

SVWQC Exceedance Report

DATE: August 13, 2007
TO: Jodi Pontureri, Central Valley Regional Water Quality Control Board
CC: Margaret Wong, Central Valley Regional Water Quality Control Board
Bill Croyle, Central Valley Regional Water Quality Control Board
Margie Read, Central Valley Regional Water Quality Control Board
FROM: Sacramento Valley Water Quality Coalition
SUBJECT: Water Quality Exceedances (Event 21)

EVENT DATE(s): June 19 - 20, 2007

- Storm Season Irrigation Season
 Field Measurements Laboratory Chemistry Analyses Aquatic Toxicity
 Sediment Toxicity (Pre-Irrigation Season) Sediment Toxicity (Post Irrigation Season)
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SAMPLE DATES AND SITES

The Sacramento Valley Water Quality Coalition (Coalition) conducted water sampling from June 19, 2007 through June 20, 2007 as required by the Irrigated Lands Conditional Waiver and the Coalition's Monitoring and Reporting Program Plan (MRP). The Upper Feather River Watershed Project Team (UFRW) also conducted irrigation season water sampling in June in coordination with Coalition monitoring. This event was an Irrigation Season sample event. This exceedance report includes results for the following analyses and sites:

Subwatershed	Site ID	Site	Sample Dates
Colusa Basin	LGNCR	Logan Creek at 4 Mile-Excelsior Rd	6/19/2007
Placer-Nevada-SSutter-NSacramento	CCBRW	Coon Creek at Brewer Road	6/19/2007
Shasta-Tehama	ACACR	Anderson Creek at Ash Creek Road	6/19/2007
Solano-Yolo	CCCPY	Cache Creek at Capay Diversion Dam	6/20/2007
Solano-Yolo	UCBRD	Ulatis Creek at Brown Road	6/20/2007
Solano-Yolo	WLSBP	Willow Slough Bypass at SP	6/19/2007
Upper Feather River	MFFGR	Middle Fork Feather R. above Grizzly Cr	6/5/2007

TEST TYPE AND RESULTS

Results evaluated for this Exceedance Report include results for *E. coli*, boron, and TDS. Exceedances and relevant objectives and limits used to interpret narrative objectives are provided in **Table 1**. Some of the laboratory reports including these results were delayed due to a laboratory oversight in completing some of the analyses for boron. The missing boron analyses were completed within the allowable hold time.

Exceedances that are being addressed by ongoing studies, management plans, or TMDLs include the following:

- *E. coli* exceedances are being investigated by a watershed-wide study of the biological sources of *E. coli* contamination.
- Exceedances of boron and TDS in the Solano-Yolo subwatershed are being addressed by an ongoing management plan.

FOLLOW-UP ACTIONS

In response to the observed exceedance of Basin Plan DO objectives, the following actions were implemented:

- Information regarding these exceedances will be provided to local growers in the affected subwatersheds through local outreach efforts.
- Discussion of additional follow-up actions will be initiated with the representatives of the affected subwatersheds as outlined in the Coalition's communication strategy document.
- For exceedances being addressed by ongoing management plans, studies, or TMDLs, no additional follow-up actions are proposed.
- Caltest Analytical Laboratory implemented additional sample log-in training as a correction measure to avoid omission of requested ILP analyses for future events.

Additional evaluation and discussion of these results will be reported in the subsequent Communication Report.

SCHEDULE AND SUBSEQUENT REPORT

A Communication Report documenting the initial results of follow-up evaluations and actions in response to these exceedances is required within 45 weekdays from the date of this exceedance report. Because this initial Exceedance Report was delayed by the need for the laboratory to re-analyze samples, the Communication Report will be provided by October 4, 2007, before the required 45-day turn-around time from this report.

Table 1. Exceedances of chemical and microbiological water quality objectives for samples collected in June 2007

Site ID	Sample Date	Analyte	Result	Units	WQO ¹	WQO Basis ²	Mgt Plan ³
LGNCR	06/19/2007	E. Coli	260	MPN/100mL	235	BPA	YES
LGNCR	06/19/2007 ⁽⁴⁾	E. Coli	310	MPN/100mL	235	BPA	YES
CCBRW	06/19/2007	E. Coli	260	MPN/100mL	235	BPA	YES
ACACR	06/19/2007	E. Coli	410	MPN/100mL	235	BPA	YES
CCCPY	06/20/2007	Boron	770	ug/L	700	A&W	YES
UCBRD	06/20/2007	E. Coli	> 2400	MPN/100mL	235	BPA	YES
UCBRD	06/20/2007	TDS	530	mg/L	500	BPN	YES
WLSBP	06/19/2007	Boron	1700	ug/L	700	A&W	YES
MFFGR	06/05/2007	E. Coli	370	MPN/100mL	235	BPA	YES

Notes:

1. Water Quality Objective or Narrative Interpretation Limit
2. WQO Basis:
Sources of Adopted Objectives: BP = Central Valley Basin Plan; BP PG Basin Plan Performance Goal; CTR = California Toxics Rule.
Sources of unadopted limits used to interpret Basin Plan narrative objectives: BPA = Basin Plan Amendment (unapproved); A&W = UN Agricultural Supply Goal (Ayers and Westcott, 1986); BPN = other narrative interpretation limits, including recommended 2^d MCLs and advisory limits.
3. Indicates whether site and parameter are currently being addressed by an ongoing management plan, study, or TMDL.
4. Replicate sample result