to them by CMMCP. Requests for adulticiding (spraying) and larval control are the most common forms of service requests we receive. We accept these requests through a variety of means, primarily by telephone, but increasing more by the online service request form on the CMMCP website. Additional methods include personal visits to our office, phone calls on behalf of residents from town and/or state officials, and direct requests to our field staff. The CMMCP Commission requests a survey of residents who receive service each year to determine if our staff are meeting acceptable levels of customer satisfaction. This survey has been done in 2005, 2007, 2008, 2009 and 2010. The following is a 5 year analysis of these annual responses. After compiling these results, we find that a majority of residents in our service area were satisfied with our control efforts and methods, which mirrors our results from previous years.

## SURVEY METHODOLOGY

For the 5 years of this analysis, we received 53,847 requests for service, ranging from adulticiding to larval control. 31,912 adulticiding calls were filtered (multiples removed) and placed into a separate database. Service calls were sorted according to town, and each town was tabulated for total requests received. These towns were then graphed to show which towns had the most calls. Each town was assigned a percentage according to this data. This percentage would determine the number of postcards sent to each town from the overall total. 6,000 postcards were sent to residents in the 5 years of this study. The survey was designed to be as easy as possible for residents to access and complete. An online survey was created through SurveyMonkey®, and the postcards would include unique identifiers that the residents would use. The postcards contained a blind weblink to the survey so that unauthorized users would not be able to participate. Information such as how they contacted us, were the office and field staff helpful and informative, how long did they wait for service, was the service provided effective, and their overall satisfaction was measured. This study uses the same methodology as all previous resident surveys.

## SURVEY FINDINGS

From 6,000 postcards mailed, 1,260 responses were received (21%). The results are as follows:

### 1). In your most recent experience, how did you contact the Central Mass. Mosquito Control Project?

	Number	Percent
Telephone	739	59.5%
Website	463	37.3%
In person	13	1.0%
Other	27	2.2%
Total	1,242	

### 2). If by telephone or in person at the CMMCP office, were your questions or concerns answered to your satisfaction?

	Number	Percent
Yes	766	98.7%
No	10	1.3%
Total	776	

**3). If by telephone, did you experience difficulty reaching our staff?**

	Number	Percent
Yes	89	11.6%
No	679	88.4%
Total	768	

**4). If through the website or e-mail, did you find the information you needed in a satisfactory manner?**

	Number	Percent
Yes	561	97.7%
No	13	2.3%
Total	574	

**5). Please give the approximate time you waited for service from your initial request:**

NOTE: 88.5% within a week or less

	Number	Percent
1-3 days	447	36.0%
3-5 days	317	25.6%
1 week	333	26.9%
2 weeks+	143	11.5%
Total	1,240	

**6). Did you find our response from your initial request to when you received service within a reasonable amount of time?**

	Number	Percent
Yes	1,168	94.3%
No	70	5.7%
Total	1,238	

**7). When you received service, did our field representative appear knowledgeable and competent about his/her profession?**

	Number	Percent
Yes	871	92.0%
No	76	8.0%
Total	947	

**8). Were your questions and concerns answered by the Technician to your satisfaction?**

	Number	Percent
Yes	1,061	93.2%
No	78	6.8%
Total	1,139	

**9). Did you receive any written information (pamphlets, etc.) from our representative?**

	Number	Percent
Yes	741	60.9%
No	476	39.1%
Total	1,217	

**10). Did you find this information useful?**

	Number	Percent
Yes	658	94.3%
No	40	5.7%
Total	698	

**11). Did you request service more than once?**

	Number	Percent
Yes	519	41.8%
No	721	58.1%
Total	1,240	

**12). If you requested additional service, was it because the original application was insufficient to meet your needs, or for a later re-treatment or follow up?**

	Number	Percent
Retreatment	476	79.5%
Insufficient	123	20.5%
Total	599	

**13). Would you/did you recommend our service to others in the future?**

	Number	Percent
Yes	1,205	97.4%
No	32	2.6%
Total	1,237	

**14). In your opinion, did our application made your area better, worse, or had no effect?**

	Number	Percent
Better	1,059	86.3%
Worse	1	0.1%
No Effect	168	13.7%
Total	1,227	

**15). If you think your area improved, can you give an approximate length of time you experienced relief from mosquito annoyance?**

	Number	Percent
1-3 days	156	15.2%
3-5 days	161	15.7%
1 week	224	21.8%
2 weeks+	486	47.3%
Total	1,027	

NOTE: nearly half report more than 2 weeks of relief

**16). On average, our services cost \$2.00 – \$4.00 per person each year (withheld from local aid rec'd from the State). In your opinion, is this amount too high, too low, or sufficient?**

	Number	Percent
Sufficient	970	81.0%
Too Low	208	17.4%
Too High	20	1.7%
Total	251	

**17). In which month or months do you recall receiving service?**

	Number	Percent
June	340	28.8%
July	365	30.9%
August	155	13.1%
More than 1	320	27.1%
Total	1,180	

**18). Overall, are you happy with the service provided by CMMCP?**

	Number	Percent
Yes	1,138	92.4%
No	94	7.6%
Total	260	

**19). Do you plan on using our service again in the future?**

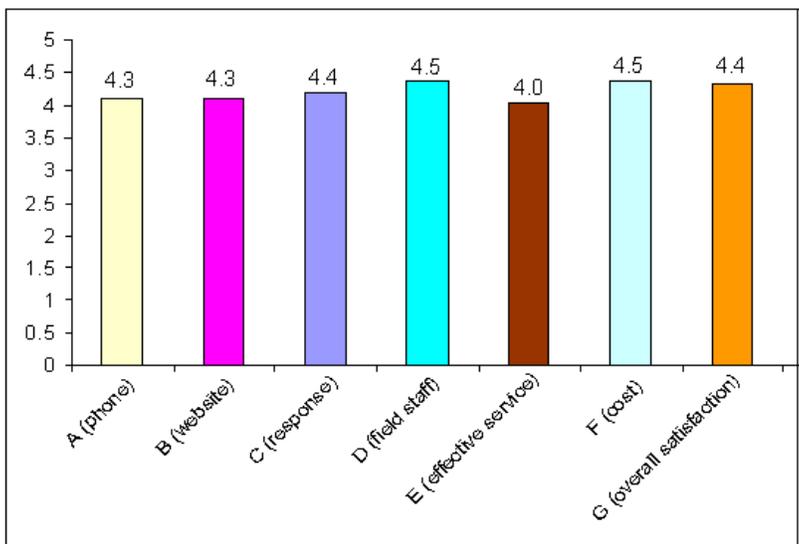
	Number	Percent
Yes	1,211	98.5%
No	19	1.5%
Total	1,230	

**Please rate our performance for 2010 from 0 to 5, where 5 is the best rating, 0 is the worst rating:**

QUESTION	AVERAGE
The information you received over the phone was informative & helpful	4.3 average from 5
The information on our website is easily available and helpful	4.3 average from 5
The response time for service is reasonable	4.4 average from 5
Our field staff that responded is knowledgeable and competent	4.5 average from 5
The service provided was effective	4.0 average from 5
This service is reasonable compared to the cost	4.5 average from 5
Please rate your overall satisfaction with the service received	4.4 average from 5

**CONCLUSION**

Overall satisfaction was 92.4%, and 98.5% would use our services again in the future. Overall this survey shows high satisfaction amongst the respondents and general efficacy of our products and procedures.



TOWN OF CLINTON

<u>DATE</u>	<u>WORK DONE</u>	<u>LOCATION</u>
01-31-11	Administrative	GPS Co-Ordinates: Beacon Street, Chase Street, Clam Shell Road, Bourne Street
03-10-11	Stream Cleaning 10'	Berlin Road
	Stream Cleaning 20'	Berlin Road
	Stream Cleaning 40'	Lancaster Road
	Stream Cleaning 50'	Rigby Lane
	Stream Cleaning 30'	Wilkate Place
	Stream Cleaning 60'	John Street
	Stream Cleaning 100'	Fairview Street
	Culvert Cleaning (20)	Willow Road, Berlin Road, Fox Run Drive, Lancaster Road, Brendan Road, Craig Road, Main Street, Rigby Lane, Wilkate Place, Fitch Road, West Boylston Street, John Street, Fairview Street
03-24-11	Larval Survey	Allen Street, Eileen Avenue, Wilkate Place, Sprague Road, Boylston Street, Coyne Street, Woodland Circle
	Stream Survey	High Street
03-31-11	Public Relations	High Street
	Stream Survey	High Street
04-08-11	Larval Survey	Boylston Street, Sprucewood Lane, Woodland Circle, Berlin Street, West Ledge Road, Town Line Apartments, Candice Street
	Larviciding	Boylston Street, Berlin Street, Woodland Circle, Cherrywood Lane, Coyne Street
04-14-11	Trap Site Set Up	Allen Street, Berlin Street
04-19-11	Larval Survey	Main Street, Allen Street, Brook Street, Myrtle Street, Lawrence Street, Adams Road, West Boylston Street, South Meadow Road
	Larviciding	Allen Street
04-28-11	Public Relations	Berlin Street
	Larviciding	Berlin Street
05-02-11	Larval Survey	Wilkate Place, Fitch Road, Woodland Street, Rigby Road, Green Street, Water Street, Webster Street, Chase Street, Colonial Drive, Horseshoe Lane, Fox Run Drive, Ridgefield Circle, Eileen Avenue
	Larviciding	Wilkate Place, Rigby Road, Chase Street
05-11-11	Administrative Contact	Board of Health
	Public Relations	Nathan Drive
	Stream Cleaning 15'	Town Line Apartments
	Culvert Cleaning (1)	Town Line Apartments
	Larval Survey	Nathan Drive, Boylston Street, Willow Road, Berlin Street, Woodland Circle, Cherrywood Lane, Sprucewood Lane, Woodland Circle, Berlin Street, West Ridge Road, Berlin Street, Coyne Street
	Larviciding	Berlin Street
05-19-11	Larval Survey	Wilkate Place, Fitch Road, Woodlawn Street, Rigby Road, South Meadow Road, Colonial Drive, Horseshoe Lane, Fox Run Drive, Ridgefield Circle, Eileen Avenue, Green Street, Water Street
05-27-11	Set Up Trap	Allen Street
05-31-11	Administration	Police Department
	Public Relations	Fitch Road, Stone Bridge Circle, Nathan Drive, Lancaster Road, Oak Hill Avenue, Wilson Street, Berlin Street, Clinton Street, Lindberg Street
	Adulticiding	Fitch Road, Stone Bridge Circle, Nathan Drive, Lancaster Road, Oak Hill Avenue, Wilson Street, Berlin Street, Clinton Street, Lindberg Street
	Set Up Trap	Allen Street
06-01-11	Pick Up Trap	Allen Street
06-06-11	Adulticiding	Ridgefield Circle
06-08-11	Set Up Trap	Berlin Street
06-09-11	Pick Up Trap	Berlin Street
06-13-11	Administrative Contact	Police Department
	Public Relations	Craig Drive, Nathan Drive, Woodruff Road, Horseshoe Lane, Bolton Road, Elm Street, East Street, Sprague Road, Wilson Street, Berlin Street
	Adulticiding	Craig Drive, Nathan Drive, Woodruff Road, Horseshoe Lane, Bolton Road, Elm Street, East Street, Sprague Road, Wilson Street, Berlin Street

TOWN OF CLINTON

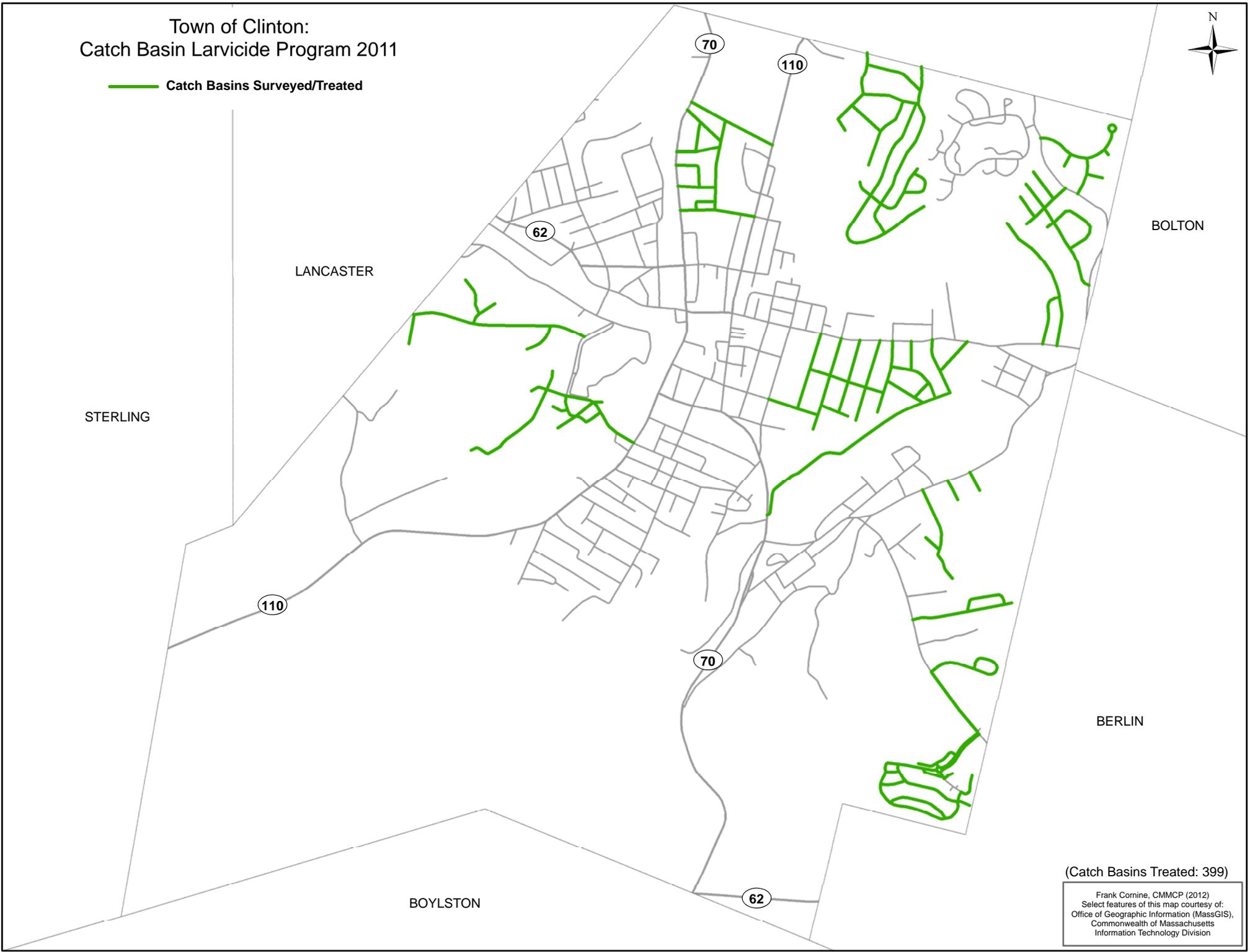
<u>DATE</u>	<u>WORK DONE</u>	<u>LOCATION</u>
06-14-11	Set Up Trap	Allen Street
06-15-11	Pick Up Trap	Allen Street
06-22-11	Set Up Trap	Berlin Street
06-23-11	Pick Up Trap	Berlin Street
06-27-11	Administrative Contact Public Relations	Police Department East Street, Nathan Drive, JFK Avenue, Brendan Road, Mt. View Drive, Oak Ridge Drive
	Adulticiding	East Street, Nathan Drive, JFK Avenue, Brendan Road, Mt. View Drive, Oak Ridge Drive
06-28-11	Set Up Trap	Allen Street
06-29-11	Pick Up Trap	Allen Street
07-05-06	Administrative Contact Public Relations	Police Department Wilson Street, Robert Street, Webster Street Extension, Woodruff Road, Milton Avenue, Megan Circle, Stone Street, Harkins Street, Sprague Road
	Adulticiding	Wilson Street, Robert Street, Webster Street Extension, Woodruff Road, Milton Avenue, Megan Circle, Stone Street, Harkins Street, Sprague Road
07-06-11	Set Up Trap	Berlin Street
07-07-11	Pick Up Trap	Berlin Street
07-12-11	Set Up Trap	Allen Street
07-13-11	Pick Up Trap	Allen Street
07-18-11	Administrative Contact Public Relations	Police Department, Board Of Health Fairmont Street, Skyline Drive, Dennis Street, South Meadow Road, Willow Street, East Street, Elm Street, Mt. View Drive, Fox Run Drive, Nathan Drive, Megan Circle
	Adulticiding	Fairmont Street, Skyline Drive, Dennis Street, South Meadow Road, Willow Street, East Street, Elm Street, Mt. View Drive, Fox Run Drive, Nathan Drive, Megan Circle
	Catch Basin Larviciding [161]	Eileen Avenue, Megan Circle, Craig Drive, Brendan Road, JFK Avenue, Hillside Avenue, Nathan Drive, McMahan Avenue, Walden Terrace, Bobcat Lane, Deer Run Circle, Bear Path, Pheasant Lane, Lorraine Avenue, Otis Street, Lincoln Street, Kent Street, Colonial Drive, Horseshoe Lane
07-20-11	Set Up Trap	Berlin Street
07-21-11	Pick Up Trap	Berlin Street
07-25-11	Administrative Contact Public Relations	Police Department Mount View Drive, JFK Avenue, East Street, Sprague Road, Chestnut Street, Wilson Street
	Adulticiding	Mount View Drive, JFK Avenue, East Street, Sprague Road, Chestnut Street, Wilson Street
	Catch Basin Larviciding [127]	Woodland Circle, Briarwood Lane, Candlewood Lane, Kenwood Lane, Hazelwood Way, Ledgewood Way, Devonwood Way, Sprucewood Lane, Linwood Court, Mount View Drive, Blossom Street, Allen Street, Stowe Street, Fuller Street, Olive Street, Martin Street, Roma Street, Laurel Street, Plain Street, Goss Street
07-26-11	Set Up Trap	Allen Street
07-27-11	Pick Up Trap	Allen Street
08-01-11	Administrative Contact Public Relations	Police Department South Meadow Road, East Street, JFK Avenue
	Adulticiding	South Meadow Road, East Street, JFK Avenue
08-03-11	Set Up Trap	Berlin Street
08-04-11	Pick Up Trap	Berlin Street
08-08-11	Administrative Contact Public Relations	Police Department Nathan Drive, Megan Circle, East Street, Willow Street, Skyline Drive
	Adulticiding	Nathan Drive, Megan Circle, East Street, Willow Street, Skyline Drive
08-09-11	Set Up Trap	Allen Street
08-10-11	Pick Up Trap	Allen Street
08-15-11	Administrative Contact Public Relations	Police Department East Street, McMahan Avenue, Nathan Drive
08-16-11	Set Up Trap	Berlin Street
08-17-11	Pick Up Trap	Berlin Street

TOWN OF CLINTON

<u>DATE</u>	<u>WORK DONE</u>	<u>LOCATION</u>
08-22-11	Administrative Contact Public Relations Adulticiding Larviciding Larval Survey	Police Department, Board of Health East Street, JFK Avenue, Nathan Drive, McMahon Avenue East Street, JFK Avenue, Nathan Drive, McMahon Avenue South Meadow Road South Meadow Road, Fitch Road, Wilkate Place, Rigby Road, Horseshoe Lane, Fox Run Drive, Ridgefield Circle
08-23-11	Set Up Trap	Allen Street
08-24-11	Pick Up Trap	Allen Street
8-29-11	Administrative Contact Public Relations Adulticiding Catch Basin Larviciding [777]	Police Department Milton Avenue, Willow Street, South Meadow Road Milton Avenue, Willow Street, South Meadow road Stonebridge Circle, Fitch Road, Wilkate Place, Lydia Lane, Lakeside Avenue, Pine Street, Rogers Field Way, Pine Street Extension, Harbor Street, New Harbor Street, Kittredge Place, Woodlawn Street, Church Street, Cedar Street, Prescott Street, Orange Street, Beech Street, Birch Street, Haskell Avenue, Benefit Street, Larch Street, Spruce Street, Schley Street, Branch Street, Vale Street, Green Street, Bufton Farms Road, Francis Street, Webster Street, Robert Street, Robert Memorial Drive
08-31-11	Set Up Trap	Berlin Street, Bentas Place
09-01-11	Pick Up Trap	Berlin Street, Bentas Place
09-06-11	Administrative Contact Public Relations Set Up Trap	Police Department, Board of Health Nathan Drive Allen Street
09-07-11	Pick Up Trap	Allen Street
09-12-11	Administrative Contact Public Relations Adulticiding Larviciding Larval Survey	Police Department Elms Street, Nathan Drive Elms Street, Nathan Drive Woodland Circle Allen Street, Rigby Road, Berlin Street, Cherrywood Lane, Woodland Circle
09-14-11	Administrative Contact Set Up Trap	Board of Health Berlin Street
09-15-11	Pick Up Trap	Berlin Street
09-19-11	Administrative Contact Public Relations Adulticiding	Police Department Craig Drive, Eileen Avenue, Brendan Road, JFK Avenue, Milton Avenue Craig Drive, Eileen Avenue, Brendan Road, JFK Avenue, Milton Avenue
09-20-11	Administrative Contact Set Up Trap	Board of Health Allen Street
09-21-11	Pick Up Trap	Allen Street
09-28-11	Administrative Contact Set Up Trap	Board of Health Berlin Street
09-29-11	Pick Up Trap	Berlin Street
10-04-11	Set Up Trap	Allen Street
10-05-11	Pick Up Trap	Allen Street
10-12-11	Pick Up Trap Site	Allen Street
12-13-11	Stream Cleaning 470' Stream Cleaning 70' Stream Cleaning 300' Culvert Cleaning (9)	Rigby Lane Fox Run Berlin Road Rigby Lane, Rigby Road, Wilkate Place, John Street, Fox Run, Berlin Road
12-20-11	Stream Cleaning 60' Stream Cleaning 110' Stream Cleaning 75' Stream Cleaning 1000' Culvert Cleaning (11)	Berlin Street Lancaster Road Water Street Berlin Street Berlin Street, Lancaster Road, Brendan Road, Craig Drive, Allen Street, Water Street, Berlin Street
12-23-11	Stream Cleaning 30' Stream Cleaning 100' Stream Cleaning 20' Stream Cleaning 10' Culvert Cleaning (18)	Main Street Rigby Lane Rigby Road Willow Street Brook Street, Plain Street, Main Street, Adams Street, Rigby Lane, Wilkate Place, Fitch Road, South Meadow Road, West Boylston Street, Boylston Street, Willow Street

# Town of Clinton: Catch Basin Larvicide Program 2011

— Catch Basins Surveyed/Treated



(Catch Basins Treated: 399)

Frank Cornine, CMMCP (2012)  
Select features of this map courtesy of:  
Office of Geographic Information (MassGIS),  
Commonwealth of Massachusetts  
Information Technology Division

## 2011 SUMMARY

The Central Massachusetts Mosquito Control Project (the Project) currently provides its services to 39 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 Pest Management (IPM), 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 2011 the Project received fourteen thousand, seven hundred and thirty (14,730) requests for service from town residents and officials. Ten thousand, six hundred and seventy (10,670) pounds of Bti (*Bacillus thuringiensis israelensis*) was applied by helicopter over two thousand, one hundred and thirty-four (2,134) acres in 3 towns, Chelmsford, Billerica & Boxborough, and four thousand, four hundred and thirty-five (4,435) pounds by hand over eight hundred and eighty-seven (887) acres throughout our service area were applied to area wetlands to reduce the emergence of adult mosquitoes. This represents over three thousand and twenty-one (3,021) acres of wetland that was treated with this mosquito-specific bacterium, significantly reducing adult mosquito populations in these areas. Forty two thousand, eight hundred and twenty-three (42,823) 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. Two thousand, one hundred and fifty-five (2,155) 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 fifty-one thousand, six hundred and forty-one (151,641) feet of streams, brooks and ditches. This represents over twenty-eight (28) miles of waterways which were cleaned and improved by Project personnel in 2011.

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. In 2011, CMMCP laboratory personnel and other administrative staff made thirty-four (34) educational presentations before one thousand, four hundred and seventy-two (1,472) students in twelve (12) Elementary schools. CMMCP gave a presentation on our program to 12 Clarke University students in the Clarke Vector Ecology program and exhibited at four (4) health fairs. 2011 marked the start of the "CMMCP Mosquito Education Program for Seniors," in which presentations are conducted at local senior centers to increase mosquito-borne disease awareness. Three (3) presentations to ~35 senior citizens were conducted in 2011.

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. Nine hundred and twenty-four (924) pools (collections) of mosquitoes totaling twenty thousand, six hundred and seventy-two (20,672) specimens were tested for mosquito-borne viruses this year. Twenty-

five (25) collections were identified positive with mosquito-borne viruses, twenty-one (21) with West Nile Virus (WNV) and four (4) with Eastern Equine Encephalitis - details are available in the Medical Entomology report in this document. One (1) human case of WNV was identified in our service area in the city of Fitchburg. CMMCP lab personnel processed over two thousand collections of mosquitoes containing forty thousand, seven hundred and forty-five (40,745) individual specimens, representing twenty-five (25) mosquito species.

Some additional highlights from 2011:

- Resistance management study; no significant resistance to pyrethroids noted, no change recommended in adulticide material choice (see full report).
- Resident satisfaction survey: conclusion; overall satisfaction with the adulticide program was 90.16%, 98.8% plan to use our services again (see full report).
- We have been awarded PESP status by the US EPA again this year. The Pesticide Environmental Stewardship Program (PESP) is a voluntary program that forms partnerships between the EPA and pesticide users to reduce the potential health and environmental risks that may be associated with pesticide use.
- CMMCP now participates in the EPA's WasteWise program, tracking our source reduction (tire recycling) efforts.
- CMMCP was awarded the BRONZE award in the non-profit category from MassRecycle for our tire recycling program.

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.

For Earth Day 2010, CMMCP officially announced a tire recycling program added as a value added service to our member cities and towns. This program operates under grant monies received and the CMMCP operating budget. Tire piles provide suitable areas for larval mosquito development, including those species known to carry West Nile virus. During the course of one season, the potential exists for hundreds or even thousands of mosquitoes to emerge from just one tire. We collected a total of two thousand, three hundred and thirty-seven (2,337) tires over fifty-two (42) collection dates in nineteen (19) member cities and towns. Collections will continue as time and resources allow.

We would like to thank you for your support during 2011 and we look forward to helping you and your community with its mosquito problems in 2012 and beyond.

Respectfully submitted,

Timothy D. Deschamps, Executive Director

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