SVWQC EXCEEDANCE REPORT ***Final***

DATE:	July 28, 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:	228
EVENT DATES:	May 20-21 & 23, 2025
EVENT TYPE:	Irrigation season

SUMMARY OF EXCEEDANCES

The Sacramento Valley Water Quality Coalition (Coalition) conducted sampling on May 20-21 & 23, 2025 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 organism survival or algae growth show a significant percent effect under the Test of Significant Toxicity (TST) method as compared to the control, contemporaneous chemical concentrations will be reviewed to determine the potential to contribute to the observed 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 ≥50% reductions in Ceriodaphnia or Pimephales survival or Selenastrum growth compared to control. TIEs are initiated on the first possible day following observance of ≥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

										Follow-up Evaluations							
Exceedance Category	Sub-watershed	Site ID	Site	Replicate	Sample Date	Analyte	Units	Result	Trigger Limits[1]	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	Solano	UCBRD	Ulatis Creek at Brown Road	1	5/20/2025	Conductivity	µS/cm	817	700	X	-	X	-	-	-	-	-
Field Measures	Solano	UCBRD	Ulatis Creek at Brown Road	1	5/20/2025	Dissolved Oxygen	mg/L	6.66	7	X	-	X	-	-	-	-	-
Field Measures	*Solano*	*UCBRD*	*Ulatis Creek at Brown Road*	*1*	*5/20/2025*	*Discharge [2]*	*CFS*	*15.36*	*NA*	-	-	-	-	-	-	-	-
Field Measures	ShastaTehama	ACACR	Anderson Creek at Ash Creek Road	1	5/20/2025	Conductivity	µS/cm	722	700	X	-	X	-	-	-	-	-
Field Measures	*ShastaTehama*	*ACACR*	Anderson Creek at Ash Creek Road	*1*	*5/20/2025*	*Discharge [2]*	*CFS*	*26.16*	*NA*	-	-	-	-	-	-	-	-
Chemical Results	Solano	UCBRD	Ulatis Creek at Brown Road	1	5/20/2025	E. Coli	MPN/100mL	>2419.6	235	X	-	-	-	-	-	-	-
Chemical Results	Solano	UCBRD	Ulatis Creek at Brown Road	1	5/20/2025	Pyrethroid Pesticides	CGUchronic	2	1	X	-	-	-	-	X	X	-
Chemical Results	ShastaTehama	ACACR	Anderson Creek at Ash Creek Road	1	5/20/2025	E. Coli	MPN/100mL	816.4	235	X	-	-	-	-	-	-	-
Chemical Results	SacramentoAmador	GIDLR	Grand Island Drain near Leary Road	1	5/21/2025	E. Coli	MPN/100mL	408.3	235	X	-	-	-	-	-	-	-
Chemical Results	ButteYubaSutter	PNCBL	Pine Creek at Boat Launch	1	5/20/2025	Pyrethroid Pesticides	CGUchronic	2	1	X	-	-	-	-	X	X	-
Chemical Results	ButteYubaSutter	PNCBL	Pine Creek at Boat Launch	2	5/20/2025	Pyrethroid Pesticides	CGUchronic	2	1	X	-	-	-	-	X	X	-
Chemical Results	ButteYubaSutter	LSNKR	Lower Snake R. at Nuestro Rd	1	5/20/2025	Pyrethroid Pesticides	CGUchronic	2	1	X	-	-	-	-	X	X	-
Chemical Results	ButteYubaSutter	LHNCT	Lower Honcut Creek at Hwy 70	1	5/20/2025	Pyrethroid Pesticides	CGUchronic	2	1	X	-	-	-	-	X	X	-
Toxicity (Water)	ButteYubaSutter	LSNKR	Lower Snake R. at Nuestro Rd	1	5/20/2025	Hyalella survival	% of control	53	Significant toxicity	-	-	-	-	X	X	-	-
Toxicity (Water)	ButteYubaSutter	LHNCT	Lower Honcut Creek at Hwy 70	1	5/20/2025	Hyalella survival	% of control	63	Significant toxicity	-	-	-	-	X	X	-	-
Toxicity (Water)	ButteYubaSutter	LHNCT	Lower Honcut Creek at Hwy 70	2	5/20/2025	Hyalella survival	% of control	63	Significant toxicity	-	-	-	-	X	X	-	-
Toxicity (Sediment)	*No toxicity in the sediment was observed this event*																

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.