

SVWQC EXCEEDANCE REPORT

Final

DATE: January 21, 2025
TO: Olivia Mathews, Central Valley Regional Water Quality Control Board
CC: Petra Lee, Central Valley Regional Water Quality Control Board

FROM: Sacramento Valley Water Quality Coalition
SUBJECT: Water Quality Exceedances
SVWQC EVENT NUMBER: 222
EVENT DATES: November 20-21 & 24, 2024
EVENT TYPE: Wet season

SUMMARY OF EXCEEDANCES

The Sacramento Valley Water Quality Coalition (Coalition) conducted sampling on November 20-21 & 24, 2024 as required by the Irrigated Lands Waste Discharge Requirements (WDR) and the Coalition’s Monitoring and Reporting Program (MRP).

The observed exceedances of the ILRP Trigger Limits and planned follow-up actions are summarized in **Table 1**.

FOLLOW-UP ACTIONS

In response to the observed exceedances of the ILRP Trigger Limits, the following actions were taken or planned:

Information regarding these exceedances will be provided to local growers in the affected subwatershed through local outreach efforts.

For exceedances being addressed by an approved Management Plan, follow-up actions will be performed as established in those plans.

Relevant site observations will be evaluated for possible causes of any observed exceedances of DO or pH water quality objectives.

For exceedances of toxic pollutants and for toxicity exceedances where survival or algae growth are $\leq 80\%$ compared to control, chemical results will be reviewed for possible contributions to toxicity (as indicated in **Table 1**).

For toxicity and pesticide exceedances, pesticide applications preceding the sample dates will be investigated in the contributing drainage indicated in **Table 1** with the assistance of the local Agriculture Commissioners.

Toxicity Identification Evaluation (TIE) procedures are required to be initiated for Coalition samples with $\geq 50\%$ reductions in Ceriodaphnia or Pimephales survival or Selenastrum growth compared to control. TIEs are initiated on the first possible day following observance of $\geq 50\%$ mortality.

Definitive serial dilution tests are required for samples with 100% reductions in Ceriodaphnia or Pimephales survival compared to control. Tests are initiated on the first possible day following observance of 100% mortality.

Discussion of additional relevant follow-up actions will be initiated with the representatives of the affected subwatershed as outlined in the Coalition’s communication strategy document.

The results of follow-up actions in response to these exceedances will be documented in the Coalition’s Annual Report (May 2025).

TABLE 1: SUMMARY OF EXCEEDANCES

Exceedance Category	Sub-watershed	Site ID	Site	Replicate	Sample Date	Analyte	Units	Result	Trigger Limits ¹	Follow-up Evaluations							
										Existing or Triggered Management Plan	New Management Plan Triggered	Evaluate Relevant Site Conditions	Follow-up Chemistry Analysis	Review Chemistry Results	Review Pesticide Applications	Compare to Toxicity Results	Toxicity Identification Evaluation and/or Serial Dilution
Field Measures	Yolo	WLSPL	Willow Slough Bypass at Pole Line	1	11/21/2024	Conductivity	µS/cm	1129	700	X	-	X	-	-	-	-	-
<i>Field Measures</i>	<i>Yolo</i>	<i>WLSPL</i>	<i>Willow Slough Bypass at Pole Line</i>	<i>1</i>	<i>11/21/2024</i>	<i>Discharge²</i>	<i>CFS</i>	<i>3.86</i>	<i>NA</i>	-	-	-	-	-	-	-	-
Field Measures	Solano	UCBRD	Ulatis Creek at Brown Road	1	11/20/2024	Conductivity	µS/cm	949	700	X	-	X	-	-	-	-	-
<i>Field Measures</i>	<i>Solano</i>	<i>UCBRD</i>	<i>Ulatis Creek at Brown Road</i>	<i>1</i>	<i>11/20/2024</i>	<i>Discharge²</i>	<i>CFS</i>	<i>NA⁽³⁾</i>	<i>NA</i>	-	-	-	-	-	-	-	-
Chemical Results	<i>Solano</i>	UCBRD	Ulatis Creek at Brown Road	1	11/20/2024	E. Coli	MPN/100mL	1203.3	235	X	-	-	-	-	-	-	-
Chemical Results	<i>ShastaTehama</i>	ACACR	Anderson Creek at Ash Creek Road	1	11/20/2024	E. Coli	MPN/100mL	410.6	235	X	-	-	-	-	-	-	-
Chemical Results	<i>ColusaGlenn</i>	FRSHC	Freshwater Creek at Gibson Rd	1	11/21/2024	E. Coli	MPN/100mL	416	235	X	-	-	-	-	-	-	-
Chemical Results	<i>ColusaGlenn</i>	FRSHC	Freshwater Creek at Gibson Rd	2	11/21/2024	E. Coli	MPN/100mL	517.2	235	X	-	-	-	-	-	-	-
Chemical Results	<i>PNSSNS</i>	CCBRW	Coon Creek at Brewer Road	1	11/21/2024	E. Coli	MPN/100mL	866.4	235	X	-	-	-	-	-	-	-
Chemical Results	<i>ButteYubaSutter</i>	LSNKR	Lower Snake R. at Nuestro Rd	1	11/21/2024	E. Coli	MPN/100mL	1986.3	235	X	-	-	-	-	-	-	-
Toxicity (Water)	<i>No toxicity in the water column was observed this event</i>																

Table Notes:
 1 Water Quality Objective or Narrative Interpretation Limits for ILRP.
 2 Discharge and/or velocity measurements are provided as relevant site conditions when field measurements exceed water quality objectives. Discharge and velocity measurements do not constitute exceedances themselves, because they are not associated with flow objectives.
 3 Unable to deploy flow meter; velocity estimated at <1.42 ft/s based on surface debris