

EXECUTIVE OFFICER'S REPORT

9 DECEMBER 2021

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

Patrick Pulupa, Executive Officer



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SUCCESS STORIES

SITE CLEANUPS

UNDERGROUND STORAGE TANKS – SUCCESSFULLY CLOSED – NO FURTHER ACTION REQUIRED

Following are sites where Board staff concluded that residual hydrocarbons do not pose a threat to human health and safety or anticipated future beneficial uses of water. This decision is generally based on site-specific information provided by the responsible party and assumes that the information provided was accurate and representative of site conditions. Most of these cases have been evaluated in accordance with criteria in the State Water Board's Low-Threat Underground Storage Tank (UST) Case Closure Policy (*Low-Threat Closure Policy*). Upon completion of corrective action, section 2728(d)(2) of Title 23 of the California Code of Regulations requires public notification that corrective action has been completed and the regulatory agency does not intend to require additional investigation and cleanup. This document serves to provide public notification for the completion of corrective actions.

For more information regarding a site, the appropriate office personnel should be contacted: Fresno (559) 445-5116, Redding (530) 224-4845, and Sacramento (916) 464-3291.

SACRAMENTO

SILVA BROTHERS DAIRY #1, SAN JOAQUIN COUNTY

The Silva Brothers Dairy #1 located in San Joaquin County began operations at their current location in 1979 and has had several instances of water quality violations and non-compliance with the Dairy General Order since that time. After numerous Notices of Violation failed to bring the dairy into compliance, the dairy was issued a Clean Up & Abatement Order in June 2020. The CAO requires the dairy to immediately implement their nutrient management plan, submit enhanced annual reports, make significant upgrades to the dairy waste management system, update their waste management plan, remove and export solid manure from the dairy wastewater storage lagoons, and implement an updated operation & maintenance Plan.

The owner of the Silva Brothers Dairy #1, Joe Silva, has been proactive in meeting the requirements of the CDO. They started completing tasks related to the dairy clean up before the CDO was adopted in June 2020. By September 2021 the storage lagoons at the dairy had been completely cleaned out and expanded concrete constructed for improved solid manure storage, a new mechanical separator was installed and implemented into the waste management system, and an updated and accurate waste management plan was submitted. A recent inspection reveals a clean production area, freeboard in the wastewater storage lagoons, cropland in good condition, and general order required paperwork that appears accurate.

**CHEVRON USA – FORMER DUNNIGAN TERMINAL, ROAD 6 AND ROAD 99,
DUNNIGAN, YOLO COUNTY**

The Site is a former bulk storage facility in Williams in a predominantly agricultural area, which includes interspersed residential use. Chevron began conducting environmental investigation and monitoring at the Site in 1989 after it detected petroleum hydrocarbons in an on-Site water supply well. Between September 2006 and April 2007, Chevron removed four 19,400-gallon and one 17,000-gallon diesel and gasoline aboveground storage tanks (ASTs). In 2008, Chevron removed the remaining AST product conveyance lines along with approximately 314 cubic yards of petroleum-affected soil from the Site. Chevron employed excavation, air-sparging, and natural attenuation processes to remediate the Site and reduced Site hydrocarbon concentrations to levels that no longer threaten potential receptors. The case was closed on September 20, 2021.

ARCO AM/PM, 11911 DRY CREEK ROAD, AUBURN, PLACER COUNTY

In June 2020, Ravinder Johl (Johl) upgraded his fueling dispensers and equipment at the ARCO AM/PM facility. Apex Envirotech, Inc. (Apex) collected soil samples within the new product line trenches and reported two of the fourteen soil samples collected at 4 feet below ground surface contained petroleum hydrocarbons. On 20 July 2020, the Central Valley Water Board opened a UST cleanup case and requested Johl to assess impacts to soil and groundwater. In March 2021, Apex evaluated the extent of petroleum hydrocarbon impacts in groundwater and soil by collecting seven soil and three groundwater samples, which did not contain detectable concentrations of petroleum hydrocarbons. Central Valley Water Board staff concluded that the residual subsurface petroleum hydrocarbon mass poses a low threat to human health, safety, and the environment, and closed the case on 21 October 2021. (Kyle Johnson)

**CIRCLE K STORE 3614 (CASE 2), 403 MERCEY SPRING ROAD LOS BANOS,
MERCED COUNTY**

In April 1999 Merced County Department of Public Health (MCDPH) closed the first UST case. In April 2004, MCDPH opened a second UST case. Stantec operated a DPE remediation system between 2011 and 2016 and removed approximately 2,300 pounds of petroleum hydrocarbons. In September 2018, ATC submitted the *No Further Action Request* and recommended case closure. Remaining petroleum hydrocarbons in soil and groundwater at the Site meet the requirements listed in the Low-Threat Closure Policy. Central Valley Water Board staff concurred that the remaining residual concentrations of petroleum hydrocarbons at the Site do not present either a threat to water quality, human health, or the environment. Central Valley Water Board staff concurred that no further action is appropriate at the Site and closed the case on 10 October 2021. (Vera Fischer for Marilyn Petruescu)

RAYMOND GREER, 15634 STEINEGUL ROAD, ESCALON, SAN JOAQUIN COUNTY

The Site is a residential property. In 1987, H&H Ship Service removed two USTs from beneath the residence driveway. In March 1988, Raymond Greer filed an unauthorized release report. In May 2003 groundwater samples from the adjacent property domestic well contained MTBE below the water quality objectives. The adjacent property owner installed a deeper domestic well, which has not contained MTBE. Between September 2005 and November 2008, ATC Associates operated a soil vapor extraction remediation system which removed 16,500 pounds of vapor-phase hydrocarbons. Petroleum hydrocarbon concentrations in groundwater are near water quality objectives and current domestic wells are not impacted. ATC concluded that the case meets the *Low-Threat Closure Policy*. Central Valley Water Board staff concurred and closed the case on 11 October 2021. (Alan Buehler)

MONTGOMERY WARD (SFP-B PROPERTY), 5601 FLORIN ROAD, SACRAMENTO, SACRAMENTO COUNTY

In October 1986, Montgomery Ward removed the Site's former UST system. In June 1989, the Central Valley Water Board issued Cleanup and Abatement Order No. 89-711. Between 1993 and 2012, Montgomery Ward operated a soil vapor extraction (SVE), groundwater extraction (GWE) system, and an air sparging remediation system. The systems removed approximately 94,400 pounds of total petroleum hydrocarbons as gasoline (TPH-g). The property is an active Les Schwab Tire Center. Future land use is not expected to change. The property owner recorded a land use covenant restricting future use to commercial. The remaining petroleum constituents are unlikely to pose a threat to human health or further impact water of the State as they attenuate. Additionally, the Site meets all criteria for case closure as outlined in the *Low-Threat Closure Policy*. Therefore, additional active remediation and monitoring are not warranted. Central Valley Water Board staff concurred with Vestra's recommendation for regulatory case closure and closed the case on 20 September 2021. (Vera Fischer)

LEVAND-BRIGHT PROPERTY, 3 EAST ELEVENTH STREET, TRACY, SAN JOAQUIN COUNTY

In October 2013, consultants located the historic UST under the Site's sidewalk. The UST and associate piping were removed in May 2014. The property is currently a vacant lot and future land use is anticipated to be light commercial. Consultants completed investigations between 2014 and 2020. Petroleum hydrocarbons are below *Low-Threat Closure Policy* threshold values in soil and groundwater. Active remediation or additional monitoring related to the unauthorized release of petroleum hydrocarbons to the groundwater are not warranted. Residual petroleum hydrocarbons in groundwater are expected to continue to attenuate naturally without migrating beyond the current

extent. Therefore, the remaining petroleum constituents are unlikely to pose a threat to human health or further impact waters of the State as they attenuate. Central Valley Water Board staff concurred with the consultant's recommendation for regulatory case closure and closed the case on 20 September 2021. (Vera Fischer)

MERCED COUNTY PUBLIC WORKS YARD, 715 MARTIN LUTHER KING JR WAY, MERCED, MERCED COUNTY

Merced County Public Works (MCPW) had a release of petroleum fuel at the Site and removed the USTs in 1986. In 2008, MCPW excavated 126 cubic yards of impacted soil for offsite disposal. From December 2010 to November 2012, MCPW operated an air sparge / soil vapor extraction system, which removed 1,860 pounds of hydrocarbons from the subsurface. The remaining petroleum constituents in soil, soil gas, and groundwater are unlikely to pose a threat to human health or further impact waters of the state as they attenuate. Central Valley Water Board staff concurred with Moore Twinning Associate's recommendation for case closure and closed the case on 27 August 2021 (Alan Buehler for Marilyn Petruescu)

FRESNO

No closures reported during this reporting period.

REDDING

M&K PROPERTIES, CASE 040307, BUTTE COUNTY

The case involves a release of unknown quantities of petroleum hydrocarbons from three USTs that was discovered during preparation for the site redevelopment in 2018. Butte County Environmental Health Department referred the case to the Central Valley Water Board after petroleum-impacted soil was encountered during UST excavation. Further assessment indicated that soil impacts were localized to the vicinity the USTs and that groundwater was unlikely to be affected. An estimated 490 gallons of petroleum-related liquids wastes, and sludge were recovered and disposed during UST removal. Staff closed the case under the Low-Threat Closure Policy in October 2021. (Kate Sjoberg)

SAN FRANCISCO DELI, CASE 2050607, SHASTA COUNTY

The Site previously was occupied by a gasoline service station, a tire shop, U-Haul rental shop, and furniture store. Between 2017 and 2019, the current owners performed assessment activities including monitoring well installation, collection of soil, grab groundwater, and soil vapor samples, and performance of an indoor air-quality survey. Site soil and groundwater were impacted with petroleum hydrocarbons, volatile organic compounds (VOCs), and metals. Remediation activities consisted of excavating an estimated 104 tons of soil containing approximately 8.5 tons of petroleum and an unknown amount of metals and VOCs. In June 2021 Central Valley Water Board staff conducted an internal investigation to assess whether elevated concentrations of metals

detected in grab groundwater samples pose a risk to sensitive receptors. Staff determined that the metals detected in grab groundwater samples are naturally occurring and do not pose a risk to the environment or to human health. Staff closed the case in October 2021. (Bill Bergmann)

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 – Central Valley Enforcement Orders
(1 September through 15 October 2021)**

Action Date	Agency	County	Notes
9/1/2021	Marshall Hurley	Tehama	Central Valley Water Board staff issued the 13267 Order for unlawful discharge of waste and threat of discharge of waste to waters of the State from a cannabis cultivation site. On 27 May 2021, during a joint inspection with the California Department of Fish and Wildlife, Central Valley Water Board staff documented various violations and unlawful waste discharge and threat of waste discharge from active cannabis cultivation site. The 13267 Order requires the Discharger to immediately submit a workplan for site restoration and mitigation measures that addresses past discharges and the threats of future discharges. In addition, the order requires the Discharger to submit monitoring plan that provides the means, methods, and documentation that will be used to evaluate the installed restoration and mitigation measures are performing as intended.

Action Date	Agency	County	Notes
9/3/2021	JG Weststeyn Dairy, LP	Glenn	Cease and Desist Order (CDO) R5-2021-0043 issued for failure to implement proper best management practices to minimize dairy wastewater flow into a tail water pond, which then discharged to Baker Slough, failure to treat its wastewater prior to disposal, application of manure to land application areas, and failure to furnish monitoring reports on time. The CDO requires the Discharger to immediately cease all discharge to Baker Slough and modify the commodity storage pad to ensure that all leachate from the pad enters the lined lagoon instead of Baker Slough and submit technical and progress reports.
9/3/2021	JG Weststeyn Dairy, LP	Glenn	Stipulation of Entry of Administrative Civil Liability Order (Stipulated Order) R5-2021-0519 in the amount of \$21,379 issued for violations of Waste Discharge Requirements (WDRs) Order R5-2009-0082 for failing to timely submit monitoring and technical reports.
9/10/2021	CA Dept of Parks & Rec Malakoff Diggins State Historic Park	Nevada	Administrative Civil Liability (ACL) R5-2021-0514 in the amount of \$3,000 addresses mandatory minimum penalties (MMPs) for an effluent limit violation. EPL converted to an ACL upon execution by the Central Valley Water Board's Executive Officer.
9/17/2021	Brandon Wood	Nevada	Central Valley Water Board staff issued the 13267 Order for unlawful discharge of waste and threat of discharge of waste to waters of the State from Cannabis Cultivation site. On 9 July 2021, during a joint inspection with the California Department of Fish and Wildlife, Central Valley Water Board staff documented various violations and unlawful waste discharge and threat of waste discharge from an active cannabis cultivation site. The 13267 Order requires the Discharger to immediately submit a workplan for site

Action Date	Agency	County	Notes
			restoration and mitigation measures that addresses past discharges and the threats of future discharges. In addition, the order requires the Discharger to submit a monitoring plan that provides the means, methods, and documentation that will be used to evaluate the installed restoration and mitigation measures are performing as intended.
9/21/2021	LOL AUTO PARTS INC	Stanislaus	Stipulated Order R5-2021-0519 in the amount of \$3,000 for failure to submit 2017 and 2018 annual monitoring reports required by the Industrial Storm Water General Order.
	See following 43 Dischargers		13267 Orders were issued to 43 dischargers for failure to monitor groundwater as required by either the Reissued Waste Discharge Requirements General Order for Existing Milk Cow Dairies, Order R5-2013-0122 (Reissued Dairy General Order) or the Waste Discharge Requirements General Order for Confined Bovine Feeding Operations, Order R5-2017-0058 (Bovine Feedlot General Order). The order requires the Dischargers to implement an individual groundwater monitoring program at the Facility or participate in representative groundwater such as the Central Valley Dairy Representative Monitoring Program or Central Valley Bovine Representative Monitoring Program.
10/1/2021	George Aguiar	Placer	See above description
10/1/2021	Alston Farms	Glenn	See above description

Action Date	Agency	County	Notes
10/1/2021	Yvonna Brindeiro	Stanislaus	See above description
10/1/2021	Joe Xavier Dairy	Merced	See above description
10/1/2021	Luis Bento	Stanislaus	See above description
10/1/2021	Beverly Schick	Merced	See above description
10/1/2021	John & Elizabeth Bricchetto	Stanislaus	See above description
10/1/2021	Sukhdev Singh	Stanislaus	See above description
10/1/2021	Armelim De Sousa	Stanislaus	See above description
10/1/2021	Frank Coelho	Stanislaus	See above description
10/1/2021	Joe S & Frank S Couto	Glenn	See above description
10/1/2021	Brian Santos	Sacramento	See above description
10/1/2021	Machado Living Trust	Sacramento	See above description
10/1/2021	Marc Duivenvoorden	Tehama	See above description
10/1/2021	Joe Gonsalves	Stanislaus	See above description
10/1/2021	Henry Tosta	San Joaquin	See above description
10/1/2021	Jose & Ermelinda Silveira	Glenn	See above description
10/1/2021	John & Maria Silveira	San Joaquin	See above description
10/1/2021	Robert Morelli	Stanislaus	See above description
10/1/2021	Joe Avis	Sacramento	See above description
10/1/2021	Joe Sousa Jr Dairy	Stanislaus	See above description
10/1/2021	Lucio Corral Rodriguez	Stanislaus	See above description
10/1/2021	John Santos	Merced	See above description
10/1/2021	Vierra, Manuel	Merced	See above description
10/1/2021	Mary Martin	San Joaquin	See above description
10/1/2021	Tony Meirinho	Merced	See above description
10/1/2021	Frank Coelho	Stanislaus	See above description
10/1/2021	Fernando B. Silva Trust	Stanislaus	See above description

Action Date	Agency	County	Notes
10/1/2021	Greg M. Nunes	Stanislaus	See above description
10/1/2021	Leroy Ornellas	San Joaquin	See above description
10/1/2021	Paul & Paula Schmidt	Glenn	See above description
10/1/2021	Johnny & Nicole Morris	Stanislaus	See above description
10/1/2021	Ferreira & Son Dairy	Tehama	See above description
10/1/2021	Jaspal & Amarjit Sahota	Merced	See above description
10/1/2021	Scott Murphy	Tehama	See above description
10/1/2021	Sietse Tollenaar	Yuba	See above description
10/1/2021	Frank G & M Grace Machado	Placer	See above description
10/1/2021	Kelly Christian	Merced	See above description
10/6/2021	Eduardo Garcia	Kern	See above description
10/12/2021	Mike Kindberg	Merced	See above description
10/12/2021	Double M Family Farms LLC	San Joaquin	See above description
10/12/2021	Manuel Avila	Merced	See above description
10/12/2021	Larry & Teri Guess	Stanislaus	See above description

Enforcement Table 2 below summarizes the enforcement actions issued in all Regions for the period between 1 September 2021 through 15 October 2021. From a statewide perspective, the Central Valley Water Board is responsible for 16% of the enforcement actions tracked in CIWQS during this period including 94% of all 13267, 27% of all ACLs, and 27% of all NOV's.

**Enforcement Table 2 – Statewide Enforcement Actions in CIWQS
(1 September 2021 through 15 October 2021)**

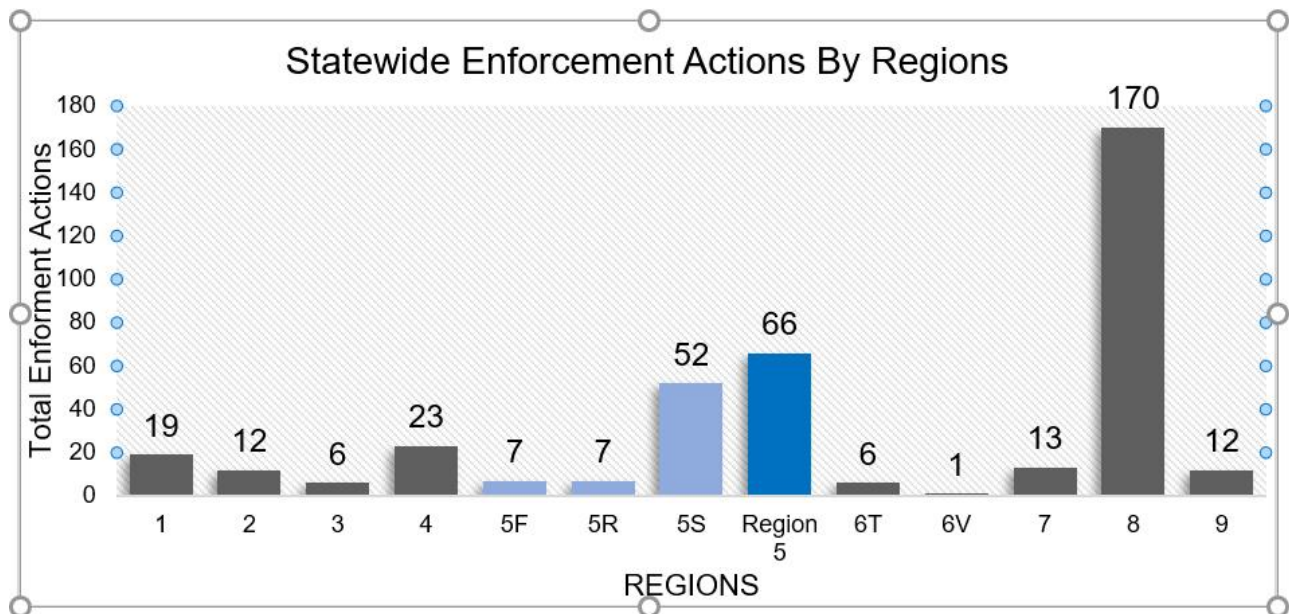
Region	13267	NNC	ACL	CDO	NOV	RAG	SEL	VER	Total
1	0	0	1	0	18	0	0	0	19
2	0	11	0	0	0	1	0	0	12
3	0	0	2	0	4	0	0	0	6
4	2	14	0	0	0	0	0	7	23
5F	1	0	0	0	5	0	0	1	7

Region	13267	NNC	ACL	CDO	NOV	RAG	SEL	VER	Total
5R	2	0	0	0	5	0	0	0	7
5S	42	0	3	1	5	0	0	1	52
Region 5	45	0	3	1	15	0	0	2	66
6T	0	0	0	0	6	0	0	0	6
6V	0	0	0	0	0	0	0	1	1
7	0	8	2	0	3	0	0	0	13
8	0	111	1	0	3	0	8	47	170
9	1	0	2	0	6	0	3	0	12
Total	48	144	11	1	55	1	11	57	328

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



Enforcement Figure 1: Enforcement Actions: Statewide Enforcement Actions recorded in CIWQS

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

ENFORCEMENT TABLE 3 – REGION 5 ENFORCEMENT ACTIONS REPORTED IN GEOTRACKER (1 SEPTEMBER THROUGH 15 OCTOBER 2021)

Region	13267 Requirement	CAO	Staff Letter	Warning Letter	Total
5F	1	1	25	0	27
5R	0	0	17	3	20
5S	1	0	50	1	52
Total	2	1	92	4	99

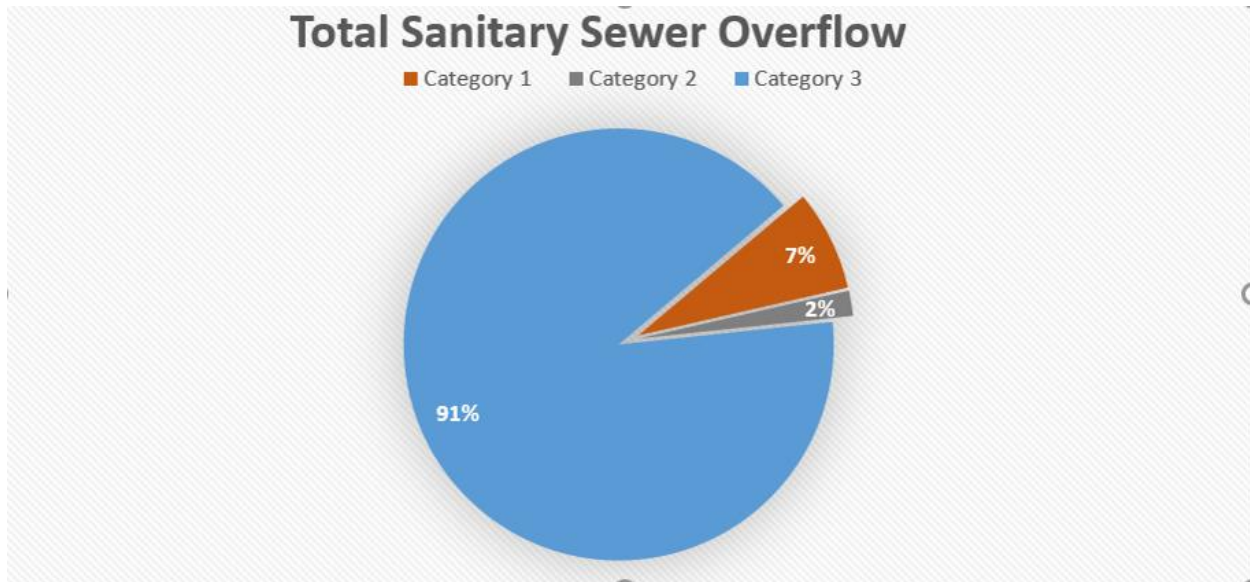
Finally, the Board’s Irrigated Lands Regulatory Program (ILRP) does not upload enforcement actions into either the CIWQS or GeoTracker databases. For the period between 1 September through 15 October 2021, a summary of those enforcement actions is included in Table 4, below.

ENFORCEMENT TABLE 4 – REGION 5 ILRP ENFORCEMENT ACTIONS (1 SEPTEMBER THROUGH 15 OCTOBER 2021)

Region	Water Code Section 13260 Letters/ Directives for Failure to Enroll in ILRP	Reminder Letter for Failure to Submit Annual Reports (Farm Evaluations and Nitrogen Management Plan Summary Report)	NOVs for Failure to Submit Annual Reports (Farm Evaluations and Nitrogen Management Plan Summary Report)	Total
5F	240	0	0	240
5R	0	0	0	0
5S	0	873	97	97
Total	240	873	97	1,210

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 an 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 September 2021 through 15 October 2021, there was no reported SSO incidents in which 50,000 gallons or greater spilled reached surface water.



Enforcement Figure 2: Central Valley Sanitary Sewer Overflow Summary (1 September 2021 through 15 October 2021)

For the reporting period between 1 September through 15 October 2021, there were 106 total SSO spills: 8 Category 1, 2 Category 2, and 96 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). 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

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 September through 15 October 2021, Central Valley Water Board staff have received a total of **30 complaints** from phone calls, emails, and from the [CalEPA Complaint database](https://calepacomplaints.secure.force.com/complaints/) (<https://calepacomplaints.secure.force.com/complaints/>). To date, 27 (90%) complaints have been investigated and closed or referred to another environmental enforcement agency. Investigations for the remaining three (3) 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.

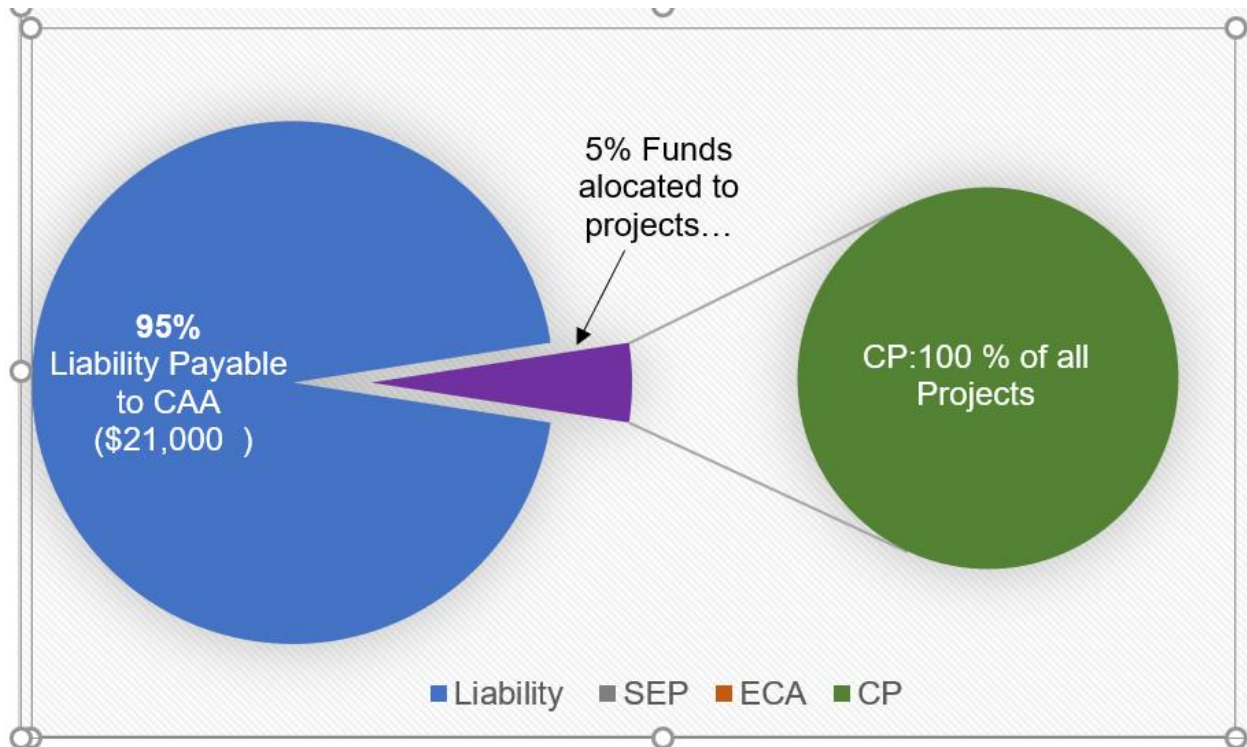
SUPPLEMENTAL ENVIRONMENTAL PROJECT (SEP)

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 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.

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 September through 15 October 2021, the chart below summarizes total monetary penalties that were issued by the Central Valley Water Board. A total of \$61,379 in monetary penalties (Liability payable to CAA, CP and SEP) were issued during this period, of which \$,000 (95%) of the penalties were paid to the State Water Pollution Cleanup and Abatement Account and \$3,000 (5%) of the penalties were allocated to projects (CP, SEP, or ECA). The funds that were allocated to these projects \$3,000 (100% of all funds allocated to projects) was allocated for CPs, (see Figure 3 below).



Enforcement Figure 3: Region 5 – Sum of Total Monetary Penalties Issued during the fiscal year (1 September 2021 through 15 October 2021)

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 time 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)

**ENFORCEMENT TABLES 5A-5E – CENTRAL VALLEY WATER BOARD
INSPECTION PERFORMANCE MEASUREMENT SUMMARY (1 JULY 2021
THROUGH 15 OCTOBER 2021)**

Table 5a – NPDES Wastewater

Programs	Original Target	Facilities Inspected	% Complete = Actuals/ Original Target	Revised Target	Total # of Inspections Performed
Major Facilities Inspected	24	0	0%	NA	0
Minor Facilities Inspected	11	3	27%	NA	3

Table 5b – NPDES Storm Water

Programs	Original Target	Facilities Inspected	% Complete = Actuals/ Original Target	Revised Target	Total # of Inspections Performed
Stormwater Construction Inspections	385	91	25%	NA	96
Stormwater Industrial Inspections	195	58	30%	NA	58
Stormwater Municipal Inspections	0	5	NA	NA	8

Table 5c – Waste Discharge to Land (Wastewater)

Programs	Original Target	Facilities Inspected	% Complete = Actuals/ Original Target	Revised Target	Total # of Inspections Performed
Municipal Waste, Industrial Waste, and All Other Facilities - Number of Inspections	102	31	30%	NA	30

Table 5d – Land Disposal

Programs	Original Target	Facilities Inspected	% Complete = Actuals/ Original Target	Revised Target	Total # of Inspections Performed
Landfill Inspections	77	24	31%	NA	24
All Other Inspections	29	8	28%	NA	9

Table 5e – Other Programs

Programs	Original Target	Facilities Inspected	% Complete = Actuals/ Original Target	Revised Target	Total # of Inspections Performed
Forest Activities Inspections	267	79	30%	NA	88
Confined Animal Facility Inspections	275	51	19%	NA	53

ENFORCEMENT TABLE 6 – CENTRAL VALLEY WATER BOARD CLEANUP ACTION SUMMARY (1 JULY 2021 THROUGH 15 OCTOBER 2021)

Table 6 – Clean Up

Programs	Original Target	Actuals: Permits or Issued	% Complete = Actuals/ Original Target	Revised Target	Total # of Permits Issued
New DoD Sites into Active Remediation	4	0	0%	NA	NA
New SCP Sites into Active Remediation	34	4	12%	NA	NA
Cleanup Program Sites Closed	40	16	40%	NA	NA
New UST Sites into Active Remediation	9	0	0%	NA	NA
Underground Storage Tank Sites Closed	63	4	6%	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). Seven control study reports investigating MeHg management in municipal wastewater and urban stormwater runoff discharges have been completed and evaluated by the Review Panel.

A second Review Panel reviewed the remaining 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>)

A one-day virtual meeting for methylmercury control study participants summarizing control study findings to-date and related impacts to the DMCP was held on 10 September 2020. Board staff met with dischargers to discuss the control study reports and to obtain clarification information and anticipate issuing letters of compliance with the DMCP for all studies.

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 throughout the development of the DMCP Review and included within the administrative record.

More information on the DMCP, including the CEQA scoping presentation slides and recording, can be found on the [DMCP website](#) here:

(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, including Technical Advisory Committee (TAC) and Steering Committee (SC) meetings as well as other smaller meetings to provide support for program implementation. The program is transitioning the

Implementing Entity from the Aquatic Science Center to the newly formed 501(c)3 Delta RMP entity, comprised of RMP permittees.

On 15 October 2021, the Board adopted Resolution No. R5-2021-0054 to approve the new Delta RMP governance structure and implementing entity. The Resolution also identified program submittals, and some require approvals by the Executive Officer, State Water Board Quality Assurance Officer, or Central Valley Water Board Quality Assurance Representative.

Board staff reviewed a revised Governance Report requested by the Executive Officer to provide more details on the new implementing entity, program structure, and to address Board staff questions. Board staff have also met with OCC to discuss how to update the language in the Board permits and orders to reflect the new RMP program structure.

The Delta RMP SC and TAC met at a joint meeting on 27 October 2021 to discuss long-term planning for the Delta RMP. Board staff gave a presentation to the program participants about long-term program planning options to optimize program efficiency and workload. Additionally, a program survey was implemented to identify Delta RMP strengths, weaknesses, and priorities for further discussion at the long-term planning meeting (currently being planned for December 2021). The new Delta RMP implementing entity presented key decisions made by the Board of Directors (BOD) at the past few meetings. The technical program manager sought feedback from the TAC and SC on harmful algal bloom monitoring in FY21-22.

Board staff approved the draft Year 2 CEC Quality Assurance Program Plan (QAPP) on 13 October 2021, which allowed sampling to commence the following week. Board staff coordinated with State Board staff to review the general QAPP (covers all topics other than CECs) and the Data Management Standard Operating Procedures document for FY21/22 monitoring.

On 28 October 2021, the Current Use Pesticides TAC formed under the new implementing entity held a meeting to discuss how to resolve an issue that was encountered with a chronic toxicity test using *Chironomus dilutes*. State Board staff provided prompt guidance to address the issue.

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 are coordinating with Delta Science Program, CDFW, and State Water Board to improve sharing of data and monitoring opportunities for harmful algal blooms (HABs).
- Board staff are working with CDFW, DWR, and USGS on plans for restarting an Interagency Ecological Program (IEP) Project Work Team focused on nutrients, water quality, and HABs. Objectives of the work team include increasing information distribution amongst the entities collecting data in the Delta and identifying information gaps.
- Board staff are part of a project team that is monitoring cyanotoxins in water and benthic organisms in the Delta. The first year of sample collection for the 2-year project was completed in August 2021. Board staff are participating in project tracking, reporting, and data management.
- Board staff are nearing completion of a report estimating mass loads of nitrogen and phosphorous entering and exiting the Delta. This work updates and extends previously published load estimates and covers the period 2008-2019.
- Board staff collected samples for a project tracking occurrence and spread of strains of the cyanobacteria *Microcystis* in the Delta. This project is testing the hypothesis that *Microcystis* cells that overwinter in sediment at a few locations are driving summer blooms at these locations and elsewhere in the Delta. The project is funded by the State Water Board Freshwater HAB Program and supplemental environmental project funds administered by the Delta RMP.
- Board staff have been coordinating with Restore the Delta and San Francisco Baykeeper on HAB monitoring in Stockton. Field data collection for the 2021 bloom season ended in October and these groups continue to meet to analyze and discuss data results.

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. The data from 10 September 2021 through 4 November 2021 indicate one excursion below the water quality objective of 6 mg/L on 27 October 2021. On 27 October 2021, the Port of Stockton began operating the aerator and dissolved oxygen levels increased to above 6 mg/L by 30 October. However, the water quality objective relaxes to 5 mg/L in November. DO concentrations remained above 5 mg/L. The aeration facility remains in operation as of 4 November 2021. The lowest dissolved oxygen concentration during

any of the temporary excursions in this reporting period was above 5 mg/L which is unlikely to result in significant impacts.

[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_projects/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 TMDLs, are now 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 15 July 2020, Board staff sent orders under 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 2020, 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 the Phase I MS4 permittees have complied with the Orders and submitted Plans by 1 December 2021. Two Phase 1 MS4 Baseline Monitoring Plans have been approved by the Executive Officer. A revised draft of the remaining Phase 1 MS4 Baseline Monitoring Plan is being reviewed by Board staff.

Nine Phase II MS4 permittees have selected the baseline monitoring option. Of these nine, five Phase II MS4 permittees' Baseline Monitoring Plans have been approved. A revised draft Baseline Monitoring plan for four Lake County Phase II permittees is being revised by the permittees.

Forty of the fifty Phase II MS4 permittees submitted PMPs on time and 3 requested and were granted extensions. Board staff began reviewing the submitted PMPs. Board staff are following up with the seven Phase II MS4 permittees that did not submit PMPs by the 19 August 2021 deadline.

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_project_s/central_valley_pesticides/pyrethroid_tmdl_bpa/index.html) at:

(https://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_project_s/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 Environmental Driver's study, the UC Davis study, Tribal monitoring data, and other stakeholder efforts. Implementation of the existing TMDL will continue.

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/)

TRIBAL BENEFICIAL USES DESIGNATION

On 2 May 2017 beneficial use designations relating to California Native American Tribes were established by the State Water Board through Resolution 2017-0027, which 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. The new beneficial use definitions are Tribal Tradition and Culture (CUL), and Tribal Subsistence Fishing (T-SUB) ("Tribal Beneficial Uses", or TBUs). In addition, the State Water Board also defined a beneficial use for Subsistence Fishing (SUB) unrelated to California Native American Tribes (though it can be used by Tribal members, as applicable). The SUB and T-SUB beneficial uses relate to the risks to human health from the consumption of fish or shellfish. 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 TBUs as a priority project.

Board staff drafted Basin Plan Amendment (BPA) to add the TBU definitions to the Basin Plans in 2021 and publicly released the draft BPA, Staff Report, and updates to the Basin Plans for public comment on 21 September 2021.

Board staff are developing an approach to designate waterbodies for TBUs in collaboration with Tribes and stakeholders. This process was discussed during several meetings in spring 2021. The approach was presented to the Board at the June 2021 Board meeting. An invitation letter was sent out to all Tribal Chairpersons on 2 August 2021, inviting TBU designation requests and providing templates facilitating participation and information. Board staff sent out an update to these materials on 21 September 2021 and directed tribes to contact the Tribal Coordinator to establish a timeline for submitting designation requests and supporting evidence to supplement the request to the Board.

Board staff applied for and were awarded an AmeriCorps Civic Spark Fellow to support the TBU project, which began in September.

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](https://www.waterboards.ca.gov/centralvalley/water_issues/basin_plans/tribal_beneficial_uses/) website at:

(https://www.waterboards.ca.gov/centralvalley/water_issues/basin_plans/tribal_beneficial_uses/)

2021 TRIENNIAL REVIEW

The Triennial Review consists of the Board's solicitation of public comments on water quality issues in the Central Valley that may need to be addressed through basin plan amendments. The Triennial Review is summarized through a prioritized workplan that describes the actions the Board may take over the next three years to investigate and respond to these issues. The Board's solicitation process includes providing an opportunity for interested persons to provide written comments to the Board. Though the list of issues raised through the public solicitation process typically far exceeds available resources, the Triennial Review helps the Board identify and prioritize water quality issues that need to be addressed through the Basin Planning and TMDL Programs. Board staff intend to bring the 2021 Triennial Review Workplan to the Central Valley Water Board for adoption in 2022. Board staff are currently developing the 2021 Triennial Review Workplan based on comments received.

BIOSTIMULATORY BIOINTEGRITY POLICY DEVELOPMENT

The State Water Board is developing a statewide plan for control of bio stimulatory (eutrophic) substances and protection of biological integrity as an amendment to the Water Quality Control Plan for Inland Surface Water, Enclosed Bays and Estuaries of

California (ISWEBE Plan). The Amendment is expected to include numeric or narrative water quality objective(s) for bio stimulatory substances and control options for point and non-point sources. It is anticipated to apply statewide to streams, rivers, lakes, and reservoirs. Biostimulator 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.

Board staff are tracking the State Water Board activities and State Water Board anticipates hosting stakeholder meetings in Spring 2022. In addition, Board staff are working directly with the Southern California Coastal Water Research Project to evaluate in detail the data and bio stimulatory factor relationships in human-impacted streams and lakes and reservoirs in the Central Valley.

REGIONAL TEMPERATURE CRITERIA DEVELOPMENT

The 2018 Triennial Review identified Temperature Criteria and Objectives as a priority project to develop regionally applicable temperature criteria for the Central Valley. The report completed in FY18/19 that assessed the EPA Region 10 temperature criteria applicability for the Central Valley recommended the development of regionally based criteria. Board staff are coordinating with Division of Water Rights on next steps to identify studies needed for developing a long-term approach to address unresolved temperature criteria questions and uncertainties. Board staff participated in a three-part discussion with Water Rights staff and various stakeholders, including state and federal agencies and academic researchers, on temperature studies. Water Rights has been developing contracts with scientific research partners to implement the studies developed during those meetings and continue to coordinate with Board staff.

SALINITY AND CV SALTS

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

The CV-SALTS Central Valley-wide Salt and Nitrate Management Plan (SNMP) was completed and submitted to the Board on 12 January 2017. A resolution acknowledging receipt of the SNMP and directing Board staff to begin basin plan amendment work to implement the SNMP as appropriate was adopted at a 9 March 2017 hearing

Final copies of the [SNMP](#) and related policy documents can be found here:

(https://www.waterboards.ca.gov/centralvalley/water_issues/salinity/salt_nitrate_mgtplan/)

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)

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

Table 1. Priority 1 Management Zone (MZ) Program EAP Implementation Totals (as of 1 November 2021)

EAP Metric	Total (all MZs)	Turlock/ Modesto	Chowchilla	Kings	Kaweah	Tule
Inquiries/Interest/calls	1759	456	17	525	125	636
Size of Management Zone		> 5000	<1000	>5000	<1000	<1000
Testing Applications Submitted	1190	525	4	446	92	123
Ineligible	384	102	0	185	17	80
Not Responsive	161	88	0	31	32	10
Wells Tested/ Scheduled/Known	551	252	3	239	24	33
Above 10 mg/L	313	153	3	118	24	15
Average Percent over 10 mg/L	57%	61%	100%	49%	100%	45%
Households receiving bottled water	355	176	3	125	30	21
Fill Station (FS) Locations	7	0	0	3	2	2
FS Average Gallons per Day	1179	0	0	270	258	651
Total Households/ equivalents	945					

More information about the [SNCP](#), can be found at (<https://cvssalts.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/)

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

MAA meetings with Board staff and representatives for USBR, the Westside San Joaquin River Watershed Coalition, and the Grassland Water District are held quarterly. The next meeting to discuss ongoing activities supporting the San Joaquin River Real Time Management Program activities (RTMP) will be held on 20 December 2021. USBR's FY21/22 Work Plan was approved by the Executive Officer on 17 September 2021.

[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 indicator bacteria on California's 303(d) List. To keep the public and local agency partners informed about current conditions, SWAMP has been collecting weekly E. coli samples in the Lower American River and Steelhead Creek and posting results to an online map. This effort is in conjunction with a coordinated stakeholder study to collect DNA source identification samples and characterize the contributing sources of E. coli to the river. Sampling for Phase 1 of the study was completed in September 2020 and included ten sites on the American River and two urban runoff locations. An initial review of the data indicates that birds are the most consistent source of contamination in this reach. The DNA marker for birds was detected in 80% of the samples, while the marker for dogs was detected in 27% of samples and for humans in 9% of samples. Monitoring for Phase 2 of the study began in July 2021 and focuses on the river reach from Sutter's Landing Regional Park downstream to the confluence with the Sacramento River. Over 100 samples were submitted for DNA analysis and results are expected in December 2021. A stakeholder meeting will be held in January 2022 to review the results and finalize plans to complete Phase 2 of the study.

SUMMER 2021 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 initiated in June 2021 in the Lone Tree Creek watershed, which has historically high levels of E. coli.

[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/).

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:

(https://mywaterquality.ca.gov/habs/hab-related_illness.html)

FALL 2021 – 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 11 September 2021 to 9 November 2021 is provided in Cyanobacteria Table 1.

Cyanobacteria Table 1. Bloom Summary: (11 September 2021 through 9 November 2021)

Category	Count
Number of Suspected Blooms Investigated since previous EO Report	32
Number of Confirmed Blooms* since previous EO Report	22
Number of Continuing Blooms* from previous EO Report	18
Number of Distinct Water Bodies with Confirmed Blooms since previous EO Report	36
Number of Human Illnesses Reported since previous EO Report (under investigation) [‡]	1
Number of Animal Impacts Reported since previous EO Report (under investigation) [§]	1

*Confirmed and continuing blooms are identified through response actions by Board staff or by monitoring programs conducted by other stakeholders. Informed visual confirmation from partner entities was included as a confirmation of a bloom.

[‡]The human illnesses reported was likely not HAB related.

[§]The animal impact reported is still under investigation.

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 the USFS and BLM on 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. Until August 2021, staff had been coordinating permit development activities with the Lahontan Regional Water Board, due to conflicting priorities Region 6 withdrew from the project. The USFS and BLM have prepared documents establishing best management practices to ensure water quality protection during activity implementation, those BMPs will be released for use in Nov/Dec 2021. Tribal consultations were initiated in 2020 and are on-going. A contract to prepare an EIR for the project was executed in 2020 and EIR sections are in development. Permit drafting is on-going as is monthly meetings with the USFS and BLM representatives and biannual executive meetings. Staff expects to bring the proposed permit to the board for consideration in early 2023.

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. Since the last update, all NEPA/CEQA permitting was completed, landowner access agreements were signed, the project went out to bid and a contractor was selected, construction material were purchased, and the project implementation was started on 6 July 2021. Implementation was started but was halted from July 13th until August 24th due to impacts from the Dixie Fire. The project area was not directly impacted by the fire, but it was close to the project area and access to the project area was restricted by Cal Fire. Work resumed on August 25th and as of October 1 construction implementation is 50% complete. (Closing 12/31/2021)

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 to streamline the permitting process. NPDES Tables 1 through 3, below, summarize the Notices of Applicability that have been issued

to date for Fiscal Year 2021/2022 (1 July 2021 through 31 October 2021) for the General Waste Discharge Requirements/NPDES Permit for Limited Threat Discharges to Surface Water (Limited Threat General Order), Waste Discharge Requirements for Municipal Waste Dischargers that Meet Objectives/Criteria at the Point of Discharge to Surface Water (Municipal 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

Facility	General Order Permit Number
PG&E Iron Canyon Dam	R5-2016-0076-069
California Water Service (Visalia District)	R5-2016-0076-071

NPDES PERMIT Table 2 - Municipal General Order

Facility	County	General Order Permit Number
None issued to date		

NPDES PERMIT Table 3 - CAAP General Order

Facility	County	General Order Permit Number
CDFW and USBR Nimbus and American River Fish Hatcheries	Sacramento	R5-2019-0079-005

DAIRIES/CONFINED ANIMAL FACILITIES

CONFINED ANIMAL FACILITY INSPECTIONS

The Confined Animal Facilities Program’s FY2020/2021 performance target for confined animal facility inspections is 275, including dairies, bovine feedlots, and poultry facilities. Staff have completed 59 inspections as of the beginning of November, in part due to the fact that staff resources in Q1 were dedicated to performing comprehensive reviews of last year’s annual reports, issuing two formal enforcement orders (including follow up to ensure compliance with the terms of the orders), and issuing several mass-mail notices to non-filers and for other compliance issues. Staff have also experienced delays caused by a personnel vacancy and COVID-19 restrictions. Despite this, staff intend to increase the rate of inspections and make up for the shortfall.

OIL FIELDS

WASTEWATER SURFACE PONDS

Central Valley Water Board staff continue 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. Items that were completed by Staff include the following:

- Issued Notices of Violation to two operators for failing to comply with their monitoring and reporting programs.
- Finalized a letter requiring an operator to submit a revised closure plan.
- Conditionally approved a work plan for the closure of eight large ponds in the Coalinga Oil Field.
- Denied a work plan that proposed the closure of a pond and reuse of petroleum impacted soil at a facility. Staff found the work plan to be incomplete and identified items that need to be included in a new work plan that will need to be submitted for review and approval.

During September and October 2021, Staff also completed four inspections related to oil field facilities. 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

Central Valley Water Board staff (Staff) responds to oil field spills and upsets reported to the Office of Emergency Services (OES). Central Valley Water Board staff were notified of thirteen events in September and October.

A spill of oil field produced wastewater occurred on the Southwestern facility operated by Berry Petroleum Company (BRY), in the Midway Sunset Oil Field on 6 September. According to OES, a leaking pipe caused the discharge of approximately 20 bbls (840 gals) of oil field produced wastewater to land. On 6 September, BRY staff told Staff that the discharge affected improved areas within the oil field and no ephemeral streambeds or natural drainage courses have been affected. BRY staff added that cleanup of the affected areas was being conducted by a third-party environmental company. BRY staff told Staff that the total discharged amount was 75 bbls (3,150 gals). On 30 September, BRY staff told Staff that cleanup of the affected areas was complete.

A spill of oil field produced wastewater occurred on the Berry and Ewing Lease operated by BRY, in the Midway Sunset Oil Field on 10 September. According to OES, a power outage caused a valve to fail open causing the discharge of approximately 70 bbls (2,940 gals) of oil field produced wastewater into a secondary containment. On 30 September, BRY staff told Staff that the discharge affected the secondary containment

of the source tank and no ephemeral streambeds or natural drainage courses have been affected. BRY staff added that all the free-standing fluids have been recovered and cleanup of the secondary containment was complete.

A spill of crude oil and oil field produced wastewater was reported on the Black Satin Lease operated by Little Creek Properties, Inc. (Little Creek), in the Poso Creek Oil Field on 10 September. According to OES, approximately 3 bbls (126 gals) of crude oil and an unknown amount of oil field produced wastewater were discharged into a dry ephemeral stream bed. The OES report also stated that cleanup of the affected areas was being coordinated and investigation by the Department of Fish and Wildlife – Office of Spill Prevention and Response (CDFW-OSPR) was underway. Staff of CDFW-OSPR told Staff that they observed oil on the fluid surface of the disposal ponds and recovered deceased wildlife from the ponds. Staff and CDFW-OSPR staff inspected the incident site jointly on 15 September and observed the affected areas.

A spill of oil field produced wastewater occurred on a facility operated by California Resources Corporation (CRC), in the South Coles Levee Oil Field on 15 September. According to OES, a pipe leak caused the discharge of approximately 0.5 bbls (21 gals) of oil field produced wastewater to land near an area operated by the Department of Water Resources (DWR). On 15 September, CRC staff told Staff that no ephemeral stream beds or natural drainage courses have been affected by the spill. CRC staff added that the discharged fluids affected a paved road and did not enter the area operated by DWR. CRC staff told Staff that cleanup of the affected areas was complete and staff of CDFW-OSPR signed-off on the site cleanup.

A spill of crude oil and oil field produced wastewater occurred on the Judkins Lease operated by Standard Oil Company, LLC (Standard Oil), in the Kern Front Oil Field on 21 September. According to OES, a malfunction in an injection pump caused a wastewater disposal tank to overflow resulting in the discharge of approximately 50 bbls (2,100 gals) of oil and produced wastewater to land. On 21 September, Standard Oil staff told Staff that the spill affected a secondary containment area but no ephemeral stream beds. Standard Oil staff added that cleanup of the affected areas was in progress and that staff of CDFW-OSPR and the Division of Geologic Energy Management (CalGEM) inspected the spill site. Staff inspected the spill site on 7 October and observed that the discharged fluids flowed from a wastewater tank overflow pipe into an unlined pond. The affected pond contained oil affected soil and what appeared to be asphalt. Standard Oil staff told Staff that wastewater produced on the facility is deposited into a permitted underground injection well and the observed pond is inactive. Staff told Standard Oil staff that, if Standard Oil does not intend to use the pond, the pond needs to be properly closed and the overflow pipe leading to it needs to be removed to prevent future similar discharges.

A spill of crude oil and oil field produced wastewater occurred on the Section 30J facility operated by CRC, in the Kettleman North Dome Oil Field on 26 September. According to OES, a leak from a well caused the discharge of approximately 10 bbls (42 gals) of oil and 130 bbls (5,460 gals) of oil field produced wastewater to land affecting a dry ephemeral stream bed. On 27 September, CRC staff told Staff that the discharge

originated from a leaking flow line affecting approximately 300 feet of land and 350 feet section of a dry stream bed. CRC staff added that cleanup of the affected areas was in progress and that staff of CDFW-OSPR inspected the spill site. Staff of CDFW-OSPR conducted a post-cleanup inspection of the affected areas and signed-off on the site cleanup on 30 September.

A spill of crude oil and oil field produced wastewater occurred on the YMK Lease operated by Chevron USA, Inc. (Chevron), in the Kern River Oil Field on 28 September. According to OES, a flow line leak caused the discharge of approximately 0.2 bbls (8.4 gals) of oil and 7 bbls (294 gals) of produced wastewater to land and a dry ephemeral stream bed. On 28 August, Chevron staff told Staff that cleanup of the affected areas was in progress and that staff of CDFW-OSPR inspected the spill site. Board staff and staff of the CDFW-OSPR inspected the affected areas on 7 October to observe the post-cleanup conditions and CDFW-OSPR staff signed-off on the site cleanup.

A spill of crude oil and oil field produced wastewater occurred on the Section 28 facility operated by BRY, in the McKittrick Oil Field on 29 September. According to OES, a flow line leak caused by a mechanical failure at a production well resulted in the discharge of approximately 4 bbls (168 gals) of crude oil into land and a dry ephemeral stream bed. On 29 September, BRY staff told Staff that cleanup of the affected areas was in progress by a third-party environmental company. On 6 October, BRY staff told Board staff that cleanup of the affected areas was complete and provided post-cleanup photographs of the affected areas. Staff of CDFW-OSPR conducted a post cleanup inspection of the affected areas and signed-off on the site cleanup on 5 October.

A spill of oil field produced wastewater occurred on the Hill Property facility operated by BRY, in the McKittrick Oil Field on 1 October. According to OES, two wastewater tanks overflowed due to an unknown reason causing the discharge of approximately 195 bbls (8,190 gals) of produced wastewater to land. On 1 October, BRY staff told Central Valley Water Board that the discharge resulted from a pipe failure on the tank system. BRY staff added that all the discharged fluids were contained within the secondary containment surrounding the source tanks and no dry stream beds have been affected. BRY staff also said that all free-standing fluids were recovered, and cleanup was complete.

A spill of crude oil occurred on the Ethel D facility operated by BRY, in the Midway Sunset Oil Field on 4 October. According to OES, a corroded pipeline caused the discharge of approximately 50 bbls (2,100 gals) of oil to land. On 4 October, BRY staff told Staff that the discharge originated from an underground pipe and excavation work was in progress to isolate the discharge. BRY staff added that the discharged oil affected a disturbed production area and no dry stream beds have been affected. BRY staff told Staff that cleanup of the affected areas was complete and provided photographs of the affected areas.

A spill of crude oil and oil field produced wastewater occurred on the KCLE Lease operated by San Joaquin Facilities Management (SJFM), in the Fruitvale Oil Field on 14 October. According to OES, an underground group line failed causing the discharge of

approximately 2 bbls (84 gals) of oil and 10 bbls (420 gals) of oil field produced wastewater to land in a developed industrial area. The OES report also mentioned that the discharged fluids entered a storm drain and accumulated in a storm basin. On 14 October, SJFM consultant staff told Staff that the discharge has stopped, and no dry stream beds or natural drainage courses have been affected. SJFM consultant staff added that cleanup of the affected areas was in progress by a third-party environmental company. Board staff will continue to follow-up regarding the cleanup status of the affected areas with SJFM and their consultant.

A spill of crude oil and oil field produced wastewater occurred on the O and B facility operated by BRY, in the Midway Sunset Oil Field on 28 October. According to OES, a corroded underground pipeline caused the discharge of approximately 85 bbls (3,570 gals) of oil and 385 bbls (16,170 gals) of oil field produced wastewater to land. On 28 October, BRY staff told Staff that the discharged fluids affected disturbed production areas and no dry stream beds, or natural drainage courses have been affected. BRY staff added that staff of the CDFW-OSPR inspected the spill site and determined that no follow-up inspections were necessary. BRY staff provided Staff with post-cleanup photographs of the affected areas and stated that cleanup was completed on 29 October.

A spill of crude oil occurred on the North Antelope facility operated by CRC, in the Lost Hills Oil Field on 28 October. According to OES, due to an unknown cause, approximately 73 bbls (3,066 gals) of oil were found in the secondary containment of a tank. On 28 October, CRC staff told Staff that the discharged oil accumulated within a cinder-block wall containment at a tank farm and no ephemeral stream beds or natural drainage courses have been affected. CRC staff added that cleanup of the containment area and recovery of the free-standing oil was in progress and the cause of discharge is still under investigation.

Staff will pursue enforcement on the above spills where appropriate.

UIC PROGRAM

During the period from 14 September 2021 to 2 November 2021, staff of the Underground Injection Control Unit (UIC) performed the following activities:

AQUIFER EXEMPTIONS

Midway-Sunset Tulare Aquifer Exemption – Staff continues to provide comments to the State Water Board regarding the proposed aquifer exemption application.

Kern River Aquifer Exemption – Staff and State Water Board staff met with the California Geologic Energy Management Division (CalGEM) to discuss the proposed changes to the aquifer exemption boundary for the Chanac Formation. Staff continues to provide comments to the State Water Board regarding the proposed aquifer exemption application

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

Deer Creek Aquifer Exemption – CalGEM provided State Water Board staff and Staff a revised application. Staff and State Water Board staff reviewed the revised application and determined that the questions and concerns raised by staff were not addressed. State Water Board staff provided CalGEM with a summary of questions and concerns that still need to be addressed. Staff continues to provide comments to the State Water Board regarding the proposed aquifer exemption application.

Mt. Poso Dorsey Area Aquifer Exemption – CalGEM provided State Water Board staff and Staff a revised application and responses to initial questions. Staff is reviewing the revised application and additional information provided. Staff prepared an additional questions document regarding the additional information provided and provided it to State Water Board staff. In addition, Staff and State Water Board staff met with CalGEM and the Operators to discuss conducting a conduit analysis.

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 two hydrogeological characterization reports for the Lost Hills Oil Field, and a hydrogeological characterization report was provided for the South Belridge Oil Field. Staff is reviewing the information provided.

Staff issued one 13267 Order requiring an Operator to perform a hydrogeologic investigations in the Elk Hills Oil Field. Staff received a request from the Operator to extend the deadlines established in the 13267 Order. Staff issues a letter concurring with the request.

Staff received project information relating to an Operator's request to conduct a waterflood project located in the Elk Hills Oil Field. This waterflood project is being proposed as part of the Operator's transition plan to end its current water disposal activities in the upper portion of the Tulare Formation above the Amnicola Clay. In addition, Staff received a second project related to the Operator's request to conduct waterflood injection as part of its transition plan. Staff has reviewed the information provided and sent letters with its initial questions to CalGEM. CalGEM provided Staff with responses to Staff's initial questions. Staff sent letters and memorandums requesting additional information regarding the projects. Staff met with CalGEM and the Operator to discuss Staff's questions.

Staff issued four no objection letters and memorandums for UIC projects in the Kern River, Cymric, and Midway-Sunset Oil Fields.

Staff sent five letters and memorandums requesting additional information for UIC projects in the Edison, Fruitvale, Lost Hills, McKittrick, and Midway-Sunset Oil Fields.

Staff received responses to reviews performed for proposed water disposal and waterflood projects in the Antelope Hills, Cymric and Kern River Oil Fields. Staff are reviewing the information provided.

Staff received project information relating to requests to conduct steam injection and waterflood projects in the Cymric and South Belridge Oil Fields. Staff are reviewing the information provided.

SENATE BILL 4 (SB-4) PROGRAM

Since the last Executive Officer's Report Staff have not reviewed any WST Applications.

Staff reviewed groundwater monitoring reports for Area LLC's South Belridge Oil Field operations, and California Resources Corporation's operations in the Buena Vista Nose area. Central Valley Water Board staff conveyed draft comments to State Water Resources Control Board staff.

Staff are currently reviewing groundwater monitoring reports for: Aera LLC's Lost Hills Oil Field operations, California Resources Corporation's Kettleman Middle Dome Oil Field operations, California Resources Corporation's Rose Oil Field operations, Chevron USA Inc.'s Lost Hills Oil Field operations, and Seneca Resources' Lost Hills Oil Field operations. Staff are also reviewing submittals associated with the presence of groundwater mounds associated with Chevron USA Inc.'s operations in the Lost Hills Oil Field, and in the northern portion of Aera LLC's operations in the South Belridge Oil Field.

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 last meeting was held on July 14th and focused on the development of Groundwater Protection Values. The October stakeholder meeting was canceled because ILRP updates were provided during both the October 5th State Water Board meeting and the October 15th Central Valley Water Board Meeting.

More information on the stakeholder meetings can be found on the Central Valley Water Board [ILRP website](#).

(www.waterboards.ca.gov/centralvalley/water_issues/irrigated_lands/regulatory_information/stakeholder_advisory_workgroup/index.shtml).

ILRP COMPLIANCE, OUTREACH & ENFORCEMENT

DATA MANAGEMENT AND CROSS PROGRAM COORDINATION

ILRP staff continues to develop new ways to manage data and tracking for our program. We continue to work with State Water Board staff on a GIS-based platform to track our compliance activities. We are also continuing to work with the Confined Animal Unit to identify existing facilities to integrate this information into one GIS map. This map will help future outreach efforts to determine who still needs to be enrolled in the ILRP.

DRINKING WATER WELL MONITORING OUTREACH

Drinking water well monitoring continues for members in the East San Joaquin Water Quality Coalition (ESJWQC) and coalitions in the Tulare Lake Basin. ESJWQC members were required to monitor drinking water wells on enrolled parcels starting in 2019. Tulare Lake Coalition members were required to start sampling in 2020. In 2021 members of the San Joaquin & Delta, Grasslands and Westside San Joaquin River Coalitions started their monitoring. There are continued outreach efforts for drinking water well monitoring. Board staff recently sent over 13,500 “reminder to sample” post cards to members of East San Joaquin, San Joaquin & Delta, Western San Joaquin and the Tulare Lake Basin coalitions. Board staff is continuing to work with members by providing guidance and answering questions.

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 accordingly. Between 1 September and 31 October, 275 samples have been submitted to GeoTracker by 174 members/landowners from ESJWQC, San Joaquin & Delta and the Western San Joaquin River Coalitions. Approximately 15 percent of samples exceeding the drinking water standard. During the same time period, staff sent 51 emails/phone calls to members reminding them of the notification requirement. Out of 1123 drinking water well exceedances staff has received 1121 notification responses. Our outreach also indicate that many members of the Westside San Joaquin River Coalition are using bottled water. Staff continues to follow up with phone calls, emails, letters and notices of violation, as necessary, for inadequate notification action.

In the Tulare Lake Basin Area, Board staff is continuing to work with members through emails, phone calls, and letters to ensure users of impacted wells are properly notified. As of the end of October 2021, there were 1,480 wells with nitrogen exceedances in the Tulare Lake Basin, and staff have received 1,473 signed Drinking Water Notification Templates. From 1 September through 31 October staff have contacted 21 member/landowners reminding them of the notification requirement and will continue with progressive enforcement actions as needed to obtain notifications.

Region-wide, 8,928 samples submitted to GeoTracker; approximately 29% exceed the nitrate MCL (as of 31 October 2021).

REMINDER LETTERS FOR FAILURE TO SUBMIT NITROGEN MANAGEMENT PLAN SUMMARY REPORTS

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

Coalition Area	Reminder Letters sent Sept 1- Oct 31
Sacramento Valley	364
San Joaquin & Delta	509
Total	873

WATER CODE SECTION 13260 DROPPED-MEMBER DIRECTIVES

Staff also sent dropped-member directive letters during this period. These directives were sent to members dropped from the Coalitions' participant lists and may include members with unpaid dues. The directive requires the recipients to re-enroll with a third-party group within 15 days of receipt of the letter. Coalition areas not shown had no dropped-member directives mailed during the reporting period.

Coalition Area	13260 Directives sent Sept 1- Oct 30
Kings River Water Quality Coalition	96
Kaweah Basin Water Quality Association	61
Tule Basin Water Quality Coalition	61
Kern River Watershed Coalition Authority	22
Total	240

NOTICES OF VIOLATION FOR FAILURE TO SUBMIT NITROGEN MANAGEMENT PLAN SUMMARY REPORTS

Notices of Violation (NOVs) were sent to coalition members for their failure to submit 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.

Coalition Area	NOVs Mailed Sept 1- Oct 31
East San Joaquin Water Quality Coalition	97
Total	97

ENFORCEMENT FOLLOW-UP

ILRP staff continues to conduct significant compliance and outreach efforts associated with obtaining appropriate enrollment in the program and ensuring late annual reports are submitted to the Coalitions. There was an increase in late annual reports this year due to new member reporting requirements. In 2021 the new Farm Evaluation and Irrigation and Nitrogen Management Plan Summary Reports are required for all members. For late annual reports, reminder letters are issued followed by NOVs. After issuance of 13260 directive letters, Notices of Violation (NOV) are issued as needed. 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

Acronyms	Meaning
AMR	Annual Monitoring Report
GAR	Groundwater Assessment Report
GW	groundwater
MPIR	Management Practices Implementation Report
MPU	Monitoring Plan Update
NCP	Nitrate Control Plan
QAPP	Quality Assurance Project Plan
RPE	Rice Pesticides Evaluation
SW	surface water

CALIFORNIA RICE COMMISSION

Deliverables and activities:

Submittal Date	Item	Review Status	Notes
6/24/2021	Rice QAPP Update	Under review	
10/11/2021	RPE 2021 Update	Under review	Revision of 5-yearly update to address staff comments
10/28/2021	NCP Initial Assessment	Under review	CV-SALTS requirement

SACRAMENTO VALLEY WATER QUALITY COALITION

Deliverables and activities:

Submittal Date	Item	Review Status	Notes
8/1	MPU	Approved 9/17	
8/12	Revised GW MPIR Strategy	Approved 9/13	
9/13	GAR Update	Under review	

SAN JOAQUIN RIVER WATERSHED COALITION GROUPS

ILRP Acronyms

Acronyms	Meaning
SW	Surface water
AMR	Annual Monitoring Report
AMPINAR	Annual Management Practice Implementation and Nitrogen Application Report
GAR	Groundwater Assessment Report
MPU	Monitoring Plan Update
TMDL	Total Maximum Daily Load

EAST SAN JOAQUIN WATER QUALITY COALITION

Deliverables and activities:

Submittal Date	Item	Review Status	Notes
8/1/2021	MPU	Approved 09/13	Monitoring schedule for the 2022 Water Year
8/1/2021	Management Plan Completion	Approved 09/13	Request to remove three chlorpyrifos management plans
9/1/2021	AMPINAR	Complete Review sent 11/01	2020 Crop Year

SAN JOAQUIN COUNTY AND DELTA WATER QUALITY COALITION

Deliverables and activities:

Submittal Date	Item	Review Status	Notes
9/13/21	GAR Addendum, 5yr Update	Conditionally approved	Addresses staff comments from May 2021 meeting.
9/13/21	Monitoring Plan Update	Approved	Annual MPU presented for the 2022 Water Year
10/13/21	Chlorpyrifos and Diazinon Monitoring Reduction Request	Approved	Requests a monitoring/reporting reduction for banned chlorpyrifos
10/31/21	Chlorpyrifos and Diazinon Revised Monitoring Schedule	Approved	Revises TMDL monitoring schedule per 10/13/21 Monitoring Reduction Approval.

WESTSIDE SAN JOAQUIN RIVER WATERSHED COALITION

Deliverables and activities:

Submittal Date	Item	Review Status	Notes
8/24/2021	AMR	Under review	
10/26/2021	Quarterly meeting	N/A	
10/28/2021	SW Management Plan amendment	Under review	

GRASSLAND DRAINAGE AREA COALITION

Deliverables and activities:

Submittal Date	Item	Review Status	Notes
Not applicable			No updates

TULARE LAKE BASIN COALITION GROUPS

ILRP Acronyms

Acronyms	Meaning
AMR	Annual Monitoring Report
SQMP ASR	Surface Water Quality Management Plan Annual Status Report
SWMP	Surface Water Monitoring Plan

KERN RIVER WATERSHED COALITION AUTHORITY

Deliverables and activities:

Submittal Date	Item	Review Status	Notes
09/30/2021	Annual Monitoring Report	Review sent 11/03/2021	Satisfied General Order requirements
10/04/2021	Chanac Creek SQMP ASR	Review sent 11/02/2021	Satisfied General Order requirements

KINGS RIVER WATER QUALITY COALITION

Deliverables and activities:

Submittal Date	Item	Review Status	Notes
08/31/2021	SWMP	Review sent 11/03/2021	SWMP Approved

WESTLANDS WATER QUALITY COALITION

Deliverables and activities:

Submittal Date	Item	Review Status	Notes
08/01/2021	SWMP Update WY 2022	Review sent 09/15/2021	Satisfied General Order requirements

OTHER PROJECTS

GROUNDWATER PROTECTION FORMULA AND VALUES

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 submittal containing proposed Groundwater Protection Targets is due by 19 July 2022.

CV-SALTS IMPLEMENTATION

On 2 November 2021, Central Valley Water Board staff (Zaira G. Lopez-Narvaez and Eric Warren) attended the Tule Basin Management Zone Advisory Committee Meeting. The meeting provided an update on implementation of the Management Zone's Early Action Plan and a progress update on community outreach efforts.

On 21 October 2021, Central Valley Water Board staff (Jennie Fuller, Eric Warren, and Zaria Lopez) attended a CV-SALTS Executive Committee Meeting where topics included a status update on the Management Zones' well testing and replacement water actions, SAFER funding of co-contaminant testing, and outreach activities in the following Management Zones: Chowchilla Management Zone, Kaweah Water Foundation, Kings Water Alliance, and Valley Water Collaborative.

On 27 October 2021, Central Valley Water Board staff (Jennie Fuller) attended the Valley Water Collaborative (Modesto-Turlock Management Zone) Community Outreach and Stakeholder Meeting. Topics included updates on the Management Zone Implementation Plan (MZIP) development, residential well testing and replacement water delivery, community outreach efforts, and the SAFER (Safe and Affordable Funding for Equity and Resilience program) grant status.

On 4 November 2021, Central Valley Water Board staff (Jennie Fuller) attended an MZIP Development Approach Discussion regarding the Valley Water Collaborative MZIP proposed approach. Member from other Management Zones attended as well.

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 has observed that there are several EDD data sets that have not been fully uploaded to CEDEN. Staff is preparing a list to provide to OIMA to reconcile those missing records.

The backlog for Kaweah Basin Water Quality Association is complete for the Chemistry and Field data sets.

The backlog for Kern River Watershed Coalition Authority is up to date for Chemistry and Field data sets.

GRASSLAND BYPASS PROJECT

Deliverables and activities:

Submittal Date	Item	Review Status	Notes
07/28/2021	13267 Technical and Monitoring Report	Staff Review complete 11/5/21	Awaiting revision

NORMAN'S NURSERY

Deliverables and activities:

Submittal Date	Item	Review Status	Notes
11/3/2021	Revised Management Plan Progress Report (nitrogen)	Staff Review complete 11/8/21	

RICE PESTICIDES PROGRAM

Deliverables and activities:

Submittal Date	Item	Review Status	Notes
Not applicable			No updates

NON-POINT SOURCE (NPS)

CLEAR LAKE NUTRIENT CONTROL PROGRAM UPDATE

Board staff is working with TMDL identified responsible parties to obtain information regarding compliance with phosphorus load allocations. Responsible parties include: Lake County, Lake County MS4 Permittees, US Forest Service, US Bureau of Land Management, and Lake County Farm Bureau. Board staff has sent enforcement orders to each responsible party to obtain this information. To date, all responsible parties have submitted deliverables, which are being reviewed to determine compliance with specified load allocations. The information submitted by the responsible parties was summarized in an updated Technical Memorandum released on 22 September 2021, which is available on the Clear Lake Nutrient TMDL website.

The Board has initiated 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 Environmental Driver's study, the UC Davis study, Tribal monitoring data, and other stakeholder efforts. Current information regarding the status of the TMDL revision can be found under the TMDL Basin Planning section of the EO Report.

The Blue-Ribbon Committee for the Rehabilitation of Clear Lake will next meet remotely on 02 December 2021. Meeting details are publicly noticed by the California Natural Resources Agency. More information regarding the Committee can be found on the Natural Resources Agency's Blue Ribbon Committee website.

<www.resources.ca.gov/clear-lake>

More information about the Clear Lake Nutrient Control Program can be found on the Clear Lake Nutrient TMDL webpage.

<www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/clear_lake_nutrients/index.shtml>

CANNABIS

CANNABIS GENERAL ORDER ENROLLMENT AND DEVELOPMENTS

Staff are currently focusing on increasing enrollments and enforcing upon the most egregious sites in the Targeted Priority Watersheds in Nevada County through 2021. Staff have developed a new enforcement tracker and are revising the permitting and compliance trackers with the assistance of the AGPA. Staff continue to enroll dischargers into our General Order. Division of Water Quality (DWQ) has taken over responsibilities for issuing Notices of Applicability (NOAs).

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.)

Total Enrollments by County								
County	Tier 1H	Tier 1L	Tier 1M	Tier 2H	Tier 2L	Tier 2M	CE	Total Active Enrollments
Calaveras		29	3		54	6	6	98
Colusa		1			2		3	6
Contra Costa					1		2	3
El Dorado		3			3			6
Fresno					6		4	10
Kern							2	2
Kings					2		1	3
Lake		139	3	7	269	3	55	476
Merced							7	7
Nevada	2	291	4		23		27	347
Sacramento							160	160
San Joaquin					1		3	4
Shasta							14	14
Sierra		2						2
Siskiyou							5	5
Solano							4	4
Stanislaus		7			3		19	29
Tulare							6	6
Yolo		18			46		2	66

Total Enrollments by County								
County	Tier 1H	Tier 1L	Tier 1M	Tier 2H	Tier 2L	Tier 2M	CE	Total Active Enrollments
Yuba							2	2
Totals	2	490	10	7	410	9	322	1250

CANNABIS OUTREACH

Staff have conducted three virtual outreach events since the last Board Meeting. Two of these outreach events were in Nevada County and one was covered winterization requirements and included all permissive counties in the Central Valley.

On 3 November 2021, Sue McConnell provided a presentation on ILRP pesticide management during the Western Plant Health Regulatory Conference.

COMPLIANCE AND ENFORCEMENT - ENROLLMENT ENFORCEMENT

The first enrollment enforcement effort for 2021 was focused on a cluster of 12 sites in the Squirrel Creek Watershed in Nevada County. Staff issued four Notices of Violation (NOVs) in October 2021 and will continue to follow up with progressive enforcement. If dischargers do not resolve the 13260 violation, they will be referred to law enforcement and added to the Nevada County Priority Site List for potential warrant inspections.

13260-Order Project Analysis		
Status	Total	Next Steps
Enrolled	2	
No longer cultivating	6	Verified through aerial imagery
No response	4	NOVs issued 10/23/2021

COMPLIANCE

Staff work closely with dischargers to answer site specific questions related to the General Order to encourage compliance. There were no compliance inspections performed during October and November.

ENFORCEMENT

Staff are performing follow up enforcement activities on the remaining cases that were brought forward after the backlog reduction task. Staff are in the process of preparing enforcement documents and following up on inspections that took place during 2021.

INSPECTION REPORTS ISSUED IN NEVADA COUNTY:

- Southwick Construction, Nevada County, delivered 10/22/2021
- Linam Property, Nevada County, delivered 10/22/2021

INSPECTION REPORTS ISSUED IN SHASTA COUNTY:

- White Property, Shasta County, delivered 10/15/2021
- Glanzer Property, Shasta County, delivered 10/28/2021

13267S ISSUED IN SHASTA COUNTY:

- NOV Letter, Glanzer Property, Shasta County, delivered 10/28/2021

13267S ISSUED IN NEVADA COUNTY:

- NOV Letter, Chandler Property, Nevada County, delivered 11/08/2021
- NOV Letter, Vitello Property, Nevada County, delivered 11/08/2021
- 2 NOV Letters in draft for Nevada County sites: Southwick Construction and Linam 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).

State Water Board and the Regions are in the process of developing the 2022 Grant Solicitation Guidelines, which will be released in Fall 2021. Once released, a copy of the Grant Program Solicitation Notice and the Grant Program Guidelines can be found on the [State Water Board's NPS Control Program webpage](#).

(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)

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)

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)

TIMBER REGULATION AND FOREST RESTORATION FUND ON-GOING GRANTS

BATTLE CREEK WATERSHED ROAD SEDIMENT REDUCTION PROGRAM PHASE 1 & 2 (\$406,350)

The Western Shasta Resource Conservation District (WSRCD) has completed a 23-mile road assessment inventory in the North Fork Battle Creek watershed. As a result, the grantee compiled a Final Action Plan describing 90 site-specific, road-related sediment inputs from the prioritized road assessment inventory. A technical advisory committee (TAC) and subsequent field workshop were conducted in July 2020, resulting in selection of demonstration sites. The grantee and Shasta County Public Works participated in on-site training that resulted in completion of two demonstration sites along Rock Creek Road and Forward Mills Road during Summer 2020. From October 2020 to May 2021, the grantee developed a construction bid package, advertised a request for competitive bid proposals, obtained public agency permits (California Department of Fish and Wildlife and Central Valley Regional Water Quality Control Board), and secured an encroachment permit from Shasta County to allow implementation of additional demonstration sites along Rock Creek Road. Time delays experienced during the competitive bid proposal and permitting processes, due to COVID-19 pandemic restrictions, prompted the grantee to request a time extension to 28 February 2022. The additional demonstration sites were completed in July 2021. As of September 2021, the time extension request is pending approval. (Closing 10/31/2021)

DEER CREEK NORTH YUBA RIVER WATERSHED ASSESSMENT AND SEDIMENT REDUCTION PLAN (\$255,100)

The purpose of this project is to implement erosion control treatments to reduce sediment delivery to streams from Forest Service system roads, unauthorized roads, legacy skid trails, and landings within the North Yuba River Watershed. American Rivers Inc. have inventoried approximately 67 miles of roads, skid trails, and landings within the project area and have prepared an Action Plan to implement at least 15 miles of erosion control treatments. The grantee completed implementation work for the Deer Creek North Yuba River Watershed Sediment Reduction Project on 16 September 2020. Work has progressed without any major delays or deviations. With construction work completed, the grantee has continued to focus on post-project monitoring and project management. American Rivers has completed all post-project monitoring. Post project monitoring data and a report is being prepared for submittal. (Closing 2/28/2022)

AMERICAN RIVER HEADWATERS RESTORATION (\$757,000)

The American River Conservancy (ARC) has thinned approximately 243 acres of merchantable timber under a CALFIRE Fire Prevention Pilot Project Exemption in the Greyhorse valley. Thinning operations have met and exceeded grant requirements and currently the grantee is looking at upgrading the road network throughout the project area. Due to high wildfire danger during the summer of 2020, the grantee failed to reach a 400-acre thinning goal. The grantee hopes that this goal can be surpassed in the 2021 season if weather conditions permit. At this time, the grantee has bid approximately 600 acres for completion during the 2021 season. ARC has secured permits for road work and a bridge removal in Greyhorse valley and thinning. Contractors mobilized equipment and began mastication work on 1 June 2021. 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 ARC will likely be seeking a time extension work completion requirements. ARC will continue to work to mitigate these issues to complete the project within a reasonable timeframe. (Closing 3/30/2022)

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 is currently working with contractors, CA Department of Fish and Wildlife (CDFW), and the Regional Water Board on the preparation of environmental permit applications which was slightly delayed while addressing a public concern. The grantee has completed final design specifications as well as started road and trail inventories for the second phase of the project. A draft Mitigated Negative Declaration (MND) was prepared and was publicly noticed on 1 October 2021 and closes for comments on 2 November 2021 (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. (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 September 2021 George Low an Engineering Geologist with the Central Valley Water Board’s Redding office participated in a Clear Creek Technical Team (CCTT) virtual meeting. The CCTT team is generally comprised of representatives from various Federal and State agencies, and regional resource conservation districts. The purpose of the CCTT is to facilitate the implementation of the Central Valley Project Improvement Act (CVPIA) and CALFED Bay-Delta Program (CALFED) restoration actions to improve salmon and steelhead habitat and the ecosystem on which these species depend on within Clear Creek. During this month’s meeting participants discussed a variety of restoration, planning, in stream flow management activities, and funding opportunities. The agencies involved provided updates to current projects being implemented in Clear Creek, such as vegetation management and gravel augmentation projects, as well as future restoration actions.

*On 23 September, Omar Mostafa participated (via conference call) in the Tulare IVAN Reporting Network task force meeting to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members.

*On 4 November, Omar Mostafa participated (via conference call) in the Tulare IVAN Reporting Network task force meeting to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members.

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 in July 2018.

On 27 October 2021, the Delta Regional Monitoring Program (Delta RMP) conducted a joint Steering Committee and Technical Advisory Committee meeting to discuss updates to monitoring programs including CECs. Two monitoring events for Year 2 have been completed due to the recent storms in October 2021. In addition to monitoring event updates, long-term planning was discussed across all monitoring programs. Long term planning may affect which years monitoring is conducted for each monitoring program depending on whether a continuous, staggered, or other monitoring plan is pursued. A planning period of six months to one year for Year 3 monitoring was proposed to analyze data from Year 1 and 2. Central Valley Water Board staff supported the proposal for the six-month planning period to review data prior to Year 3 monitoring. Central Valley Water Board staff are also continuing to work with the Delta RMP to make Year 1 data available in the California Environmental Data Exchange Network.

EMERGENCY RESPONSE ACTIVITIES

The Central Valley Water Board routinely receives and responds to the Governor's Office of Emergency Services (OES) Hazardous Material Spill Reports (Spill Reports). The Redding office has tasked four staff in our office in receiving and if necessary, responding to these OES spill reports. Table 1 provides a summary of spill reports received by the Central Valley Water Board's Redding office between XX Month and XX Month, Year.

On 4 November 2021, George Low, an Engineering Geologist, and Jerred Ferguson, an Environmental Scientist 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 membership recruitment for open member positions on the committee. The meeting also included discussions of upcoming regional trainings, and a presentation from Jackie Long, Network Environmental Systems: Discussion of Illicit Cannabis Operations Hazards. Participating agencies also provided agency reports on incidents/activities that have occurred that they were involved with that are of interest to LEPC members.

PERSONNEL AND ADMINISTRATION

STAFFING UPDATES – 1 SEPTEMBER 2021 – 31 OCTOBER 2021

PROMOTIONS

None

NEW HIRES:

Stephen Huie - ES

Shawn Agarwal - ES

Joshua Smith - EG

Jordan Ramsey-Lewis - WRCE

Teresa Trinh - WRCE

RETIREMENTS:

None

SEPARATIONS:

Balraj Tammali - WRCE

Elizabeth Betancourt - SR ES (SPEC)

Danny McClure - SR WRCE

Amy Phiri - WRCE

LEAVE OF ABSENCE:

None

SUMMARY OF POSITIONS:

Total Authorized Positions: 276.2

Total Vacant Positions: 26.2

Sacramento

Authorized Positions: 153.5

Vacancies: 15.2

Fresno

Authorized Positions: 73

Vacancies: 6

Redding

Authorized Positions: 49.7

Vacancies: 5

Temporary Positions:**New Hires:**

Weijie Dong - Sci Aid

Randy Gudino - Sci Aid

Carson Blodow - Sci Aid

Nichole Lambinico - SAEAS

Separations:

None

TRAINING UPDATES - 1 SEPTEMBER 2021 – 31 OCTOBER 2021

Class Title	Number of Attendees
2021 CABW and Cal-SFS Meeting	1
2021 CASQA Virtual Conference	1
8 Hour HAZWOPER Refresher	37
Advanced Facilitation - Difficult Situations and Behaviors	21
AP206 - CalEPA Basic Inspector Academy: Virtual Class	1
Beginning Facilitation	14
Best Practices for Multilingual Writers & Readers COMM102	1
California Aquatic Bioassessment Workgroup (CABW) and the California Chapter of the Society of Freshwater Science	2
California Leadership Academy - Supervisor Development Program (80 Hours)	3
CALMS 2021	3
CASQA Annual Conference	4

Class Title	Number of Attendees
Conducting Effective Meetings	3
Conflict Management and Resolution Skills for the Workplace	9
Electronic Writing	2
Equal Employment Opportunity (EEO): Workplace Rights and Responsibilities	4
Field Safety Training	5
Going Places with Spatial Analysis	1
Groundwater Modeling	2
Hear This! Effective Listening at Work	2
Intermediate R for Water Resources Data Science: Increasing Your Efficiency with Reproductive Workflows	2
Interpersonal Communication Skills	3
Introduction to Emotional Intelligence	7
Introduction to Facilitation and Public Engagement: Being with Intensity and Difficult Situations	7
Leadership for the Government Supervisor Certificate Program	1
Learning Express Library and Job & Career Accelerator Overview	1
Microsoft Excel Level 1	1
Microsoft Excel Level 2	1
Microsoft SharePoint Training	1
Microsoft Word Level 2	3
Microsoft Word Level 3	1
National Association of Abandoned Mine Lands Programs (NAAML) 42nd Annual Conference.	3
Oral Presentation of Technical Information	2
Petroleum Hydrocarbon Remediation Principles and Technologies for Soil, Vapor, and Groundwater	8
Sexual Harassment Prevention and other EEO Issues	14
Stakeholder Engagement	2
The Transformational Power of Questions	2
Time Management	3
Water Boards 101: Training Services	3
Working and Thriving in Complex Organizations	2

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
21-060-150	Microbiology International	Rancho Cordova Autoclave Service and Repair	10/13/2021	6/30/2022	\$9,275

Water Quality Study/Planning

Contract Number	Contractor Name	Description	Start Date	End Date	Amount
19-003-150-1	Southern California Coastal Water Research Project Authority	The project will identify the environmental drivers contributing to cyanobacterial blooms and toxin production in Clear Lake, Lake County.	9/27/2019	03/31/2022	\$510,000
19-004-150	34 North	Web-based, interactive presentation/display of landscape level forest health and water quality assessment/planning for protection of the Battle Creek watershed.	11/21/2019	3/31/2022	\$95,000
19-033-150	California Department of Water Resources	Support for Sacramento Water Coordinated Monitoring.	12/24/2019	6/30/2022	\$525,000

Contract Number	Contractor Name	Description	Start Date	End Date	Amount
20-005-150	United States Geological Survey	Development of a three-dimensional model of hydrodynamic mixing within Keswick Reservoir.	12/1/20	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	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.	TBD	3/31/2024	\$100,000
22-003-150	University of Davis	Tribal Beneficial Uses	TBD	1/31/2025	\$170,000

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.

FEBRUARY 2022 BOARD MEETING

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISCHARGE TO LAND

- Bronco Winery (Revised)
- City of Modesto WQCF (Revised)
- Pilot Travel Center (Revised)
- Ingelby Pistachio (New)

NPDES PERMITTING

- Limited Threat General Order Renewal City of Lathrop WWTP (New Permit)
- City of Chico WPCP Renewal
- Sliger Mine Renewal
- Sterling Caviar Renewal
- City of Willows WWTP Rescission
- Sequoia/Kings Canyon National Parks Rotenone Application (New Permit)
- City of Grass Valley WWTP Rescission

APRIL 2022 BOARD MEETING

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISCHARGE TO LAND

- Morning Star Packing Company (Revised)
- Farmersville WWTF (Revised)
- Vita-Pakt (Revised)

NPDES PERMITTING

- City of Colusa WWTP Renewal
- City of Auburn WWTP Renewal
- City of Corning WWTP Renewal
- River Highlands CSD Hammonton Gold Village WWTP Renewal
- City of Nevada City WWTP Renewal
- Sierra Pacific Industries Shasta Lake Division Renewal
- Tehama CSD #1 Mineral WWTP Renewal
- North Valley Regional Recycled Water Program Renewal
- City of Modesto WQCF Rescission

JUNE 2022 BOARD MEETING

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISCHARGE TO LAND

- Azteca Milling (Revised)
- Sac Regional San – Echo (Revised)

NPDES PERMITTING

- Bear Valley Water District WWTF Renewal
- City of Angels WWTP Renewal
- American Valley WWTP Renewal
- City of Redding Clear Creek WWTP Renewal

PENDING ACTIONS BUT NOT YET SCHEDULED FOR A BOARD MEETING

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISCHARGE TO LAND

- General Order for Large WWTF (New)
- General Order for Nut Hullers & Processors (New)
- General Order for Food Processors (New)
- California Olive Ranch – Artios (Revised)
- CDCR Mule Creek State Prison WWTF (Revised)
- City of Ceres WWTF (Revised)
- City of Dinuba WWTF (Revised)
- City of Madera WWTF (Revised)
- Kern Sanitation District WWTF (Revised)
- Kettleman City WWTF (Revised)
- Sierra Nevada Cheese (Revised)
- Sonora Regional WWTF (Revised)
- Sun Pacific Exeter Packinghouse (Revised)

NPDES PERMITTING

- Mountain House CSD WWTP Amendment
- Bear Valley CSD WWTF Renewal
- Boeing GWETS Renewal
- City of Tracy Renewal
- RMK Mine Renewal

ATTACHMENT A

ATTACHMENT A – SANITARY SEWER OVERFLOW SUMMARY (H2)

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).

Region	Collection System	SSO Event ID	County	Spill Volume	Volume Reached Surface Waters (Gallons)	Spill Date	Cause of Spill
5R	Redding City CS	876267	Shasta	2,850	2,850	9/4/2021	Other (specify below)
5S	Sacramento Area Sewer District CS	876473	Sacramento	1,332	1,115	9/10/2021	Root Intrusion
5S	Sacramento Area Sewer District CS	876524	Sacramento	833	779	9/17/2021	Root Intrusion
5S	Sacramento Area Sewer District CS	876632	Sacramento	445	346	9/23/2021	Root Intrusion
5S	Sacramento Area Sewer District CS	876980	Sacramento	234	174	10/14/2021	Root Intrusion
5S	Hangtown Creek CS	876240	El Dorado	65	65	9/4/2021	Grease Deposition (FOG)
5S	Sacramento Area Sewer District CS	876523	Sacramento	191	23	9/20/2021	Root Intrusion
5F	Taft City CS	876303	Kern	460	10	9/9/2021	Grease Deposition (FOG)
5R	Redding City CS	876267	Shasta	2,850	2,850	9/4/2021	Other (specify below)
5S	Sacramento Area Sewer District CS	876473	Sacramento	1,332	1,115	9/10/2021	Root Intrusion

ATTACHMENT A

5S	Sacramento Area Sewer District CS	876524	Sacramento	833	779	9/17/2021	Root Intrusion
5S	Sacramento Area Sewer District CS	876632	Sacramento	445	346	9/23/2021	Root Intrusion
5S	Sacramento Area Sewer District CS	876980	Sacramento	234	174	10/14/2021	Root Intrusion
5S	Hangtown Creek CS	876240	El Dorado	65	65	9/4/2021	Grease Deposition (FOG)
5S	Sacramento Area Sewer District CS	876523	Sacramento	191	23	9/20/2021	Root Intrusion
5F	Taft City CS	876303	Kern	460	10	9/9/2021	Grease Deposition (FOG)

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