

1. **Annual Report**

a. Executive Summary

Saddle Creek Community Services Mosquito and Vector Control District complied with the applicable components of the General NPDES Permit for Biological and Residual Pesticide Discharges from Vector Control Applications (General Permit). The District is a member of the MVCAC NPDES Permit Coalition and the Coalition conducted all required chemical and physical monitoring. The results of the Coalition's monitoring will be included in the Coalition Annual Report that will be sent separately to the SWRCB and Regional Boards.

The District made 9 applications during the 2012 calendar year, none of which were to the waters of the U.S. The log of these applications can be found in Attachment B. The District performed Visual Monitoring of >10% of individual application sites. The visual monitoring completed by the District in the first half of the year found that there is no observable change in water quality between the background, event, and post event time periods-see monitoring log sheets. The SWRCB notified the permit holders in a letter to MVCAC dated July 13, 2012 that because the visual monitoring requirements were "interfering with the need for maximal efficient application to adequately protect human health from vector-borne diseases like West Nile Virus," that the visual monitoring was no longer required by individual Districts. The District continued to follow the guidelines of its Pesticide Application Plan (PAP).).

b. Summary of Monitoring Data

The District began the year by complying with the visual monitoring requirements of the permit. See Footnote 1 of Tables C-1 and C-2 in Amended Water Quality Control Order No. 2011-0002-DWQ, General Permit No. CAG990004. These requirements required a tremendous amount of time to monitor including a number of revisits to specific sites to gather the necessary information. Most critically, time spent revisiting old sites caused delay in getting to new sites. Given the short lifecycle of the mosquito, this greatly exacerbated the task of looking for and treating mosquito breeding sites early in their lifecycle when treatment is more concentrated and effective. Recognizing the need of mosquito control districts to quickly find and treat mosquito breeding sites to prevent the spread of disease, such as West Nile virus, the SWRCB issued a letter to MVCAC dated July 13, 2012 that indicated the visual monitoring requirement would no longer be required of individual Districts.

Per the instructions in the letter, the Coalition will provide information on the incidence of West Nile Virus and other similar public health threats in the Coalition's annual report.

For the reasons stated above, the District will no longer be collecting visual monitoring data.






- c. BMP Identification
BMP's utilized by the District are outlined in the District's PAP. These include; emphasis on reducing mosquito breeding habitat through non-chemical means, training employees to prevent spills and applying appropriate amount of chemical in each treatment area, calibrate application equipment, Mosquito fish, removal of underbrush and cattails, educating the public and close monitoring of trap counts.
 - d. Violation Discussion
No violations of the General Permit by the District were observed.
 - e. Map of Applications
See Attachment A
 - f. Log of Applications made
Attachment B includes monthly reports of all application data on the covered application areas.
 - g. General Information on Applications
Attachment B includes information on dosage, concentration and quantity of each pesticide used which are derived from the individual pesticide labels.
 - h. Visual Monitoring Data
Visual Monitoring Data has been submitted to the State Water Board in the provided Monitoring Database Form -Attachment C.
 - i. BMP, PAP, Monitoring Program Recommendations
No recommendations are being proposed to improve the current BMP's, PAP, or monitoring plan. Any changes to the Coalition Monitoring Plan will be highlighted in the Coalition Monitoring Annual Report.
 - j. Pesticide Application Log made
A representation of the pesticide application log is contained in Attachment B
2. **Updated PAP Components**
N/A
 3. **Self Monitoring Reports**
N/A
 4. **Monitoring Reports**
The Coalition Monitoring Annual Report will summarize all physical measurements and chemical monitoring done for 2011 and 2012.

Calaveras County Community Service District (Saddle Creek)



Legend

Community Service Districts

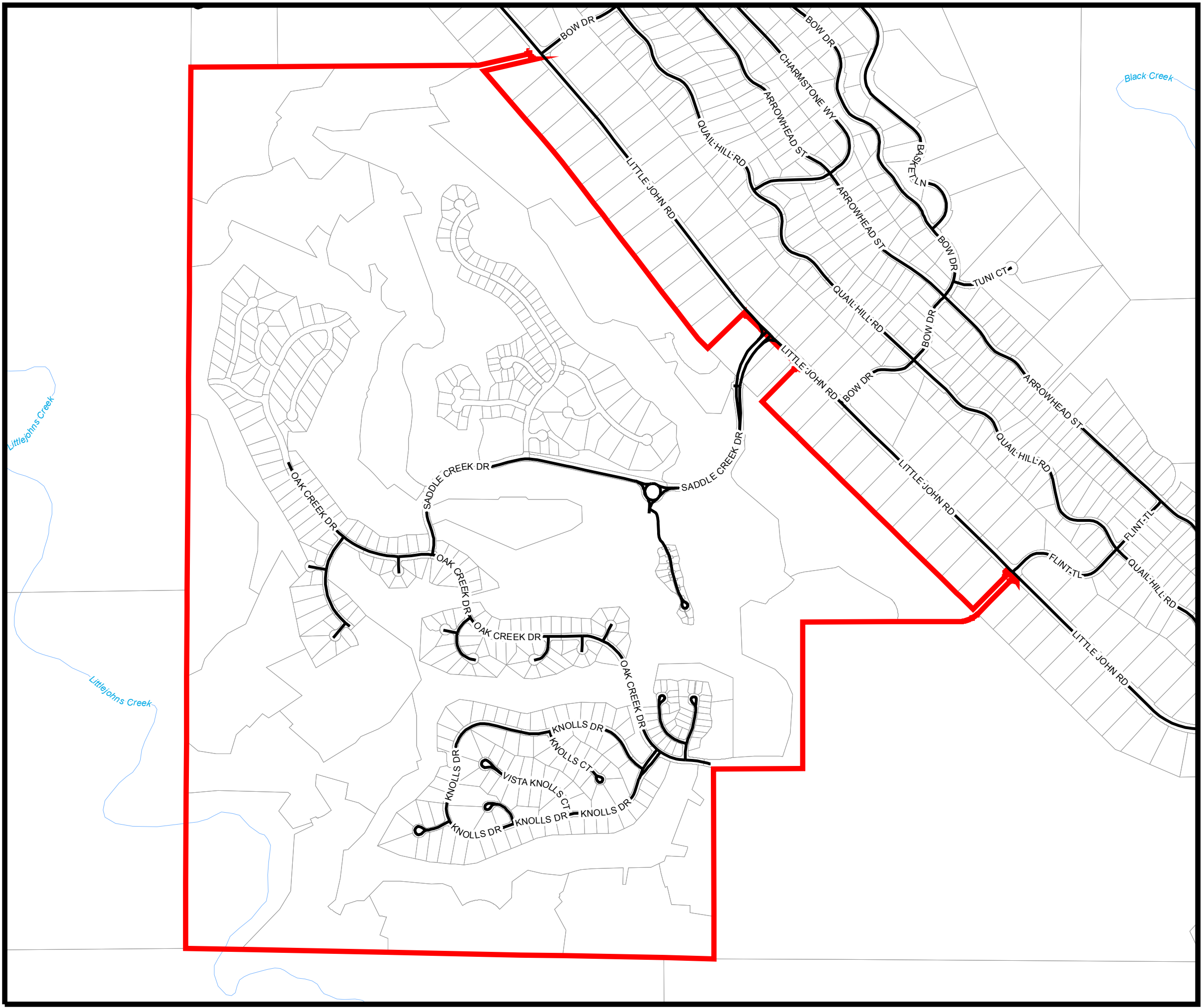
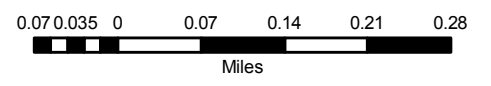
-  Saddle Creek
-  Parcels
-  Roads
-  Highways
-  Main Creeks

All Ground Adulciding is performed within the boundaries of the Saddle Creek Community.

All district boundaries are generalized and are not to be used on a parcel by parcel basis.



Map Design and Cartography
By Calaveras County GIS
San Andreas, CA 95249
Sept, 2005



<u>Start Date & Time</u>	<u>End Date & Time</u>	<u>Location</u>
4/19/2012 19:00	4/19/2012 21:40	Saddle Creek Community Roads
4/26/2012 19:00	4/19/2012 21:36	Saddle Creek Community Roads
5/3/2012 19:30	5/3/2012 22:04	S.C.C. Roads, Trails, and Golf Course
5/10/2012 19:30	5/10/2012	S.C.C. Roads, Trails, and Golf Course
5/17/2012 19:30	5/17/2012 22:15	S.C.C. Roads, Trails, and Golf Course
5/24/2012 19:30	5/24/2012 22:07	Saddle Creek Community Roads
5/31/2012 19:30	5/31/2012 22:04	S.C.C. Roads, Trails, and Golf Course
7/12/2012 20:00	7/12/2012 22:32	Saddle Creek Community Roads
8/2/2012 20:00	8/2/2012 22:36	S.C.C. Roads, Trails, and Golf Course

<u>Area In Acres</u>	<u>Ammount in Gal</u>	<u>Material</u>
350	4.5 MGK Pyrocide	
300	3 MGK Pyrocide	
600	5.5 MGK Pyrocide	
600	5.7 MGK Pyrocide	
600	5.5 MGK Pyrocide	
300	3 MGK Pyrocide	
600	5.7 MGK Pyrocide	
360	2.9 MGK Pyrocide	
600	5.7 MGK Pyrocide	

Application Info				
Date of Application	Applicator	Location	Name of Water Body	Type of Water Body

4/19/2012	McGeorge	Saddle Creek Community	Pond C	Pond
4/19/2012	McGeorge	Saddle Creek Community	Pond C	Pond
4/19/2012	McGeorge	Saddle Creek Community	Pond C	Pond

			MONITORING Information			
Description	Type of pesticide	Product Name	Time of monitoring	Monitoring Date	Time	Name(s) of personnel

Adulticide	Pyrocide		Background	4/19/2012	6:05 PM	McGeorge
Adulticide	Pyrocide		Event	4/19/2012	7:15 PM	McGeorge
Adulticide	Pyrocide		Post-Event	4/26/2012	2:30 PM	McGeorge

Weather Conditions					
Overhead Conditions	Precipitation	Wind	Air Temperature	Water Color	Water Clarity

Clear/Sunny	None	Calm	Warm/Mild	Blue Green	Low Visibility
Clear	None	Calm	Warm/Mild	Blue Green	Low Visibility
Clear/Sunny	None	Calm	Warm	Blue Green	Low Visibility

Visual Observation

Floating/Suspended Matter	Bottom Deposits	Aquatic Life	Water Surface Oils	Fungi, Slimes or objectionable growths
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Not Observed Not Observed Not Observed Not Observed Not Observed
Not Observed Not Observed Not Observed Not Observed Not Observed
Not Observed Not Observed Not Observed Not Observed Not Observed

	Field Measurements				
Potential Nuisance Conditions	Water Temperature	Model	Electrical conductivity (EC)	Model	Dissolved oxygen (DO)

Model	pH	Model	Turbidity	Model
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