

**EXECUTIVE OFFICER'S REPORT**

**14 OCTOBER 2022**

**California Regional Water Quality Control Board  
Central Valley Region**

**Patrick Pulupa, Executive Officer**



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# SUCCESS STORIES

## SITE CLEANUP PROGRAM

Following are sites where Board staff concluded that the residual contaminants in soil, soil gas, or groundwater no longer pose a threat to human health or the environment. Where necessary, a land use covenant was recorded with the relevant County Agency to ensure site conditions remain protective of beneficial uses.

### SACRAMENTO

#### **DICKEY PETROLEUM, 385 SOUTH HIGHWAY 59, MERCED, MERCED COUNTY**

Staff issued a public notice of proposed case closure between 20 June and 19 August 2022. Staff mailed the notice to the owners and occupants of the Site property and the surrounding properties. Staff posted the notice on the Central Valley Water Board UST - Decisions Pending & Case Closures website. Staff did not receive comments from the public.

#### **FORMER CHROME CRAFT FACILITY, 1819 23RD STREET, SACRAMENTO, SACRAMENTO COUNTY**

In 1991, Chrome Craft discovered a leak in the secondary containment and process infrastructure which housed chrome-plating dip tanks. Upon discovery, Chrome Craft repaired the leak and began delineating the extent of hexavalent chromium contamination in soil and groundwater. In 2004, Chrome Craft excavated 500 cubic yards of contaminated soil below the dip tank locations to a depth of 18 feet, approximately the depth of first-encountered groundwater. Between 2004 and 2020, Chrome Craft periodically treated hexavalent chromium impacted groundwater with carbon amendments including MRX, a proprietary slow-release carbon compound, and cheese whey. Hexavalent chromium concentrations emanating from the site were initially observed at concentrations as high as 370,000 ug/L. Upon conclusion of groundwater treatments in 2020, the highest observed hexavalent chromium concentration was consistent with naturally occurring background concentrations (less than 10 ug/L), while hexavalent chromium was not detected in multiple down-gradient wells. Chrome Craft used per- and perfluoroalkyl substances as a plating tank fume suppressant between 1993 and 2000, and promptly complied with the October 2019 State Board PFAS Order for Chrome Platers. PFAS was detected at concentrations below the applicable response levels for perfluoro octane sulfonic acid (PFOS), perfluorooctanoic acid (PFOA), and perfluoro butane sulfonic acid (PFBS). Given that Chrome Craft's use of PFAS ceased prior to source excavation intended to remove hexavalent chromium, the PFAS source area was also removed, if present. A Conditional No Further Action letter was issued on 25 August 2022.

**PACIFIC CAR WASH, 4405 PACIFIC AVENUE, STOCKTON, SAN JOAQUIN COUNTY**

Staff issued a public notice of proposed case closure between 27 June and 26 August 2022. Staff mailed the notice to the owners and occupants of the Site property and the surrounding properties. Staff posted the notice on the Central Valley Water Board UST- Decisions Pending & Case Closures website. Staff did not receive comments from the public.

**PACIFIC PRIDE SOUTH EL DORADO, 3147 EL DORADO STREET, STOCKTON, SAN JOAQUIN COUNTY**

Staff issued a public notice of proposed case closure between 5 July and 3 September 2022. Staff mailed the notice to the owners and occupants of the Site property and the surrounding properties. Staff posted the notice on the Central Valley Water Board UST- Decisions Pending & Case Closures website. Staff did not receive comments from the public.

**RALEYS WEST SACRAMENTO, 1601 WEST CAPITOL AVENUE, WEST SACRAMENTO, YOLO COUNTY**

The Site is currently a Raley's grocery store and a key sales kiosk. Before the 1960s, the Site contained a gasoline station on the northwest corner of the property, an auto repair facility on the west side of the property, and a truck repair facility on the southwest side of the property. Brusca & Associates completed a Phase I in September 2017, a Phase II in March 2019, an additional Site investigation in July 2020, two indoor air investigations in July 2020 and February 2021, and an additional investigation of chlorinated volatile organic compounds (CVOCs) in January 2021. To protect human health from the CVOCs beneath the parking lot, the property owner recorded a land use covenant to the Site property on 12 January 2022 restricting future development of the parking lot area. Because groundwater impacts are localized beneath the parking lot and human health is protected, Central Valley Water Board staff recommended closing the Site Cleanup Program case. Following the public notification activities, Central Valley Water Board staff closed the case on 24 August 2022.

**R ST TEXACO AND PACIFIC PRIDE CARDLOCK STATION, 1415 AND 1455 R STREET, STOCKTON, SAN JOAQUIN COUNTY**

Staff issued a public notice of proposed remediation between 27 June and 27 July 2022. Staff mailed the notice to the owners and occupants of the Site property and the surrounding properties. Staff posted the notice on the Central Valley Water Board UST- Decisions Pending & Case Closures website. Staff did not receive comments from the public.

**SHELL #204-7524-3505, 2575 COUNTRY CLUB ROAD, STOCKTON, SAN JOAQUIN COUNTY**

Staff issued a public notice of proposed case closure between 11 July and 12 September 2022. Staff mailed the notice to the owners and occupants of the Site property and the surrounding properties. Staff posted the notice on the Central Valley Water Board UST-Decisions Pending & Case Closures website. Staff did not receive comments from the public.

**TAYLOR SHOPPING CENTER, 2752 MARCONI AVENUE, SACRAMENTO, SACRAMENTO COUNTY**

Site Cleanup Program staff have been working with the current and former property owners since 2018 to address contamination resulting from the release of the dry-cleaning solvent tetrachloroethylene (PCE) at the Taylor Center property on Marconi Avenue in Sacramento. Contamination in soil vapor was first discovered at the property during a Phase II Site Investigation in 2016, with PCE detected at up to 25,800 micrograms per cubic meter at that time. A soil vapor extraction system was installed in 2016 and operated from 2018 through 2019. Also in 2019, a portion of the slab underneath the former dry-cleaner suite was removed, contaminated soil was excavated, and a sub-slab vent was installed. Following remediation, several rounds of soil vapor and indoor air sampling were conducted through 2022 to confirm that any remaining contamination does not pose a risk to current or future occupants of the site, and a Conditional No Further Action letter was issued on 1 September 2022. Following destruction of the soil vapor sampling probes, a final No Further Action Determination Letter was issued on 14 September 2022.

**FRESNO**

**FUEL DEPOT (FORMER SHELL), 36270 SOUTH LASSEN AVENUE, HURON FRESNO COUNTY**

The Site is currently operated as an automotive repair facility and was previously a gasoline service station. Two 2,000-gallon gasoline, one 1,000-gallon gasoline, and one 150-gallon diesel USTs, and associated piping/dispensers, were removed in June 1993. Soil sample analytical results indicated the presence of gasoline and diesel constituents. An undocumented gasoline and diesel mass in contaminated soil was removed by excavation.

In June 2014, four soil gas monitoring points were installed and sampled. Benzene, ethylbenzene, or naphthalene concentrations did not exceed the Low-Threat Closure Policy's Vapor Intrusion to Indoor Air criteria. The vertical and lateral extent of the release was defined by sampling of eight soil borings to approximately 60 feet bgs in June 2020. The vertical extent of impacted soil was determined to be approximately 25 feet bgs. Groundwater was not encountered. Shallow soil sample analytical data indicated the Low-Threat Closure Policy's Direct Contact and Outdoor Air Exposure criteria were met.

Secondary source has been removed to the extent practicable. Based on the excavation of contaminated soil in June 1993, gasoline and diesel concentrations remaining in soil, and the absence of groundwater impact, residual petroleum hydrocarbons should not present a threat to human health, the environment, or beneficial uses of groundwater. All technically and economically feasible cleanup has been completed. Following the public notification and soil gas well destruction, Central Valley Water Board staff closed the case on 29 July 2022.

#### **J.R. SIMPLOT-BENA, 23500 BENA RD., ARVIN, KERN COUNTY**

The Site was developed in 1961 as a phosphate fertilizer manufacturing facility. The fertilizer manufacturing process generated wastewater which was discharged to unlined impoundments until 1984. Wastewater samples had elevated salt concentrations, uranium, gross alpha, and total radium counts that were above regulatory limits for drinking water. Site assessments completed in 2018 through 2021 concluded that EC, sulfate, and phosphate concentrations in a perched groundwater zone were at background concentrations, uranium concentrations were below regulatory limits for drinking water, and residual gross alpha, gross beta, and radium counts in excess of background were limited to the shallow perched groundwater zone within the footprint of the Site. A clay aquitard immediately beneath the perched groundwater zone was determined to be an effective barrier to the vertical migration of groundwater from the perched groundwater zone to underlying aquifers. Central valley water Board staff concluded that the Site does not pose a significant threat to human health, or the environment and that surface water and groundwater uses were not threatened. California Department of Public Health Radiologic Health Branch, Radiological Assessment Unit reviewed the case and determined that no excess risk was identified and concurred with case closure. A case closure letter was issued on 9 September 2022.

#### **LIBERTY FARMS, EAST UTICA AVE. & 10<sup>TH</sup> AVE., CORCORAN, KINGS COUNTY**

The Site consists of a large farm compound with numerous structures in an area of irrigated agriculture. Gasoline and diesel fuel were discovered beneath aboveground storage tanks, impacting shallow soil and groundwater at a depth of less than ten feet. A continuous 4 feet thick clay layer underlies the impacted soil and groundwater. Shallow groundwater beneath the Site was de-designated in December 2017 for municipal and agricultural beneficial uses. The buildings on Site were razed or had doors removed to allow for ample ventilation to prevent the accumulation of vapors, thus addressing potential health threats from soil vapor migration to indoor air. Downward migration of the residual petroleum hydrocarbons is unlikely, given the thick and laterally extensive low permeability clay layer and opportunity for natural attenuation of petroleum hydrocarbons. A Land Use Covenant was recorded for the Site, which restricts the use of groundwater beneath the Site and requires written Central Valley Water Board staff approval for excavation/drilling to depths greater than four feet below ground surface or for construction of residential housing in the encumbered area. A case closure letter was issued on 24 August 2022.

## **LOOP RANCH, 22800 BROOME ROAD, KEENE, KERN COUNTY**

Central Valley Water Board staff began a public comment period on the proposed case closure on 20 June 2022, ending on and 20 August 2022. The notice was mailed to the parties in the vicinity of the Site, record owners of fee title, municipal water districts, agencies with authority to issue building permits, and other interested parties, posted on the Central Valley Water Board website UST-Decisions Pending & Case Closures webpage, and uploaded to Geotracker. Comments against closure were not received.

## **WILBUR ELLIS COMPANY, 2903 S. CEDAR AVE., FRESNO, FRESNO COUNTY**

The Site has been used for agricultural chemical formulation and distribution since the 1940s. Historically, a site pesticide release was assessed, cleaned up, and the case closed. Subsequently, based on a third-party report of a historical on-site release of soil fumigant and the persistence of 1,2,3-trichloropropane (TCP) in site soil, Central Valley Water Board staff issued a 16 January 2020 13267 Order requiring a report of the extent TCP in soil and groundwater. Only traces of TCP were subsequently reported in soil and in one (of seven) groundwater samples, at a concentration slightly above the maximum contaminant level (MCL) for drinking water. No other volatile organic compounds or pesticides were detected. Based on the results of the assessments, the residual concentrations of TCP do not present a current or future threat to the beneficial uses of groundwater. Following completion of a public notice of proposed case closure and response to comments received a case closure letter was issued on 24 August 2022.

## **STAFF RECOGNITION**

### **SUPERIOR ACCOMPLISHMENT AWARDS**

At the 11 August 2022 Board Meeting, Executive Officer Pulupa presented a Superior Accomplishment Award to the following staff:

**EMPLOYEE: COURTNEY KASICH**

**UNIT: ADMIN**

**LOCATION: REDDING OFFICE**

**TITLE: STAFF SERVICES ANALYST**

**SUPERVISOR: CLINT SNYDER, P.G., ASSISTANT EXECUTIVE OFFICER**

The Central Valley Water Board's Redding office management team is pleased to select Courtney Kasich for the Superior Accomplishment Award. Courtney is a Staff Services Analyst in the Redding office and is being recognized for her outstanding performance. Courtney joined the Central Valley Water Board in October 2017 and is a key member of the Redding Administrative Unit.

The Redding Admin Unit includes two full time positions, and two part time seasonal clerks. Its responsibilities are varied, providing invaluable service to about 55 employees who rely on the Unit for facilities management, fleet management, document

production and training needs, ordering supplies, and a whole host of miscellaneous tasks essential to the office's operations.

Courtney is a key member of that team. She is always willing to assist anywhere she is needed and is enthusiastic about continually looking for ways to improve internal and region-wide administrative processes. She has played a huge role in developing a highly productive and cohesive team that can quickly adapt when responding to last minute requests or in the absence of Unit staff. This ability has been demonstrated many times over the past couple of years during wildfire events, Board tours and meetings, and the COVID pandemic.

Courtney's willingness to help others, along with her exceptionally positive attitude and professionalism when working with everyone she encounters are most appreciated. She is deserving of this recognition for her work and her contributions to the Central Valley Water Board. We are grateful to have Courtney as part of the Redding team!

**EMPLOYEE: LAUREN SMITHERMAN**  
**UNIT: PLANNING**  
**LOCATION: SACRAMENTO OFFICE**  
**TITLE: SENIOR ENVIRONMENTAL SCIENTIST SUPERVISOR**  
**SUPERVISOR: MEREDITH HOWARD**

Lauren Smitherman is a highly valued member of the Planning Section at the Central Valley Water Board. She is being recognized for her efforts in leading the Tribal Beneficial Uses project and the Mercury Program, including the reconsideration of the Sacramento-San Joaquin Delta Methylmercury Control Program—all of which are high priority programs and projects for the Central Valley Water Board.

Lauren took over the Tribal Beneficial Uses project at a time when Tribes were unsatisfied with the direction of the project. She quickly changed the approach based on their feedback and increased the communication and transparency of the project with Tribes and Tribal organizations. She ensured that Tribes have more opportunity to provide input and that staff thoughtfully consider Tribal culture, suggestions, and perspectives in the Board's approach to designate waterbodies for Tribal Beneficial Uses. She also led the development of a Tribal Beneficial Use Primer that explains the basin plan amendment process to increase Tribes' understanding of the process to designate waterbodies for these uses. Through all these efforts, she has implemented one of the Central Valley Water Board's Strategic Plan objectives, Strategic Engagement with Underserved and Underrepresented Communities.

For the Mercury Program, she developed a draft Region-wide Mercury Strategy with staff to support a collaborative, effective approach to address mercury impairments while satisfying state and federal regulations efficiently. This effort is well aligned with the Central Valley Water Board's Strategic Plan objective of Adaptive Prioritization.

Lauren's leadership skills have been a critical asset to creating a cohesive unit of staff that work together to solve complex technical issues while employing sensitivity toward



political ones. Instrumental in the successes of the Tribal Beneficial Uses project and Mercury Program, Lauren is well deserving of the superior accomplishment recognition and is a true champion for implementing the Central Valley Water Board's mission.

## **EMPLOYEE RECOGNITION AWARDS AUGUST 2022 THROUGH SEPTEMBER 2022**

At the 10 August All Staff Meeting in the Fresno office, Assistant Executive Officer Clay Rodgers presented the following Employee Recognition Award:

**EMPLOYEE: CAMERON ALFVING**  
**UNIT: SURFACE WATER AMBIENT MONITORING PROGRAM**  
**LOCATION: FRESNO OFFICE**  
**TITLE: ENVIRONMENTAL SCIENTIST**  
**SUPERVISOR: KRISTEN GOMES**

Cameron has been working in the Fresno office, handling the Surface Water Ambient Monitoring Program (SWAMP) duties for three years. Recently, he has led the efforts to collect harmful algal bloom and recreational beneficial use assessment samples from Eastman and Hensley Lakes, Lake Kaweah, and the San Joaquin and Kings Rivers.

Cameron also provided a prompt response to an inquiry from the public about the recent presence of algal blooms in surface water in Three Rivers. He also provided training and guidance to the Three Rivers Community Services District to collect samples at the Slick Rock Recreation Area at Lake Kaweah. His training duties also included training the San Joaquin River Conservancy on how to collect cyanobacteria samples at Sycamore Island on the San Joaquin River.

Cameron also assists with scheduling the SWAMP's Scientific Aids for both field sampling and data analysis.

Cameron is a great asset to the Fresno office's SWAMP program and is very dependable. He works independently with minimal oversight and limited resources of the SWAMP program. He prioritizes his monitoring efforts and data analysis efficiently to evaluate the physical, chemical, and biological integrity of the State's waters.

## **ENFORCEMENT**

Enforcement is a critical ingredient in creating deterrence needed to encourage the regulated community to anticipate, identify, and correct violations. Appropriate penalties and other consequences for violations offer some assurance of equity between those who choose to comply with requirements and those who violate them. It also improves public confidence when government is ready, willing, and able to back up its requirements with action. This section of the EO Report is intended to inform the Board and the public on enforcement efforts since the last EO Report was issued. For this reporting period, the following sections provide: 1) a summary of enforcement orders issued; and 2) a summary of all enforcement actions issued.

## ORDERS AND COMPLAINTS ISSUED OR ADOPTED

Enforcement Table 1, included below, provides a summary of all the Enforcement Orders (Cleanup and Abatement Orders; Cease and Desist Orders (CDOs); 13267 Investigative Orders; Expedited Payment Letters (EPLs); and Administrative Civil Liability (ACL) Orders and Complaints) that have been issued by the Central Valley Regional Board or staff since the previous EO Report and that are recorded in the California Integrated Water Quality System (CIWQS) database. Enforcement Table 1, included below, provides a summary of all the Enforcement Orders (Cleanup and Abatement Orders; Cease and Desist Orders (CDOs); 13267 Investigative Orders; Expedited Payment Letters (EPLs); and Administrative Civil Liability (ACL) Orders and Complaints) that have been issued by the Central Valley Regional Board or staff since the previous EO Report and that are recorded in the California Integrated Water Quality System (CIWQS) database.

**Enforcement Table 1 – Central Valley Enforcement Orders  
1 July 2022 through 30 August 2022**

Action Date	Agency	County	Notes
7/6/2022	City of Grass Valley	Nevada County	EPL R5-2022-0506 issued in the amount of \$18,000 which represents the sum of minimum mandatory penalties (MMPs) for serious effluent violations which occurred between 1 January 2021 and 31 December 2021.
7/15/2022	Waterworks Aquatic Management	Sacramento County	ACL R5-2022-0502 in the amount of \$20,000 addresses violations of the Statewide General National Pollutant Discharge Elimination System (NPDES) Permit for Residual Aquatic Pesticide Discharges to Waters of the United States from Algae and Aquatic Weed Control Applications, Order No. 2013-002-DWQ (Aquatic Pesticide General Order or Order). EPL converted to an ACL upon execution by the Central Valley Water Board's Executive Officer.
7/15/2022	Yinan Zhang	Shasta County	CAO R5-2022-0702 issued after CAL FIRE observed a residential structure that was consumed by fire and noted that within the burned area of the structure, there was evidence of indoor marijuana cultivation operation. Subsequently, the case was referred to the Central Valley Water Board for further enforcement. Board staff issued several enforcement letters requesting the owner to

Action Date	Agency	County	Notes
			remove contaminated soil. However, the property owner failed to comply with the enforcement actions. CAO was needed to ensure that the property owner completes investigation of the site and remove the contaminated soil from the site. The Order will require the discharger to submit Soil Excavation Work Plan and remove the contaminated soil from the site.
8/2/22	City of Clovis	Fresno County	Stipulation of Entry of Administrative Civil Liability Order (Stipulated Order) R5-2022-0501 in the amount of \$75,00 000 which represents the sum of MMPs for serious effluent violations which occurred between 1 January 2010 and 31 July 2020. The Discharger agreed to pay \$37,500 to the State Water Pollution Cleanup and Abatement Account and the remaining \$37,500 shall be permanently suspended on completion of Supplemental Environmental Project (SEP). The SEP proposes to provide additional support and enhancement to high quality habitat by improving plant biodiversity along the San Joaquin River Parkway.

**ENFORCEMENT UPDATE**

Enforcement Table 2 below summarizes the enforcement actions issued in all Regions for the period between 1 July 2022 through 31 August 2022. From a statewide perspective, Region 5 is responsible for 21% of the enforcement actions tracked in CIWQS during this period including 39% of all NOV's, 33% of all CAO, and 13% of all ACLs.

**Enforcement Table 1 – Statewide Enforcement Actions in CIWQS  
1 July 2022 through 31 August 2022**

Region	13267	NNC	ACL	CAO	EPL	NOV	SEL	TSO	UNK	VER	Total
1	1	5	4	1	0	20	1	0	0	1	33
2	0	0	2	0	0	0	1	0	0	0	3
3	0	0	0	1	0	7	0	0	1	0	9
4	0	0	2	0	12	37	0	4	0	1	56
5F	0	0	1	0	0	6	0	1	0	0	8
5R	0	0	0	1	0	15	0	0	0	0	16
5S	0	29	1	0	1	26	0	1	0	4	62
Total R5	0	29	2	1	1	47	0	2	0	4	86
6T	0	0	0	0	0	1	5	0	0	1	7
6V	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	1	1	0	0	0	0	2
8	0	190	1	0	2	5	2	1	3	5	209
9	1	0	4	0	0	4	2	0	0	0	11
<b>Total</b>	<b>2</b>	<b>224</b>	<b>15</b>	<b>3</b>	<b>16</b>	<b>122</b>	<b>11</b>	<b>7</b>	<b>4</b>	<b>12</b>	<b>416</b>

### **CV-SALTS ENFORCEMENT**

CV-SALTS enrollment has entered a new phase. The WDR Compliance and Enforcement team in Rancho Cordova was provided a list of non-enrolled participants for the nitrate control program by the CV-SALTS unit. The list includes Dischargers in the areas identified as priority one zones within the Southern San Joaquin Valley. Our list includes Wastewater Treatment Facilities, Food Processors, Wineries, Composters among others. The Compliance and Enforcement staff are engaged in outreach to these Dischargers. All 52 Dischargers on the list have been contacted, by phone as well as email. We have received multiple questions regarding the program, and as a result provided answers and guidance for enrollment. At this point in time, 12 Dischargers (23 percent) have successfully filed their NOI to participate in the program. Additional outreach is ongoing with the understanding that enforcement will occur swiftly if outreach efforts fail.

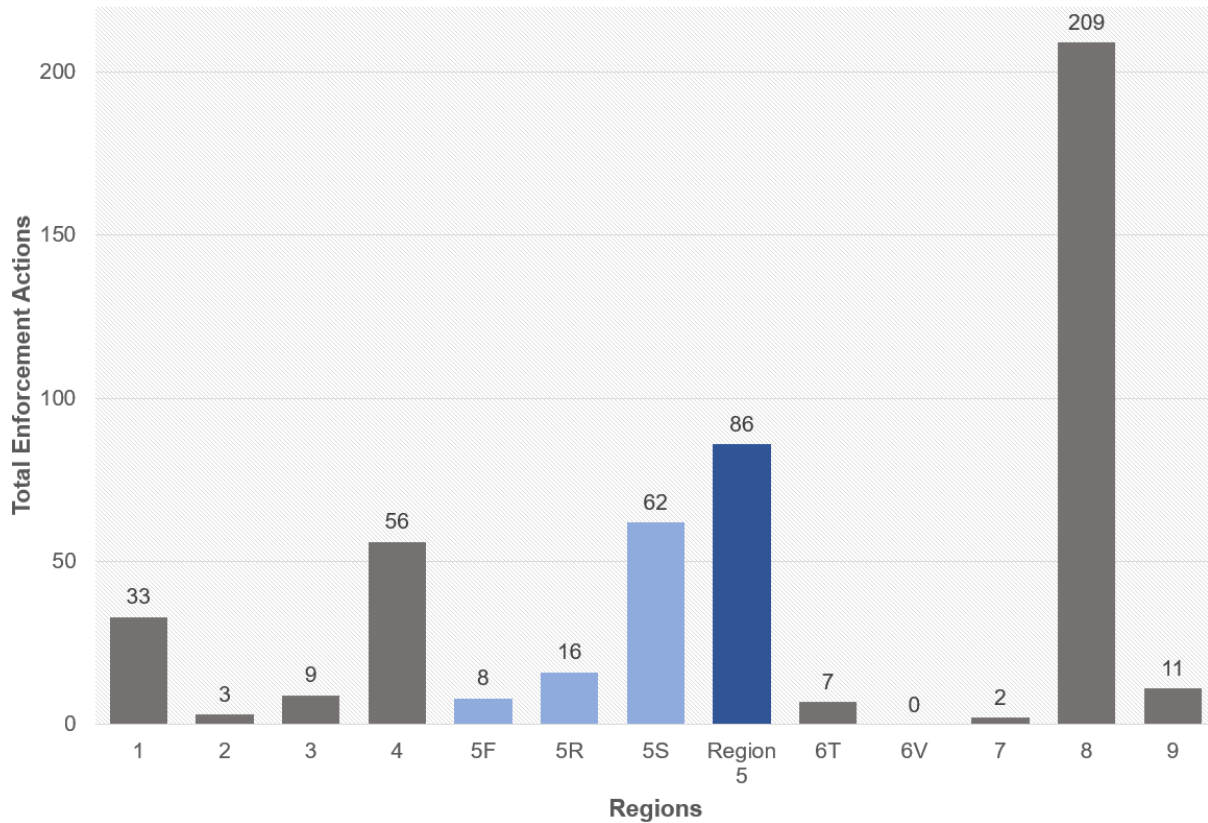
### **ENFORCEMENT ACTIONS:**

#### **ENFORCEMENT ACTIONS AND ABBREVIATIONS**

- VER - Verbal Communication
- SEL - Staff Enforcement Letter
- NOV - Notice of Violation
- NNC - Notice of Non-Compliance
- 13267 - Water Code Section 13267 Investigation Order
- TSO - Time Schedule Order

- CAO - Cleanup and Abatement Order
- CDO - Cease and Desist Action
- EPL - Expedited Payment Letter
- ACL - Administrative Civil Liability
- NTC - Notice to Comply

**Statewide Enforcement Actions By Regions**



**Enforcement Figure 1: Enforcement Actions – Statewide Enforcement Actions recorded in CIWQS 1 July 2022 through 31 August 2022**

In addition to the above, Enforcement Table 3 below summarizes enforcement actions recorded in GeoTracker and not in CIWQS:

**Enforcement Table 2 - Region 5 Enforcement Actions in GeoTracker  
1 July 2022 through 31 August 2022**

Region	13267	Letter – Notice	NOV	Staff Letter	VER	Total
5F	0	4	9	45	1	59
5R	0	0	1	20	0	21
5S	1	7	2	103	2	115
<b>Total</b>	<b>3</b>	<b>11</b>	<b>13</b>	<b>168</b>	<b>3</b>	<b>195</b>

Finally, the Board’s Irrigated Lands Regulatory Program (ILRP) does not upload enforcement actions into either the CIWQS or GeoTracker databases. For the period between 1 July 2022 through 31 August 2022, a summary of those enforcement actions is included in Table 4, below.

**Enforcement Table 3 – Region 5 ILRP Enforcement Actions  
1 July 2022 through 31 August 2022**

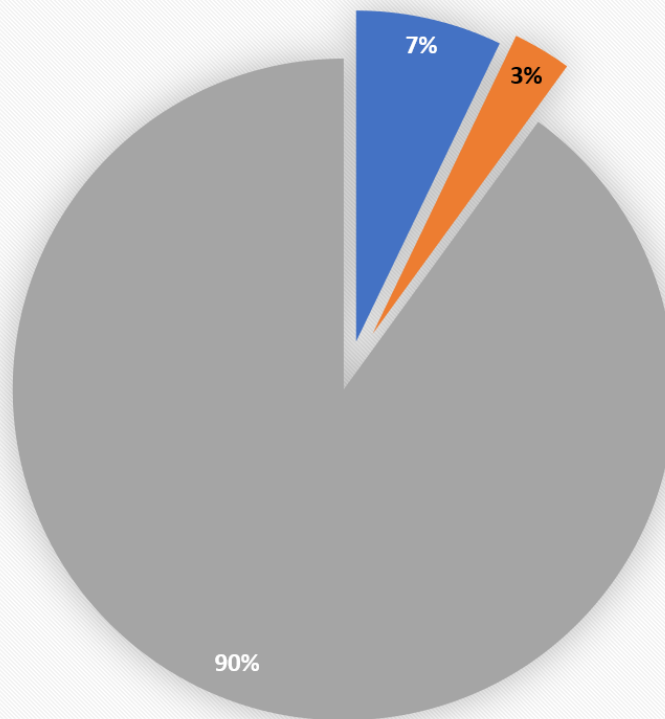
Region	Reminder Letter for Failure to Submit Annual Reports (Farm Evaluations and Nitrogen Management Plan Summary Report)	Water Code Section 13260 Letters/ Directives for Failure to Enroll in ILRP	NOVs for Failure to Submit Annual Reports	Total
<b>5F</b>	0	9	0	9
<b>5S</b>	325	0	59	384
<b>Total</b>	<b>325</b>	<b>9</b>	<b>59</b>	<b>393</b>

## **SANITARY SEWER OVERFLOWS (SSOS) AND COMPLAINTS**

Statewide General Waste Discharge Requirements for Sanitary Sewer Systems (SSS General Order) 2006-003-DWQ requires enrollees to submit SSO technical report for any Category 1 SSO in which 50,000 gallons or greater are spilled to surface waters. For the period between 1 July 2022 through 31 August 2022, there was no reported SSO incident in which 50,000 gallons or greater spilled reached surface water.

## Total Sanitary Sewer Overflow

■ Category 1 ■ Category 2 ■ Category 3



### Enforcement Figure 2: Central Valley Sanitary Sewer Overflow Summary 1 July 2022 through 31 August 2022

For the reporting period between 1 July 2022 through 31 August 2022, there were 140 total SSO spills: 19 Category 1, 6 Category 2, and 115 Category 3 spills.

### ADDITIONAL INFORMATION ON SSOS

Additional information regarding SSOs including the current Monitoring and Reporting Program (MRP) can be found at the [State Water Board's Sanitary Overflow Reduction Program](https://www.waterboards.ca.gov/water_issues/programs/sso/index.html)

([https://www.waterboards.ca.gov/water\\_issues/programs/sso/index.html](https://www.waterboards.ca.gov/water_issues/programs/sso/index.html)).

Sewage Collection Agencies report SSOs on-line at the State Water Board's CIWQS database pursuant to the requirements of State Water Board Order No. 2006-0003-DWQ (General Statewide Waste Discharge Requirements for Sewage Collection Agencies).

## **COMPLAINTS AND OTHER WATER QUALITY THREATS OR IMPACTS COMPLAINTS**

Central Valley Regional Board staff are responsible for responding to complaints related to water quality within the Central Valley Region as they are received. From 1 July 2022 through 31 July 2022, Central Valley Water Board staff have received a total of 44 complaints from phone calls, emails, and from the CalEPA Complaint database. To date, 39 (88%) complaints have been investigated and closed or referred to another environmental enforcement agency. Investigations for the remaining five (5) complaints remain ongoing.

### **ADMINISTRATIVE CIVIL LIABILITY**

The Water Board has the authority to impose administrative civil liabilities for a variety of violations under Water Code section 13323. All the monetary liability of an ACL penalty goes to the State Water Pollution Cleanup and Abatement Account (CAA); however, the monetary penalty may be directed toward a compliance or environmental project. These projects are as follows:

#### **COMPLIANCE PROJECT (CP)**

The Regional Water Boards may allow a small community publicly owned treatment works that has a financial hardship to spend an amount equivalent to the MMP toward a CP that is designed to address problems related to the mandatory minimum penalties (MMP) violation(s) and bring the discharger back into compliance in a timely manner.

#### **SUPPLEMENTAL ENVIRONMENTAL PROJECT (SEP)**

A settling party may offset a portion of the monetary liability of an ACL penalty by voluntarily choosing to fund SEP that enhance the beneficial uses of the waters of the State, provide a benefit to the public at large, and that, at the time they are included in an ACL action, are not otherwise required of the discharger. State provides a benefit to the public at large, and that, at the time they are included in an ACL action, are not otherwise required of the discharger.

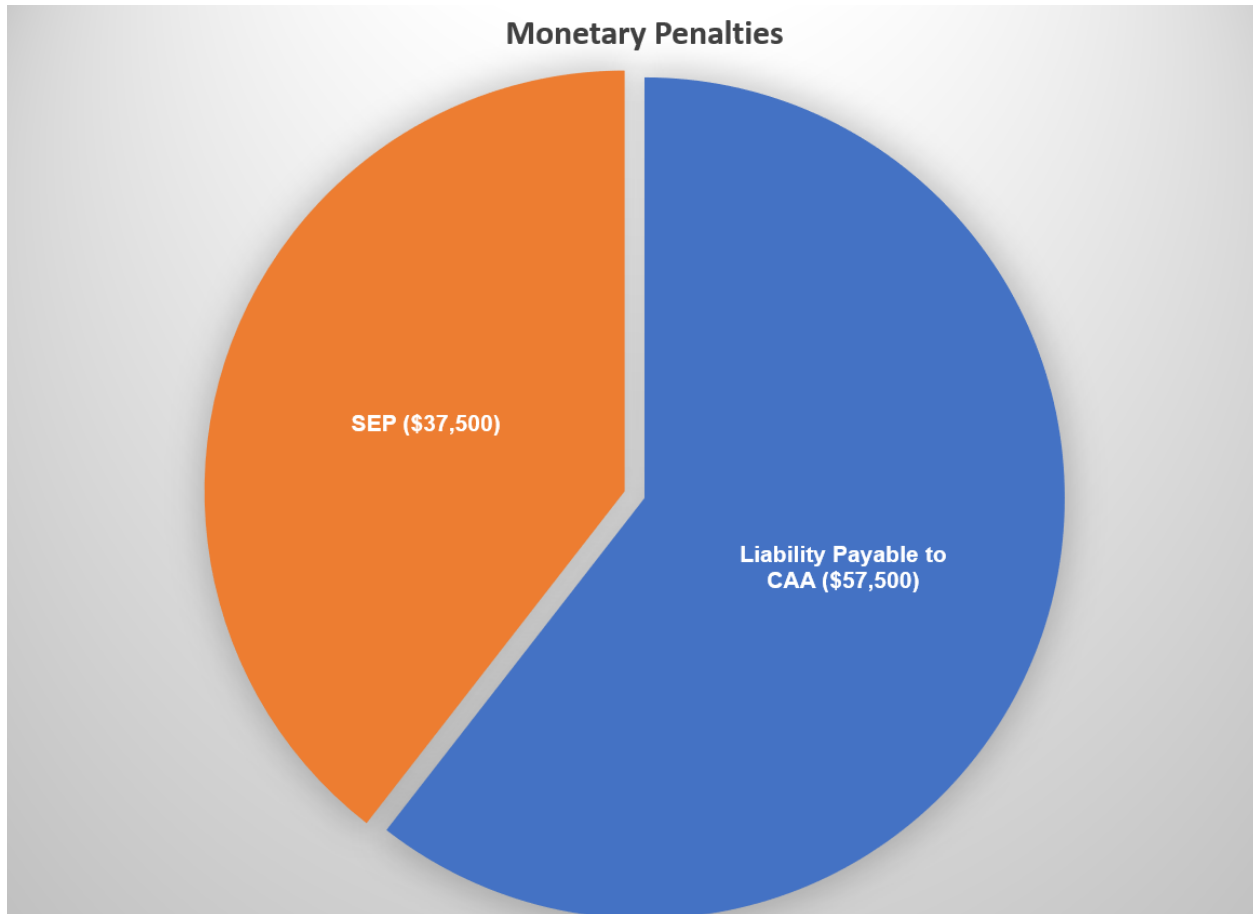
#### **ENHANCED COMPLIANCE ACTION (ECA)**

ECAs are projects that enable a discharger to make capital or operational improvements beyond those required by law and are separate from projects designed to merely bring a discharger into compliance. The Water Boards may approve a settlement with a discharger that includes suspension of a portion of the monetary liability of an ACL for completion of an ECA.

For the fiscal year period between 1 July 2022 through 31 August 2022, the chart below summarizes total monetary penalties that were issued by the Central Valley Water Board. A total of \$95,000 in monetary penalties (Liability payable to CAA, CP and SEP)



were issued during this period, of which \$37,500 was allocated for SEP (see Enforcement Figure 3 below).



**Enforcement Figure 3: Region 5 – Sum of Total Monetary Penalties Issued during the fiscal year 1 July 2022 through 31 August 2022**

## PERFORMANCE TARGETS

Performance measurement and reporting is an important component of a complete system of performance management and is needed to demonstrate how well programs or strategies are working. Information obtained through better performance measurement and program evaluation provides insight that enables us to understand and replicate successes, and continuously improve programs.

To this end, the Water Boards establish annual performance targets for key output measures. In effect, these targets are goals that establish measurable levels of performance to be achieved within a specified period. The Water Board has a systematic target setting approach for several of its programs. Using this new method, performance targets are based on available resources and uniform cost factors for key workload outputs. This target setting approach is described in the [Resource Alignment Evaluation Report](#)

([https://www.waterboards.ca.gov/about\\_us/docs/resource\\_alignment\\_report.pdf](https://www.waterboards.ca.gov/about_us/docs/resource_alignment_report.pdf))

and was used to develop the FY 2021-2022 performance targets. Below is the Central Valley Water Board’s Performance Measurement Summary for the 2021-2022 fiscal year.

**ENFORCEMENT TABLES 4a-4e - REGION 5 INSPECTION PERFORMANCE MEASUREMENT SUMMARY FOR FY 22/23 (1 JULY 2022 THROUGH 31 AUGUST 2022)**

**Table 4a – NPDES Wastewater**

<b>Programs</b>	<b>Original Target</b>	<b>Facilities Inspected</b>	<b>% Complete = Actuals/ Original Target</b>	<b>Revised Target</b>	<b>Total # of Inspections Performed</b>
Major Facilities Inspected	24	2	8%	NA	2
Minor Facilities Inspected	11	0	0%	NA	0

**Table 4b – NPDES Storm Water**

<b>Programs</b>	<b>Original Target</b>	<b>Facilities Inspected</b>	<b>% Complete = Actuals/ Original Target</b>	<b>Revised Target</b>	<b>Total # of Inspections Performed</b>
Stormwater Construction Inspections	385	100	26%	NA	99
Stormwater Industrial Inspections	195	50	26%	NA	49
Stormwater Municipal Inspections	0	10	NA	NA	9

**Table 4c – Waste Discharge to Land Wastewater**

<b>Programs</b>	<b>Original Target</b>	<b>Facilities Inspected</b>	<b>% Complete = Actuals/ Original Target</b>	<b>Revised Target</b>	<b>Total # of Inspections Performed</b>
Municipal Waste, Industrial Waste, and All Other Facilities - Number of Inspections	151	13	9%	NA	13

**Table 4d – Land Disposal**

<b>Programs</b>	<b>Original Target</b>	<b>Facilities Inspected</b>	<b>% Complete = Actuals/ Original Target</b>	<b>Revised Target</b>	<b>Total # of Inspections Performed</b>
Landfill Inspections	113	13	12%	NA	7
All Other Inspections	23	1	4%	NA	1

**Table 4e – Other Programs**

<b>Programs</b>	<b>Original Target</b>	<b>Facilities Inspected</b>	<b>% Complete = Actuals/ Original Target</b>	<b>Revised Target</b>	<b>Total # of Inspections Performed</b>
Forest Activities Inspections	267	60	23%	NA	61
Confined Animal Facility Inspections	275	9	3%	NA	9

**ENFORCEMENT TABLE 5 – REGION 5 CLEANUP ACTION SUMMARY  
1 JULY 2022 THORUGH 31 AUGUST 2022**

**Table 5 – Clean Up**

<b>Programs</b>	<b>Original Target</b>	<b>Actuals: Permits or Issued</b>	<b>% Complete = Actuals/ Original Target</b>	<b>Revised Target</b>	<b>Total # of Permits Issued</b>
New DoD Sites into Active Remediation	4	0	0%	NA	NA
New SCP Sites into Active Remediation	34	1	3%	NA	NA
Cleanup Program Sites Closed	40	3	7%	NA	NA
New UST Sites into Active Remediation	17	0	0%	NA	NA
Underground Storage Tank Sites Closed	49	1	2%	NA	NA

**DELTA ACTIVITIES**

**DELTA MERCURY CONTROL PROGRAM**

The Delta Mercury Control Program and associated Methylmercury TMDL (DMCP) requires entities responsible for discharging methylmercury (MeHg) in the Delta to conduct source control studies and evaluate and develop MeHg management methods. The DMCP requires the studies to be reviewed by an independent scientific peer review panel (Review Panel). The first Review Panel evaluated seven control study reports investigating MeHg management in municipal wastewater and urban stormwater runoff discharges.

A second Review Panel reviewed the open water modeling and tidal wetlands reports and submitted a Final Report on those studies to the Delta Stewardship Council’s Delta Science Program on 9 July 2021. Board staff will use information from these studies and recommendations from both Panels to consider revisions to the DMCP. ADA-compliant versions of the Review Panel’s [Final Reports](#) can be viewed here:

(<https://deltacouncil.ca.gov/delta-science-program/independent-science-review-of-the-delta-mercury-control-program>)

On 24 February 2021, Board staff conducted a virtual public workshop and CEQA scoping meeting. Representatives from various stakeholder groups, including wastewater, stormwater, irrigated agriculture, as well as state and federal agencies attended and provided verbal comments. Tribal representatives were also present. Four

entities submitted written comments that will be considered in the development of the DMCP Review and are included within the administrative record.

Board staff are continuing to review and incorporate more recent data and methodologies, including information provided in the control and characterization studies, to determine if there are any needed modifications to the DMCP.

More information on the DMCP, including the CEQA scoping presentation slides and recording, can be found on the [DMCP website](https://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/delta_hg/) here:

([https://www.waterboards.ca.gov/centralvalley/water\\_issues/tmdl/central\\_valley\\_projects/delta\\_hg/](https://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/delta_hg/))

## **DELTA REGIONAL MONITORING PROGRAM (DELTA RMP)**

Board staff attended Delta RMP meetings and reviewed documents to provide support for program implementation. Board staff reviewed the Delta RMP FY 2022/2023 Monitoring Workplan and the FY 2022/23 Quality Assurance Program Plan (QAPP) and discussed these program deliverables with the Executive Sponsor, Program Manager, and State Water Board staff and management. The Executive Officer requested revisions to both documents and Board staff reviewed the revised versions. The revised FY 2022/2023 Monitoring Workplan was approved by the Executive Officer and the revised FY 2022/2023 QAPP is currently being reviewed by Board staff and the State Water Board Quality Assurance Officer.

Board staff participated in many meetings to develop the first Delta RMP Data Management Plan and have reviewed multiple draft versions of the Plan, due to the Board on 01 October 2022. The Steering Committee (SC) met on 08 September 2022. The SC discussed the most recent draft Data Management Plan, a required deliverable per Resolution R5-2021-0054.

Board staff were invited to give a feature presentation at the State Board's Quality Assurance Roundtable quarterly meeting on 01 September 2022 focused on the new governance structure of the Delta RMP and Board Resolution R5-2021-0054. The presentation was intended to be an example for other Regional Boards to consider.

Board staff hosted and presented at the Delta RMP Nutrient Symposium on 27 September 2022 at the Central Valley Regional Board office. The Symposium is designed to inform Delta RMP participants on recent nutrient management and harmful algal bloom studies and activities in the Delta and to develop collaborations and partnerships with other Delta programs. The Nutrient Symposium will inform long-term planning efforts of the Delta RMP focused on nutrients and harmful algal blooms.

## **DELTA NUTRIENT RESEARCH PLAN**

The Delta Nutrient Research Plan (approved by the Central Valley Water Board in August 2018) identifies information gaps for determining need and potential scope of

water quality objectives for nutrients in the Delta. Board staff are working to conduct and support data collection to fill the information gaps.

## **STATUS OF DELTA NRP IMPLEMENTATION ACTIVITIES**

- Board staff participated on the organizing committee for a harmful algal bloom workshop hosted by the Delta Science Program on 8-9 November 2022. The focus of the public workshop is the development of a collaborative monitoring strategy for harmful cyanobacteria blooms in the Delta. More information about the workshop and registration is available in the Delta Stewardship Council [information sheet](#):

(<https://deltacouncil.ca.gov/pdf/science-program/information-sheets/2022-07-15-delta-harmful-algal-blooms-workshop-information-sheet.pdf>)

- Board staff are part of a project team that is monitoring harmful algal bloom toxins (cyanotoxins) in water and benthic organisms at ten locations in the Delta. The two-year sampling effort was completed in September 2022. Board staff are providing project tracking, reporting, and data management.
- Board staff participated in a collaborative project in Stockton with partners including the Port of Stockton, the City of Stockton, Restore the Delta, San Francisco Baykeeper, and Robertson Bryan Inc. The project monitors nutrients, cyanotoxins, dissolved oxygen, and temperature at the Stockton waterfront and Stockton deep water ship channel through November 2022.
- A status update about Delta Nutrient Research Plan implementation activities that have been supported by the Delta Regional Monitoring Program (Delta RMP) was provided during the Delta RMP Nutrients Symposium (see above).

## **SAN JOAQUIN RIVER DISSOLVED OXYGEN TMDL IMPLEMENTATION**

In 2006-2007, an aeration facility was constructed on the Port of Stockton's West End Complex as part of the Stockton Deepwater Ship Channel/San Joaquin River (SDWSC/SJR) Dissolved Oxygen TMDL Implementation Program. Since 2011, the Port of Stockton has operated the aeration facility when dissolved oxygen concentrations are expected to fall below the dissolved oxygen water quality objective. From 5 July 2022 through 8 September 2022, there were no excursions below the water quality objective. The water quality objective is 5 mg/L December through August and 6 mg/L September through November in the channel. The Port of Stockton initiated the aerator on 31 August in anticipation of the higher dissolved oxygen objective in September.

[Real-time dissolved oxygen data for the DWSC](#) can be found at:

(<https://cdec.water.ca.gov/dynamicapp/QueryF?s=SDO>)

More information on the SDWSC/SJR Dissolved Oxygen [TMDL Control Program](#) can be viewed here:

([https://www.waterboards.ca.gov/centralvalley/water\\_issues/tmdl/central\\_valley\\_project/s/san\\_joaquin\\_oxygen/index.shtml](https://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_project/s/san_joaquin_oxygen/index.shtml))

## **TMDL BASIN PLANNING**

### **PESTICIDE BASIN PLANNING/TMDLS**

#### **CENTRAL VALLEY PYRETHROIDS BASIN PLAN AMENDMENT AND TMDL**

On 8 June 2017, the Board adopted a Basin Plan Amendment (BPA) which established a Control Program for Pyrethroid Pesticide Discharges throughout the Sacramento and San Joaquin River Basins, as well as Total Maximum Daily Loads (TMDLs) for pyrethroid pesticides in certain impaired water bodies. The State Water Board approved the BPA on 10 July 2018. The Office of Administrative Law (OAL) approved the BPA on 19 February 2019. On 22 April 2019, USEPA approved the BPA. The BPA, including the TMDL, are fully approved and effective.

Board staff continue to work with MS4s, wastewater, and agricultural dischargers under the program to meet the baseline monitoring and management plan requirements in the Control Program for Pyrethroid Pesticide Discharges.

On 13 July 2020, Board staff sent orders under California Water Code sections 13267 and 13383 (Orders) to MS4 permittees in the Sacramento and San Joaquin River Basins specifying requirements for baseline monitoring under the Control Program for Pyrethroid Pesticide Discharges. Under these Orders, Phase I MS4 permittees were required to submit draft Baseline Monitoring Plans by 1 December 2020. Phase II MS4 permittees under the Order had the option to either 1) submit Baseline Monitoring Plans by 28 February 2021, or 2) acknowledge the existing data are assumed to be representative of their discharge, forego baseline monitoring, and prepare a Pyrethroid Management Plan (PMP) due to the Board by 19 August 2021.

All but one (City of Modesto) of the five Phase I MS4 permittees have complied with the Orders and submitted Plans by the 1 December 2020 deadline. Three of the five Phase I MS4 permittees reported exceedances of the prohibition triggers. One of these permittees is already implementing the required PMP, while the other two will submit their PMPs by late 2022.

Six Phase II MS4 permittees have selected the baseline monitoring option. Of these six, five Phase II MS4 permittees' Baseline Monitoring Plans have been approved. A revised draft Baseline Monitoring Plan for four Lake County Phase II permittees was reviewed by Board staff and feedback has been discussed with the permittees. Board staff anticipate that the Lake County Phase II permittees will be able to initiate baseline monitoring in October 2022. Three of the Phase II MS4 permittees (Cities of Davis, Los Banos, and Woodland) reported exceedances during baseline monitoring, and in

accordance with the Order, will be submitting PMPs by late 2022. The Cities of Redding and Chico are on track to submit their Baseline Monitoring Reports by 19 September 2022.

Board staff received notices of intent to submit a PMP from 48 Phase II MS4 permittees. Of those 48 Phase II MS4 permittees, 44 submitted PMPs. Of those original submittals, 22 PMPs were approved and letters requesting revisions were sent to the remaining 22 Phase II MS4 permittees. Revised PMPs have been approved for 8 Phase II permittees. Remaining outstanding revisions are expected on or before 30 June 2023. Board staff continue to work with the Phase II MS4 permittees whose PMPs require revision and the four Phase II MS4 permittees that did not submit PMPs.

More information can be found on the [Central Valley Pyrethroid TMDL and Basin Plan Amendment Website](https://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/central_valley_pesticides/pyrethroid_tmdl_bpa/index.html) at:

([https://www.waterboards.ca.gov/centralvalley/water\\_issues/tmdl/central\\_valley\\_projects/central\\_valley\\_pesticides/pyrethroid\\_tmdl\\_bpa/index.html](https://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/central_valley_pesticides/pyrethroid_tmdl_bpa/index.html)).

## **CLEAR LAKE NUTRIENT TMDL**

Board staff began initiating the process to revise the Nutrient TMDL. The revisions will incorporate much of the information currently being gathered through studies and projects in the watershed, including the Board’s Harmful Algal Bloom Environmental Driver’s study, the UC Davis study, Tribal monitoring data, and other stakeholder efforts. Implementation of the existing TMDL will continue.

The technical report for the Board’s Harmful Algal Bloom Environmental Driver’s study was received and reviewed by Board staff. The report is available upon request on the Clear Lake TMDL website.

More information can be found on the [Clear Lake Nutrient TMDL website](https://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/clear_lake_nutrients/) at:

([https://www.waterboards.ca.gov/centralvalley/water\\_issues/tmdl/central\\_valley\\_projects/clear\\_lake\\_nutrients/](https://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/clear_lake_nutrients/))

## **TRIBAL BENEFICIAL USES DESIGNATION**

On 2 May 2017, the State Water Board adopted Part 2 of the Water Quality Control Plan for Inland Surface Waters, Enclosed Bays, and Estuaries of California—Tribal and Subsistence Fishing Beneficial Uses and Mercury Provisions (Resolution 2017-0027). This Resolution established three new beneficial use definitions: Tribal Tradition and Culture (CUL), Tribal Subsistence Fishing (T-SUB), and Subsistence Fishing (SUB). The SUB and T-SUB beneficial uses relate to the risks to human health from the consumption of fish or shellfish. The SUB beneficial use definition does not mention “California Native American Tribe” but will be included as a Tribal Beneficial Use (TBU) since can be utilized by California Native American Tribes, Tribal members, as well as other interested persons/members of public. The definition for CUL also includes



consumption of aquatic resources to support cultural, spiritual, ceremonial, and traditional rights.

On 6 December 2018, the Central Valley Water Board adopted Resolution R5-2018-0079 approving the 2018 Triennial Review with TBU designations as a priority project. At the 18 February 2022 Board Meeting, the Central Valley Water Board adopted the proposed basin plan amendment (BPA) to add the TBU definitions to the Water Quality Control Plans for the Sacramento River and San Joaquin River Basins and Tulare Lake Basin. Five comments supporting the BPA was received during the public comment period. On 7 September 2022, the State Water Board approved the proposed BPA. Five comments supporting the BPA were received during the public comment period. Board staff continue to usher the BPA through the Office of Administrative Law and United States Environmental Protection Agency as the final components of the approval process.

As a commitment to providing government-to-government meetings, Board staff hosted a virtual Tribal Meeting and provided an update on the TBU project on 5 April 2022. The goal of this meeting was to update Tribes and their representatives on project activities and to solicit input from Tribes on the TBU designation effort for Board staff to incorporate into the approach. The next Tribal update meeting will be held on 9 November 2022. Board staff intend to host two to three Tribal update meetings annually. Tribes and their representatives were polled to determine the best timeframes that consider Tribal cultural activities and traditional Tribal practices to ensure maximum Tribal participation.

Board staff applied for and were awarded an AmeriCorps CivicSpark Fellow to support the TBU project, who served from September 2021 until August 2022. The Fellow was central to creating a TBU Basin Planning Primer for the Tribes alongside coordinating with State Water Board's Office of Public Participation on a Statewide TBU Basin Planning Factsheet; both are posted on the project's website (see below).

Board staff continued participation in the TBUs Working Group, which has representatives from the nine Regional Water Boards and several divisions within the State Water Board (including the Office of Chief Council, Office of Public Participation, Division of Water Quality).

More information can be found on the [Tribal Beneficial Uses](#) website at:

([https://www.waterboards.ca.gov/centralvalley/water\\_issues/basin\\_plans/tribal\\_beneficial\\_uses/](https://www.waterboards.ca.gov/centralvalley/water_issues/basin_plans/tribal_beneficial_uses/))

## **BIOSTIMULATORY BIOINTEGRITY POLICY DEVELOPMENT**

The State Water Board is developing a statewide plan for control of bio stimulatory (eutrophic) substances, including nutrients and cyanotoxins and protection of biological integrity under the Bio stimulation, Cyanotoxins, and Biological Condition Provisions (Provisions). Bio stimulatory substances are excess nutrients, primarily nitrogen and

phosphorus, that cause detrimental aquatic plant and algal growth. Biological integrity uses indices of species diversity and abundance of small organisms and algae to assess ecological health of a water body. The Provisions may include numeric or narrative water quality objective(s) for bio stimulatory substances and control options for point and non-point sources applicable statewide to streams, rivers, lakes, and reservoirs. More information on State Water Board’s Provisions can be found on the [website](#) at:

([https://www.waterboards.ca.gov/water\\_issues/programs/biostimulatory\\_substances\\_biointegrity/](https://www.waterboards.ca.gov/water_issues/programs/biostimulatory_substances_biointegrity/))

Board staff are managing a task in the Statewide consolidated contract with the Southern California Coastal Water Research Project (SCCWRP) to develop technical analyses that are focused on Central Valley streams, lakes, and reservoirs. The contract work is intended to support the Statewide effort and will provide additional data compilation and analyses for wadable streams modified by human activities. For lakes and reservoirs, Board staff are working closely with SCCWRP staff to compile chlorophyll, nutrients, and cyanotoxin data collected within the water bodies and comparing with satellite imagery of cyanobacteria blooms.

## **SALINITY AND CV SALTS**

### **CENTRAL VALLEY SALINITY ALTERNATIVES FOR LONG-TERM SUSTAINABILITY (CV-SALTS)**

The Salt and Nitrate Control Program (SNCP) Basin Plan Amendment with supporting Staff Report and Substitute Environmental Documentation was adopted on 31 May 2018 (Resolution R5-2018-0034). [The Adoption Resolution with the final Staff Report and Basin Plan Amendment language](#) can be found here:

([https://www.waterboards.ca.gov/centralvalley/water\\_issues/salinity/#saltnitrate\\_cp\\_bpa](https://www.waterboards.ca.gov/centralvalley/water_issues/salinity/#saltnitrate_cp_bpa))

As required by the Nitrate Control Program, EAP implementation to provide safe drinking water to impacted communities began on 7 May 2021. As of 13 September 2022, Priority 1 Management Zones have collectively reported the following metrics:

**Table 1. Priority 1 Management Zone (MZ) Program EAP Implementation Totals (as of 13 September 2022)**

<b>EAP Metric</b>	<b>Total for Years 1&amp;2 (all MZs)</b>	<b>Year 2 to Date</b>					
		<b>Total Year 2 (all MZs)</b>	<b>Turlock/ Modesto</b>	<b>Kings</b>	<b>Kaweah</b>	<b>Tule</b>	<b>Chow-chilla</b>
Initial Estimate of Impacted Wells	<b>~13,000</b>		> 5000	>5000	<1000	<1000	<1000

EAP Metric	Total for Years 1&2 (all MZs)	Year 2 to Date					
		Total Year 2 (all MZs)	Turlock/Modesto	Kings	Kaweah	Tule	Chowchilla
Inquiries/Interest/calls	5,253	849	159	86	426	170	8
Testing Applications Submitted	2,216	234	29	134	24	46	1
Referred to Other Programs	764	58	7	31	6	13	1
Eligible Applications	1,452	176	22	103	18	33	0
Not Yet Responded	328	13		11	-14	10	6
Wells Tested/Scheduled/Known	1,058	116	36	33	35	11	1
Tested or Known Above 10 mg/L	686	116	58	27	27	3	1
Average Percent over 10 mg/L	60%	100%	161%	82%	77%	27%	100%
Households receiving bottled water	705	104	31	43	28	1	1
Fill Station (FS) Locations	7	7	0	3	2	2	0
FS Average Gallons per Day	836	810	0	312	199	299	0
Total Households/equivalents	1,123	509	31	199	128	151	1

Management Zones in the Priority 1 basins submitted Final Management Zone Proposals to the Central Valley Water Board in August 2022. The documents will be made available for public comment by the end of September 2022.

More information about the [SNCP](https://cvsalts.info), can be found at (<https://cvsalts.info>).

### EVALUATION OF MUNICIPAL AND DOMESTIC SUPPLY (MUN) BENEFICIAL USE IN AG DOMINATED SURFACE WATER BODIES

On 11 August 2017, the Board adopted the proposed Basin Plan Amendment to develop a region wide MUN evaluation process in Ag dominated surface water bodies. A State Board hearing to consider approval of the Basin Plan Amendment was held on

10 July 2018. State Board members deferred their decision on the amendments to a future date.

Board staff continue to work with State Board staff to address questions and concerns that were raised during the 10 July 2018 hearing and initial revisions to the amendments were drafted by staff last quarter.

More information on the [Municipal and Domestic Supply \(MUN\) Beneficial Use Project](#) can be found at:

([https://www.waterboards.ca.gov/centralvalley/water\\_issues/salinity/mun\\_beneficial\\_use/](https://www.waterboards.ca.gov/centralvalley/water_issues/salinity/mun_beneficial_use/)).

### **UNITED STATES BUREAU OF RECLAMATION (USBR)—MANAGEMENT AGENCY AGREEMENT (MAA)**

During the 13 June 2022 MAA Quarterly Meeting, USBR provided an update on the Maze Road Bridge Forecasting effort, Vernalis flow and salinity levels, and the draft 2023 Work Plan. San Joaquin Valley Drainage Authority (SJVDA) and GWS also provided technical updates regarding Proposition 84 activities, including the status of diversions from and drainage to the Lower Joaquin River. USBR submitted their Final 2023 Work Plan to the Central Valley Water Board in September 2022.

[USBR's documents](#) are available at: (<https://www.usbr.gov/mp/ptms/>).

## **SURFACE WATER AMBIENT MONITORING PROGRAM (SWAMP)**

### **LOWER AMERICAN RIVER BENEFICIAL USE ASSESSMENT**

The Lower American River has been listed as impaired due to fecal indicator bacteria on California's 303(d) List. SWAMP is conducting monitoring to investigate the elevated indicator bacteria. To keep the public and local agency partners informed about current conditions, SWAMP monitors swimming beaches and recreation areas along the Lower American River and mouth of Steelhead Creek. New *E. coli* results are posted to an interactive [online map](https://arcg.is/1LXHmf0) (<https://arcg.is/1LXHmf0>) each week.

SWAMP is also coordinating with local agencies on a study to identify the sources of fecal pollution to the Lower American River. To make the most of limited resources and collect a high-resolution dataset, it was agreed to break the study into multiple phases. Phase 1 of the study was completed in 2020 and targeted the 3-mile reach from Paradise Beach to Sutter's Landing Regional Park. Microbial source tracking (MST) analysis of samples with elevated *E. coli* indicated that birds are the largest and most consistent source of contamination in this section of the river. Dogs are also a source of contamination in some areas, while humans were not a significant or consistent source during the study period. More information is available in the [Phase 1 Data Summary](#)

([https://www.waterboards.ca.gov/centralvalley/water\\_issues/swamp/report\\_summary\\_sheet/lar\\_ph1\\_ds.pdf](https://www.waterboards.ca.gov/centralvalley/water_issues/swamp/report_summary_sheet/lar_ph1_ds.pdf)).

Phase 2 of the study began in July 2021 and focuses on dry weather sources in the river reach from Sutter's Landing Regional Park to the confluence with the Sacramento River. Monitoring includes 12 sites on the American River and 1 stormwater sump. Phase 2 monitoring is scheduled to be completed in September 2022.

## **SUMMER 2022 RECREATIONAL BENEFICIAL USE ASSESSMENTS**

Each summer since 2007, the Central Valley Water Board has conducted Recreational Beneficial Use Assessments in popular recreational areas. Recreational beneficial uses are assessed using E. coli as an indicator of fecal pollution. The 2021 monitoring studies included popular recreational spots in the upper San Joaquin River and the lower Kings River watersheds. An additional microbial source tracking study was also completed in 2021 in the Lone Tree Creek watershed, which has historically high levels of E. coli. Staff have initiated monitoring activities for Summer 2022 which include sampling for E. coli in the Lower Kings River, Lower Kaweah River, and Upper San Joaquin River. A microbial source tracking study will begin in Fall 2022 and continue next year in the Squirrel and Wolf Creek watersheds in Nevada County.

[Online maps and more information on these SWAMP projects](#) are available at:

([https://www.waterboards.ca.gov/centralvalley/water\\_issues/swamp/r5\\_activities/2021\\_r\\_bua/](https://www.waterboards.ca.gov/centralvalley/water_issues/swamp/r5_activities/2021_r_bua/)).

## **CYANOBACTERIA BLOOMS UPDATE**

Cyanobacteria and harmful algal blooms (HABs) are a common occurrence in surface waters across California. To address this issue, a Freshwater and Estuarine Harmful Algal Bloom (FHAB) Program was developed and implemented by the State Water Resources Control Board's Surface Water Ambient Monitoring Program. The Central Valley Water Board participates in this statewide FHAB Program by investigating and responding to reports of suspected HABs.

As part of the FHAB program, a [California Harmful Algal Blooms Portal](#)

(<https://mywaterquality.ca.gov/habs/>)

was developed and is located on the California Water Quality Monitoring Council's [My Water Quality webpage](#).

(<https://mywaterquality.ca.gov/index.html>)

The purpose of the HABs Portal is to provide readily accessible and easy-to-understand information to the public on the environmental and human health effects from HABs. Resources available include a map showing locations where HABs have been reported,

fact sheets on identifying cyanobacteria blooms, and guidance on healthy habits the public can take to protect themselves and their pets from HABs. For health departments and water body managers, the portal includes guidance documents on sampling and posting advisory signs, sign templates, and information on control and treatment options.

When human or animal illnesses or deaths are reported, an interagency HAB illness team investigates each case. The team is comprised of the California Department of Public Health, the Office of Environmental Health and Hazard Assessment, the State Water Board, and the California Department of Fish and Wildlife. Using case specific information, the team determines whether each case may have been caused by HABs or whether the incident was likely due to other causes. This process includes interviewing the reporting party, consulting the doctor or veterinarian, conducting follow-up sample collection, and/or analyzing carcasses. Cases that are suspected to be HAB related are reported to the Centers for Disease Control and Prevention (CDC) [One Health Harmful Algal Bloom System](#).

(<https://www.cdc.gov/habs/ohhabs.html>)

More information on how freshwater [HAB related illness](#) tracking in California can be found at:

([https://mywaterquality.ca.gov/habs/hab-related\\_illness.html](https://mywaterquality.ca.gov/habs/hab-related_illness.html))

## **WINTER 2022 – CENTRAL VALLEY BLOOMS**

HABs typically occur from summer through late fall when temperatures are at their highest. However, blooms can occur in the winter and spring, especially if temperatures are mild and nutrients are introduced from rainfall runoff.

A summary of cyanobacteria blooms for the period from 13 July 2022 to 12 September 2022 is provided in Cyanobacteria Table 1.

**Cyanobacteria Table 1. Bloom Summary: (13 July 2022 through 12 September 2022)**

<b>Category</b>	<b>Count</b>
Number of Waterbodies with HAB observations this year <sup>1</sup>	101
Number of locations with active caution advisories <sup>2</sup>	58
Number of locations with active warning advisories <sup>2</sup>	6
Number of locations with active danger advisories <sup>2</sup>	7
Number of Human Illnesses Reported since previous EO Report (under investigation) <sup>3</sup>	11
Number of Animal Impacts Reported since previous EO Report (under investigation) <sup>4</sup>	5

<sup>1</sup>Continuous waterbodies with the same name, such as rivers, are delineated into separate waterbodies by county.

<sup>2</sup>Advisory levels are based on the Freshwater and Harmful Algal Bloom (FHAB) Trigger levels for signage posting. This guidance for planktonic blooms is found [here](#)

([https://mywaterquality.ca.gov/habs/resources/habs\\_response.html#posting\\_guidance](https://mywaterquality.ca.gov/habs/resources/habs_response.html#posting_guidance))

and benthic blooms is found [here](#)

([https://mywaterquality.ca.gov/habs/resources/benthic\\_posting\\_guidance.html](https://mywaterquality.ca.gov/habs/resources/benthic_posting_guidance.html))

The FHAB Program defines an active advisory as one with a confirmed observation within the last 30 days, in this case, all observations since 8/13/2022.

<sup>3</sup>Of the human illnesses reported to the FHAB Program, 4 were reported to the CDC OHAB database, 3 were not reported to the CDC OHAB database, and 4 of the investigations are still in progress.

<sup>4</sup>Of the animal impacts reported to the FHAB Program, 3 were reported to the CDC OHAB database, 1 was not reported to the CDC OHAB database, and 1 of the investigations is still in progress. Each reported animal impact may include multiple individuals such as in the case of a fish die off.

## **FOREST ACTIVITIES PROGRAM**

### **PROJECTS**

#### **DEVELOPMENT OF A FEDERAL NPS PERMIT FOR USFS AND BLM ACTIVITIES**

The Federal NPS Permit development project is targeting activities conducted by or on behalf of the USFS and BLM on approximately 10 million acres of federal lands in the

region. Activities proposed for coverage under this programmatic permit include; vegetation management, road and trail management, post-fire recovery, restoration, and recreation. Since project initiation the USFS and BLM have worked cooperatively with staff to establish and refine best management practices to ensure water quality protection from nonpoint sources of discharge during activity implementation across the state. Tribal consultations were initiated in 2020 and are on-going. A Contract Solicitation for the competitive bid process has been submitted to State Board for the development of an online training and certification system for federal agency use to support the requirements of the proposed permit. A contract to prepare an EIR for the project was executed in 2020 and a complete draft ready of the EIR and the draft proposed permit is planned to be released for initial public comment summer 2022. Staff expects to bring the proposed permit and EIR to the board for consideration in 2023.

## **GRANT**

### **POST CAMP FIRE DIXIE ROAD SEDIMENT REDUCTION PROJECT (\$775,198)**

The Dixie Road project is for the purpose of implementing forest management, erosion control, and storm proofing practices on Dixie Road and Camp Creek Road to protect the spawning beds and fisheries habitat of endangered and threatened species associated with the North Fork Feather River, Camp Creek, and their tributaries in Butte County within the perimeter of the 2018 Camp Fire. Implementation was started in July 2021 and was completed in November 2021. The grantee conducted a post construction review, completed As-built road logs, developed a mid-slope road treatment plan, and collected final survey data, and has prepared and submitted a Final Project Report. The grantee has also submitted their final project invoice for the project. (Closed 7/31/2022)

## **INSPECTIONS**

Forest Activities Program staff conduct pre-project, active project, and post-project inspections for; commercial timber harvesting operations (pre- and post-fire) on federal and non-federal lands, hazard tree removal activities associated with Cal Recycle/CalOES hazardous debris removal program after a fire, and utility vegetation management activities (pre- and post-fire). In FY 2021/2022, the program established a goal of 267 inspections, and staff conducted 278.

## **ENFORCEMENT**

Multiple notices of violation were sent to dischargers conducting operations in the post-fire environment in early 2022. Particularly utility companies, the U.S. Forest Service and private landowners conducting activities in sensitive post-fire environments.



# NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

## GENERAL ORDERS

The Central Valley Water Board has issued several NPDES general orders to streamline the permitting process for similar-type discharges. Where existing NPDES permittees meet the eligibility requirements of the general orders staff seek to enroll the permittees under the general orders. NPDES Tables 1 and 2, below, summarize the Notices of Applicability that were issued to date for Fiscal Year 2022/2023 (1 July 2022 through 15 September 2022) for the General Waste Discharge Requirements/NPDES Permit for Limited Threat Discharges to Surface Water (Limited Threat General Order) and Waste Discharge Requirements for Cold Water Concentrated Aquatic Animal Production Facility Discharges to Surface Water (CAAP General Order).

**NPDES PERMIT Table 1 –Limited Threat Discharges to Surface Waters  
R5-2022-0006**

Facility	General Order Permit Number
Villa Ticino West Construction Dewatering Project	R5-2022-0006-004

**NPDES PERMIT Table 2 - CAAP General Order R5-2019-0079**

Facility	County	General Order Permit Number
Merced River Fish Hatchery	Merced	R5-2019-0079-011

## DAIRIES/CONFINED ANIMAL FACILITIES

### CONFINED ANIMAL FACILITY INSPECTIONS

The Confined Animal Facilities Program’s FY 2022/2023 performance target for facility inspections is 275. Staff have completed 10 inspections to date; however, the Dairy Program anticipates meeting the performance target.

### DAIRY POND/DIGESTER LINER DESIGN REPORTS

In July and August 2022, staff took an active role as Technical Advisory Committee members in the review of several dairy digester project proposals submitted to the California Department of Food and Agriculture (CDFA) under a competitive grant application process. CDFA’s Dairy Digester Research and Development Program

(DDRDP) provides financial assistance for the installation of dairy digesters, which will result in reduced greenhouse gas emissions from manure generated on California dairy farms. Financial assistance for the installation of dairy digesters comes from California Climate Investments, a statewide initiative that uses Cap-and-Trade program funds to support the state's climate goals. CDFA and other state agencies are investing these proceeds in projects that reduce greenhouse gas emissions and provide additional benefits to California communities. Twenty-seven (27) applications were received and are under review for a total funding request of approximately \$35.4 million. Grant recipients will be announced, and funding will be awarded in September. Information about the 2022 Dairy Digester Research and Development Program projects is available at [www.cdfa.ca.gov/go/dd](http://www.cdfa.ca.gov/go/dd).

## **DAIRY POND/DIGESTER LINER DESIGN REPORTS**

In July and August 2022, staff took an active role as Technical Advisory Committee members in the review of several dairy digester project proposals submitted to the California Department of Food and Agriculture (CDFA) under a competitive grant application process. CDFA's Dairy Digester Research and Development Program (DDRDP) provides financial assistance for the installation of dairy digesters, which will result in reduced greenhouse gas emissions from manure generated on California dairy farms. Financial assistance for the installation of dairy digesters comes from California Climate Investments, a statewide initiative that uses Cap-and-Trade program funds to support the state's climate goals. CDFA and other state agencies are investing these proceeds in projects that reduce greenhouse gas emissions and provide additional benefits to California communities. Twenty-seven (27) applications were received and are under review for a total funding request of approximately \$35.4 million. Grant recipients will be announced, and funding will be awarded in September. Information about the 2022 Dairy Digester Research and Development Program projects is available at [www.cdfa.ca.gov/go/dd](http://www.cdfa.ca.gov/go/dd).

## **OIL FIELDS**

### **WASTEWATER SURFACE PONDS**

Central Valley Water Board staff (Staff) continues to work on enrolling oil field operators under the Oil Field General Orders for Discharges to Land and evaluating closure plans for produced wastewater ponds. Major items that were completed by Staff include the following:

- Issued a Notice of Applicability for coverage under General Order Three, Waste Discharge Requirements for Oil Field Discharges to Land Order Number R5-2017-0036-024 for an operator in the Antelope Hills Oil Field.
- Staff reviewed two Notice of Intent packages for coverage under General Order One, Waste Discharge Requirements for Oil Field Discharges to Land Order Number R5-2017-0034 for operators in the Edison and Deer Creek Oil Fields. Staff found the

packages to be incomplete and sent the operators letters requesting additional information.

- Issued a Notice of Termination for coverage under General Order Three, Waste Discharge Requirements for Oil Field Discharges to Land Order Number R5-2017-0036-007 for an operator in the McKittrick Oil Field.
- Conditionally approved four closure work plans for produced wastewater ponds in the Coalinga, Midway-Sunset, and Cymric Oil Fields. Additionally, Staff reviewed two work plans for closure of produced wastewater ponds in the Midway-Sunset and Round Mountain Oil Fields and found the work plans to be inadequate. Staff sent letters to the operators requesting revised work plans be provided.
- Issued Notices of Violation to the following:
  - LDD Energy LLC regulated under Oil Field General Order Number R5-2017-0036-011;
  - Oil City, LLC for violation of Water Code Section 13267 Order issued on 24 March 2021; and
  - KB Oil & Gas, Inc. regulated under Oil Field General Order Number R5-2017-0036-020.

These items involve potential ongoing enforcement, and additional information is currently being considered by Prosecution Team staff.

- Sent a letter to an operator requesting that sampling data for inactive ponds in the Kern Front Oil Field be submitted to Staff.
- Sent a letter to an operator requesting that a work plan to collect sampling data for an inactive pond in the Mount Poso Oil Field be submitted to Staff for review and approval.

During July and August 2022, Staff completed 6 inspections related to oil field facilities. Staff is preparing reports for these inspections and finalizing reports from the 2021/22 calendar year, which will subsequently be sent to the Operators for record keeping.

Staff is also continuing to review monitoring reports for drilling mud sumps regulated under the Statewide General Waste Discharge Requirements for Discharges to Land With a Low Threat To Water Quality (General WDRs).

## **SPILL RESPONSE**

Staff responds to oil field spills and upsets reported to the Office of Emergency Services (OES). Staff were notified of 11 events in July and August.

A spill of oil field produced wastewater occurred on the 35B Lease operated by California Resources Corporation (CRC), in the Buena Vista Oil Field on 1 July 2022. According to OES, a leak in an underground injection line caused the discharge of

approximately 140 bbls (5,880 gals) of oil field produced wastewater to land affecting a dry ephemeral stream bed. On 1 July 2022, CRC staff told Staff that the discharge consisted entirely of produced wastewater that contains iron sulfide. CRC staff added that staff of the Department of Fish and Wildlife – Office of Spill Prevention and Response (CDFW-OSPR) inspected the spill site. CRC staff also stated that cleanup was in-progress by Ponder Environmental Services. Staff inspected the spill site and observed ongoing cleanup operations on 7 July 2022. On 22 August 2022, CRC staff told Staff that cleanup of the affected areas was completed and CDFW-OSPR staff determined that a post-cleanup inspection was not necessary.

A spill of crude oil and oil field produced wastewater occurred on the 20B Lease operated by California Resources Corporation (CRC), in the Buena Vista Oil Field on 4 July 2022. According to OES, a leak in a flow line caused the discharge of approximately 2 bbls (84 gals) of oil and 176 bbls (7,392 gals) of oil field produced wastewater to land affecting a dry ephemeral stream bed. On 5 July 2022, CRC staff told Staff that cleanup of the affected areas was in-progress. CRC staff added that staff of CDFW-OSPR inspected the spill site. Staff inspected the spill site and observed ongoing cleanup operations on 7 July 2022. On 22 August 2022, CDFW-OSPR staff told Staff that cleanup of the affected areas was completed and CDFW-OSPR staff conducted a post-cleanup inspection and signed-off on the site cleanup on 14 July 2022.

A spill of crude oil and oil field produced wastewater occurred on the 27B Lease operated by California Resources Corporation (CRC), in the Buena Vista Oil Field on 4 July 2022. According to OES, a leak in a flow line caused the discharge of approximately 0.6 bbls (25.2 gals) of crude oil and 58.5 bbls (2,457 gals) of oil field produced wastewater to land affecting a dry ephemeral stream bed. On 5 July 2022, CRC staff told Staff that cleanup of the affected areas was in-progress by Patriot Environmental Services. CRC staff added that staff of CDFW-OSPR inspected the spill site. Staff inspected the spill site and observed ongoing cleanup operations on 7 July 2022. On 22 August 2022, CDFW-OSPR staff told Staff that cleanup of the affected areas was completed and CDFW-OSPR staff conducted a post-cleanup inspection and signed-off on the site cleanup on 14 July 2022.

A spill of crude oil and oil field produced wastewater occurred on the Mon Lease operated by Cimarron Oil, LLC. (Cimarron), in the Mount Poso Oil Field on 20 July 2022. According to OES, corrosion caused a leak in a pipeline resulting in the discharge of approximately 2 bbls (84 gals) of crude oil and 200 bbls (8,400 gals) of oil field produced wastewater to land affecting a vegetated area. On 10 August 2022, Cimarron staff told Staff that no ephemeral stream beds or natural drainage courses were affected by the spill. Cimarron staff added that CDFW-OSPR staff inspected the spill site and cleanup of the affected areas was completed. Cimarron staff provided Staff with photographs of the affected areas before and after cleanup.

A spill of crude oil and oil field produced wastewater occurred on the Matthew Fee Lease operated by California Resources Corporation (CRC), in the Mount Poso Oil Field on 23 July 2022. According to OES, a leak in a flow line caused the discharge of

approximately 17.5 bbls (735 gals) of crude oil and 554 bbls (23,268 gals) of oil field produced wastewater to land affecting a dry ephemeral stream bed. On 10 August 2022, CRC staff told Staff that cleanup of the affected areas was completed and staff of CDFW-OSPR conducted a post-cleanup inspection of the spill site. CRC staff provided Staff with photographs of the affected areas before and after cleanup. On 22 August 2022, CDFW-OSPR staff confirmed to Staff that CDFW-OSPR conducted a post-cleanup inspection of the spill site and signed-off on the site cleanup.

A spill of crude oil and oil field produced wastewater occurred at Well# 113WI-35B in a facility operated by California Resources Corporation (CRC), in the Buena Vista Oil Field on 27 July 2022. According to OES, a carbon fiber line ruptured causing the discharge of approximately 3 bbls (126 gals) of crude oil to land affecting a dry ephemeral stream bed. On 2 August 2022, CRC staff told Staff that cleanup of the affected areas was completed on 29 July and provided photographs of the affected areas. On 22 August 2022, staff of CDFW-OSPR told Board staff that staff of CDFW-OSPR conducted a post-cleanup inspection of the affected areas and signed-off on the site cleanup.

A spill of crude oil and oil field produced wastewater occurred on the McKittrick Fee Lease operated by Sentinel Peak Resources California (SPRC), in the McKittrick Oil Field on 30 July 2022. According to OES, a group line failure caused the discharge of approximately 3 bbls (126 gals) of crude oil and 3 bbls (126 gals) of produced wastewater to land. The OES report stated that approximately 0.5 bbls (21 gals) of the discharged fluids affected a dry ephemeral stream bed. SPRC staff told Staff that cleanup of the affected areas was completed. SPRC staff added that staff of CDFW-OSPR conducted a post-cleanup inspection of the spill site and signed-off on the site cleanup. Staff confirmed the cleanup sign-off status with CDFW-OSPR staff. SPRC staff provided Staff with photographs of the affected areas before and after cleanup.

A spill of crude oil and oil field produced wastewater occurred approximately 100 yards north of Well # 355-15R on a facility operated by California Resources Corporation (CRC), in the Elk Hills Oil Field on 9 August 2022. According to OES, a gathering line ruptured causing the discharge of approximately 0.3 bbls (12.6 gals) of crude oil and 30 bbls (1260 gals) of oil field produced wastewater to land. On 10 August 2022, CRC staff told Staff that no ephemeral stream beds or waterways were affected by the spill. CRC staff added that staff of CDFW-OSPR inspected the spill site and that cleanup of the areas affected by the spill was completed. CRC staff provided Staff with photographs of the affected areas. On 29 August 2022, CDFW-OSPR staff who inspected the spill site confirmed that no waterways or ephemeral stream beds were affected by the spill.

A spill of crude oil and oil field produced wastewater occurred on the Section 33 facility operated by Aera Energy, LLC. (Aera), in the South Belridge Oil Field on 14 August 2022. According to OES, the failure of a well control system caused the discharge of approximately 2 to 3 bbls (84 to 126 gals) of crude oil and 40 to 60 bbls (1,680 to 2,520 gals) of oil field produced wastewater to land. On 14 August 2022, Aera staff told Staff that the discharge consisted mainly of drawing muds in addition to crude oil and produced wastewater. Aera staff added that the discharge affected pre-disturbed areas

and no dry ephemeral stream beds, or waterways were affected. Aera staff provided Staff with photographs of the affected areas before and after cleanup.

A spill of crude oil and oil field produced wastewater occurred on the Ethel D Lease operated by Berry Petroleum Company (BRY), in the Midway Sunset Oil Field on 27 August 2022. According to OES, equipment failure caused the discharge of approximately 17.5 bbls (735 gals) of crude oil and 162.5 bbls (6,825 gals) of oil field produced wastewater into the secondary containment of a tank farm. On 27 August 2022, BRY staff told Staff that the discharge was entirely contained within the affected secondary containment and no ephemeral stream beds, or waterways were affected. BRY staff added that all free-standing fluids were recovered from the affected containment and work is ongoing to remove oil-affected materials from the affected containment area.

A spill of crude oil and oil field produced wastewater occurred on the Section 17Q facility operated by California Resources Corporation (CRC), in the Kettleman North Dome Oil Field on 29 August 2022. According to OES, a pipe failed causing the discharge of approximately 8 bbls (336 gals) of crude oil and 77 bbls (3,234 gals) of produced wastewater to land. On 30 August 2022, CRC staff told Staff that the source of the discharge was a pinhole leak from a 6-inch group line. CRC staff added that the source pipe was clamped to stop the leak. CRC staff provided Staff with photographs of the areas affected by the spill. On 31 August 2022, Staff inspected the spill site and observed the source of discharge and areas affected by the spill. During the inspection, Staff observed ongoing cleanup activities of the affected areas. CRC staff told Staff that staff of CDFW-OSPR inspected the spill site and will come back for a post-cleanup inspection following completion of site cleanup. Staff will continue to follow-up regarding this incident and will conduct a post-cleanup inspection of the affected areas to verify cleanup status.

## **OTHER**

The Central Valley Water Board is continuing to assist the United States Environmental Protection Agency (USEPA) in a study that examines the quality of produced water reused for irrigation in the Central Valley. Specifically, USEPA staff are looking into novel methods of identifying chemicals associated with petroleum exploration, production, or treatment in produced water.

In July and August 2022, Staff received seven Public Record Act Requests (PRA Requests) related to locations within or near an oil field. Staff reviewed the PRA Requests and submitted a response to each that included the requested information, as appropriate.

## **UIC PROGRAM**

During the period from 13 July 2022 to 12 September 2022, Staff of the Underground Injection Control Unit (UIC) performed the following activities:

## **AQUIFER EXEMPTIONS**

Midway-Sunset Tulare Aquifer Exemption – Staff continues to provide the State Water Board staff comments regarding the need for a conduit analysis within the proposed Aquifer Exemption areas. Staff met with State Water Board and CalGEM to discuss expectations and requirements for remediation and monitoring of potential conduits. Staff and State Water Board staff met with CalGEM to discuss Water Board’s review of the draft remediation and monitoring plan. CalGEM discussed the draft remediation and monitoring plan with the Operators.

Kern River Aquifer Exemption – Staff and State Water Board staff met with CalGEM and to discuss the potential conduits and the need for a conduit analysis within the proposed Aquifer Exemption areas. Staff met with State Water Board and CalGEM to discuss expectations and requirements for remediation and monitoring of potential conduits. Staff and State Water Board staff met with CalGEM to discuss Water Board’s review of the draft remediation and monitoring plan. Staff and State Water Board staff discussed and reviewed a conduit analysis mitigation plan received from CalGEM and the operators.

Round Mountain, South Area, Aquifer Exemption – Staff continues to provide comments to the State Water Board regarding the proposed aquifer exemption application.

Deer Creek Aquifer Exemption – Staff continues to provide comments to the State Water Board regarding the proposed aquifer exemption application.

Mt. Poso Dorsey Area Aquifer Exemption – Staff and State Water Board staff met with CalGEM and the Operators to discuss conducting a conduit analysis. Staff and State Board staff reviewed the conduit analysis provided and provided CalGEM with questions and concerns regarding the conduit analysis. CalGEM provided a revised aquifer exemption application to State Water Board and Staff. The conduit analysis is completed, and Staff continues to provide comments to the State Water Board regarding the revised aquifer exemption application.

## **UIC PROJECT REVIEWS**

Staff received information in response to five 13267 Orders requiring Operators to perform hydrogeologic investigations in the South Belridge and Lost Hills Oil Fields. Additional information was provided regarding one hydrogeological characterization report for the Lost Hills Oil Field. Staff continue to review the information provided and provide comments and requests for additional information.

Staff received information in response to a 13267 Order requiring an Operator to provide a technical report work plan in the Elk Hills Oil Field. Staff reviewed the information and sent a letter to the operator concurring with the proposed work plan.

Staff issued four no objection letters and memorandums for UIC projects in the South Belridge and Kern River Oil Fields.

Staff sent three letters and memorandums requesting information for UIC projects in the Mount Poso, South Belridge, and Monument Junction Oil Fields.

Staff received five responses to reviews performed for proposed water disposal, waterflood, steam flood, and cyclic steam projects in the South Belridge, Lost Hills, Mountain View, Cymric, McKittrick, and Round Mountain Oil Fields. Staff are reviewing the information provided.

Staff received project information relating to eight cyclic steam and steam flood injection projects in the Cymric, McKittrick, Lost Hills, Midway-Sunset, and Edison Oil Fields. Staff are reviewing the information provided.

## **SENATE BILL 4 (SB-4) PROGRAM**

Since the last Executive Officer's Report, Staff have not received nor reviewed Well Stimulation Treatment Applications, as none have been forwarded from CalGEM.

Staff reviewed two groundwater monitoring reports. Monitoring reports reviewed were for: California Resource Production Corporation's wells in the Buena Vista Oil Field, and Aera Energy, LLC Lost Hills Oil Field. Central Valley Water Board staff conveyed draft comments to State Water Resources Control Board staff.

## **IRRIGATED LANDS REGULATORY PROGRAM (ILRP)**

### **ILRP QUARTERLY STAKEHOLDER MEETINGS**

Central Valley Water Board staff holds regular ILRP stakeholder meetings to provide an open forum for communication between staff, agricultural coalitions, environmental justice groups, and other interested parties in Central Valley Region. The focus of the July 20th meeting was on the development of the Groundwater Protection Targets. The next stakeholder meeting is scheduled for January 2023.

More information regarding the stakeholder meetings can be found on the Central Valley Water Boards' [ILRP – Stakeholder Meetings and Workgroups web page](#):

([https://www.waterboards.ca.gov/centralvalley/water\\_issues/irrigated\\_lands/regulatory\\_information/stakeholder\\_advisory\\_workgroup/index.html](https://www.waterboards.ca.gov/centralvalley/water_issues/irrigated_lands/regulatory_information/stakeholder_advisory_workgroup/index.html)).

### **ILRP COMPLIANCE, OUTREACH & ENFORCEMENT**

#### **DRINKING WATER WELL MONITORING OUTREACH**

Members of the East San Joaquin Water Quality Coalition and Tulare Lake Basin Coalitions were required to monitor drinking water wells on enrolled parcels starting in 2019 and 2020, respectively. In 2021, members of the San Joaquin & Delta, Grasslands and Westside San Joaquin River Coalitions started their monitoring. In 2022, members



of the Rice Commission and Sacramento Valley and Westlands Water Quality Coalitions began monitoring their drinking water wells.

Board staff is tracking notification submittals and conducting follow-up as needed to ensure that members/landowners with wells exceeding the nitrate drinking water standard are notifying users of the impacted wells. Between 1 July and 31 August, 677 samples were submitted to GeoTracker by 400 members/landowners from ESJWQC, San Joaquin Delta, the Western San Joaquin River, the Sacramento Valley, and the Tulare Lake Basin Water Quality Coalitions. Approximately 27 percent of samples exceeding the drinking water standard. During the same time, staff sent emails/phone calls to members reminding them of the notification requirement. Out of 3,529 drinking water well exceedances staff has received 3,458 notification responses. Staff continues to follow up with phone calls, emails, letters, and notices of violation, as necessary, for inadequate notification action.

Region-wide, there have been 15,042 samples submitted to GeoTracker and approximately 32% exceed the nitrate MCL (as of 1 September 2022).

**REMINDER LETTERS FOR FAILURE TO SUBMIT THE IRRIGATION AND NITROGEN MANAGEMENT PLAN SUMMARY REPORTS**

Water Board staff sends reminder letters prior to notices of violation to members who have failed to submit their Irrigation and Nitrogen Management Summary Reports by the Board-approved due dates. Coalition areas not shown had no reminder letters mailed during the reporting period.

<b>Coalition Area</b>	<b>Reminder Letters sent 1 July- 31 August</b>
East San Joaquin	325
<b>Total</b>	<b>325</b>

**NOTICES OF VIOLATION FOR FAILURE TO SUBMIT AN IRRIGATION AND NITROGEN MANAGEMENT PLAN SUMMARY REPORT**

Notices of Violation (NOVs) were sent to coalition members for their failure to submit the Irrigation and Nitrogen Management Plan Summary Reports by the Board-approved deadlines. Members who did not respond to our reminder letters were issued NOVs urging them to promptly provide their reports to their respective coalitions or potentially face monetary penalties.

<b>Coalition Area</b>	<b>NOVs Mailed 1 July- 31 August</b>
Sacramento Valley Water Quality Coalition	59
<b>Total</b>	<b>59</b>

## COALITION ENROLLMENT SUMMARY

ILRP staff continues to conduct significant compliance and outreach efforts associated with obtaining appropriate enrollment in the program. Board staff has begun to incorporate the new 2019 Department of Water Resources land use data to replace the 2016 data along with our other information including but not limited to current membership lists, dairy parcels, WDR land application sites and past inspection data will be included. There are fluctuations in irrigated agricultural acreage due to various factors, including land use conversions, water allocations, ownership transfers, and regulatory coverage in other programs, but this new effort will provide a clearer picture of the status of enrollment in the Irrigated Lands Program.

## ENFORCEMENT FOLLOW-UP

ILRP staff continues to conduct significant compliance and outreach efforts associated with obtaining appropriate enrollment in the program and ensuring late member reports are submitted to the Coalitions. Membership lists were received by Coalitions on 31 July as required by the Order. This list includes information on missing Irrigation and Nitrogen Management Plan Summary Reports and members who have dropped their membership. We issue reminder letters for late reports then follow up with Notices of Violation (NOVs) for those that don't respond. We are also preparing follow up with 13260 directive letters for members who have dropped out of the coalition due to non-payment. Those who do not respond within the timeframe provided will be issued NOVs. There is no enforcement occurring beyond NOVs currently. Staff works closely with the agricultural water quality coalitions throughout the compliance and enforcement process.

## SACRAMENTO RIVER WATERSHED COALITION GROUPS

### ILRP Acronyms

<b>Acronyms</b>	<b>Meaning</b>
AMR	Annual Monitoring Report
CG	Coalition Group
GAR	Groundwater Assessment Report
GQTMP	Groundwater Quality Trend Monitoring Program
GW	Groundwater
MPIR	Management Practices Implementation Report
MPU	Monitoring Plan Update
NCP	Nitrate Control Plan
QAPP	Quality Assurance Project Plan
SW	surface water
WB	Water Board

## CALIFORNIA RICE COMMISSION

### Deliverables and activities:

Submittal Date	Item	Review Status	Notes
8/2/2022	Rice QAPP Revision	In review	
10/11/2021	RPE 2021 Update	Approved 8/24/22	

## SACRAMENTO VALLEY WATER QUALITY COALITION

### Deliverables and activities:

Submittal Date	Item	Review Status	Notes
8/1/2022	Monitoring Plan Update	Under Review	
8/1/2022	New Mgt Plan	Under Review	
8/1/2022	Exceedance Investigation	Under Review	

## SAN JOAQUIN RIVER WATERSHED COALITION GROUPS

### ILRP Acronyms

Acronyms	Meaning
AMR	Annual Monitoring Report
AMPINAR	Annual Management Practice Implementation and Nitrogen Application Report
CG	Coalition Group
CVGMC	Central Valley Groundwater Monitoring Collaborative
GAR	Groundwater Assessment Report
GQTM	Groundwater Quality Trend Monitoring
GW	Groundwater
MPU	Monitoring Plan Update
QAPP	Quality Assurance Project Plan
SW	Surface water
WB	Water Board

## EAST SAN JOAQUIN WATER QUALITY COALITION

### Deliverables and activities:

Submittal Date	Item	Review Status	Notes
6/30/2022	GW GQTM Update	Approved 07/19/2022	
7/1/2022	AMPINAR	Approved 07/27/2022	
8/1/2022	MPU	Under review	

## SAN JOAQUIN COUNTY AND DELTA WATER QUALITY COALITION

### Deliverables and activities:

Submittal Date	Item	Review Status	Notes
8/1/22	Monitoring Plan Update	Approved 8/19/22	Annual deliverable discussing next seasons monitoring plan
8/8/22	Revised GMAR	Approved	Provides HVA information and GIS maps

## WESTSIDE SAN JOAQUIN RIVER WATERSHED COALITION

### Deliverables and activities:

Submittal Date	Item	Review Status	Notes
No new submittals			

## GRASSLAND DRAINAGE AREA COALITION

### Deliverables and activities:

Submittal Date	Item	Review Status	Notes
6/30/2022	GAR Update	Under review	CVGMC effort

## TULARE LAKE BASIN COALITION GROUPS

### ILRP Acronyms

Acronyms	Meaning
AMR	Annual Monitoring Report
CGQMP ASR	Comprehensive Groundwater Quality Management Plan Annual Status Report
GTM ASR	Groundwater Trend Monitoring Annual Status Report
SQMP ASR	Surface Water Monitoring Plan Annual Status Report
SWMP	Surface Water Monitoring Plan

### BUENA VISTA COALITION

#### Deliverables and activities:

Submittal Date	Item	Review Status	Notes
08/31/2022	2022 AMR	Under Review	

### CAWELO WATER DISTRICT COALITION

#### Deliverables and activities:

Submittal Date	Item	Review Status	Notes
08/31/2022	2021 AMR	Under Review	

### KAWEAH BASIN WATER QUALITY ASSOCIATION

#### Deliverables and activities:

Submittal Date	Item	Review Status	Notes
08/31/2022	2021 AMR	Under Review	
08/31/2022	CGQMP ASR	Pending	

### KERN RIVER WATERSHED COALITION AUTHORITY

#### Deliverables and activities:

Submittal Date	Item	Review Status	Notes
08/31/2022	2021 AMR	Pending	
08/31/2022	2021 CGQMP ASR	Pending	
08/31/2022	Chanac Creek SQMP ASR	Pending	

## KINGS RIVER WATER QUALITY COALITION

### Deliverables and activities:

Submittal Date	Item	Review Status	Notes
08/31/2022	2021 AMR	Pending	
08/31/2022	2021 CGQMP ASR	Under Review	

## TULE BASIN WATER QUALITY COALITION

### Deliverables and activities:

Submittal Date	Item	Review Status	Notes
08/31/2022	2021 AMR	Under Review	

## WESTLANDS WATER QUALITY COALITION

### Deliverables and activities:

Submittal Date	Item	Review Status	Notes
08/02/2022	2023 Water Year SWMP Update	Pending	
08/13/2022	2021 AMR	Pending	

## WESTSIDE WATER QUALITY COALITION

### Deliverables and activities:

Submittal Date	Item	Review Status	Notes
08/31/2022	2021 CGQMP ASR	Pending	
08/31/2022	2021 AMR	Under Review	

## OTHER PROJECTS

### GROUNDWATER PROTECTION FORMULA, VALUES AND TARGETS

On 19 July 2021, 13 ILRP Coalitions jointly submitted proposed Groundwater Protection Values for townships within designated High Vulnerability Areas. The values represent each township's total estimated N load (from irrigated agriculture) passing below the root-zone. The Groundwater Protection Values were conditionally approved by the Executive Officer on 27 October 2021. A report containing proposed Groundwater Protection Targets was submitted on 19 July 2022. The Groundwater Protection Targets are estimates of nitrogen loads that are needed to meet receiving water limits.

Development of the Groundwater Protection Targets was the focus of the April 13<sup>th</sup> and July 20<sup>th</sup> ILRP Stakeholder Meetings and multiple meetings with the Coalition and Environmental Justice representatives. The Targets report was released for public comment, and two comment letters were received. Staff recommendations on the Targets will be brought to the December Central Valley Water Board Meeting.

## **CV-SALTS IMPLEMENTATION**

On 28 June 2022 Central Valley Board executives (Patrick Pulupa, Adam Laputz) and staff (Anne Walters, True Khang, Cindy Au-Yeung, and Hannah Dailey) attended a CV-SALTS Environmental Justice Consortium. Topics included Early Action Plan implementation.

On 18 July 2022 Central Valley Board executives (Patrick Pulupa, Adam Laputz) and staff (Anne Walters, Jennie Fuller, True Khang, Cindy Au-Yeung, and Hannah Dailey) attended a CV-SALTS Environmental Justice Consortium. Topics included coordinating ILRP and Management Zone residential drinking well sampling results, replacement water efforts, enforcement efforts, co-contaminant testing efforts, outreach efforts, and updates on the Final Management Zone Proposals.

On 15 August 2022 Central Valley Water Board staff (Jennie Fuller) attended a Valley Water Collaborative meeting. Topics included outreach efforts, Final Management Zone Proposal updates, and the SAFER grant for co-contaminant testing.

On 25 August 2022 Central Valley Board executives (Patrick Pulupa, Adam Laputz) and staff (Jennie Fuller, True Khang, Cindy Au-Yeung, and Hannah Dailey) attended a CV-SALTS Executive Committee Meeting where topics included a status update on the Management Zones' general implementation and outreach progress, SAFER funding of co-contaminants in Management Zones, Central Valley Water Board Enforcement Activities, the Surveillance and Monitoring Program Conceptual Framework, and the progress of the Prioritization and Optimization (P&O) Study (including Phase 1 of the Baseline Characterization Report and Analytical Tools/Models identification and evaluation).

On 29 August 2022 Final Management Zone Proposals were submitted to the Central Valley Water Board from all Priority 1 Management Zones in the Central Valley Nitrate Control Program. These proposals will be posted for public review in September 2022.

On 2 September 2022 Central Valley Board executives (Patrick Pulupa, Adam Laputz) and staff (Jennie Fuller, True Khang, and Cindy Au-Yeung) attended a CV-SALTS Environmental Justice Consortium. Topics included Early Action Plan metrics, ILRP well testing results integration, clarification on co-contaminant testing, expectations for Management Zone Implementation Plans, and protocols for meeting individually with Central Valley Water Board Members and State Water Board Members.

**DATA MANAGEMENT**

ILRP staff continues to route water quality monitoring data through the Surface Water Ambient Monitoring Program (SWAMP) for transfer to California Environmental Data Exchange Network (CEDEN) and is current with its CEDEN uploads. CEDEN transfers occur approximately once per month. After ILRP staff performs a completeness check, SWAMP staff loads coalition monitoring data to CEDEN. Four coalitions send data directly to the Central Valley Regional Data Center for transfer to CEDEN in May each year.

Staff observed that there are several EDD data sets that have not been fully uploaded to CEDEN. Since January, staff and OIMA have been working to reconcile those missing records.

**ILRP ACRONYMS**

<b>Acronyms</b>	<b>Meaning</b>
AMR	Annual Monitoring Report
CQAP	Comprehensive Quality Assurance Plan
CVGMC	Central Valley Groundwater Monitoring Collaborative
PEP	Pesticide Evaluation Protocol

**CENTRAL VALLEY GROUNDWATER MONITORING COLLABORATIVE**

**Deliverables and activities:**

<b>Submittal Date</b>	<b>Item</b>	<b>Review Status</b>	<b>Notes</b>
6/9/2022	2022 CQAP Amendment	Review sent 8/5/22	approved
6/30/2022	Revised 5-Year Report	Review sent 8/23/22	Revisions requested

**GRASSLAND BYPASS PROJECT**

**Deliverables and activities:**

<b>Submittal Date</b>	<b>Item</b>	<b>Review Status</b>	<b>Notes</b>
4/27/2022	2021 AMR	Approved 8/3/2022	
10/21/2019	pH and Molybdenum Source Evaluations	Approved 9/9/2022	



## RICE PESTICIDES PROGRAM

### Deliverables and activities:

Submittal Date	Item	Review Status	Notes
No new submittals			

## NON-POINT SOURCE

The U.S. Environmental Protection Agency provides funding from the Clean Water Act Section 319(h) Grant Program to states to implement nonpoint source (NPS) control activities, with focus on impaired water bodies. Section 319(h) Grant Program funding is used in California to support grant projects and Water Board staff time to conduct NPS control activities that are consistent with federal nonpoint source priorities.

The Central Valley NPS Program is guided by the [2020-2025 Nonpoint Source Program Implementation Plan](#) (Five-Year Plan).

([https://www.waterboards.ca.gov/water\\_issues/programs/nps/docs/plans\\_policies/NPS%202020-25%20Accessible%20MH%203.9.21.pdf](https://www.waterboards.ca.gov/water_issues/programs/nps/docs/plans_policies/NPS%202020-25%20Accessible%20MH%203.9.21.pdf))

This implementation plan is updated every five years to reflect current priorities for NPS programs. Water Board staff utilize the Five-Year Plan to develop annual work plans. At the start of each calendar year, Water Board staff coordinate internally to determine which priority efforts would benefit from NPS funds. These activities are then incorporated into the annual work plans for the following fiscal year. For Fiscal Year 22/23 the projects listed below were prioritized for inclusion in the NPS work plan. Specific information regarding each of the projects prioritized for NPS funding can be found in the program-specific section of the EO Report.

- Implement the Clear Lake Nutrient TMDL
- Implement the San Joaquin River Selenium TMDL
- Implement pesticide TMDLs and pesticide management plans
- Implement the Stockton Dissolved Oxygen TMDL
- Post-fire Erosion and Sediment Control
- Implement Central Valley-Salinity Long-term Sustainability (CV-SALTS)
- Manage 319(h) Grants

## CANNABIS

### CANNABIS GENERAL ORDER ENROLLMENT AND DEVELOPMENTS

Staff continue to enroll dischargers into our General Order. Division of Water Quality (DWQ) has taken over responsibilities for issuing Notices of Applicability (NOAs). Fees were increased for the first time and dischargers just received invoices reflecting those

increases. Staff are responding to questions from dischargers, some of whom received significantly higher discharges than previous years.

**Cannabis Table 1. Summary of the Statewide General Order enrollments in the Central Valley Region to date**

(CE = Conditionally exempt, enrolled in the Statewide Cannabis Waiver of Waste Discharge Requirements.)

County	Tier 1H	Tier 1L	Tier 1M	Tier 2H	Tier 2L	Tier 2M	CE	Total Active Enrollments
Calaveras	0	27	2	0	64	4	6	103
Colusa	0	1	0	0	2	0	3	6
Contra Costa	1	0	0	0	1	0	4	6
El Dorado	0	5	0	0	2	0	0	7
Kern	0	0	0	0	0	0	3	3
Lake	0	135	3	8	262	3	57	468
Fresno	0	0	0	0	6	0	6	12
Merced	0	0	0	0	0	0	8	8
Nevada	2	300	5	0	37	0	30	374
Sacramento	0	0	0	0	0	0	162	162
Sierra	0	1	0	0	0	0	0	1
Solano	0	0	0	0	0	0	5	5
Shasta	0	0	0	0	0	0	21	21
Siskiyou	0	0	0	0	0	0	6	6
Stanislaus	0	7	0	0	1	0	38	46
Tulare	0	0	0	0	0	0	7	7
Yolo	0	17	0	0	46	0	6	69
Yuba	0	0	0	0	0	0	2	2
San Joaquin	0	0	0	0	0	0	6	6
Kings	0	0	0	0	2	0	2	4
<b>Totals</b>	<b>3</b>	<b>493</b>	<b>10</b>	<b>8</b>	<b>423</b>	<b>7</b>	<b>372</b>	<b>1316</b>

**CANNABIS OUTREACH**

- March 24, 2022: Virtual Outreach event on New Enrollee Information
- May 26, 2022: Virtual Outreach Event on Prepping Site for Development
- July 28, 2022: Virtual Outreach Event on Road Design

**COMPLIANCE AND ENFORCEMENT - ENROLLMENT ENFORCEMENT**

A second enrollment enforcement effort began late 2021 in the Poorman Creek Watershed. Staff issued 19 Notices to enroll on 12/23/2021. Staff then issued 19 13260

Orders on 03/10/2022. The poor response to the 13260 issued in March 2022 necessitated issuance of 19 NOVs in June 2022. Staff will continue tracking response and following up accordingly.

<b>13260-Order Project Analysis</b>		
<b>Status</b>	<b>Total</b>	<b>Next Steps</b>
Enrolled/Applied/intention to enroll	0	N/A
No longer cultivating	0	N/A
No response	19	NOVs issued – elevate enforcement

### **COMPLIANCE**

- On April 7 Janae performed compliance inspections in Lake county
- On May 24 Janae performed compliance inspections in Lake county

### **ENFORCEMENT**

- On April 5, staff performed enforcement inspections in Shasta county
- On April 28, staff performed enforcement inspections in Shasta county
- On May 3, staff performed enforcement inspections in Nevada county
- On May 12, staff performed enforcement inspections in Shasta county
- On May 18, staff performed enforcement inspections in Yuba county
- On May 26, staff performed enforcement inspections in Nevada county
- On June 22, staff performed enforcement inspections in Lassen county
- On June 30, staff performed enforcement inspection in Nevada county

### **INSPECTION REPORTS ISSUED IN NEVADA COUNTY:**

- Gutierrez site on 5/3/2022
- Tapia site on 5/26/2022
- Birge site on 6/30/2022
- Keeling site 6/30/2022

### **INSPECTION REPORTS ISSUED IN SHASTA COUNTY:**

- Botello site on 4/05/2022
- Meeker site on 4/05/2022
- Morales-Pimentel site on 4/28/2022
- Macias site on 4/28/022

- Wesso site on 5/12/2022

**13267S ISSUED IN SHASTA COUNTY:**

- Meeker site NOV issued on 5/05/2022
- Botello site NOV issued 5/05/2022
- Morales-Pimentel NOV issued on 5/27/2022
- Wesso site NOV issued on 6/10/2022

**13267S ISSUED IN NEVADA COUNTY:**

- Tapia site NOV issued on 6/16/2022

**CLEANUP AND ABATEMENT ORDERS**

- Southwick property

## **GRANTS**

### **CLEAN WATER ACT §319(H) NONPOINT SOURCE GRANT SOLICITATION**

Approximately \$4 million each year is awarded to the Water Boards through a grant from the USEPA 319(h) Program. The purpose of the program is to provide funds to restore and protect the beneficial uses of water throughout the State through the control of nonpoint source pollution consistent with completed TMDLs or TMDLs under substantial development. [For more information, please visit the NPS website](#)

([www.waterboards.ca.gov/water\\_issues/programs/nps/319grants.shtml](http://www.waterboards.ca.gov/water_issues/programs/nps/319grants.shtml)).

State Board is in the process of finalizing the 2023 Grant Solicitation for release in Fall 2022. More information regarding the 319(h) Grant Program can be found on the [State Water Board's NPS Control Program webpage](#).

([www.waterboards.ca.gov/water\\_issues/programs/nps/319grants.html](http://www.waterboards.ca.gov/water_issues/programs/nps/319grants.html))

### **CLEAN WATER ACT §319(H) NONPOINT SOURCE ON-GOING GRANTS:**

#### **IMPLEMENTATION OF BEST MANAGEMENT PRACTICES IN THE DELTA: A COMPREHENSIVE PESTICIDE MANAGEMENT PROJECT TO IMPROVE WATER QUALITY (\$399,407) (H4)**

The Delta Conservancy will develop, certify, and implement Farm Water Quality Improvement Plans through the Fish Friendly Farming Program to reduce the

generation and transport to waterbodies of agricultural chemicals, sediment, and nutrients from sites within the Sacramento-San Joaquin Delta. A time extension was requested in September 2020 due to delays with subcontracting and COVID restrictions. The request was approved, and the grant was extended to February 2024. (Closing 2/28/2024)

**SOUTH FORK BATTLE CREEK SEDIMENT REDUCTION AND WATER QUALITY ENHANCEMENT PROJECT (\$603,654) (H4)**

Tehama County Resource Conservation District (TCRCD) will implement erosion and sediment control measures for a 3.5-mile section of Ponderosa Way in Eastern Tehama County, north of State Route 36E. The project will minimize discharges of sediment to South Fork Battle Creek. (Closing 2/28/2023)

**BUTTE CREEK CAMP FIRE POST-FIRE RECOVERY PROJECT (\$785,524)**

The Butte County Resources Conservation District (BCRCD) will implement erosion and controls measures for a 2.4-mile section of Centerville Road in central Butte County, north of Butte Creek within the perimeter of the Camp Fire. The project will implement road upgrades at twenty-four erosion sites which will reduce discharges of sediment to Butte Creek. (Closing 8/31/2024).

**TIMBER REGULATION AND FOREST RESTORATION FUND ON-GOING GRANTS:**

**AMERICAN RIVER HEADWATERS RESTORATION (\$757,000)**

This Grant is for the purpose of thinning a minimum of two hundred acres (200) of overly dense forest to achieve a more fire-resilient condition in the Greyhorse valley area of the American River Headwaters and to repair existing roads, watercourse crossings to restore and protect watershed hydrology in Greyhorse Valley. This project is focused on forest health and fire resiliency in the headwaters of the North and Middle forks of the American River. Project tasks are focused on improving and protecting the watershed and water quality of these critical ecosystems. Due to a number of factors such as COVID related delays, lack of contractor capacity, lack of resource availability (parts, materials, extended wait periods for mechanical support on equipment) and limited workdays due to fire danger restrictions American River Conservancy (ARC) requested a time extension of work completion requirements. This time extension was granted, and the grant agreement was amended on 13 October 2021. The ARC to date has thinned approximately 748 acres of merchantable timber under a CALFIRE Fire Prevention Pilot Project Exemption in the Greyhorse valley. Thinning operations have met and exceeded grant requirements. Additionally, the grantee has also completed restoration of the road network throughout the project area. ARC plans to complete remaining thinning and project roadwork activities in the summer/fall of 2022. (Closing 3/31/2023)

## **UPPER BIDWELL PARK ROAD AND TRAIL SEDIMENT SOURCE ASSESSMENT AND REDUCTION PROJECT (\$706,352)**

The purpose of this project is to address the discharge of sediment from Upper Bidwell park roads and trails into Big Chico Creek Watershed through the implementation of a Sediment Source Assessment and Treatment Plan. The grant agreement was executed in early July 2020. The grantee has completed and submitted an Initial Study/Mitigated Negative Declaration for the project and a Notice of Determination was filed on 20 January 2022. The grantee has also completed 401 and 404 permit requirements for compensatory mitigation have finalized permit applications. Implementation of sediment reduction road treatments began on 1 August 2022 and is currently ongoing. Implementation activities are expected to be completed before the end of October 2022. (Closing 6/30/2023)

## **KING FIRE SIGNIFICANT EXISTING AND POTENTIAL EROSION SITES (SEPES) (\$266,366)**

The purpose of the project is to fix select priority Significant Existing and Potential Erosion Sites (SEPES) on the Eldorado National Forest (ENF) that were identified on haul routes associated with timber sales implemented under the King Fire Restoration Project (KFRP). Stream crossing structure replacement, road drainage improvements, road reconditioning, armoring of structures, rebuilding of fill slopes, and landslide removal are among the work expected. Funding will be used to replace multiple large failed and at-risk stream crossing structures with an emphasis on designing crossings to accommodate a 100-year event, plus associated sediment, and debris. CEQA has been completed. A Notice of Exemption was approved and concurred by State Board in July and filed with the Clearinghouse on August 26th, 2020. The grantee has recently submitted their project assessment and evaluation plan as well as their proposed schedule of operations. The grantee is currently working on finalizing design plans which will be submitted to the Central Valley Water Board for review. Due to delays in the project the grantee has requested grant amendment and time extension which was submitted on 4 April 2020. The grantee is requesting a new closing date of 30 June 2024. If the grant extension is approved the grantee is anticipating construction could commence by October 2022. (Closing 6/30/2023)

## **PUBLIC/DISADVANTAGED COMMUNITY/TRIBAL OUTREACH**

(An asterisk in front of an entry below denotes "Outreach to Disadvantaged Communities" or "Outreach to Tribes".)

On 16 August 2022, George Low an Engineering Geologist with the Central Valley Water Board's Redding office participated in a Greater Battle Creek Watershed Working Group (GBCWWG) meeting. The GBCWWG is generally comprised of various stakeholders such as landowners, Federal and State agencies, regional resource conservation districts and other non-governmental organizations. The purpose of the GBCWWG is to aid in facilitating, identifying, reviewing, and coordinating restoration

activities within the watershed. The GBCWWG meets quarterly to discuss items of interest related to activities within the Battle Creek watershed. In efforts to track and prioritize issues of concern to the group they have developed an Issues Tracking Spreadsheet. This spreadsheet is used to highlight concerns that members of the group have and is used to prioritize, track status and resolutions of any issues identified within the group. This quarters meeting participants focused on reviewing voting member requirements. The voting members also voted on new chair and co-chair positions. Lastly the group also discussed and provided updates to the Issue Tracking Spreadsheet, various project updates and discussed future presentation and field trip opportunities.

\*On 24 August 2022, ILRP staff met with representatives from several Environmental Justice Organizations for the quarterly update, focused on enforcement efforts in the program.

On 1 September 2022, George Low an Engineering Geologist with the Central Valley Water Board's Redding office, participated in a Local Emergency Planning Committee (LEPC), Region III virtual meeting. LEPC Region III is comprised of Butte, Colusa, Glenn, Lassen, Modoc, Plumas, Shasta, Sierra, Siskiyou, Sutter, Tehama, Trinity, and Yuba counties. The purpose of the LEPC meetings is to provide a forum for emergency management agencies, responders, industry, and the public to work together to evaluate, understand, communicate, plan, and provide training for emergency response incidents resulting from chemical hazards within the Region. One of the Central Valley Water Board's Redding staff serves as the Environmental Primary member of the committee. This month's meeting discussed, Cal OES grant updates, upcoming California Specialized Training Institute (CSTI) and other regional trainings. LEPC chair also discussed recent membership appointments on the committee. Lastly participating agencies in attendance also provided brief agency reports on incidents/activities that have occurred that they were involved with that are of interest to LEPC members.

On 7 September 2022, ILRP staff met with representatives from several Environmental Justice Organizations to discuss the proposed Groundwater Protection Targets.

\*On 14 September 2022, Meredith Howard and Karen Atkins met with Restore the Delta, Department of Water Resources, and the Delta Stewardship Council to discuss plan for the Delta Stewardship Council's Science For Communities workshop scheduled for 6 October 2022.

## **GENERAL UPDATES TO THE BOARD**

### **CONSTITUENTS OF EMERGING CONCERN (CECS)**

In 2016, Central Valley Water Board staff began working with representatives from the Central Valley Clean Water Association (representing publicly owned treatment works or POTWs) and Central Valley Municipal Separate Storm Sewer System agencies (MS4) to develop a work plan in response to State Water Board's Constituents of

Emerging Concern (CECs) Statewide Pilot Study Monitoring Plan. The POTW/MS4 group have developed the Central Valley Pilot Study for Monitoring Constituents of Emerging Concern Work Plan (Work Plan) based on feedback from the State Water Board and Central Valley Water Board staff, which was approved by the Delta Regional Monitoring Program (Delta RMP) in July 2018.

Sampling for the fourth event for Year 2 was conducted on 8 June 2022. The CEC Technical Advisory Committee will review the data from Year 2 and meet to discuss the data at the October 2022 meeting prior to being uploaded to the California Environmental Data Exchange Network by the 8 December 2022 deadline. Review of the data from Years 1 and 2 of the Work Plan are being used to inform development of the Year 3 study design. The CEC Technical Advisory Committee is working to prepare the study design with the projected timeline to finalize the study design and Quality Assurance Project Plan by 1 May 2024. Sampling for Year 3 of the study is projected to start in Summer of 2023.

## **PERSONNEL AND ADMINISTRATION**

### **STAFFING UPDATES – JULY 1, 2022 – AUGUST 31, 2022**

#### **PROMOTIONS:**

None

#### **NEW HIRES:**

None

#### **RETIREMENTS:**

Terry Bechtel – Environmental Scientist

Marcus Pierce – Engineering Geologist

James Marshall – Supervising WRCE

#### **SEPARATIONS:**

Colt Brockman – Environmental Scientist

Girma Getachew – Environmental Scientist

Julian Grijalva – Water Resources Control Engineer

Christine Hernandez – Staff Services Analyst

Ravjeer Kaur – Scientific Aid

#### **SUMMARY OF POSITIONS:**

Total Authorized Positions: 290.2



Total Temporary Positions: 21  
 Total Vacant Positions: 23.0

**Sacramento**

Authorized Positions: 161.5  
 Temporary Positions: 7  
 Vacancies: 11.0

**Fresno**

Authorized Positions: 79  
 Temporary Positions: 8  
 Vacancies: 9.0

**Redding**

Authorized Positions: 49.7  
 Temporary Positions: 6  
 Vacancies: 3.0

**TRAINING UPDATES – JULY 1, 2022 – AUGUST 31, 2022**

<b>Class Title</b>	<b>Number of Attendees</b>
Adult First Aid/CPR/AED	3
Agrochemical Transport & Fate in Soil, Surface Water & Groundwater	20
Beyond the Pandemic: The Hybrid Workforce 22-23	1
Bioassessment 101	1
CA Leadership Academy: Supervisor Development Program	2
Equal Employment Opportunity (EEO): Workplace Rights and Responsibilities (SB1343)	3
Field Safety Training	1
Groundwater Pollution and Hydrology Course	2
Highly Effective Professional Writing	5
How to Delegate to Empower Your Employees	7
Intro to SharePoint for Office 365: Exploring the Water Boards' Environment	1
Managing Stress When Working Remotely	1
Microsoft Excel Basics: Level 1	2
Microsoft Excel Basics: Level 2 Tables and Charts	1
Microsoft Excel Basics: Level 3 Formulas and Functions	1
Supervisor Development Program 80 hours	1
Take Control of Your Habits	5

Water Leadership Program: An Insider's Look ADMN111	2
Water Quality Regulation & Permitting	7
Web Accessibility: Accessible Microsoft Office Documents	1
Web Accessibility: Web Accessible PDF Documents	1

## FISCAL UPDATE

A fiscal update cannot be provided at this time due to the Water Board's implementation of the Fi\$Cal accounting system. This information will be provided once budget reports become available.

## CONTRACTS

### Operational Support Services

Contract Number	Contractor Name	Description	Start Date	End Date	Amount
20-012-150	Capitol Helicopters	Helicopter aerial surveillance services (Rancho Cordova office – SB 901 funds)	6/18/2021	6/30/2023	\$60,000
20-072-150	Air Shasta Rotor & Wing, Inc.	Helicopter aerial surveillance services (Redding office – SB 901 funds)	6/15/2021	6/30/2023	\$95,000
22-025-150	Pitney Bowes	Postage Machine Maintenance and Service (Rancho, Redding & Fresno)	7/1/2022	6/30/2024	\$11,815.40
22-026-150	Department of Water Resources	Drone Aerial Surveillance (Rancho Cordova Office)	TBD	6/30/2025	\$59,999.60

### Water Quality Study/Planning

Contract Number	Contractor Name	Description	Start Date	End Date	Amount
19-033-150-1	California Department of Water Resources	Support for Sacramento Water Coordinated Monitoring.	12/24/2019	9/30/2022	\$525,000

<b>Contract Number</b>	<b>Contractor Name</b>	<b>Description</b>	<b>Start Date</b>	<b>End Date</b>	<b>Amount</b>
20-005-150	United States Geological Survey	Development of a three-dimensional model of hydrodynamic mixing within Keswick Reservoir.	12/1/2020	11/30/2023	\$250,000
20-034-150	University of Santa Cruz	Determine the extent of beneficial use impairments caused by cyanobacteria harmful algal blooms (HABs) and toxins produced by the cyanobacteria, called cyanotoxins.	4/15/2021	1/31/2023	\$200,000
21-026-150-1	United States Geological Survey	To study the occurrence, distribution, and sources of Sacramento Splittail deformities believed to be caused by selenium in the San Joaquin River, Sacramento River, and Delta system.	9/20/2021	3/31/2024	\$100,000
22-028-150	Department of Water Resources	Support for Sacramento Water Coordinated Monitoring	10/1/2022	9/30/2027	\$875,000
23-005-150	TBD	NPS Training Module Development	7/1/2023	6/30/2026	\$200,000

## **FUTURE BOARD ACTIVITIES**

The following are significant Board meeting actions anticipated for the next three Board meetings. This is not a complete listing of all Board meeting items. This listing is tentative and subject to change for many reasons. The listing is intended to give a longer-range view of planned Regional Board activities per program.

### **DECEMBER 2022 BOARD MEETING**

#### **WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISCHARGE TO LAND**

- City of Madera WWTF (Revised)

- City of Modesto WQCF (Revised)
- Pacific Coast Producers (Revised)

## **FEBRUARY 2023 BOARD MEETING**

### **WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISCHARGE TO LAND**

- California Concentrates (revised)
- Fowler Packing (Revised)
- Rawson Road Septage Ponds (Revised)

## **APRIL 2023 BOARD MEETING**

### **WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISCHARGE TO LAND**

- Bronco Winery (Revised)
- City of Dinuba WWTF (Revised)
- Cutler-Orosi Joint Powers Wastewater Authority WWTF (Revised)
- Tucson Ridge Development WWTF (New)

## **PENDING ACTIONS BUT NOT YET SCHEDULED FOR A BOARD MEETING**

### **WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISCHARGE TO LAND**

- Azteca Milling (Revised)
- Bear Valley CSD WWTF (Revised)
- Boundary Bend Olives (Revised)
- California Dairies Inc., Tipton Milk Processing Facility (Revised)
- CDCR Mule Creek State Prison (Revised)
- Central Valley Meat (Revised)
- City of Arvin WWTF (Revised)
- City Ceres WWTF (Revised)
- City of Lemoore and Leprino Foods Company, Stone Ranch Property (Revised)
- City of Lone Tertiary Treatment Plant (Revised)
- General Order for Medium to Large Domestic Wastewater Treatment Facilities

(New)

- General Order for Nut Hullers & Processors (New)
- General Order for Food Processors (New)
- Morning Star Packing Company (Revised)
- Rabbo Bros. (Revised)
- Teichert Hallwood (Revised)
- Teichert Marysville (Revised)
- Teichert Vernalis (Revised)
- Teichert Woodland (Revised)
- Turner Road Vintners (Revised)
- Ventura Coastal Corporation (Revised)
- Woodbridge Winery (Revised)

#### **NPDES PERMITTING**

- Sequoia/Kings Canyon National Parks Rotenone Application (New Permit)

## ATTACHMENT A

### ATTACHMENT A – SANITARY SEWER OVERFLOW SUMMARY

Sanitary Sewer Overflow (SSO) Spills – 1 July 2022 through 31 August 2022

Spill Cause	Count of Spill(s)	Percent (%)
Root Intrusion	69	49%
Debris-General	21	15%
Grease Deposition (FOG)	10	7%
Pipe Structural Problem/Failure	9	6%
Debris-Rags	8	6%
Debris-Wipes/Non-Dispersible	8	6%
Other (specify below)	4	3%
Vandalism	3	2%
Debris from Construction	2	1%
Pump Station Failure-Power	2	1%
Construction Diversion Failure	1	1%
Inappropriate Discharge to CS	1	1%
Operator Error	1	1%
Pump Station Failure-Mechanical	1	1%
<b>Total</b>	<b>140</b>	<b>100.0%</b>

Sanitary Sewer Overflow (SSO) Spills (TOTAL COUNTS) – 1 July 2022 through 31 August 2022

Office	Category 1	Category 2	Category 3	Total
5F	1	0	9	10
5R	3	0	1	4
5S	15	6	105	126
<b>Total</b>	<b>19</b>	<b>6</b>	<b>115</b>	<b>140</b>

## ATTACHMENT A

- Category 1:** Discharges of untreated or partially treated wastewater of any volume resulting from an enrollee’s sanitary sewer system failure or flow condition that:
- Reach surface water and/or reach a drainage channel tributary to a surface water; or
  - Reach a Municipal Separate Storm Sewer System (MS4) and are not fully captured and returned to the sanitary sewer system or not otherwise captured and disposed of properly. Any volume of wastewater not recovered from the MS4 is considered to have reached surface water unless the storm drain system discharges to a dedicated storm water or groundwater infiltration basin (e.g., infiltration pit, percolation pond).
- Category 2:** Discharges of untreated or partially treated wastewater of 1,000 gallons or greater resulting from an enrollee’s sanitary sewer system failure or flow condition that do not reach surface water, a drainage channel, or a MS4 unless the entire SSO discharged to the storm drain system is fully recovered and disposed of properly
- Category 3:** All other discharges of untreated or partially treated wastewater resulting from an enrollee’s sanitary sewer system failure or flow condition

### Sanitary Sewer Overflow (SSO) Spills (DETAILS) – 1 July 2022 through 31 August 2022

REGION	AGENCY	Collection System	Spill Event ID	COUNTY	Did Spill Reach Surface Waters? (Yes/No)	Spill Volume (Gallons)	Volume that Reached Surface Waters (Gallons)	Spill Date	Spill Cause
5S	Antioch City	City Of Antioch CS	882491	Contra Costa	Yes	36,691	35,191	7/26/2022	Operator Error
5S	Sacramento Area Sewer District	Sacramento Area Sewer District CS	882807	Sacramento	Yes	1,354	1,320	8/16/2022	Debris-General
5F	County of Fresno	Fresno Co 41-Shaver Lake CS	882402	Fresno	Yes	1,500	1,125	7/20/2022	Root Intrusion

## ATTACHMENT A

REGION	AGENCY	Collection System	Spill Event ID	COUNTY	Did Spill Reach Surface Waters? (Yes/No)	Spill Volume (Gallons)	Volume that Reached Surface Waters (Gallons)	Spill Date	Spill Cause
5F	Mariposa Cnty DPW	Mariposa Co YOSEMITE WEST CS	882202	Mariposa	Yes	900	900	7/8/2022	Pipe Structural Problem/Failure
5S	Sacramento Area Sewer District	Sacramento Area Sewer District CS	882653	Sacramento	Yes	2,366	782	8/3/2022	Debris from Construction
5S	Sacramento Area Sewer District	Sacramento Area Sewer District CS	882393	Sacramento	Yes	102	78	7/20/2022	Debris-General
5S	Sacramento Area Sewer District	Sacramento Area Sewer District CS	882617	Sacramento	Yes	5,327	2	8/1/2022	Construction Diversion Failure
5F	Lemoore City Urban Area SW System	Lemoore WWTF CS	882566	Kings	Yes	50	1	7/26/2022	Flow Exceeded Capacity (Separate CS Only)