

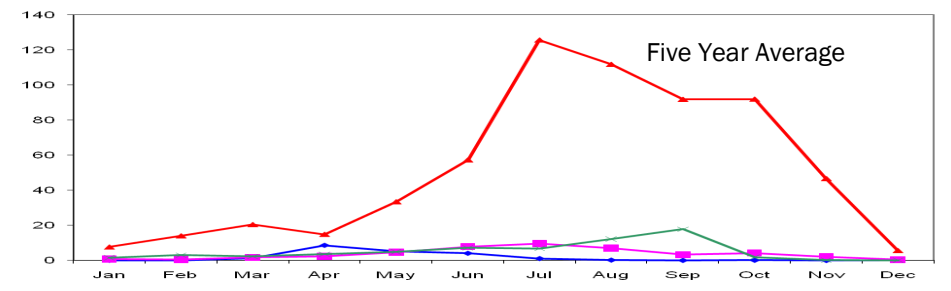
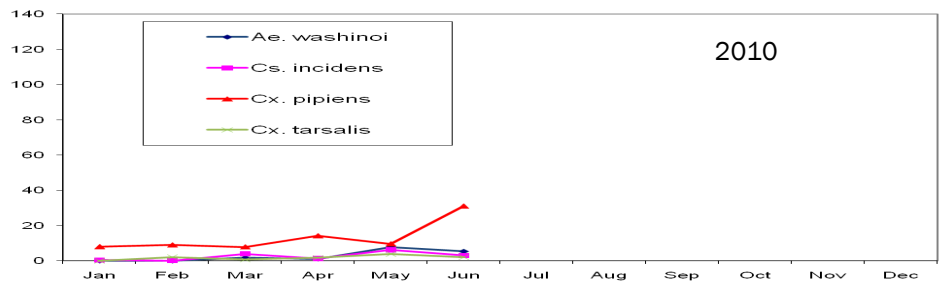


Entomology Report



Adult Mosquito Populations in CO2 Traps

Table of Contents	
Mosquito Control Operations	1,2
West Nile Virus	2
Dredging Workshop	3
Public Education Events	3
Rabies	4



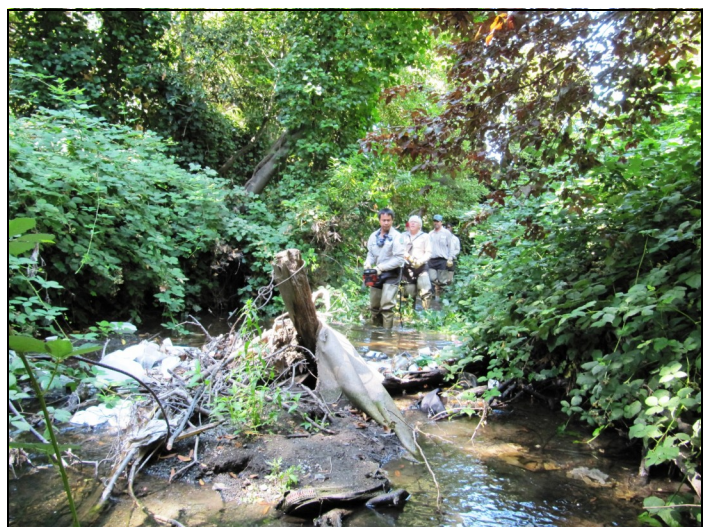
Mosquito Control Operations

In June, Vector Control Technicians treated 1,629 backyard fishponds, 221 ditches & drains, and 133 neglected swimming pools for mosquitoes.

Helicopter applications of larvicides began on July 6 over cattail ponds in Mills Field, Searsville Lake and Sharp Park. Creek work continued throughout June. Technicians conducted 92 applications in creeks in heavily urbanized areas. Creek work will continue on a monthly basis through September. All of the urban creeks in the county have been inspected at least one time so far this summer.

Catch basin work is in full swing. There are currently six full time seasonal staff treating catch basins. A total of 36,481 catch basins were treated in June.

Bair Island was inspected on June 11 and 23. Seasonal impounds on inner and middle Bair are mostly dry and there was no mosquito development occurring. Pond B3 is seasonally tidal and is not producing mosquito larvae at the present time. Outer Bair (Pond B1) has limited tidal flow and is treated on foot on a monthly basis.



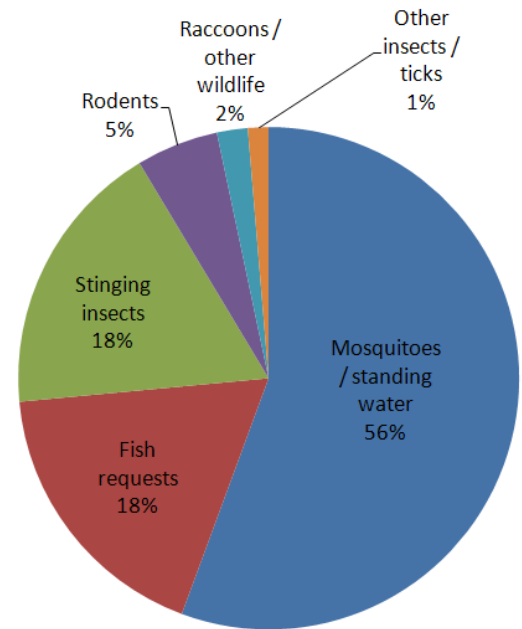
District Operations staff walk creeks throughout San Mateo County to treat impounded water, pick up trash, and clear brush that may impede water flow.



Operations—Service Requests

District staff responded to 151 requests for service in June. One-hundred eleven of these requests were related to mosquitoes (mosquito complaints, requests for mosquito fish delivery, and reports of standing water).

Reason for Request	# Requests
Mosquitoes / standing H2O	84
Fish requests	27
Stinging insects	27
Rodents	8
Raccoons / other wildlife	3
Other insects / ticks	2
TOTAL:	151



West Nile Virus Update

Statewide:

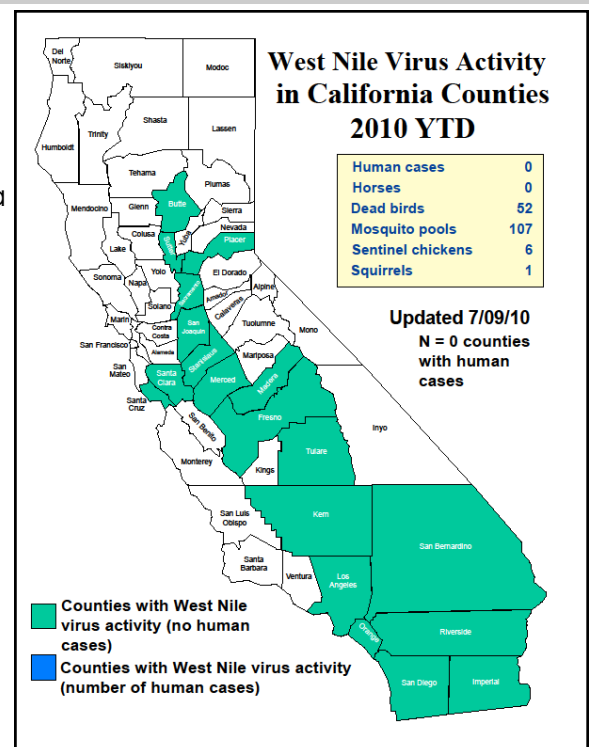
As of June 9, 2010, fifty-two (52) dead birds have been found positive for West Nile virus (WNV) in California this season. Santa Clara County is a WNV hotspot this season, with 37% of the statewide positive birds. Both the Santa Clara and Sacramento-Yolo mosquito control districts are fogging for adult mosquitoes this summer because of the West Nile Virus risk in their counties.

Thirteen counties have submitted a total of 107 positive mosquito samples to the state so far this year. Six sentinel chickens and one dead squirrel have also tested positive. There have not been any human cases of WNV reported so far this year in California. However, one blood donor from Stanislaus County had an acute infection of WNV in his blood. Because the individual did not develop symptoms it is not considered a case of WNV illness.

San Mateo County:

Sixty-nine (69) dead birds have been reported in San Mateo County to date this year. Nine of these birds were in suitable condition for testing; none have tested positive.

The district asks residents to call to report birds or tree squirrels that appear to have been dead for less than 48 hours and are in good condition. They should contact the state's WNV hot line at **877-WNV-BIRD (2473)** or submit a report online at <http://westnile.ca.gov>.





Dredging Workshop - Mosquito Breeding Concerns

In June, District staff attended the Dredging Workshop held in the East Bay. The event was hosted by the Bay Planning Coalition (BPC). This non-profit organization is membership-based, representing public and private entities in the maritime industry. The BPC's primary purpose is to ensure the Bay and Delta's economic development, conservation and public use. District staff participated in the workshop to highlight potential mosquito breeding concerns associated with dredged material disposal activities.

During the workshop, long term management, current disposal practices, costs and challenges were addressed. Over time, the BPC's goal is to increase the amount of dredged material as a beneficial resource for use in Bay wetland projects. Dredged material not used for this purpose is disposed of at various sites throughout the Bay Area. Four dredge disposal sites are located within San Mateo County: Redwood City, Port of Redwood City, Bair Island and the Don Edwards San Francisco Bay National Wildlife Refuge.

The district became aware of the potential mosquito impact of dredge spoils when, during a routine inspection, a technician unknowingly came upon disposed dredged material that had created a breeding source for mosquitoes. Dredged material can be of a slurry composition. The sediment will settle out leaving the water above to provide perfect habitat for mosquito breeding. If the dredged material is of a more solid form, it will eventually dry up creating cracks that can hold winter rains.

As a result of the district's participation at the workshop, the district will now receive pre-notification of dredged material disposal activities. In addition, district staff will be involved in a Bair Island Task Force that monitors dredging activities that affect this sensitive area.



Typical dredging activities in San Francisco Bay. Picture from boatingsf.com.

San Bruno Farmers' Market and the San Mateo County Fair

For the first time, District staff manned a booth at a Farmers' Market event. A small, yet lively, crowd gathered at the San Bruno Farmers' Market which is held every Sunday at the southwest end of San Mateo Avenue. The District's presence generated interest among patrons and vendors alike. To expand the District's public outreach, attending other farmers' markets will be a major consideration in the future.

At the San Mateo County Fair held in mid-June, the District set up an unmanned display booth among the agricultural and floral displays. The District booth was well stocked with brochures relevant to this time of year and pictorial displays emphasizing District inspection and surveillance activities.



District representative Theresa Shelton and a resident at the San Bruno Farmers' Market.



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"An Independent Special District
Working for You Since 1916"

SAN MATEO COUNTY
MOSQUITO AND VECTOR CONTROL

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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
Chindi A. Peavey, Laboratory Director_____	32
Angie Nakano, Vector Ecologist_____	31
Tina Sebay, Vector Ecologist_____	38
Theresa Shelton, Vector Ecologist_____	44
James Counts, Operations Director_____	16
Jo Ann Dearman, Finance Director_____	11

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

Rabies

International travelers should heed the cautionary tale of reality TV actress Samantha Fox who was attacked by a rabid cat while traveling in Thailand. She had been feeding stray cats but when she attempted to pet one the cat bit her hand. Locals recognized her photo of the cat as a one known to have rabies. Fox immediately sought medical attention and is undergoing the series of anti-rabies shots.

Rabies is a very serious disease transmitted by mammals that is almost always fatal soon after onset of symptoms if left untreated. The virus is spread through saliva or brain/nervous system tissue only, so contact with blood, urine or feces will not cause rabies transmission. Patients in the United States receive a series of four shots over two weeks if there is a possibility that they have been exposed to rabies virus. People traveling to areas where rabies is widespread or those with jobs that put them at risk of rabies exposure can ask their doctor about being pre-vaccinated. A pre-vaccination contains a series of three shots over the course of a month, with an additional two shots required if there is a rabies exposure.

In California, rabies is most often found in bats and skunks. Anyone who awakens with a bat in their bedroom should begin anti-rabies treatment in case they were bitten while asleep. Because of the efficacy of the injections and pet vaccinations, only 2 to 3 people in the United States die annually from rabies. Deaths occur when people do not receive treatment because they either did not realize they were exposed or they failed to contact a doctor.



Former model Samantha Fox's interaction with sick cats in Thailand led to rabies exposure.