



District Report



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The District in Action!



Vector Control Technician Eric Schulz demonstrates chainsaw safety to district staff.

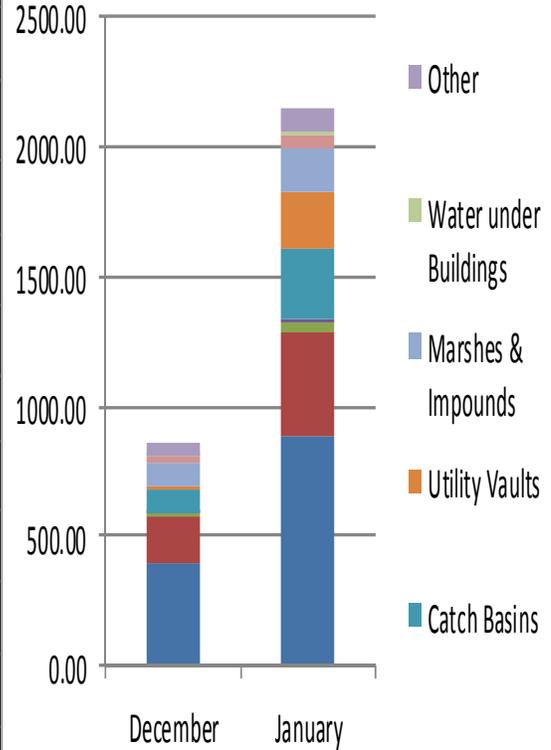
District News

- District staff is collecting ticks along trails to test for Lyme disease infection rates in San Mateo County parks. In February, ticks were collected from Skyline Ridge Open Space and Los Trancos Open Space in County Unincorporated areas.
- Staff attended the Mosquito and Vector Control Association of California annual conference in Sacramento. Laboratory Director Nayer Zahiri gave a talk on mosquito adulticides and presented a poster on bio-rational larvicides, Vector Ecologist Theresa Shelton presented a poster on benthic macroinvertebrates and Vector Control Technician Kim Keyser presented a poster on yellow jackets.
- Sewer plants in South San Francisco, Half Moon Bay, Burlingame and San Mateo are being inspected and treated once a month.
- Assistant Manager Brian Weber, Laboratory Director Nayer Zahiri and Trustee Betsy Schneider attended the American Mosquito Control Association annual conference in Atlantic City. Dr. Zahiri presented her research on Novaluron, a new growth-regulating larval control product.



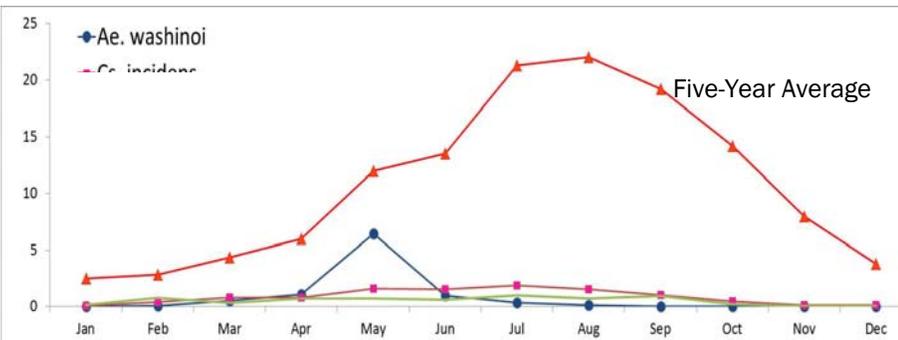
Mosquito Sources

	December	January
Fishponds & Fountains	397	888
Containers	178	399
Ditches & Drain lines	18	41
Creeks	1	2
Catch basins	88	279
Utility Vaults	5	217
Marshes & Impounds	98	166
Neglected Swimming Pools	19	48
Water under Buildings	3	15
Other	57	99
Total	864	2154



Mosquito Trap Data

Average Number of Adult Mosquitoes Caught in a 24-hour CO₂ trap



Key to Species:

▲ *Cx. pipiens*

Culex pipiens is the primary vector mosquito for West Nile Virus in many parts of the U.S. It is an extremely common pest in San Mateo county.

— *Cx. tarsalis*

Culex tarsalis is the primary vector of St. Louis encephalitis and western equine encephalitis.

● *Ae. washinoi*

Aedes washinoi is an active day-biting mosquito which usually breeds in freshwater pools near marshes or streams.

■ *Cs. incidens*

Culiseta incidens is a large mosquito with dark patches on its wings. It is the most common mosquito species found breeding in fishponds.

**District Balance Sheet - Consolidated Funds
As of January 31, 2013**

	Jan 31, 13
ASSETS	
Current Assets	
Checking/Savings	
1010 · Cash	5,252,424
1010A01 · Cash-VCJPA Property Contingency	37,917
1010A02 · Cash-VCJPA Member Contingency	328,473
1020 · Cash - Petty Cash	200
Total Checking/Savings	5,619,014
Accounts Receivable	
1012 · 1012 · Accounts Receivable-001	4,385
Total Accounts Receivable	4,385
Total Current Assets	5,623,400
TOTAL ASSETS	5,623,400
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Accounts Payable	
4300-1 · 4300-1 · Accounts Payable	21,223
Total Accounts Payable	21,223
Credit Cards	
US Bank Credit Card	-
Total Credit Cards	-
Total Current Liabilities	21,223
Total Liabilities	21,223
Equity	
3021 · 3021 · Prior Period Adjustment	6,996
32000 · Retained Earnings	5,219,323
Net Income	375,858
Total Equity	5,602,177
TOTAL LIABILITIES & EQUITY	5,623,400

District Profit & Loss - Consolidated Funds for the month ended January 31, 2013

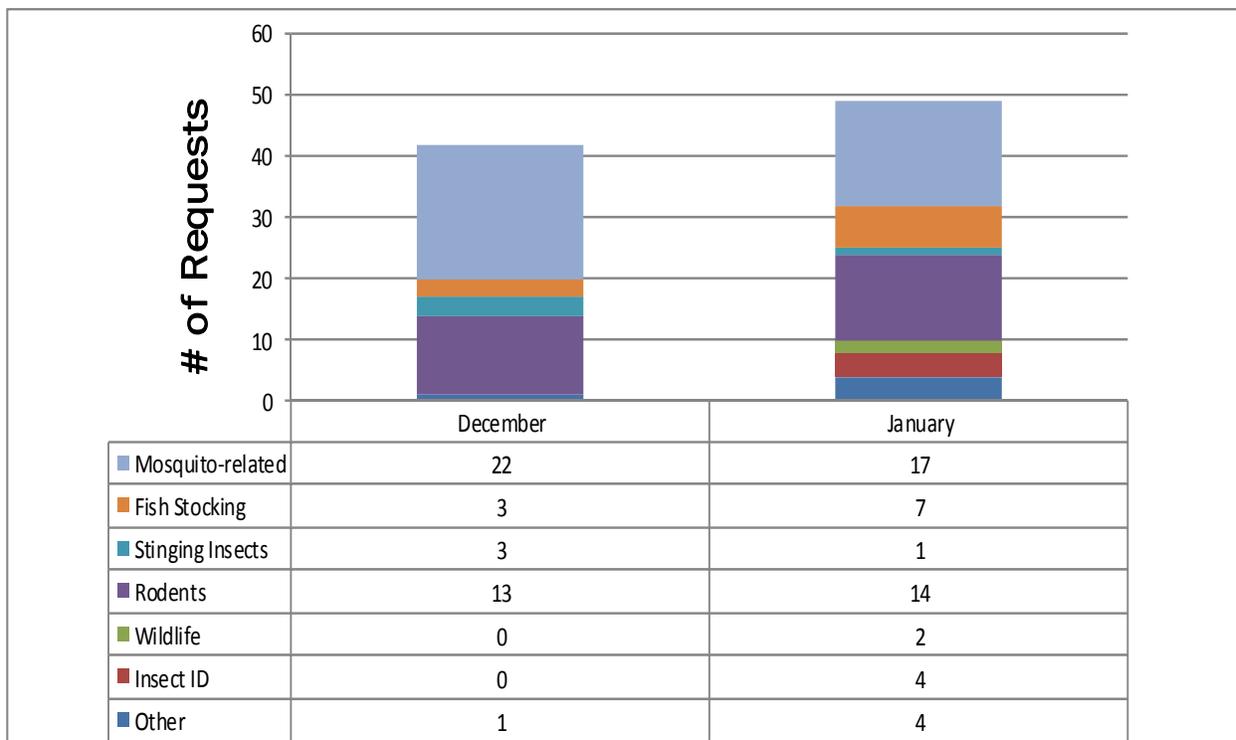
		MTD	YTD	Budgeted	YTD Jan %	58%
		January-13	FY12/13	FY12/13	Balance Remaining	% of FY12/13 Budget
REVENUES						
1021	Prop. taxes, current, secured	69,975	836,892	1,519,800	683,108	55.1%
1024	PY Secured Rate	0	2,685	3,400	715	79.0%
1031	Prop. taxes, current unsecured	0	82,969	82,000	(969)	101.2%
1033	Prop. taxes, prior, unsecured	0	463	650	187	71.3%
1041	Prop taxes CY secured SB 813	0	6,185	19,700	13,515	31.4%
1042	Prop taxes CY unsecured SB 813	0	0	650	650	0.0%
1043	PY SB 813 REDEM	0	0	1,400	1,400	0.0%
1045	Prop. taxes unsecured SB 813	0	0	320	320	0.0%
1046	1046 - ERAF Rebate	0	0	203,718	203,718	0.0%
1521	Interest Earned	8,451	30,451	53,792	23,341	58.6%
1831	Homeowner Prop	3,864	5,520	5,000	(520)	110.4%
2031	Special Assessment	101,473	850,175	1,491,980	641,805	57.0%
2439	Other Special Charges	34,753	276,751	459,585	182,834	60.2%
2451	Service Abatement Income	1,994	141,467	276,892	135,425	51.1%
2658	Other	41,072	147,495	27,000	(120,495)	546.3%
Total Revenue		261,581	2,380,852	4,145,887	1,765,035	57.4%
EXPENDITURES						
Salary & Benefits						
4111	Regular Full Time	102,740	681,300	1,325,000	643,700	51.4%
4161	Regular Part Time	2,629	111,463	151,000	39,537	73.8%
4311	Social Security	287	7,686	9,000	1,314	85.4%
4321	Retirement	28,928	213,024	395,000	181,976	53.9%
4412	Health Insurance	29,633	166,261	314,635	148,374	52.8%
4414	Great-West Deferred Comp	1,000	7,000	13,000	6,000	53.8%
4415	Medicare Insurance	1,557	11,853	24,000	12,347	48.8%
4422	Dental Insurance	2,473	18,569	36,000	19,431	48.0%
4431	Vision Insurance Plan (VSP)	375	2,454	4,700	2,246	52.2%
4440	Employee Commute Benefit	280	2,212	5,000	2,788	44.2%
4442	Long Term Disability	702	4,884	10,000	5,116	48.8%
4451	Unemployment Insurance	6,419	11,263	18,000	6,737	62.6%
4621	AFLAC Insurance	811	3,315	6,200	2,885	53.5%
Subtotal		177,833	1,239,084	2,311,535	1,072,452	53.6%
Services & Supplies						
5111	Agricultural	34	125,803	250,000	124,397	50.2%
5121	Clothing	977	13,014	23,910	10,896	54.4%
5156	Household	281	2,707	3,980	1,273	68.0%
5171	Medical/Laboratory	245	1,492	5,190	3,698	28.8%
5188	Other Misc (Union Bank Fee)	71	637	1,860	1,223	34.2%
5199	Office	916	10,394	20,852	10,458	49.8%
5233	Special Tools	135	6,219	20,475	14,256	30.4%
5331	Memberships	200	15,051	18,388	3,337	81.9%
5416	Gasoline/Oil	3,202	35,255	67,000	31,745	52.6%
5428	Miscellaneous Repair	14,872	49,064	274,140	225,076	17.9%
5472	General Maintenance	354	4,314	9,290	4,976	48.4%
5631	Electric/Gas	1,812	4,801	7,770	2,969	61.8%
5635	Water/Sewer Disposal	254	3,868	9,790	5,922	39.5%
5721	Meetings/Conferences	3,449	29,339	83,760	54,421	35.0%
5858	Services/Consultation	14,705	213,898	332,865	119,169	64.2%
5966	District Special Expenses	3,278	30,613	189,820	139,007	18.0%
6712	Telephone	1,319	9,353	20,300	10,947	48.1%
6725	Liability Insurance	0	57,162	80,000	2,636	95.3%
6731	Other Insurance	0	82,401	84,096	1,695	98.0%
Subtotal		45,704	694,983	1,463,286	768,303	47.5%
Fixed Assets						
7211	Structures/Improvements	0	0	0	0	0.0%
7311	Equipment	616	70,928	164,234	93,306	43.2%
Subtotal		616	70,928	164,234	93,306	
Total Expenditures		224,153	2,004,994	3,938,055	1,934,061	50.9%
NET INCOME						
Net Income		37,428	375,858	206,832		



CO2 traps - 2012 Summary

Mosquito Species	Mosquito Number	Months
<i>Cx. tarsalis</i>	207	January - October
<i>Cx. stigmatasoma</i>	6	August
<i>Cx. pipiens</i>	6307	January - October
<i>Cx. erythrothorax</i>	83	July - September
<i>Cs. particeps</i>	209	January - October
<i>Cs. incidens</i>	842	January - October
<i>An. punctipennis</i>	9	April - June
<i>Ae. washinoi</i>	2512	May - August
<i>Ae. squamiger</i>	63	May
<i>Ae. sierrensis</i>	251	May - August
<i>Ae. dorsalis</i>	21	May & August

Service Requests by Category



Dead Bird and Squirrel Hotline

Seasonal, state-wide testing of dead birds for West Nile virus for 2013 begins on March 18. Residents should report dead birds or squirrels to the state West Nile hotline **(1-877-WNV-BIRD)** or online at www.westnile.ca.gov.



We're on the
web!

www.smcmad.org



"An Independent Special District
Working for You Since 1916"

SAN MATEO COUNTY
MOSQUITO AND VECTOR CONTROL

1351 Rollins Road
Burlingame, CA 94010

Phone: 650-344-8592
Fax: 650-344-3843
www.smcmad.org

The San Mateo County Mosquito and Vector Control District is an independent, Special District funded by a property tax voted in by individual cities. Our mission is to safeguard the health and comfort of our citizens through a planned program to reduce mosquitoes and other vectors in an environmentally responsible manner.

	Extension
Robert B. Gay, Manager_____	12
Nayer Zahiri, Laboratory Director_____	32
Theresa Shelton, Vector Ecologist_____	44
Tina Sebay, Vector Ecologist_____	38
Brian Weber, Assistant Manager/Operations Director_____	16
Rosendo Rodriguez, Finance Director_____	11

"A VECTOR is any animal that can transmit disease to animals or people."

Baylisascaris procyonis

Raccoon young are generally born in April and May. Nocturnal and omnivorous, raccoons prefer wooded, natural areas, but have easily adapted to the human environment by establishing dens in protected locations such as backyards, under decks, and attics.

A major public health concern is exposure to the *Baylisascaris procyonis*, a roundworm of raccoons. Adult worms live in the intestine of raccoons and eggs are shed in the feces (raccoons will usually defecate in the same location, called a "latrine"). If the eggs are accidentally ingested by humans, dogs or other hosts, the hatched larvae will migrate to body organs, the central nervous system and the eyes causing severe damage. The eggs are highly resistant and can survive for years in the environment. Unfortunately, there isn't an effective treatment for people who have become sick after ingesting raccoon roundworm eggs. Therefore, it is important to avoid exposure to the raccoon roundworms by diligently following these guidelines:

- Thoroughly secure garbage can lids
- Do not leave pet food/bird seed out all night
- Block off all access points to building interiors and decks
- Trim vegetation overhanging the roof
- Remove fallen fruit and vegetables from the ground
- Hire only a professional wildlife trapper for proper raccoon removal

Raccoon latrines need to be removed carefully to avoid exposure to *Baylisascaris procyonis*. Follow the steps provided by the California Department of Public Health (<http://www.cdph.ca.gov/HealthInfo/discond/Documents/RaccoonRoundworms.pdf>)



Larva of *B. procyonis*
hatching from an egg.
Source: CDC