



Fresno Mosquito and Vector Control District

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FEB 26 2013

Tim Phillips

District Manager

PHIL ISORENA

FEBRUARY 22, 2013

STATE WATER BOARD
1001 I STREET
SACRAMENTO CALIFORNIA
95814

Gary A. Bye

Assistant Manager

TIM PHILLIPS *TP.*

FRESNO MVCD

C. Julia Laciste

Office Manager

DISTRICT MANAGER

(559) 268-6565

RE: ATTACHED FIND THE FMVCD NPDES ANNUAL REPORT

Rory D. McAbee

Biologist

Attachment C consists of six hand-filled pages using the form provided by the Water Board. If there are questions please call me at the office (559) 268-6565

1. **Annual Report**

a. Executive Summary

Fresno Mosquito & Vector Control District (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 seven applications to waters of the U.S. during the 2012 calendar year. The log of these applications can be found in Attachment B. The District performed Visual Monitoring of six of these individual application sites identified as "Waters of the US" until July 2012. 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 and use a biology based assessment for determining treatment thresholds.

d. Violation Discussion

No violations of the General Permit by the District were observed.

Map of Applications

See Attachment A

e. Log of Applications made to Waters of the U.S.

Attachment B includes monthly reports of all application data on the covered application areas.

f. 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.

g. Visual Monitoring Data

Visual Monitoring Data has been submitted to the State Water Board using the form provided by the Water board -Attachment C.

h. 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.

i. Pesticide Application Log made to Waters of the U.S.

A representation of the pesticide application log is contained in Attachment B

2. **Updated PAP Components**

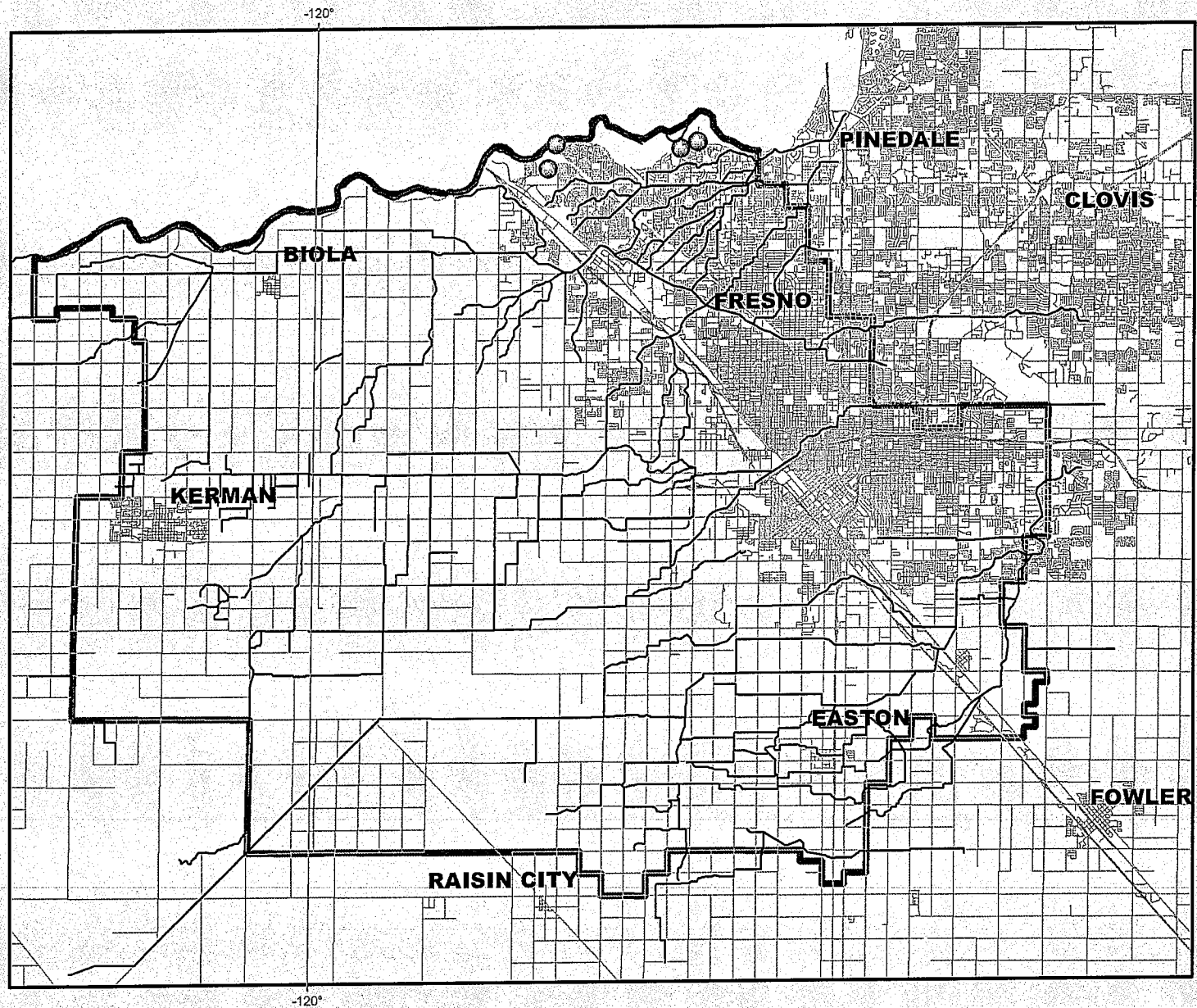
N/A

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.



Legend

- Treatment Sites
- WaterWays
- Streets
- District Boundaries**
- ▭ FresnoMVC
- City

Attachment -A FMVCD Map of applications to WOTUS 2012

0 1 2 4 6 8 Miles

Coordinate System: Lambert Conformal Conic
 Central Meridian: 119°0'0"W
 1st Std Parallel: 36°0'0"N
 2nd Std Parallel: 37°15'0"N
 Latitude of Origin: 35°20'0"N

FRESNO MOSQUITO & VECTOR CONTROL DISTRICT: ATTACHMENT B PESTICIDE APPLICATION TO WOTUS

Date	Emp.	Start Time	End Time	Loc. #	TRS	Map Location	Area Acres	Material Amt.	Material	Latitude	Longitude	Adjacent Water Bodies
6/14/2012	98	1:40 PM	2:00 PM	12	121936	Fresno County	2	1.5 ozs.	Natular 2EC	36.851233	-119.845286	San Joaquin River
6/14/2012	98	2:15 PM	2:45 PM	10	121933	Fresno County	4	3.25 ozs.	Natular 2EC	36.850227	-119.903018	San Joaquin River
6/20/2012	7	10:30 AM	11:15 AM	10	121933	Fresno County	4	64 ozs.	Vectobac 12AS	36.850227	-119.903018	San Joaquin River
6/22/2012	104	1:30 PM	1:50 PM	12	121936	Fresno County	2	1.0 ozs.	Natular 2EC	36.851233	-119.845286	San Joaquin River
7/6/2012	2	1:30 PM	2:00 PM	12	121936	Fresno County	2	10 lbs.	Vectobac G	36.851233	-119.845286	San Joaquin River
7/6/2012	2	2:30 PM	3:00 PM	12	121933	Fresno County	4	15 lbs.	Vectobac G	36.850227	-119.903018	San Joaquin River
7/9/2012	7	10:30 AM	11:00 AM	20	121933	Fresno county	3	2.0 ozs.	Natular 2EC	36.842363	-119.90587	San Joaquin River

COPY

Visual Monitoring Log Sheet

Agency	FRESNO MOSQUITO + VCD	Location/TRS - Site No	36.851233 -119.845286
Applicator Name	MARK SHUTTERA #98	Water Body Name	FLOOD CONTROL @ FIG GARDEN G.C.
Date of Application	6-14-12	Water Body Type	<input type="checkbox"/> Creek/Stream <input type="checkbox"/> Slough/Natural Drain <input type="checkbox"/> River <input type="checkbox"/> Riparian Seepage/Depression <input type="checkbox"/> Vernal Pool <input type="checkbox"/> Natural or Recharge Pond <input type="checkbox"/> Marsh/Wetland <input type="checkbox"/> Native Ground/Rangeland <input checked="" type="checkbox"/> Constructed Wetland/Pond <i>FC</i>
Pesticide Type	<input checked="" type="checkbox"/> Larvicide <input type="checkbox"/> Adulticide		
Pesticide Name	NATULAR 2 EC		

Background Monitoring	Event Monitoring	Post-Event Monitoring	
Monitoring Date -Time	6-14-12 9:30 AM	6-14-12 1:40 PM	6-18-12 10:10 AM
Monitor Name (s)	GARY BYDIE	GARY BYDIE	GARY BYDIE

✓ ALL that apply ↓

Current Weather: Sky <input checked="" type="checkbox"/> Clear/sunny <input type="checkbox"/> Partly cloudy <input type="checkbox"/> Overcast <input type="checkbox"/> Hazy	<input checked="" type="checkbox"/> Clear/sunny <input type="checkbox"/> Partly cloudy <input type="checkbox"/> Overcast <input type="checkbox"/> Hazy	<input checked="" type="checkbox"/> Clear/sunny <input type="checkbox"/> Partly cloudy <input type="checkbox"/> Overcast <input type="checkbox"/> Hazy
Precipitation <i>N/A</i> <input type="checkbox"/> Foggy <input type="checkbox"/> Drizzle <input type="checkbox"/> Intermittent showers <input type="checkbox"/> Steady rain	<input type="checkbox"/> Foggy <input type="checkbox"/> Drizzle <input type="checkbox"/> Intermittent showers <input type="checkbox"/> Steady rain	<input type="checkbox"/> Foggy <input type="checkbox"/> Drizzle <input type="checkbox"/> Intermittent showers <input type="checkbox"/> Steady rain
Wind & Temperature <input type="checkbox"/> Calm <input checked="" type="checkbox"/> Light breeze <input type="checkbox"/> Gusty <input type="checkbox"/> Cool <input checked="" type="checkbox"/> Warm <input type="checkbox"/> Hot	<input type="checkbox"/> Calm <input type="checkbox"/> Light breeze <input checked="" type="checkbox"/> Gusty <input type="checkbox"/> Cool <input type="checkbox"/> Warm <input checked="" type="checkbox"/> Hot	<input checked="" type="checkbox"/> Calm <input type="checkbox"/> Light breeze <input type="checkbox"/> Gusty <input type="checkbox"/> Cool <input type="checkbox"/> Warm <input checked="" type="checkbox"/> Hot

Water Color: ✓ ONE <input type="checkbox"/> Colorless <input checked="" type="checkbox"/> Green <input type="checkbox"/> Brown <input type="checkbox"/> Yellow <input type="checkbox"/> Other:	<input type="checkbox"/> Colorless <input checked="" type="checkbox"/> Green <input type="checkbox"/> Brown <input type="checkbox"/> Yellow <input type="checkbox"/> Other:	<input type="checkbox"/> Colorless <input checked="" type="checkbox"/> Green <input type="checkbox"/> Brown <input type="checkbox"/> Yellow <input type="checkbox"/> Other:
Water Clarity: ✓ ONE <input checked="" type="checkbox"/> Clear (can see bottom) <input type="checkbox"/> Cloudy <input type="checkbox"/> Murky	<input checked="" type="checkbox"/> Clear (can see bottom) <input type="checkbox"/> Cloudy <input type="checkbox"/> Murky	<input checked="" type="checkbox"/> Clear (can see bottom) <input type="checkbox"/> Cloudy <input type="checkbox"/> Murky

✓ ALL that apply ↓

Water Content <input checked="" type="checkbox"/> Floating or suspended matter <i>PRIMROSE, DUCK WEED</i>	<input checked="" type="checkbox"/> Floating or suspended matter <i>PRIMROSE, DUCK WEED</i>	<input checked="" type="checkbox"/> Floating or suspended matter <i>PRIMROSE, DUCK WEED</i>
<input checked="" type="checkbox"/> Bottom deposits <i>ORGANIC DEBRIS</i>	<input checked="" type="checkbox"/> Bottom deposits <i>ORGANIC DEBRIS</i>	<input checked="" type="checkbox"/> Bottom deposits <i>ORGANIC DEBRIS</i>
<input checked="" type="checkbox"/> Aquatic life <i>AQUATIC INSECTS, MOSQUITO, FISH</i>	<input checked="" type="checkbox"/> Aquatic life <i>AQUATIC INSECTS, MOSQUITO, FISH</i>	<input checked="" type="checkbox"/> Aquatic life <i>AQUATIC INSECTS, MOSQUITO, FISH</i>
<input type="checkbox"/> Water surface oils	<input type="checkbox"/> Water surface oils	<input type="checkbox"/> Water surface oils
<input type="checkbox"/> Fungi, slimes, or objectionable growths	<input type="checkbox"/> Fungi, slimes, or objectionable growths	<input type="checkbox"/> Fungi, slimes, or objectionable growths
<input type="checkbox"/> Other potential nuisance:	<input type="checkbox"/> Other potential nuisance:	<input type="checkbox"/> Other potential nuisance:

Visual Monitoring Log Sheet

Agency	FRESNO MOSQUITO & VCD	Location/TRS - Site No	36.850227 - 119.903018
Applicator Name	MARK SHUTERA # 98	Water Body Name	FC @ SJ RIVER & TRESTLE
Date of Application	6-14-12	Water Body Type	<input type="checkbox"/> Creek/Stream <input type="checkbox"/> Slough/Natural Drain <input type="checkbox"/> River <input type="checkbox"/> Riparian Seepage/Depression <input type="checkbox"/> Vernal Pool <input type="checkbox"/> Natural or Recharge Pond <input type="checkbox"/> Marsh/Wetland <input type="checkbox"/> Native Ground/Rangeland <input checked="" type="checkbox"/> Constructed Wetland/Pond FC
Pesticide Type	<input checked="" type="checkbox"/> Larvicide <input type="checkbox"/> Adulticide		
Pesticide Name	NATURAL ZFC		

Background Monitoring	Event Monitoring	Post-Event Monitoring	
Monitoring Date -Time	6-14-12 10:00AM	6-14-12 2:15AM	6-18-12 9:25AM
Monitor Name (s)	GARY BYRNE	GARY BYRNE	GARY BYRNE

√ ALL that apply ↓

Current Weather: Sky <input checked="" type="checkbox"/> Clear/sunny <input type="checkbox"/> Partly cloudy <input type="checkbox"/> Overcast <input type="checkbox"/> Hazy	<input checked="" type="checkbox"/> Clear/sunny <input type="checkbox"/> Partly cloudy <input type="checkbox"/> Overcast <input type="checkbox"/> Hazy	<input checked="" type="checkbox"/> Clear/sunny <input type="checkbox"/> Partly cloudy <input type="checkbox"/> Overcast <input type="checkbox"/> Hazy
Precipitation <i>N/A</i> <input type="checkbox"/> Foggy <input type="checkbox"/> Drizzle <input type="checkbox"/> Intermittent showers <input type="checkbox"/> Steady rain	<input type="checkbox"/> Foggy <input type="checkbox"/> Drizzle <input type="checkbox"/> Intermittent showers <input type="checkbox"/> Steady rain	<input type="checkbox"/> Foggy <input type="checkbox"/> Drizzle <input type="checkbox"/> Intermittent showers <input type="checkbox"/> Steady rain
Wind & Temperature <input type="checkbox"/> Calm <input checked="" type="checkbox"/> Light breeze <input type="checkbox"/> Gusty <input type="checkbox"/> Cool <input checked="" type="checkbox"/> Warm <input type="checkbox"/> Hot	<input type="checkbox"/> Calm <input type="checkbox"/> Light breeze <input checked="" type="checkbox"/> Gusty <input type="checkbox"/> Cool <input type="checkbox"/> Warm <input checked="" type="checkbox"/> Hot	<input checked="" type="checkbox"/> Calm <input type="checkbox"/> Light breeze <input type="checkbox"/> Gusty <input type="checkbox"/> Cool <input type="checkbox"/> Warm <input checked="" type="checkbox"/> Hot

Water Color: √ ONE <input type="checkbox"/> Colorless <input checked="" type="checkbox"/> Green <input type="checkbox"/> Brown <input type="checkbox"/> Yellow <input type="checkbox"/> Other:	<input type="checkbox"/> Colorless <input checked="" type="checkbox"/> Green <input type="checkbox"/> Brown <input type="checkbox"/> Yellow <input type="checkbox"/> Other:	<input type="checkbox"/> Colorless <input checked="" type="checkbox"/> Green <input type="checkbox"/> Brown <input type="checkbox"/> Yellow <input type="checkbox"/> Other:
Water Clarity: √ ONE <input checked="" type="checkbox"/> Clear (can see bottom) <input type="checkbox"/> Cloudy <input type="checkbox"/> Murky	<input checked="" type="checkbox"/> Clear (can see bottom) <input type="checkbox"/> Cloudy <input type="checkbox"/> Murky	<input checked="" type="checkbox"/> Clear (can see bottom) <input type="checkbox"/> Cloudy <input type="checkbox"/> Murky

√ ALL that apply ↓

Water Content <input checked="" type="checkbox"/> Floating or suspended matter <i>ALGAE</i>	<input checked="" type="checkbox"/> Floating or suspended matter <i>ALGAE</i>	<input checked="" type="checkbox"/> Floating or suspended matter <i>ALGAE</i>
<input type="checkbox"/> Bottom deposits	<input type="checkbox"/> Bottom deposits	<input type="checkbox"/> Bottom deposits
<input checked="" type="checkbox"/> Aquatic life <i>WATER BEETLES</i>	<input checked="" type="checkbox"/> Aquatic life <i>WATER BEETLES</i>	<input checked="" type="checkbox"/> Aquatic life <i>WATER BEETLES</i>
<input type="checkbox"/> Water surface oils	<input type="checkbox"/> Water surface oils	<input type="checkbox"/> Water surface oils
<input type="checkbox"/> Fungi, slimes, or objectionable growths	<input type="checkbox"/> Fungi, slimes, or objectionable growths	<input type="checkbox"/> Fungi, slimes, or objectionable growths
<input type="checkbox"/> Other potential nuisance:	<input type="checkbox"/> Other potential nuisance:	<input type="checkbox"/> Other potential nuisance:

Visual Monitoring Log Sheet

Agency	FRESNO MOSQUITO & VCD	Location/TRS - Site No	36.850227 -119.903018
Applicator Name	ROY BENAVIDES #7	Water Body Name	FC @ SD RIVER & TRUSTEE
Date of Application	6-20-12	Water Body Type	<input type="checkbox"/> Creek/Stream <input type="checkbox"/> Slough/Natural Drain <input type="checkbox"/> River <input type="checkbox"/> Riparian Seepage/Depression <input type="checkbox"/> Vernal Pool <input type="checkbox"/> Natural or Recharge Pond <input type="checkbox"/> Marsh/Wetland <input type="checkbox"/> Native Ground/Rangeland <input checked="" type="checkbox"/> Constructed Wetland/Pond FC
Pesticide Type	<input checked="" type="checkbox"/> Larvicide <input type="checkbox"/> Adulticide		
Pesticide Name	VECTOBAC 12AS		

Background Monitoring	Event Monitoring	Post-Event Monitoring	
Monitoring Date -Time	6-20-12 8:30 AM	6-20-12 10:30 AM	6-22-12 1:30 PM
Monitor Name (s)	ROY BENAVIDES	ROY BENAVIDES	ROY BENAVIDES

√ ALL that apply ↓

Current Weather: Sky	<input checked="" type="checkbox"/> Clear/sunny <input type="checkbox"/> Partly cloudy <input type="checkbox"/> Overcast <input type="checkbox"/> Hazy	<input checked="" type="checkbox"/> Clear/sunny <input type="checkbox"/> Partly cloudy <input type="checkbox"/> Overcast <input type="checkbox"/> Hazy	<input checked="" type="checkbox"/> Clear/sunny <input type="checkbox"/> Partly cloudy <input type="checkbox"/> Overcast <input type="checkbox"/> Hazy
Precipitation	<input type="checkbox"/> Foggy <input type="checkbox"/> Drizzle <input type="checkbox"/> Intermittent showers <input type="checkbox"/> Steady rain	<input type="checkbox"/> Foggy <input type="checkbox"/> Drizzle <input type="checkbox"/> Intermittent showers <input type="checkbox"/> Steady rain	<input type="checkbox"/> Foggy <input type="checkbox"/> Drizzle <input type="checkbox"/> Intermittent showers <input type="checkbox"/> Steady rain
Wind & Temperature	<input checked="" type="checkbox"/> Calm <input type="checkbox"/> Light breeze <input type="checkbox"/> Gusty <input type="checkbox"/> Cool <input checked="" type="checkbox"/> Warm <input type="checkbox"/> Hot	<input checked="" type="checkbox"/> Calm <input type="checkbox"/> Light breeze <input type="checkbox"/> Gusty <input type="checkbox"/> Cool <input type="checkbox"/> Warm <input checked="" type="checkbox"/> Hot	<input checked="" type="checkbox"/> Calm <input type="checkbox"/> Light breeze <input type="checkbox"/> Gusty <input type="checkbox"/> Cool <input checked="" type="checkbox"/> Warm <input type="checkbox"/> Hot

Water Color: √ ONE	<input type="checkbox"/> Colorless <input checked="" type="checkbox"/> Green <input type="checkbox"/> Brown <input type="checkbox"/> Yellow <input type="checkbox"/> Other:	<input type="checkbox"/> Colorless <input checked="" type="checkbox"/> Green <input type="checkbox"/> Brown <input type="checkbox"/> Yellow <input type="checkbox"/> Other:	<input type="checkbox"/> Colorless <input checked="" type="checkbox"/> Green <input type="checkbox"/> Brown <input type="checkbox"/> Yellow <input type="checkbox"/> Other:
Water Clarity: √ ONE	<input checked="" type="checkbox"/> Clear (can see bottom) <input type="checkbox"/> Cloudy <input type="checkbox"/> Murky	<input checked="" type="checkbox"/> Clear (can see bottom) <input type="checkbox"/> Cloudy <input type="checkbox"/> Murky	<input checked="" type="checkbox"/> Clear (can see bottom) <input type="checkbox"/> Cloudy <input type="checkbox"/> Murky

√ ALL that apply ↓

Water Content	<input checked="" type="checkbox"/> Floating or suspended matter ALGAE <input type="checkbox"/> Bottom deposits	<input checked="" type="checkbox"/> Floating or suspended matter ALGAE <input type="checkbox"/> Bottom deposits	<input checked="" type="checkbox"/> Floating or suspended matter ALGAE <input type="checkbox"/> Bottom deposits
	<input checked="" type="checkbox"/> Aquatic life WATER BEETLES <input type="checkbox"/> Water surface oils	<input checked="" type="checkbox"/> Aquatic life WATER BEETLES <input type="checkbox"/> Water surface oils	<input checked="" type="checkbox"/> Aquatic life WATER BEETLES <input type="checkbox"/> Water surface oils
	<input type="checkbox"/> Fungi, slimes, or objectionable growths <input type="checkbox"/> Other potential nuisance:	<input type="checkbox"/> Fungi, slimes, or objectionable growths <input type="checkbox"/> Other potential nuisance:	<input type="checkbox"/> Fungi, slimes, or objectionable growths <input type="checkbox"/> Other potential nuisance:

Visual Monitoring Log Sheet

Agency	FRESNO MOSQUITO & VCD	Location/TRS - Site No	36.851233 -119.845286
Applicator Name	MONICA PALOMO #104	Water Body Name	FLOOD CONTROL @ FIG GARDEN G.C
Date of Application	6-22-12	Water Body Type	<input type="checkbox"/> Creek/Stream <input type="checkbox"/> Slough/Natural Drain <input type="checkbox"/> River <input type="checkbox"/> Riparian Seepage/Depression <input type="checkbox"/> Vernal Pool <input type="checkbox"/> Natural or Recharge Pond <input type="checkbox"/> Marsh/Wetland <input type="checkbox"/> Native Ground/Rangeland <input checked="" type="checkbox"/> Constructed Wetland/Pond <i>FC</i>
Pesticide Type	<input checked="" type="checkbox"/> Larvicide <input type="checkbox"/> Adulticide		
Pesticide Name	NATURAL DEC		

Background Monitoring	Event Monitoring	Post-Event Monitoring	
Monitoring Date -Time	6-22-12 12:30 PM	6-22-12 1:30 PM	6-25-12 10:30 AM
Monitor Name (s)	ROY BENAVIDES	ROY BENAVIDES	ROY BENAVIDES

√ ALL that apply ↓

Current Weather: Sky	<input checked="" type="checkbox"/> Clear/sunny <input type="checkbox"/> Partly cloudy <input type="checkbox"/> Overcast <input type="checkbox"/> Hazy	<input checked="" type="checkbox"/> Clear/sunny <input type="checkbox"/> Partly cloudy <input type="checkbox"/> Overcast <input type="checkbox"/> Hazy	<input checked="" type="checkbox"/> Clear/sunny <input type="checkbox"/> Partly cloudy <input type="checkbox"/> Overcast <input type="checkbox"/> Hazy
Precipitation <i>N/A</i>	<input type="checkbox"/> Foggy <input type="checkbox"/> Drizzle <input type="checkbox"/> Intermittent showers <input type="checkbox"/> Steady rain	<input type="checkbox"/> Foggy <input type="checkbox"/> Drizzle <input type="checkbox"/> Intermittent showers <input type="checkbox"/> Steady rain	<input type="checkbox"/> Foggy <input type="checkbox"/> Drizzle <input type="checkbox"/> Intermittent showers <input type="checkbox"/> Steady rain
Wind & Temperature	<input checked="" type="checkbox"/> Calm <input type="checkbox"/> Light breeze <input type="checkbox"/> Gusty <input type="checkbox"/> Cool <input checked="" type="checkbox"/> Warm <input type="checkbox"/> Hot	<input checked="" type="checkbox"/> Calm <input type="checkbox"/> Light breeze <input type="checkbox"/> Gusty <input type="checkbox"/> Cool <input checked="" type="checkbox"/> Warm <input type="checkbox"/> Hot	<input checked="" type="checkbox"/> Calm <input type="checkbox"/> Light breeze <input type="checkbox"/> Gusty <input type="checkbox"/> Cool <input checked="" type="checkbox"/> Warm <input type="checkbox"/> Hot

Water Color: √ ONE	<input type="checkbox"/> Colorless <input checked="" type="checkbox"/> Green <input checked="" type="checkbox"/> Brown <input type="checkbox"/> Yellow <input type="checkbox"/> Other:	<input type="checkbox"/> Colorless <input checked="" type="checkbox"/> Green <input checked="" type="checkbox"/> Brown <input type="checkbox"/> Yellow <input type="checkbox"/> Other:	<input type="checkbox"/> Colorless <input checked="" type="checkbox"/> Green <input checked="" type="checkbox"/> Brown <input type="checkbox"/> Yellow <input type="checkbox"/> Other:
Water Clarity: √ ONE	<input type="checkbox"/> Clear (can see bottom) <input type="checkbox"/> Cloudy <input checked="" type="checkbox"/> Murky	<input type="checkbox"/> Clear (can see bottom) <input type="checkbox"/> Cloudy <input checked="" type="checkbox"/> Murky	<input type="checkbox"/> Clear (can see bottom) <input type="checkbox"/> Cloudy <input checked="" type="checkbox"/> Murky

√ ALL that apply ↓

Water Content	<input checked="" type="checkbox"/> Floating or suspended matter <i>ALGAE</i>	<input checked="" type="checkbox"/> Floating or suspended matter <i>ALGAE</i>	<input checked="" type="checkbox"/> Floating or suspended matter <i>ALGAE</i>
	<input type="checkbox"/> Bottom deposits	<input type="checkbox"/> Bottom deposits	<input type="checkbox"/> Bottom deposits
	<input checked="" type="checkbox"/> Aquatic life <i>WATER BEETLES</i>	<input checked="" type="checkbox"/> Aquatic life <i>WATER BEETLES</i>	<input checked="" type="checkbox"/> Aquatic life <i>WATER BEETLES</i>
	<input type="checkbox"/> Water surface oils	<input type="checkbox"/> Water surface oils	<input type="checkbox"/> Water surface oils
	<input type="checkbox"/> Fungi, slimes, or objectionable growths	<input type="checkbox"/> Fungi, slimes, or objectionable growths	<input type="checkbox"/> Fungi, slimes, or objectionable growths
	<input type="checkbox"/> Other potential nuisance:	<input type="checkbox"/> Other potential nuisance:	<input type="checkbox"/> Other potential nuisance:

Visual Monitoring Log Sheet

Agency	FRESNO MOSQUITO + VLD	Location/TRS - Site No	36.851233 -119.845286
Applicator Name	GARY BYRNE #2	Water Body Name	FL @ FIG GARDEN GOLF
Date of Application	7-6-12	Water Body Type	<input type="checkbox"/> Creek/Stream <input type="checkbox"/> Slough/Natural Drain <input type="checkbox"/> River <input type="checkbox"/> Riparian Seepage/Depression <input type="checkbox"/> Vernal Pool <input type="checkbox"/> Natural or Recharge Pond <input type="checkbox"/> Marsh/Wetland <input type="checkbox"/> Native Ground/Rangeland <input checked="" type="checkbox"/> Constructed Wetland/Pond FL
Pesticide Type	<input checked="" type="checkbox"/> Larvicide <input type="checkbox"/> Adulticide		
Pesticide Name	VECTOBAC G		

Background Monitoring	Event Monitoring	Post-Event Monitoring	
Monitoring Date -Time	7-6-12 9:00 AM	7-6-12 1:30 PM	7-10-12 9:30 AM
Monitor Name (s)	ROY BENAVIDES	GARY BYRNE	ROY BENAVIDES
√ ALL that apply ↓			
Current Weather: Sky	<input checked="" type="checkbox"/> Clear/sunny <input type="checkbox"/> Partly cloudy <input type="checkbox"/> Overcast <input type="checkbox"/> Hazy	<input checked="" type="checkbox"/> Clear/sunny <input type="checkbox"/> Partly cloudy <input type="checkbox"/> Overcast <input type="checkbox"/> Hazy	<input checked="" type="checkbox"/> Clear/sunny <input type="checkbox"/> Partly cloudy <input type="checkbox"/> Overcast <input type="checkbox"/> Hazy
Precipitation	<i>N/A</i> <input type="checkbox"/> Foggy <input type="checkbox"/> Drizzle <input type="checkbox"/> Intermittent showers <input type="checkbox"/> Steady rain	<input type="checkbox"/> Foggy <input type="checkbox"/> Drizzle <input type="checkbox"/> Intermittent showers <input type="checkbox"/> Steady rain	<input type="checkbox"/> Foggy <input type="checkbox"/> Drizzle <input type="checkbox"/> Intermittent showers <input type="checkbox"/> Steady rain
Wind & Temperature	<input checked="" type="checkbox"/> Calm <input type="checkbox"/> Light breeze <input type="checkbox"/> Gusty <input type="checkbox"/> Cool <input checked="" type="checkbox"/> Warm <input type="checkbox"/> Hot	<input checked="" type="checkbox"/> Calm <input type="checkbox"/> Light breeze <input type="checkbox"/> Gusty <input type="checkbox"/> Cool <input type="checkbox"/> Warm <input checked="" type="checkbox"/> Hot	<input checked="" type="checkbox"/> Calm <input type="checkbox"/> Light breeze <input type="checkbox"/> Gusty <input type="checkbox"/> Cool <input type="checkbox"/> Warm <input checked="" type="checkbox"/> Hot
Water Color: √ ONE	<input type="checkbox"/> Colorless <input checked="" type="checkbox"/> Green <input type="checkbox"/> Brown <input type="checkbox"/> Yellow <input type="checkbox"/> Other:	<input type="checkbox"/> Colorless <input checked="" type="checkbox"/> Green <input type="checkbox"/> Brown <input type="checkbox"/> Yellow <input type="checkbox"/> Other:	<input type="checkbox"/> Colorless <input checked="" type="checkbox"/> Green <input type="checkbox"/> Brown <input type="checkbox"/> Yellow <input type="checkbox"/> Other:
Water Clarity: √ ONE	<input type="checkbox"/> Clear (can see bottom) <input type="checkbox"/> Cloudy <input type="checkbox"/> Murky	<input type="checkbox"/> Clear (can see bottom) <input type="checkbox"/> Cloudy <input type="checkbox"/> Murky	<input type="checkbox"/> Clear (can see bottom) <input type="checkbox"/> Cloudy <input type="checkbox"/> Murky
√ ALL that apply ↓			
Water Content	<input checked="" type="checkbox"/> Floating or suspended matter ALGAE	<input checked="" type="checkbox"/> Floating or suspended matter ALGAE, CORN COBS	<input checked="" type="checkbox"/> Floating or suspended matter ALGAE
	<input checked="" type="checkbox"/> Bottom deposits ORGANIC DEBRIS	<input checked="" type="checkbox"/> Bottom deposits ORGANIC DEBRIS	<input checked="" type="checkbox"/> Bottom deposits ORGANIC DEBRIS
	<input checked="" type="checkbox"/> Aquatic life WATER BEETLES, FISH	<input checked="" type="checkbox"/> Aquatic life WATER BEETLES, FISH	<input checked="" type="checkbox"/> Aquatic life WATER BEETLES, FISH
	<input type="checkbox"/> Water surface oils	<input type="checkbox"/> Water surface oils	<input type="checkbox"/> Water surface oils
	<input type="checkbox"/> Fungi, slimes, or objectionable growths	<input type="checkbox"/> Fungi, slimes, or objectionable growths	<input type="checkbox"/> Fungi, slimes, or objectionable growths
	<input type="checkbox"/> Other potential nuisance:	<input type="checkbox"/> Other potential nuisance:	<input type="checkbox"/> Other potential nuisance:

Visual Monitoring Log Sheet

Agency	FRESNO MOSQUITO + VCD	Location/TRS - Site No	36.850227 - 119.903018
Applicator Name	GARY BYRNE #2	Water Body Name	FC @ SJ RIVER + TRESTLE
Date of Application	7-6-12	Water Body Type	<input type="checkbox"/> Creek/Stream <input type="checkbox"/> Slough/Natural Drain <input type="checkbox"/> River <input type="checkbox"/> Riparian Seepage/Depression <input type="checkbox"/> Vernal Pool <input type="checkbox"/> Natural or Recharge Pond <input type="checkbox"/> Marsh/Wetland <input type="checkbox"/> Native Ground/Rangeland <input checked="" type="checkbox"/> Constructed Wetland/Pond FC
Pesticide Type	<input checked="" type="checkbox"/> Larvicide <input type="checkbox"/> Adulticide		
Pesticide Name	VECTORBAC G		

Background Monitoring	Event Monitoring	Post-Event Monitoring	
Monitoring Date -Time	7-6-12 8:00 AM	7-6-12 2:30 PM	7-10-12 8:30 AM
Monitor Name (s)	ROY BENAVIDES	GARY BYRNE	ROY BENAVIDES
√ ALL that apply ↓			
Current Weather: Sky	<input checked="" type="checkbox"/> Clear/sunny <input type="checkbox"/> Partly cloudy <input type="checkbox"/> Overcast <input type="checkbox"/> Hazy	<input checked="" type="checkbox"/> Clear/sunny <input type="checkbox"/> Partly cloudy <input type="checkbox"/> Overcast <input type="checkbox"/> Hazy	<input checked="" type="checkbox"/> Clear/sunny <input type="checkbox"/> Partly cloudy <input type="checkbox"/> Overcast <input type="checkbox"/> Hazy
Precipitation N/A	<input type="checkbox"/> Foggy <input type="checkbox"/> Drizzle <input type="checkbox"/> Intermittent showers <input type="checkbox"/> Steady rain	<input type="checkbox"/> Foggy <input type="checkbox"/> Drizzle <input type="checkbox"/> Intermittent showers <input type="checkbox"/> Steady rain	<input type="checkbox"/> Foggy <input type="checkbox"/> Drizzle <input type="checkbox"/> Intermittent showers <input type="checkbox"/> Steady rain
Wind & Temperature	<input checked="" type="checkbox"/> Calm <input type="checkbox"/> Light breeze <input type="checkbox"/> Gusty <input type="checkbox"/> Cool <input checked="" type="checkbox"/> Warm <input type="checkbox"/> Hot	<input checked="" type="checkbox"/> Calm <input type="checkbox"/> Light breeze <input type="checkbox"/> Gusty <input type="checkbox"/> Cool <input type="checkbox"/> Warm <input checked="" type="checkbox"/> Hot	<input checked="" type="checkbox"/> Calm <input type="checkbox"/> Light breeze <input type="checkbox"/> Gusty <input type="checkbox"/> Cool <input checked="" type="checkbox"/> Warm <input type="checkbox"/> Hot
Water Color: √ ONE	<input type="checkbox"/> Colorless <input checked="" type="checkbox"/> Green <input type="checkbox"/> Brown <input type="checkbox"/> Yellow <input type="checkbox"/> Other:	<input type="checkbox"/> Colorless <input checked="" type="checkbox"/> Green <input type="checkbox"/> Brown <input type="checkbox"/> Yellow <input type="checkbox"/> Other:	<input type="checkbox"/> Colorless <input checked="" type="checkbox"/> Green <input type="checkbox"/> Brown <input type="checkbox"/> Yellow <input type="checkbox"/> Other:
Water Clarity: √ ONE	<input checked="" type="checkbox"/> Clear (can see bottom) <input type="checkbox"/> Cloudy <input type="checkbox"/> Murky	<input checked="" type="checkbox"/> Clear (can see bottom) <input type="checkbox"/> Cloudy <input type="checkbox"/> Murky	<input checked="" type="checkbox"/> Clear (can see bottom) <input type="checkbox"/> Cloudy <input type="checkbox"/> Murky
√ ALL that apply ↓			
Water Content	<input checked="" type="checkbox"/> Floating or suspended matter ALGAE	<input checked="" type="checkbox"/> Floating or suspended matter ALGAE, CORN COBS	<input checked="" type="checkbox"/> Floating or suspended matter ALGAE
	<input type="checkbox"/> Bottom deposits	<input type="checkbox"/> Bottom deposits	<input type="checkbox"/> Bottom deposits
	<input checked="" type="checkbox"/> Aquatic life WATER BEETLES	<input checked="" type="checkbox"/> Aquatic life WATER BEETLES	<input checked="" type="checkbox"/> Aquatic life WATER BEETLES
	<input type="checkbox"/> Water surface oils	<input type="checkbox"/> Water surface oils	<input type="checkbox"/> Water surface oils
	<input type="checkbox"/> Fungi, slimes, or objectionable growths	<input type="checkbox"/> Fungi, slimes, or objectionable growths	<input type="checkbox"/> Fungi, slimes, or objectionable growths
	<input type="checkbox"/> Other potential nuisance:	<input type="checkbox"/> Other potential nuisance:	<input type="checkbox"/> Other potential nuisance: