

AGENDA

1001st MEETING OF THE BOARD OF TRUSTEES OF THE ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT

SEPTEMBER 11, 2013

TIME: 5:00 P.M.
PLACE: Office of the District, 23187 Connecticut Street, Hayward
TRUSTEES: Jim Prola, President, City of San Leandro
Barbara Halliday, Vice-President, City of Hayward
Ryan Clausnitzer, Secretary, City of Alameda
Dennis Bray, County-at-large
Elizabeth Anders, City of Oakland
City of Pleasanton, vacant
James N. Doggett, City of Livermore
Jim Golden, City of Emeryville
Richard Guarienti, City of Dublin
Denny McLeod, City of Piedmont
Ronald Quinn, City of Union City
William M. Spinola, City of Newark
Jan O. Washburn, City of Berkeley
George Young, City of Fremont

There will be a meeting of the Finance/Capital Planning Committee at 4:00 PM immediately before the regularly scheduled Board Meeting.

The General Board Meeting will begin at 5:00 PM

1. Call to order.
2. Roll call.
3. Closed Session – Personnel. The Board will meet in closed session to discuss personnel matters [Authority: Government Code section 11126(a)]
4. President Prola invites any member of the public to speak at this time on any issue relevant to the District. (Each individual is limited to five minutes)
5. Approval of the minutes of the 1000th meeting August 14, 2013. (Board action required)
6. Review of the warrants dated August 15, 2013 numbering 006314 through 008914 amounting to \$100,478.79 and warrants dated August 31, 2013 numbering 009014 through 011814 amounting to \$101,983.30. (Information only)
7. Review of Account Balances (Information only)
8. Report from committees: Finance / Capital Planning committee will report on progress on designating reserves.
9. Presentation of Monthly Operational Report for August 2013. (Information only)
10. Manager's Report for August 2013. (Information only unless otherwise noted)
 - a) California Special District Association Annual Conference Sept 16-19 Monterey

- b) CalPERS Educational Forum October 21-23 San Jose
 - c) Mosquito and Vector Control Association of California – Quarterly Meeting October 23-25 Monterey
 - d) *Aedes aegypti* in California – update on spread to San Mateo County
 - e) Meetings and Presentations
11. President Prola asks trustees for items to be added to the agenda for the next Board meeting.
(Information only)
 12. Reports on conferences and seminars attended by Trustees.
 13. Announcements from members of the Board. (Information only.)
 14. Adjournment.

CITIZENS ATTENDING THE MEETING MAY SPEAK ON ANY AGENDA ITEM AT THEIR REQUEST!

Please Note: A copy of this agenda is also available at the District website, www.mosquitoes.org or via email by request. Alternative formats of this agenda can be made available for persons with disabilities. Please contact the district office at (510) 783-7744, via FAX (510) 783-3903 or email at acmad@mosquitoes.org to request an alternative format.

Alameda County Mosquito Abatement District

BOARD OF TRUSTEES

*Jim Prola, President
Barbara Halliday, Vice-President
Ryan Clausnitzer, Secretary
Elizabeth Anders
Dennis Bray
James N. Doggett
Jim Golden
Richard Guarienti
Denny McLeod
Ronald E. Quinn
William M. Spinola
Jan O. Washburn
George Young*

Chindi Peavey Ph.D
District Manager
cpeavey@mosquitoes.org

Manager's Report September 11, 2013

A. California Special District Association

1. The local chapter of the California Special Districts Association will meet on September 11 at 8:00 AM at the office of the Zone 7 Water Agency in Livermore. The guest speaker will be Paul Sethy of the Alameda County Water District speaking on Issues Concerning Alameda Creek Water Shed
2. The Annual Conference of the CSDA will occur on Sept 21-27 in Monterey. District Manager Chindi Peavey and Richard Guarienti will attend.

B. CalPERS Educational Forum. This will occur in San Jose on October 21-23. District manager Chindi Peavey will attend to obtain updated information on the District's pension plan.

C. Mosquito and Vector Control Association of California. The Fall quarterly meeting will be held on October 23-25 in Monterey, California. This meeting primarily consists of discussions by the association's committees on association business. However, there is also a trustee training session on Wednesday afternoon from 2:00 PM to 3:00 PM on governance which may be of interest to new trustees. Please contact me for further information if you are interested in attending.

D. Aedes aegypti in California –

1. This mosquito is now present in 3 counties in California (Madera, Fresno, and San Mateo)
2. Alameda County MAD staff visited Madera County on August 13-14 to learn about detection and control methods in use there. While there, they met with Manuel Amador, an expert on Ae. aegypti and Dengue virus from the Centers for Disease Control (CDC), Dengue Branch, San Juan, Puerto Rico. The CDC has generously provided 20 of the newly developed Autocidal Gravid Ovitrap (AGO) to the district for its surveillance program. The traps arrived on August 30 and will be deployed this month along with standard oviposition cups.
3. Ae. aegypti was detected through oviposition cups placed in a cemetery in San Mateo County in August. Door to door surveillance efforts have detected

larvae developing in containers in backyards at 3 locations around the cemetery. ACMAD staff are participating in weekly conference calls with regional mosquito control agencies to receive regular updates on the status of this mosquito in California.

D. Meetings and presentations

1. August 16 - Met with Coastal Region District Managers to discuss the Draft Biological Opinion on mosquito control work in San Pablo Bay National Wildlife Refuge. The USFW is currently working on a similar document for the refuge complex in the southern section of San Francisco Bay.
2. August 21 – Conference call on Coastal Region Programmatic Environmental Impact Report.
3. August 22 – Met with Steven Jones, Central District Director for County Supervisor Wilma Chan’s office to provide an update on District activities.
4. August 27 – Presentation with Trustee Ron Quinn to City Council of Union City
5. August 27- Conference call with Coastal Region Districts on [Aedes aegypti](#).
6. August 29 – Met with San Francisco Environmental Health to provide assistance and answer questions regarding mosquito control in storm drains and other urban sources.
7. October 1 – Presentation to Dublin City Council
8. October 7 – Presentation to Piedmont City Council
9. October 15 – Presentation to Fremont City Council
10. November 5 – Presentation to Alameda City Council

MINUTES
**1000th MEETING OF THE BOARD OF TRUSTEES
OF THE ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT**
AUGUST 14, 2013
TIME: 5:00 P.M.

PLACE: Office of the District, 23187 Connecticut Street, Hayward
TRUSTEES: Jim Prola, President, City of San Leandro
Barbara Halliday, Vice-President, City of Hayward
Ryan Clausnitzer, Secretary, City of Alameda
Dennis Bray, County-at-large
Elizabeth Anders, City of Oakland
City of Pleasanton, vacant
James N. Doggett, City of Livermore
Jim Golden, City of Emeryville
Richard Guarienti, City of Dublin
Denny McLeod, City of Piedmont
Ronald Quinn, City of Union City
William M. Spinola, City of Newark
Jan O. Washburn, City of Berkeley
George Young, City of Fremont

Vice President Barbara Halliday called the Regularly Scheduled Board meeting to order at 5:00 p.m.

Ten board members were present. Absent from the meeting were Trustees Clausnitzer, Doggett, and Prola.

Vice President Halliday invited members of the public to speak on issues relevant to the public, No members of the public were present.

The Board entered closed session.

The Board came out of closed session

Vice president Halliday reported out from closed session that a committee had been appointee to hear an employee appeal. The committee consists of Trustees Spinola, Golden, Bray and Halliday. The committee will hear the appeal on August 20 at 10:00 AM at the District office.

The minutes of the 999th meeting held July 10, 2013 were reviewed and approved (Golden / Washburn unanimous.)

The Board discussed the disposal of two surplus trailers, a car hauler and a trailer formerly used to transport a tractor. The Board authorized the sale of the car hauler trailer. It will be advertised on Craigslist and sold to the highest bidder. The Board discussed and approved donating the second trailer (the tractor transporter) to the East Bay Regional Park District, another government agency which has been storing the trailer and has assisted the District on many occasions in the past (Washburn/Bray, unanimous.)

The Board reviewed warrants dated July 15, 2013 numbering 000114 through 002814 amounting to \$109,986.37 and warrants dated July 31, 2013 numbering 002914 through 006214 amounting to \$239,974.05. Trustee McLeod asked who had approved the warrants. District Manager Peavey responded that each set of warrants was reviewed and signed by herself and a board member in accordance with District policy. July 15 warrants were signed by trustee Jim Prola and July 31 warrants were signed by trustee Dennis Bray.

The Board Reviewed the Account Balances for July 2013 (Information only.)

The Board discussed dates for committee meetings. It was agreed that the three committees would meet before the general Board Meeting and rotate their meetings so that only one committee would meet before each regular Board Meeting. The Finance / Capital Planning Committee is scheduled to meet on September 11, at 4:00 PM before the regularly scheduled Board meeting and it will discuss the designation of the District's reserves. The Policy Committee will meet on October 9 at 4:00 PM to discuss the District's internal controls, and the Energy and Environmental Conservation Committee will meet on November 13, before the November Board meeting. District Manager Chindi Peavey will forward background information to committee members before each meeting.

District Manager Chindi Peavey presented the Monthly Operational Report for July.

District Manager Chindi Peavey presented the Manager's report:

Trustee Richard Guarienti will attend the annual conference of the California Special District Association with Manager Peavey on September 16-19.

The District now has a monthly newsletter which Board members can distribute to their respective city council members to update them on District activities. Manager Peavey will send an e-mail to all trustees to determine the number of copies each trustee would like to receive at future meetings.

Vice President Halliday asked if there were any announcements from board members. There were no announcements.

Vice President Halliday asked if there were any items to add to agenda for the next Board meeting on September 11th. There were no requests for additional items to be placed on the agenda for September.

The meeting was adjourned at 6:00 PM.

Respectfully submitted,

Ryan Clausnitzer, Secretary

Approved as written and/or corrected
at the 1001th meeting of the Board of
Trustees held September 11, 2013

Jim Prola, President
BOARD OF TRUSTEES

**ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT
LIST OF WARRANTS DATED AUGUST 15, 2013.**

AGENDA ITEM 6

WAR NO	PAYEE	FOR	ACCT NO	AMT OF CHARGE	AMT OF WARRANT
006314	Dereje Alemayehu	Total salary less deduction for payroll	1011	2,447.50	
006314	Nick Appice	August 1 to August 15, 2013.	1011	1,323.84	
006314	John Busam	"	1011	2,598.24	
006314	Lyle C. Cain	"	1011	1,948.00	
006314	Neil Campbell	"	1011	2,636.89	
006314	Cardenas, Miguel	"	1011	1,999.53	
006314	Erika Castillo	"	1011	2,449.37	
006314	Robert Ferdan	"	1011	1,171.56	
006314	Kevin Huffstutler	"	1011	1,132.93	
006314	Joseph W. Huston	"	1011	2,804.92	
006314	Michelle Izumizaki	"	1011	2,449.91	
006314	Bruce A. Kirkpatrick	"	1011	3,150.48	
006314	Clarence C. Lam	"	1011	2,327.18	
006314	Gregory Leipzig	"	1011	2,338.03	
006314	Sharon S. Mead	"	1011	2,468.26	
006314	Chindi Peavey	"	1011	3,247.19	
006314	Gregory D. Wood	"	1011	2,718.68	
006314	IRS	Federal tax withheld (payroll)	1011	7,091.37	
		Medicare Tax Withheld (payroll)	1011	791.28	
		District Contribution to Medicare (payroll)	1311	791.26	
006314	State of California	State Tax withheld (payroll)	1011	2,338.64	50,225.06
006414	Public Employees' Retirement System	Employee Contributions	1011	14.00	
		Employee Paid Member Contributions	1011	3,782.23	
		Employer Contribution 11.604%	1211	6,269.81	10,066.04

**ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT
LIST OF WARRANTS DATED AUGUST 15, 2013.**

WAR NO	PAYEE	FOR	ACCT NO	AMT OF CHARGE	AMT OF WARRANT
006514	Aetna Life & Annuity	Employee Contributions	1011		150.00
006614	CALPERS 457 Plan	Employee Contributions - PERS 457	1011		4,193.00
006714	Delta Dental Plan	Monthly Premium	1411		4,624.38
006814	Vision Service Plan	Health premium	1411		788.84
006914	Adapco	Vectobac G, VLX Vectolex FG	3391		15,809.36
007014	Airgas	Dry ice	3131		340.64
007114	Automatic Fire	Service fire extinguishers	3231	302.50	
		Service fire extinguishers	3211	324.00	626.50
007214	Bayside	Janitorial services, August 2013	3051		300.00
007314	Cintas	Laundry service	3071	217.19	
		Personal supplies	3031	9.16	226.35
007414	Corporate Park Landscap	Landscape maintenance	3211		320.00
007514	Cardno Entrix	MVCAC programmatic EIR	3411		3,120.52
007614	Carquest	Distributor, thermostat gasket	3231		136.80
007714	Grainger	Tape, bandage	3131	29.69	
		Respirator	3391	154.91	184.60
007714A	Hayward Water	Utilities	3271		517.72
007814	City of hayward	Alarm permit renewal	3551		32.00
007914	KBA Docusys	Canon copier rental	3111		375.41
008014	Kimball Midwest	Disc holder	3171	13.88	
		Mini cutter	3231	38.52	52.40
008114	Kirkpatrick, Bruce	Reimbursement of gasoline	3351		67.57
008214	Mello, Melvin	Dental reimbursement	1411		1,043.10
008314	Namakan West	Mosquito fish	3391		450.00

**ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT
LIST OF WARRANTS DATED AUGUST 15, 2013.**

WAR NO	PAYEE	FOR	ACCT NO	AMT OF CHARGE	AMT OF WARRANT
008414	NBC Supply	Mask	3391		29.43
008514	PFM Asset Management	Investment advisory services	3411		1,148.70
008614	Partsline	Engine mount for V 27	3231		22.24
008714	Praxair	Dry ice	3131		419.07
008814	Waste Management	Garbage service for July	3271		116.61
008914	Rocky Mountain	Beck's - boot for Kevin	3031	131.44	
		Target - household items	3051	68.26	
		Office Depot - clipboard	3111	27.23	
		Canon - copier rental	3111	347.62	
		USPS - postage	3111	4.02	
		Arctic - dry ice	3131	57.88	
		Meadowlark - dry ice	3131	34.00	
		BioQuip - mosq trap	3131	913.58	
		BioQuip - mosq trap replacement battery	3131	184.51	
		Target - ADVIL	3131	16.56	
		Appliance - wash machine	3211	435.91	
		Walgreen - distilled water	3231	8.34	
		SQ - oil treatment	3231	174.45	
		Target - brushes	3231	10.08	
		Just Smog - smog test V 2	3231	40.00	
		East Bay - straps	3231	103.57	
		TelePacific - communication expenses	3291	612.04	
		Digitalmapp - subscription to Landvision	3331	625.00	
		AL's - meeting supplies	3351	21.79	

**ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT
LIST OF WARRANTS DATED AUGUST 15, 2013.**

WAR NO	PAYEE	FOR	ACCT NO	AMT OF CHARGE	AMT OF WARRANT
		CALPERS - education forum	3351	300.00	
		Oakland Parking - parking	3351	4.00	
		National Fish - fish treatment	3391	326.11	
		Home Depot - carrying bin	3391	58.73	
		Target - Wet Ones	3391	34.35	
		Home Depot - bucket	3391	4.34	
		CA Newspaper - advertisement for benefit	3392	433.36	
		CA Newspaper - advertisement for benefit	3392	115.28	
		Rocky Mountain Subtotal			5,092.45
TOTAL WARRANTS					100,478.79

**ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT
LIST OF WARRANTS DATED AUGUST 31, 2013**

WAR NO	PAYEE	FOR	ACCT NO	AMT OF CHARGE	AMT OF WARRANT
009014	Dereje Alemayehu	Total salary less deductions for payroll period	1011	2,554.48	
009014	Nick Appice	"	1011	1,317.37	
009014	John Busam	"	1011	2,705.22	
009014	Lyle C. Cain	"	1011	1,948.00	
009014	Cornelius Campbell	"	1011	2,636.89	
009014	Miguel Cardenas	"	1011	1,999.54	
009014	Erika B. Castillo	"	1011	2,556.35	
009014	Robert Ferdan	"	1011	1,171.57	
009014	Kevin Huffstutler	"	1011	1,132.93	
009014	Joseph W. Huston	"	1011	2,804.93	
009014	Michelle Izumizaki	"	1011	2,556.89	
009014	Bruce A. Kirkpatrick	"	1011	3,257.46	
009014	Clarence Lam	Total salary less deductions for payroll period	1011	2,394.03	
009014	Greg Leipzig	"	1011	2,401.69	
009014	Sharon S. Mead	"	1011	2,535.12	
009014	Chindi Peavey	"	1011	3,314.05	
009014	Gregory D. Wood	"	1011	2,785.54	
009014	IRS	Federal Tax Withheld	1011	7,089.56	
		Medicare Tax Withheld	1011	791.14	
		District Contribution to Medicare	1311	791.13	
009014	State of California	State Tax Withheld	1011	2,264.99	51,008.88
009114	Public Employees' Re	Employees contributions	1011	14.00	
	ment System	Employee paid member contributions	1011	3,782.23	
		District contribution 11.604%	1211	6,269.81	10,066.04

**ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT
LIST OF WARRANTS DATED AUGUST 31, 2013**

WAR NO	PAYEE	FOR	ACCT NO	AMT OF CHARGE	AMT OF WARRANT
009214	Aetna Life & Annuity	Employee contributions	1011		150.00
009314	Calpers 457 Plan	Employees contributions - PERS 457	1011		4,193.00
009414	Calpers	Health insurance	1411		25,708.51
009514	Jefferson Pilot Financ	Life insurance premium	1411		81.90
009614	Elizabeth Anders	Trustee in lieu expenses - 1000th meeting	3351		100.00
009714	Dennis Bray	Trustee in lieu expenses - 1000th meeting	3351		100.00
	Ryan Clausnitzer	Trustee in lieu expenses - 1000th meeting	3351		-
	James Doggett	Trustee in lieu expenses - 1000th meeting	3351		-
009814	James Golden	Trustee in lieu expenses - 1000th meeting	3351		100.00
009914	Richard Guarienti	Trustee in lieu expenses - 1000th meeting	3351		100.00
010014	Barbara Halliday	Trustee in lieu expenses - 1000th meeting	3351		100.00
010114	Denny McLeod	Trustee in lieu expenses - 1000th meeting	3351		100.00
	Jim Prola	Trustee in lieu expenses - 1000th meeting	3351		-
010214	Ronald Quinn	Trustee in lieu expenses - 1000th meeting	3351		100.00
010314	William Spinola	Trustee in lieu expenses - 1000th meeting	3351		100.00
010414	Jan Washburn	Trustee in lieu expenses - 1000th meeting	3351		100.00
010514	George Young	Trustee in lieu expenses - 1000th meeting	3351		100.00
010614	AT&T	Yellow pages listing	3392		56.50
010714	Airgas	Dry ice	3131		488.62
010814	Cintas Corp	Personal Supply	3031	-	
		Laundry Service	3071	436.46	436.46
010914	Huffstutler, Kevin	Reimbursement, V 37 gasoline	3351		40.48
011014	City of Hayward	Hazardous material permit renewal	3391		1077.00
011114	Marke Water	Rental 09-01-13 to 10-31-13	3551		65.00

**ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT
LIST OF WARRANTS DATED AUGUST 31, 2013**

WAR NO	PAYEE	FOR	ACCT NO	AMT OF CHARGE	AMT OF WARRANT
011214	NBC Supply	Safety eyewear, vest	3391		247.65
011314	PG & E	Utilities	3271		1,067.96
011414	Quill	Highlighter, toner, fastener, clip	3111		233.15
011514	Sonitrol	Monitoring fee	3551		514.00
011614	Turney, Patrick	Reimburse, insu cost overcharged by CALPE	1411		425.97
011714	Verizon	Communication expenses	3291		218.90
011814	Wright Express	Fuel expenses, statement ended 08-15-13	3351		4,903.28
Total Warrants					101,983.30

Account Balances as of August 31, 2013
Budget Year 2013-14

AGENDA ITEM 7a

Month 2 of 12 = 17% of Fiscal Year

	ACCOUNT	DESCRIPTION	EXPENDED IN AUGUST	EXPENDED TO DATE	BUDGETED	BALANCE REMAINING	% EXPENDED
SALARIES & BENEFITS	1011	Salary and Wages	115,856.96	231,253.23	1,557,129.00	1,325,875.77	15%
	1411	District Contribution to Retirement	1,582.39	25,046.48	169,085.00	144,038.52	15%
	1311	District Contribution to Medicare	12,539.62	3,158.18	22,578.00	19,419.82	14%
	1211	District Contribution to Health Care	32,672.70	63,876.33	431,448.00	367,571.67	15%
		TOTAL	162,651.67	323,334.22	2,180,240.00	1,856,905.78	15%
SERVICES & SUPPLIES	3031	Clothing and Personal Supplies	140.60	206.75	8,492.00	8,285.25	2%
	3051	Household Expenses	368.26	668.26	5,375.00	4,706.74	12%
	3071	Laundry Service and Supplies	653.65	1,072.52	8,100.00	7,027.48	13%
	3111	Office Expenses	987.43	1,024.97	28,598.20	27,573.23	4%
	3131	Laboratory Supplies	2,484.55	2,757.57	22,960.00	20,202.43	12%
	3171	Small Tools and Instruments	13.88	13.88	2,400.00	2,386.12	1%
	3211	Maintenance - Structures & Improvements	1,079.91	1,079.91	17,503.00	16,423.09	6%
	3231	Maintenance Equipment	836.50	2,002.97	41,284.00	39,281.03	5%
	3271	Utilities	1,702.29	2,786.31	18,160.00	15,373.69	15%
	3291	Communications	830.94	1,316.65	15,125.00	13,808.35	9%
	3331	Memberships, Dues, Subscriptions	625.00	9,246.00	25,843.84	16,597.84	36%
	3351	Transportation and Travel	6,337.12	11,582.67	96,550.00	84,967.33	12%
	3391	District Special Expenses	18,191.88	18,288.00	281,173.00	262,885.00	7%
	3392	Community Education	605.14	3,411.64	33,470.00	30,058.36	10%
	3411	Professional & Specialized Services	1,148.70	6,148.70	246,470.00	240,321.30	2%
	3471	Insurance - Collision, Liability etc	0.00	37,538.00	37,538.00	0.00	100%
	3491	Workers Compensation Insurance	0.00	48,381.00	48,381.00	0.00	100%
	3531	Insurance Fund - SIRS	0.00	0.00	25,000.00	25,000.00	0%
	3551	Rents, Leases - Equipment	611.00	1,125.00	8,350.00	7,225.00	13%
		TOTAL	36,616.85	148,650.80	970,773.04	822,122.24	15%
CAPITAL	5111	Structures and Improvements	0.00	0.00	70,000.00	70,000.00	0%
	5311	Equipment	0.00	50,336.89	134,000.00	83,663.11	38%
		TOTAL	0.00	50,336.89	204,000.00	153,663.11	25%
OTHER		Reserve for Contingencies	0.00	0.00	25,000.00	25,000.00	0%
		Post Employment Benefit Account	0.00	0.00	800,000.00	800,000.00	0%
		TOTAL	0.00	0.00	825,000.00	825,000.00	0%
GRAND TOTAL			199,268.52	522,321.91	4,180,013.04	3,657,691.13	12%

Does not include 12/13 expenses paid in 13/14

STATEMENT OF EXPENDITURES - August 31, 2013

Budget Year 13-14

	EXPENDITURES IN AUGUST	TO-DATE	BUDGETED	BALANCE
Salary & Benefits	162,651.67	323,334.22	2,180,240.00	1,856,905.78
Services and Supplies	36,616.85	148,650.80	970,773.04	822,122.24
Capital Expenditures	0.00	50,336.89	204,000.00	153,663.11
Reserves for Contingency	0	0	25,000	25,000.00
TOTAL	199,268.52	522,321.91	3,380,013.04	2,857,691.13

CASH BALANCE IN COUNTY TREASURY ACCOUNT - August 31, 2013 : \$ 2,611,763.14

Sincerely,

Chindi Peavey
District Manager

Alameda County Mosquito Abatement District

AGENDA ITEM 9

BOARD OF TRUSTEES

Jim Prola , President
Barbara Halliday, Vice-President
Ryan Clausnitzer, Secretary
Elizabeth Anders
Dennis Bray
James N. Doggett
Jim Golden
Richard Guarienti
Denny McLeod
Ronald E. Quinn
William M. Spinola
Jan O. Washburn
George Young

Chindi Peavey Ph.D
District Manager
cpeavey@mosquitoes.org

MONTHLY OPERATIONAL REPORT – August 2013

Dear Trustees:

I. NARRATIVE

The District received a total of 94 requests for service during August. There were 19 mosquito-biting reports. The ten-year average for adult mosquito service requests in August is 40.6. 43 requests for mosquitofish were received and 29 requests for inspections of potential mosquito sources. West Nile virus activity was detected in 13 additional dead birds in August. Eight of these were acute infections, 5 were chronic, indicating past infection without current active transmission. No mosquitoes were found positive for WNV in Alameda County this month.

Larval control efforts in August were focused primarily on four species of mosquitoes: *Aedes dorsalis*, the summer saltmarsh mosquito; *Culex pipiens*, the house mosquito; *Culex tarsalis*, the encephalitis mosquito; and *Culiseta incidens*, the fish pond mosquito.

The summer saltmarsh mosquito, *Aedes dorsalis*, breeds in tidal salt marsh areas that flood only during the highest tides of the month. This mosquito is a day biter that can be found in larger grassy areas like parks and school yards after the adults emerge and fly away from the salt marshes. Adult *Ae. dorsalis* adults were found at 4 service requests in August.

The fish pond mosquito, *Culiseta incidens*, is found throughout the year in Alameda County. This mosquito can utilize many different types of sources found around homes including fish ponds, fountains, bird baths, untreated swimming pools and pool covers, boats, spas, and many more. A total of 1,896 mosquitofish were planted during the month. *Cs. incidens* was found during 13 service requests during the month.

Culex pipiens, the house mosquito, is a vector of West Nile virus and is found throughout the year in Alameda County with its peak populations occurring in late summer and fall. The larvae are found in underground sources such as storm drains, catch basins, sumps and flooded basements as well as in water treatment plants. There were 5 service requests attributed to *Cx. pipiens* during the month.

Culex tarsalis, the encephalitis mosquito, is a vector of West Nile virus as well as St. Louis and Western Equine Encephalitis. This mosquito is found in most areas of the county from February through October. The larvae are found in freshwater sources of all types. The adults generally prefer to feed on birds so they don't cause too many biting complaints. *Cx. tarsalis* was found at 8 service requests during August.

II. STATEMENT OF OPERATIONS – AUGUST 2013

PROGRAM EVALUATION MEASUREMENTS

Mosquito service requests = 19	Ten-year average =	40.6
	Five-year average =	25.6
	Last year=	26
	Range=	21 - 87
Number of all injuries during 2013 =		1

TOTAL SERVICE REQUESTS IN AUGUST

Fish requests	43
Mosquito biting	19
Request for inspection	29
Other	3

SPECIES IMPLICATED IN SERVICE REQUESTS

<u>Species</u>	<u>Fish</u>	<u>Mosquitoes</u>	<u>Inspect</u>	<u>Total</u>
<i>Culiseta incidens</i>	6	2	5	13
<i>Culex pipiens</i>	0	3	2	5
<i>Culex tarsalis</i>	0	4	4	8
<i>Anopheles freeborni</i>	0	1	0	1
<i>An. punctipennis</i>	0	0	1	1
<i>Midges</i>	0	1	0	1
<i>No mosquitoes found</i>	37	5	17	59

BIOLOGICAL CONTROL ACTIVITIES

14% of ornamental fish ponds inspected had mosquito larvae.

Swimming pools

109 neglected swimming pools were inspected

28 had mosquito larvae in them

18 others were potential sources of mosquitoes and were treated for mosquitoes

A total of 46 pools were treated for mosquito larval development

32 pools were treated with Bacterial mosquito control products,

23 pools had mosquito fish planted in them

OPERATIONS

Administration	1,277.5	Regular Hours	2,686.8
Biorational Control	389.1	Overtime hours	46
Disease monitoring	340	Total Work	2,732.8
Equipment Maintenance	142.4		
Facility Maintenance	32	Vacation	198.3
Larval Surveillance	458.2	Sick hours	70
Physical Control	16.2	Lunch	150.5
Public Education	71.1	ETO	52.8
Safety	6.4	Total Leave	471.5
Total	2,732.8	Total Hours	3,204.3

MATERIAL USAGE

	Number of Applications	Amount Applied (Concentrate)		Area Treated
Altosid Briquets	15	112.34	ounces	0.75 acres
Altosid XR Briquets	0	0	ounces	0 acres
Altosid Pellets	4	149	ounces	1.3 acres
BVA Larvicide Oil	148	153.05	gallons	105.15 acres
FourStar 108 Bs	15	29.68	pounds	1.03 acres
Natular XRT	125	218.33	pounds	232.79 acres
Vectobac 12 AS	32	1.08	gallons	8.05 acres
Vectobac Granules	35	191.5	pounds	27.81 acres
Vectolex CG	25	100.5	pounds	17 acres
Vectolex WDG	32	128.65	pounds	8.05 acres
Vectolex WSP	7	0.94	pounds	0.05 acres
Total	438 applications	to		401.98 acres