

**EXECUTIVE OFFICER'S REPORT**

**10 DECEMBER 2020**

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

**Patrick Pulupa, Executive Officer**



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## **SUCCESS STORIES**

1717 S Street Investors and Capital Area Development Authority (CADA) is moving forward with redevelopment of the 1700 block on S Street in Sacramento, which is currently an empty lot and the former location of the Alta Plating company. Site Cleanup Program staff are helping this brownfield be turned into productive property while protecting the environment and public. It will be a 4-story mixed use building with commercial space on the first floor and low-income apartments above. Remediation during construction will include excavating contaminated soils on site to a depth of 12 feet in some areas and will be the final step of soil and groundwater remediation on site. The construction will include a vapor intrusion mitigation system to mitigate potential residual vapors from migrating into the building.

## **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**

#### **FORMER THREE STAR GAS, 1131 YOSEMITE BOULEVARD, MODESTO, STANISLAUS COUNTY**

The Site is currently a vacant lot, located on Yosemite Boulevard at the intersection of Santa Barbara Avenue in Modesto, Stanislaus County. In 1988, Stanislaus County Department of Environmental Resources observed that fuel from leaking underground pressurized conveyance line had impacted soil beneath the Site. In 1996, one 5,000-gallon gasoline UST, two 12,000-gallon gasoline USTs, and associated product lines were removed from the Site. Soil samples collected during the tank removal indicated that unauthorized release had impacted soil at the Site. From July to August 2005, ATC Associates, Inc. conducted two soil vapor extraction events, removing approximately 3,600 pounds of petroleum hydrocarbons from the Site. While petroleum hydrocarbons remain beneath the Site, groundwater sampling data show that the impact to

groundwater is defined and stable and that the Site meets the Low-Threat Closure Policy. The petroleum hydrocarbon release from the Site poses a low threat to local water supply wells and Dry Creek. Therefore, residual petroleum constituents are unlikely to pose a threat to human health or further impact waters of the state as they attenuate. Consequently, they do not justify the cost of any additional active remediation or monitoring, and Central Valley Water Board staff concurs with Site closure. This Site was closed on 18 September 2020.

## **JAMESTOWN ROAD YARD, 18165 7TH AVENUE, JAMESTOWN, TUOLUMNE COUNTY**

The Site is currently used by Tuolumne County to store equipment and vehicles located between Seventh and Eighth Streets and is bisected by Seventh Avenue in Jamestown, in Tuolumne County. The surrounding areas to the west, east, and south of the Site are primarily residential. The area immediately north of the Site is an elementary school. In 1962, a 550-gallon gasoline UST located at the Site was found to be leaking and was replaced with a 1,000-gallon gasoline UST. In November 1987, a groundwater sample collected from a monitoring well at the Site indicated that the release had also impacted groundwater at the Site. During later UST removals, impacted soil was excavated to a depth of approximately 15 feet below ground surface and removed from the Site. While petroleum hydrocarbons remain beneath the Site, groundwater sampling data show that the impact to groundwater is defined and stable, and that the Site meets the Low-Threat Closure Policy. The petroleum hydrocarbon release from the Site poses a low threat to local water supply wells and there are no nearby surface water bodies. Therefore, residual petroleum constituents are unlikely to pose a threat to human health or further impact waters of the state as they attenuate. Consequently, they do not justify the cost of any additional active remediation or monitoring, and Central Valley Water Board staff concurs with E2C's recommendation for Site closure. This Site was closed on 28 September 2020.

## **SITE CLEANUPS**

### **SACRAMENTO**

#### **AEROJET ROCKETDYNE AREA 40**

Aerojet Rocketdyne has completed the excavation of soils and installation of a 400-foot permeable reactive barrier at its Area 40 site on the east side of Prairie City Road in the City of Folsom. Site restoration work is nearly complete with the installation of stormwater runoff mitigation measures. These activities were conducted pursuant to requirements of a Remedial Action Plan. Remaining activities include air monitoring to determine the effects of soil excavation of volatile organic contaminants (VOCs) on outdoor air concentrations of VOCs. Initial air samples have shown a decrease in VOCs at all locations with concentrations remaining above unrestricted use levels in the area above the former solvent separation pits. That area is designated as open space in the future development of the property. The permeable reactive barrier is designed to remove VOCs and perchlorate in shallow groundwater as the groundwater flows

through it. Previously a 75-foot barrier was constructed as a pilot project and proved the efficacy of that remedial option. Area 40 is slated to primarily become a Regional Park for the City of Folsom South of US 50 development, along with open space and some commercial and apartments on clean portions of the site.

## **REDDING**

### **FLYERS ENERGY #4266 (FORMER VALERO #266), SITE CLEANUP PROGRAM CASE #SLT5R1108, SHASTA COUNTY**

In July of 2019, approximately 85 gallons of gasoline were released to the asphalt surface of the service station due to a failed dispenser nozzle. Although much of the gasoline was captured with absorbent at the time of the release, a cleanup case was opened because of concerns that the gasoline had entered the subsurface via cracks in the asphalt. A soil and groundwater investigation detected concentrations of gasoline-related constituents in soil and groundwater at levels that do not pose an on-going threat to human health and groundwater. Staff closed the case in October 2020.

[Contact: Kate Burger at (530) 223-2081]

### **BIO INDUSTRIES FORMER BIOREMEDIATION FACILITY, CASE NO. 5A520310001, TEHAMA COUNTY**

This former bioremediation facility accepted waste soils with petroleum, anti-freeze, fire-fighting foam, and engine-wear-derived metals contamination for treatment. Operations began in 1990 and ceased in June 2012; upon closure, soils within the treatment cells were moved to an inert soil cell. Three years of post-closure water quality monitoring were completed with no detectable contaminant concentrations. Investigation of the inert cell found that the soils do not pose a risk to human health and the environment. A deed restriction has been recorded, which limits development and future use of the site. The Central Valley Water Board rescinded Waste Discharge Requirements Order R5-2012-0061 on 16 October 2020. [Contact: Patrick DeCarvalho at (530) 224-4786]

## **STAFF RECOGNITION**

### **SUPERIOR ACCOMPLISHMENT AWARDS**

At the October 15, 2020 Board Meeting, Executive Officer Pulupa presented Superior Accomplishment Awards to the following staff:

#### **EMPLOYEE: COLT BROCKMAN**

**UNIT:** NP Source

**LOCATION:** Redding Office:

**TITLE:** Environmental Scientist

**SUPERVISOR:** Griffin Perea

Colt Brockman has been selected to receive this Superior Accomplishment Award for his contributions to the Central Valley Water Board. Colt is an Environmental Scientist in

the Nonpoint Source Unit in the Redding office and provides oversight for limber harvesting and fuels management activities across 6 national forests managed by the U.S. Forest Service. In addition, Colt serves as the Forest Activities Program's liaison for Timber Regulation and Forest Restoration Fund grants and is the subject matter expert for several grants.

Colt started with the Water Boards in April 2018, bringing with him a diverse background and professional experience including wildland firefighting, rangeland management activities, and service in the U.S. Army. Colt's experience and his professionalism immediately benefited the Forest Activities Program. Colt is dedicated and reliable and brings a solid technical aptitude and ability to communicate with the regulated community.

Colt continually demonstrates his ability to manage a large and diverse workload, quickly adapt and respond to changes, and remain professional in difficult situations. Recently Colt, as technical lead and liaison to State Board for several grants managed from the Redding office, has effectively facilitated communications between State Board personnel and grantees on several high priority grant projects to ensure project proposals could move forward. He focused on ensuring necessary documentation was submitted, and that last-minute changes and discrepancies could be accounted for. Colt has also followed through on a complex enforcement matter involving discharges from a rural road in Colusa county where he successfully worked with county personnel to ensure corrective actions were taken and will be assisting the county in monitoring to ensure the discharges have been remediated. Colt also serves as the Forest Activities Program's resident range management expert and has been instrumental in providing feedback to State Board staff on impacts and management of grazing in forested landscapes.

We are highlighting just a few examples of projects Colt has voluntarily taken on and excelled at, especially impressive given his already full core workload. He is hard working, dependable, and professional, with a positive attitude that is appreciated by all who have the opportunity to work with him. For this and much more, we are pleased to provide Colt this recognition.

**EMPLOYEE: STACY GOTHAM**

**UNIT:** Groundwater

**LOCATION:** Redding Office:

**TITLE:** Water Resource Control Engineer

**SUPERVISOR:** Kate Burger

The Central Valley Water Board's Redding office management team is pleased to select Stacy Gotham for the Superior Accomplishment Award. A 20-year veteran with the Central Valley Water Board, Stacy has been the lead staff for the office's Mines Program work since May 2017, managing 22 active and abandoned mine sites. She has been applying her extensive knowledge of the Water Board's programs in her oversight of these complex and challenging projects.

Stacy has been working with the Lyondell Environmental Custodial Trust to identify projects that could be implemented with the remaining settlement funds for the Bully Hill and Rising Star Mines. During September, this multi-year effort culminated with the Trust's submittal of a technical memorandum with its recommended projects. Her efforts involved multiple site inspections (each a six-hour drive roundtrip), consistent messaging and communications with the Trust, in-depth review of the mine site conditions and water quality, and briefings to managers and Board members. The technical memorandum provides a solid basis to support the Central Valley Water Board's decision about the projects to be funded.

Another project Stacy is working on involves a closed heap leach mine in Lassen County. Initially she applied her exceptional analytical skills to evaluate water quality data for the mine site. She recently drafted a 13267 technical reporting order to obtain reports needed to support revision of the waste discharge requirements. Stacy has also been working with representatives of Washington Mine in its efforts to recover from damage sustained during the Carr Fire. She recently initiated technical working sessions with mine representatives to identify sustainable approaches to managing and regulating discharges from the mine's audits. Another example of her superior work is her assessment of the status of an abandoned gold mine near Lake Oroville. Based on observations made during the initial inspection, she coordinated a second inspection that included the Department of Toxic Substances Control and Division of Safety of Dams. The second inspection was conducted under an administrative warrant issued by the Butte County Superior Court because the property owner was uncooperative. The inspection participants identified water quality issues, hazardous waste levels of metals, and the need for a geotechnical evaluation of the tailings dam stability.

Stacy's expertise and experience are very much valued by the management team. She is most deserving of recognition for her capable management of the mines work and her contributions to our office.

## **EMPLOYEE RECOGNITION AWARDS AUGUST 2020 THROUGH OCTOBER 2020**

### **EMPLOYEE: MICHAEL NILSEN**

**UNIT:** NPDES

**LOCATION:** Redding Office:

**TITLE:** Water Resource Control Engineer

**SUPERVISOR:** Jeremy Pagan

Michael Nilsen is a Water Resource Control Engineer working in the NPDES Unit of the Redding office of the Central Valley Water Board. Mike is receiving the Redding Office's Employee Recognition Award for October 2020 for his excellent work in bringing a longstanding enforcement case to a close.

The City of Mt. Shasta's sanitary sewer collection system suffered a significant pipe break in February 2017 which resulted in the release of over 2 million gallons of untreated sewage to Cold Creek, a tributary to Lake Siskiyou. Additional sewer

overflows also occurred that same winter in the City's downtown area. Effluent limitation violations at the City's wastewater treatment plant also occurred between February 2017 and April 2019. To address all these permit violations, Mike first issued an ACL complaint to the City in July of 2019, which resulted in the beginning of settlement negotiations with the City. Mike spent the next year making steady progress in meeting with the City, negotiating compliance projects and enhanced compliance actions to offset some of the City's liability, and arriving at a settlement package that both the prosecution team and the City agreed upon. Ultimately the City agreed to substantial liability of over one million dollars with some money going towards repair of their collection system, some to upgrades of their WWTP, and some to the State Water Board's water pollution cleanup and abatement account. The settlement agreement was issued on 7 October 2020.

Mike is being recognized for the tremendous amount of time and effort he put in to resolve this enforcement case. Settlement negotiations take a lot of preparation, communication, and persistence. The Redding Office management team would like to thank Mike for his dedication to his work and the Water Board's mission. The work completed by the City of Mt. Shasta because of this settlement will help to prevent future sewer overflows and maintain water quality near the pristine headwaters of the Sacramento River.

**EMPLOYEE: REBECCA HIPP**

**UNIT:** Compliance/Enforcement/Forest Activities

**LOCATION:** Fresno Office:

**TITLE:** Environmental Scientist

**SUPERVISOR:** Russell Walls

Rebecca is an environmental scientist in the Central Valley Water Board's Fresno Office, as part of the Compliance/Enforcement/Forest Activities Unit. Rebecca is receiving this award because during the month of October she completed two NOAs for the timber activities general order, two post-fire salvage project inspections, a letter to Southern California Edison regarding permit requirements for post-fire salvage activities, attended several meetings as part of the Fresno Office fire assessment team, and participated in multiple other meetings with staff and stakeholders.

Since joining the Unit in January 2020, Rebecca has become an asset to the group as the sole staff member working on Forest Activities. In addition to her excellent attitude and professional demeanor, Rebecca has shown an incredible work ethic in learning about the forest activities program and the SB901 utility corridor vegetation removal program. She is a quick learner and it is amazing how knowledgeable she has become on the two programs in the relatively short amount of time she has worked for the Central Valley Water Board. Her investigations and reviews are thorough and complete. Her draft documents require minimal editing and her technical knowledge is excellent.

**EMPLOYEE: CARLOS CERVANTEZ**

**UNIT:** Title 27

**LOCATION:** Fresno Office:



**TITLE:** Engineering Geologist  
**SUPERVISOR:** Scott Hatton

Carlos is an Engineering Geologist in the Fresno office and works in the Title 27 Unit. He has been working very hard and has been hands on and eager to learn about all the construction requirements for Title 27 facilities. He recently reviewed the closure design plans for a landfill. He is also finished reviewing the design and geologic reports for a different landfill and discovered a potential release from excessive data review and is reviewing their alternative demonstration report.

He is assisting with the review of a 2,000-page Construction Quality Assurance report, which includes the slope failure from last summer, all while learning the applicable regulations for his job.

He always has a great attitude, is easy to work with, and is eager to learn and help on other staff's projects. He has been a great help to the unit when it comes to "filling-in" for staff to conduct site inspections.

Carlos has also helped with some of his former position's industrial stormwater activities until that vacancy can be filled. Carlos is a team player and worthy of this award. Congratulations Carlos.

**EMPLOYEE: NOAH HENRY**  
**UNIT:** Stormwater/Cannabis  
**LOCATION:** Rancho Cordova Office  
**TITLE:** Scientific Aid  
**SUPERVISOR:** Brett Stevens

Noah has been working as a scientific aid in the Sacramento Stormwater Unit since February 2018. He is being recognized for his outstanding work performance in providing valued support to the Industrial Stormwater Program. Noah's substantial contributions include:

- Prioritizing his tasks to meet deadlines with minimal supervision;
- Conducting infield compliance checks of terminated permits;
- Researching and responding to Public Records Act requests;
- Providing courteous customer service in response to email and phone inquiries;
- Reviewing around 1,000 discharger reports per year for accuracy and completeness;
- Reviewing pollution exceedance response action reports and ranking them for staff's timely follow up and enforcement; and
- Managing spreadsheets and letter preparation for data-merged mail outs of Notices of Violation, including entering the enforcement action into the Industrial Stormwater Program's online database.

During Noah's time with the Board, he has continuously taken on more responsibilities. Stormwater staff especially appreciate and recognize Noah's ability to work more

independently during the COVID-related teleworking period. His work productivity, customer service, and attention to detail make Noah a valued member of the Stormwater Unit and the Water Board; and he has therefore earned the recognition provided by this award.

**EMPLOYEE: RICHARD RAMIREZ AND ERIC BAGGS**

**UNIT:** SWAMP

**LOCATION:** Rancho Cordova Office

**TITLE:** Scientific Aid

**SUPERVISOR:** Anne Walters

Eric Baggs and Richard Ramirez are highly valued members of the Planning Section and they are being recognized for their diligent efforts supporting the SWAMP program.

Richard and Eric started with the Central Valley Water Board a little less than a year ago. They both hit the ground running, quickly becoming experienced and knowledgeable SWAMP team members. This past summer, they logged many hours out in the field taking water samples, while seamlessly navigating the new world of COVID-19 safety procedures. They have consistently gone out every week to sample E.coli levels in the Lower American River and the Delta. Upon their return to the office, they quickly and efficiently process these water samples in our in-house laboratory to ensure that the E.coli results are available to the public via our online map portal within a day later. They also ensure that sample trays are properly decontaminated and disposed of by following the established autoclaving standard operating procedures.

In addition, Eric and Richard work diligently on a variety of data management tasks. They quickly pivoted earlier this year to working remotely, employing online tools and good communication to ensure that our agency's water quality data submittals to the statewide CEDEN database were not significantly delayed. They have also been helping the SWAMP program address their data processing backlog. This work is often tedious and time-consuming, but Richard and Eric take on each task with enthusiasm and a can-do spirit. Their great attention to detail and commitment to providing superior customer service have made them invaluable members of the SWAMP program. We are fortunate to have them working at the Central Valley Water Board and they are well deserving of this award.

**EMPLOYEE: ERIC WARREN**

**UNIT:** Irrigated Lands Regulatory Program

**LOCATION:** Fresno Office:

**TITLE:** Water Resource Control Engineer

**SUPERVISOR:** David Sholes, Senior Engineering Geologist

Eric is always professional interacting with consultants, coalition leads, UC researchers, and responsible parties for his projects. He has an excellent attitude and focus on the many programmatic and coalition level projects he is assigned. Eric has always been a productive and professional employee.

Eric completed a review of the Chanac Creek Surface Water Quality Monitoring Plan and participated in reviews of three Groundwater Sustainability Plans in coordination with DWR and SWRCB staff. Eric has also contributed significantly to the ILRPs review of Applied and Removed (Nitrogen) data submitted by all coalitions. These data will be used in several key models used to estimate agriculture's impact on water quality.

Eric is on the Red Team for CV-SALTS implementation, has prepared the first ILRP draft orders containing CV-SALTS implementing language, has reviewed and coordinated ILRP comments on both northern and southern coalition groups Management Practice Evaluation Program (MPEP) work plans, and has reviewed and provided feedback on the Groundwater Protection Formula (GWF) work plan. Eric has assisted Regional Board attorneys by finding, assembling, and copying the administrative record for the Tulare Lake Basin Plan.

During the current telework phase, Eric has been the unit's focal point for organizing, disseminating, and storing data, coalition submittals, and our responses in a manner accessible to other unit staff with fewer computer resources.

Eric is always willing to take on any extra assignment, which he completes in a timely manner. He is a valuable asset to the Fresno office and the Region and is most deserving of the Employee Recognition Award.

**EMPLOYEE: WES OUIMETTE**

**UNIT:** Irrigated Lands Compliance & Outreach

**LOCATION:** Rancho Cordova Office

**TITLE:** Engineering Geologist

**SUPERVISOR:** Bob Ditto, Senior Environmental Scientist

Wes is being recognized for his outstanding contributions to the Irrigated Lands Regulatory Program. His hard work and dedication are shown in his efforts to create new ways to track our compliance and outreach efforts.

Wes has been at the Water Board for over a decade and continues to help make the irrigated lands program more efficient. In 2016 Wes was recognized for his work developing an access database to help track compliance efforts. Data management is key in our tracking of outreach and enforcement actions as we send out hundreds if not thousands of letters each year.

In addition to tracking outreach, we must determine who needs to be enrolled in our program. Wes has created a GIS platform for staff to use to identify potential non-filers, which allowed staff to focus on desktop enrollment inspections when our emergency telework started. Staff completed over 20,000 parcel inspections covering over 600,000 acres of land during this time. In reference, we usually complete a thousand parcel inspections in a year. Staff is now able to create lists of non-enrolled parcels they identified using the GIS map and follow up with potential non-filers.

It doesn't stop here. Wes is currently working on converting our access database information to a GIS platform to track our enforcement actions. He is also working with Confined Animals Program staff to identify parcels enrolled in their program.

Wes more than deserves this award as he continues to push the envelope of technology to advance our data management tools. We would like to give him our sincere thanks for his exemplary work in the Irrigated Lands Regulatory Program.

**EMPLOYEE: PETER MINKEL**

**UNIT:** Water Quality Certification and Dredging Unit

**LOCATION:** Rancho Cordova Office

**TITLE:** Engineering Geologist

**SUPERVISOR:** Stephanie Tadlock, Senior Environmental Scientist

Pete is an Engineering Geologist in the Sacramento Water Quality Certification and Dredging Unit. Pete exhibits a high attention to detail, as well as effectiveness in communicating with applicants and other coordinating agencies for projects he has been tasked with completing. When asked to complete a certification within a short time frame, he does so with a willing and positive attitude. He has put great effort into eliminating a substantial certification backlog due to previous understaffing and maintains efficiency in continuing to work on current permitting projects. He has a strong work ethic and commitment to completing his assigned projects well in advance of established due dates.

Pete was recently placed on temporary assignment to assist with contact tracing efforts for the State of California. Prior to being brought actively to this temporary assignment, he was able to draft and issue many of his active certification projects to assist in alleviating the amount of his high active project count for redistribution. He is prompt in responding to questions from applicants and has become quite knowledgeable regarding the potential issues during certification and construction that may come up within his assigned counties.

His high work efficiency and productivity and attention to detail has made him a valuable staff member of the Water Quality Certification Unit and is very deserving of the Employee of the Month Award.

## **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 Executive Officer's (EO) Report is intended to inform the Board and the public on enforcement efforts since the last EO Report was issued. For this reporting period, the following sections provide: 1) a summary of enforcement orders issued; and, 2) a summary of all enforcement actions issued.

## ORDERS AND COMPLAINTS ISSUED OR ADOPTED

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

**Enforcement Table 1 – Central Valley Enforcement Orders  
(1 September 2020 Through 31 October 2020)**

Action Date	Agency	County	Notes
9/1/2020	Calaveras County Water District	Calaveras	Cleanup and Abatement (CAO) R5-2020-0702 issued to the Discharger for objectionable odors complaints that Board staff received regarding the Discharger's reclaimed storage pond. The Order requires the Discharger to immediately implement actions that would remedy generation of objectionable odors at the Facility, eliminate all nuisance condition in, or arising from discharges to the storage pond.
9/2/2020	Aerojet Rocketdyne, Inc.	Sacramento	ACL R5-2020-0533 in the amount of \$9,000 addresses MMPs for effluent limit violations. EPL converted to an ACL upon execution by the Central Valley Water Board's Executive Officer.
9/2/2020	Nevada CSD No 1	Nevada	ACL R5-2020-0534 in the amount of \$9,000 addresses MMPs for effluent limit violations. EPL converted to an ACL upon execution by the Central Valley Water Board's Executive Officer.
9/2/2020	Galt City	Sacramento	ACL R5-2020-0521 in the amount of \$3,000 addresses MMPs for an effluent limit violation. EPL converted to an ACL upon execution by the Central Valley Water Board's Executive Officer.
9/2/2020	Tracy City	San Joaquin	ACL R5-2020-0526 in the amount of \$9,000 addresses MMPs for effluent limit violations. EPL converted to an ACL upon execution by the Central Valley Water Board's Executive Officer.
9/2/2020	Yuba City	Sutter	ACL R5-2020-0514 in the amount of \$9,000 addresses MMPs for effluent limit violations. EPL converted to an ACL upon execution by the Central Valley Water Board's Executive Officer.

Action Date	Agency	County	Notes
9/15/2020	John Hennings	Shasta	13267 Order issued to the Discharger for discharges of slash and sediment to a Class I watercourse from active operations on a landing within the Watercourse and Lake Protection Zones (WLPZ) was observed. The Order requires the Discharger to submit corrective action and steps that will be implemented to ensure compliance with their WDRs.
9/23/2020	UPRR Dunsmuir Railyard	Siskiyou	ACL R5-2020-0532 in the amount of \$6,000 addresses MMPs for effluent limit violations. EPL converted to an ACL upon execution by the Central Valley Water Board's Executive Officer.
9/24/2020	Zhongren He Property	Shasta	13267 Order issued to the Discharger for discharges and threats of unauthorized discharge to waters of the States. The Order requires the Discharger to submit a corrective action plan to ensure there is not surface water discharge to waters of the State.
9/30/2020	Bell Carter Olive Company, Inc.	Tehama	EPL R5-2020-0551 issued in the amount of \$9,000 which represents the sum of MMPs for serious effluent violations which occurred between 1 November 2017 and 31 May 2018.
10/7/2020	Mt Shasta City	Siskiyou	ACL Complaint R5-2020-0543 issued in the amount of \$2,451,184 for sanitary sewer overflows (SSOs) that occurred between October 2014 to January 2018 and effluent violations subject to mandatory minimum penalties that occurred from 1 February 2017 through 30 April 2019.
10/15/2020	Soares, Germano & Jacinta	Stanislaus	CDO R5-2020-0047 issued to the Discharger because the wastewater ponds were not constructed in a manner intended to prevent or minimize wastewater infiltration, consistent with the minimum retention pond design requirement of California Code of Regulation, title 27, section 225562 subdivision (d). The depth of the wastewater ponds (up to 18' deep) when compared to the estimated depth to ground water (10'-20' below ground water surface) demonstrate that the dairy poses a risk to water quality in the Central Valley Region.

Action Date	Agency	County	Notes
10/27/2020	Grizzly Lake CSD	Plumas	Stipulation for Entry of Administrative Civil Liability Order (Stipulated Order or Order) R5-2020-0544 in the amount of \$162,000 addresses MMP effluent limitation violations that occurred between 1 February 2016 through 30 April 2019. The penalty amount will be suspended upon completion of the Compliance Projects.

## ENFORCEMENT UPDATE

Enforcement Table 2 below summarizes the enforcement actions issued in all Regions for the period between 1 September 2020 through 31 October 2020. From a statewide perspective, Region 5 is responsible for 27% of the enforcement actions tracked in CIWQS during this period including 40% of all 13267 Orders, 35% of all ACLs, and 12% of all NOV's.

**Enforcement Table 2 – Statewide Enforcement Actions in CIWQS  
(1 September 2020 through 31 October 2020)**

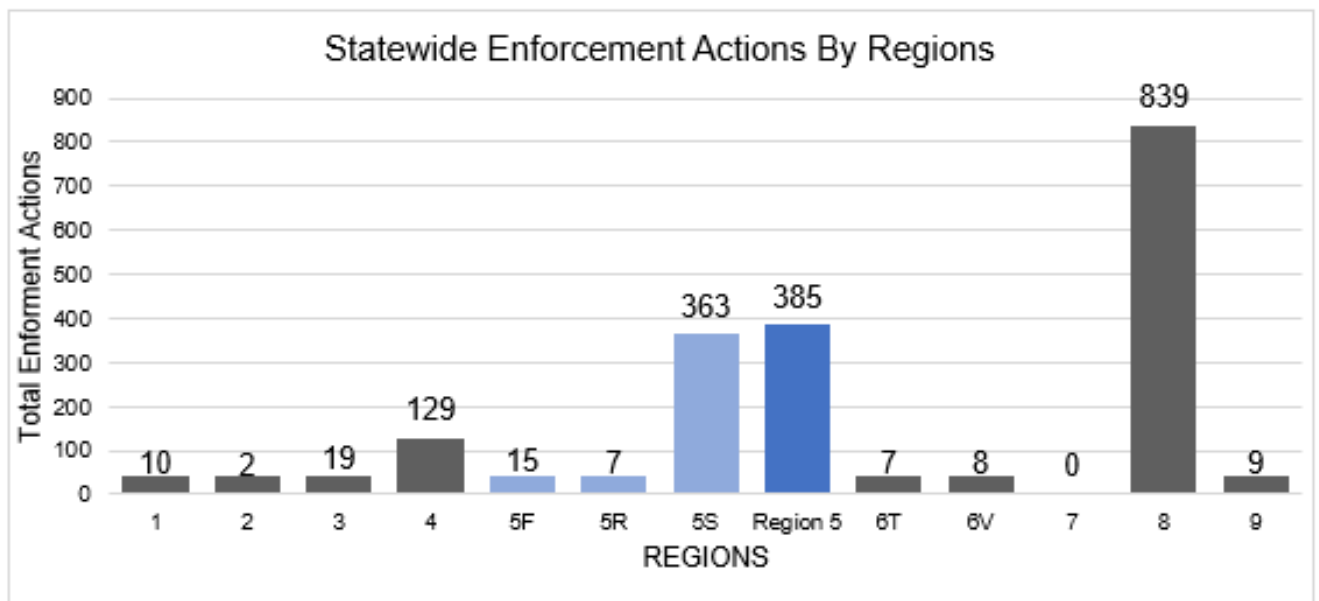
Region	13267	NNC	ACL	CAO	CDO	EPL	NOV	SEL	TSO	VER	Total
1	1	2	2	0	0	0	4	1	0	0	10
2	0	0	0	0	0	0	1	1	0	0	2
3	0	9	0	1	0	0	7	0	0	2	19
4	0	37	11	0	0	1	75	0	2	3	129
5F	0	0	0	0	0	0	12	0	0	3	15
5R	2	0	3	0	0	1	1	0	0	0	7
5S	0	320	5	1	1	0	23	2	0	11	363
<b>R5 Totals</b>	2	320	8	1	1	1	36	2	0	14	385
6T	0	0	0	0	0	0	1	6	0	0	7
6V	0	0	0	1	0	0	1	2	0	4	8
7	0	0	0	0	0	0	0	0	0	0	0
8	1	585	1	0	0	0	173	71	0	8	839
9	1	0	1	0	0	0	2	5	0	0	9
<b>Totals</b>	5	953	23	3	1	2	300	88	2	31	1408

## 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
- EPL - Expedited Payment Letter
- ACL - Administrative Civil Liability
- NTC - Notice to Comply

### STATEWIDE ENFORCEMENT ACTIONS BY REGION





**Figure 1: Enforcement Actions: Statewide Enforcement Actions  
(Reported 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 in GeoTracker  
(1 September 2020 through 31 October 2020)**

Region	13267 Order	CAO	Letter-Notice	NOV	Warning Letters	Verbal Communication	Total
<b>5F</b>	0	0	0	2	0	0	2
<b>5R</b>	1	1	0	0	1	1	4
<b>5S</b>	0	0	1	4	0	3	8
<b>Total</b>	1	1	1	6	1	4	14

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 2020 through 31 October 2020, a summary of those enforcement actions is included in Table 4, below.

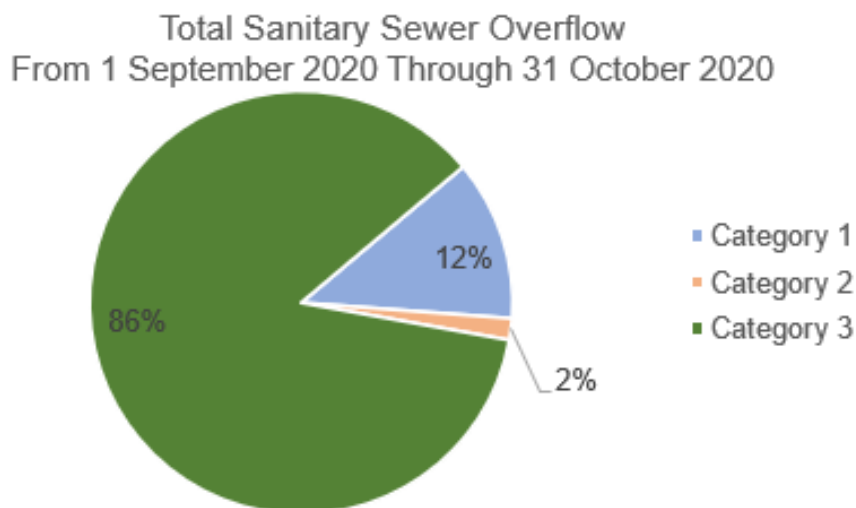
**Enforcement Table 4 – REGION 5 ILRP ENFORCEMENT ACTIONS  
(1 September 2020 through 31 October 2020)**

Region	Reminder letters Enrollment issued prior to 13260	Water Code Section 13260 Letters/ Directives for Failure to Enroll in ILRP	Reminder letters for late Annual Reports	NOVs for Failure to Submit Annual Reports	Total
<b>5F</b>	118	0	0	0	118
<b>5R</b>	0	0	0	0	0
<b>5S</b>	0	84	308	25	417
<b>Total</b>	118	84	308	25	535

## 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 a 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 2020 through 31 October 2020, there were no reported SSO incidents in which 50,000 gallons or greater spilled reached surface water.

### SSO SUMMARY DATA



**Figure 2: Central Valley Sanitary Sewer Overflow Summary (1 September 2020 through 31 October 2020)**

**Category 1** – Spills of any volume that reach surface water

**Category 2** – Spills greater than or equal to 1,000 gallons that do not reach surface water

**Category 3** – Spills less than 1,000 gallons that do not reach surface water

For the reporting period between 1 September 2020 through 31 October 2020, there were 122 total SSO spills: 12 Category 1; 2 Category 2; and 105 Category 3 spills.

### ADDITIONAL INFORMATION ON SSOS

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

Sewage collection agencies report SSOs in the State Water Board's CIWQS database pursuant to the requirements of SSS General Order.

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

Central Valley Water Board staff are responsible for responding to complaints related to water quality within the Central Valley Region as they are received. From 1 September 2020 through 31 October 2020, Central Valley Water Board staff received a total of 42 complaints via phone calls, emails, and from the [CalEPA Complaint database](https://calepacomplaints.secure.force.com/complaints/) (<https://calepacomplaints.secure.force.com/complaints/>). To date, 38 (90%) complaints have been investigated and closed or referred to another environmental enforcement agency. Investigations for the remaining four (4) 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)**

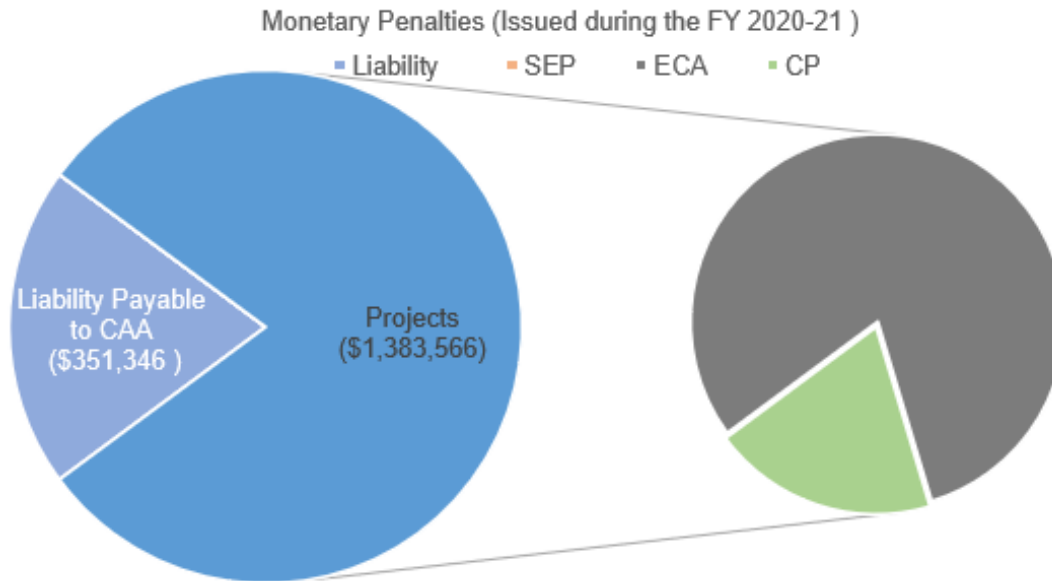
A settling party may offset a portion of the monetary liability of an ACL penalty by voluntarily choosing to fund SEP that enhance the beneficial uses of the waters of the State, provide a benefit to the public at large, and that, at the time they are included in an ACL action, are not otherwise required 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 July 2020 through 31 October 2020, the chart below summarizes total monetary penalties that were issued by the Central Valley Water Board. A total of \$1,734,912 in monetary penalties (Liability payable to CAA, CP,

and SEP) were issued during this period, of which \$270,000 was allocated for CPs and \$1,113,566 was allocated for ECAs (see Figure 3 below).



**Figure 3: Region 5 – Sum of Total Monetary Penalties issued during the fiscal year**

## 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)

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

and was used to develop the FY 2019-2020 performance targets below is the Central Valley Water Board's Performance Measurement Summary for the 2019-2020 fiscal year. This report was produced for the 2019-2020 fiscal year.

**ENFORCEMENT TABLES 5A-5E - REGION 5 INSPECTION PERFORMANCE MEASUREMENT SUMMARY (1 SEPTEMBER 2020 THROUGH 31 OCTOBER 2020)**

**NPDES Wastewater – Table 5a.**

<b>Programs</b>	<b>Original Target</b>	<b>Facilities Inspected</b>	<b>% Complete = Actuals/ Original Target</b>	<b>Revised Target</b>	<b>Total # of Inspections Performed</b>
Major Individual Facilities Inspected	29	3	10%	NA	3
Minor Individual Facilities Inspected	9	2	22%	NA	2
Minor General Enrollees Facilities Inspected	0	0	--	NA	0

NPDES facility inspections have been moving slower than usual due to varying pandemic protocols. It is anticipated that inspections will increase in December and January.

**Waste Discharge to Land – Wastewater – Table 5b.**

<b>Programs</b>	<b>Original Target</b>	<b>Facilities Inspected</b>	<b>% Complete = Actuals/ Original Target</b>	<b>Revised Target</b>	<b>Total # of Inspections Performed</b>
Municipal Waste, Industrial Waste, and All Other Facilities - Number of Inspections	151	35	33%	NA	50

**Land Disposal – Table 5c.**

<b>Programs</b>	<b>Original Target</b>	<b>Facilities Inspected</b>	<b>% Complete = Actuals/ Original Target</b>	<b>Revised Target</b>	<b>Total # of Inspections Performed</b>
Landfill Inspections	113	25	25%	NA	28

<b>Programs</b>	<b>Original Target</b>	<b>Facilities Inspected</b>	<b>% Complete = Actuals/ Original Target</b>	<b>Revised Target</b>	<b>Total # of Inspections Performed</b>
All Other Inspections	23	10	43%	NA	10

**NPDES Storm Water – Table 5d.**

<b>Programs</b>	<b>Original Target</b>	<b>Facilities Inspected</b>	<b>% Complete = Actuals/ Original Target</b>	<b>Revised Target</b>	<b>Total # of Inspections Performed</b>
Stormwater Construction Inspections	385	113	66%	NA	122
Stormwater Industrial Inspections	195	59	30%	NA	59
Stormwater Municipal Inspections	0	26	NA	NA	30

**Other Programs – Table 5e.**

<b>Programs</b>	<b>Original Target</b>	<b>Facilities Inspected</b>	<b>% Complete = Actuals/ Original Target</b>	<b>Revised Target</b>	<b>Total # of Inspections Performed</b>
Forest Activities Inspections	166	79	48%	NA	79
Confined Animal Facility Inspections	275	64	24%	NA	65

**ENFORCEMENT TABLE 6 – REGION 5 CLEANUP ACTION SUMMARY  
(1 SEPTEMBER 2020 THROUGH 31 OCTOBER 2020)**

**Clean Up – Table 6.**

<b>Programs</b>	<b>Original Target</b>	<b>Actuals: Permits or Issued</b>	<b>% Complete = Actuals/ Original Target</b>	<b>Revised Target</b>	<b>Total # of Permits Issued</b>
New DoD Sites into Active Remediation	5	0	0%	NA	NA
New SCP Sites into Active Remediation	40	5	13%	NA	NA
Cleanup Program Sites Closed	41	13	32%	NA	NA
New UST Sites into Active Remediation	25	2	8%	NA	NA
Underground Storage Tank Sites Closed	68	19	28%	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. The Review Panel’s report assessing the seven control study reports on municipal wastewater and urban stormwater runoff discharges can be viewed here:

(<http://www.deltacouncil.ca.gov/pdf/science-program/2019-08-22-delta-methylmercury-review-part-1.pdf>).

Board staff met with dischargers to discuss the control study reports, requested clarification information, and are in the process of issuing letters of compliance with the DMCP. 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 are planning to start CEQA scoping meetings in Winter 2020.

A second Review Panel will review the remaining open water modeling and tidal wetlands reports and submit a report on those studies in February 2021. Board staff will use information from these studies and recommendations from the Review Panels to consider revisions to the DMCP.

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

There have been many Delta RMP meetings focused on finalizing budget proposals from the Aquatic Science Center (ASC) and the Consensus and Collaboration Program (CCP) at Sacramento State for FY20/21 program management. Board staff attended RMP technical subcommittee meetings, Technical Advisory Committee (TAC) and Steering Committee (SC) meetings as well as other smaller meetings to provide support for the transition of the program. On 14 October 2020, board staff and a subgroup of the Delta RMP TAC discussed program priorities for FY20/21 and reviewed pending quality assurance plan revisions. The Toxicity Laboratory Selection Committee held four meetings in October and two meetings in November to complete and finalize a request for proposals. The Toxicity Laboratory Selection Committee plans to select a laboratory to perform toxicity analyses for the Delta RMP currently scheduled to begin in March 2021.

## **DELTA NUTRIENT RESEARCH PLAN**

The Delta Nutrient Research Plan (approved by the Central Valley Water Board in August 2018) identifies information gaps for assessing needs and developing water quality objectives for nutrients in the Delta. Ongoing implementation incorporates special studies, monitoring, and modeling to fill the information gaps.

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

- Board staff is part of a project team that is monitoring cyanobacteria blooms and cyanotoxins in water and sediment organisms in the Delta. The 2-year project, which is funded by a Prop 1 grant, began sampling in August. Board staff assisted with monthly progress and other reports and data management.
- In November, Board staff began sampling for a new cyanobacteria project aimed at investigating overwintering of cyanobacteria cells in major bloom locations in the Delta. Partners for this project are Bend Genetics and Robertson-Bryan Inc. The one-year project is funded by SEP funds through the Delta RMP and the State Water Board Freshwater HAB Program.
- Board staff continue to develop mass load estimates of nitrogen and phosphorous in the Delta. This work will update previously published load estimates to cover the period 2010-2019 and will help to identify gaps in our understanding of nutrient cycling.
- Development of a biogeochemical model depicting nutrient transport, transformations, and general phytoplankton growth continued. The biogeochemical



model is linked to a 3-dimensional hydrodynamic model with initial focus on water years 2011 and 2016.

## **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.

On 31 August 2020, the Port of Stockton began operating the aerator, and it remained in operation through 15 October 2020, when dissolved oxygen concentrations began to naturally increase. On 12, 13, 15, 16, and 17 September 2020, there were temporary excursions below the dissolved oxygen water quality objective concentration of 6 mg/L measured at the Department of Water Resources (DWR) station in the Stockton Deepwater Ship Channel (SDWSC). The lowest dissolved oxygen concentration during any of these brief excursions was above 5 mg/L, which is unlikely to result in significant impacts.

On 15 September 2020, DWR staff performed verification checks at the SDWSC station that showed instruments were reporting concentrations up to 0.93 mg/L lower than actual concentrations. At this time, the DWR technician also observed biological growth and biofouling of the housing unit, which might have contributed to the lower reporting concentrations. These effects were most likely isolated due to biofouling and were unlikely to be actual excursions below the water quality objective. On 21 September 2020, DWR staff replaced the housing unit and addressed the biofouling issue.

[Real-time dissolved oxygen data for the DWSC](https://cdec.water.ca.gov/dynamicapp/QueryF?s=SDO) 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 at:  
([https://www.waterboards.ca.gov/centralvalley/water\\_issues/tmdl/central\\_valley\\_project/s/san\\_joaquin\\_oxygen/index.shtml](https://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_project/s/san_joaquin_oxygen/index.shtml))

## **OLD AND MIDDLE RIVERS DISSOLVED OXYGEN IMPAIRMENT**

On 15 June 2020, the Department of Water Resources (DWR) submitted a draft report detailing the temporary barriers' effects on dissolved oxygen in Old and Middle Rivers to meet a requirement of the 401 Certification. Board staff reviewed the draft DWR report and provided feedback to DWR.

# **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.

Pyrethroid Management and Monitoring Plans were submitted to the Board from the City of Roseville and the Sacramento Stormwater Quality Partnership to comply with the BPA and TMDLs in April. Board staff have reviewed those Management Plans, provided comments to the dischargers, and anticipate being able to have the final versions of the Management Plans approved by the end of November 2020.

On 15 July 2020, Board staff sent orders under Water Code sections 13267 and 13383 to Municipal Separate Storm Sewer System (MS4) permittees in the Sacramento and San Joaquin Rivers Basins specifying requirements for baseline monitoring under the Control Program for Pyrethroid Pesticide Discharges. Under these Orders, larger Phase I MS4 entities must submit draft Baseline Monitoring Plans no later than 1 December 2020.

Phase II MS4 dischargers under the program 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 due to the Board by 19 August 2021. The Phase II MS4 dischargers were also required to submit a statement of intent by 31 August 2020 describing which option they selected. As of early November, all but one of the Phase II MS4s who received 13267/13383 Orders have responded, and staff are following up with the remaining MS4 discharger. Most of these Phase II MS4 dischargers will be preparing Pyrethroid Management Plans. If the baseline monitoring option was selected by the Phase II MS4 entity, a draft Baseline Monitoring Plan will be due on 28 February 2021, one (1) year of baseline monitoring shall be completed by 21 June 2022, and applicable reports shall be submitted by 19 September 2022. If an exceedance of prohibition triggers is found during baseline monitoring, a Management Plan is due one (1) year from the date the exceedance.

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

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](https://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_project_s/central_valley_pesticides/pyrethroid_tmdl_bpa/index.html)).

## **DIAZINON AND CHLORPYRIFOS REVIEW**

Board staff have completed an internal review of the diazinon and chlorpyrifos concentration data and other related information in the Central Valley Region. Preliminary results show that the improved practices and reduced uses that have followed the Board's control efforts, the Department of Pesticide Regulation's pesticide use regulations, and other regulatory changes, have been effective at reducing diazinon and chlorpyrifos concentrations. Board staff plan on presenting these findings to the Board at the December 2020 Board meeting.

## **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"). In addition, the State Water Board also defined a beneficial use for Subsistence Fishing (SUB) unrelated to California Native American Tribes. The SUB, T-SUB, and Commercial and Sportfishing (COMM) beneficial uses relate to the risks to human health from the consumption of fish or shellfish. In addition, the definition for CUL also includes consumption of aquatic resources to support cultural, spiritual, ceremonial, and traditional rights.

Through the 2018 Triennial Review process, several tribes in the Central Valley Region requested that the Board designate Tribal Beneficial Uses (TBUs). 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 continued participation in the Tribal Beneficial Uses 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). Board staff have begun drafting a Basin Plan Amendment to add the TBU definitions to the Basin Plans in 2021.

## **PIT RIVER EVALUATION**

The 2018 Triennial Review identified Reassessment of Beneficial Uses and Water Quality Objectives in Specific Reaches of the Pit River as a priority project. To support the project, Board staff met with the Modoc Resource Conservation District (MRCD) and Pit River Tribe beginning in the Fall of 2019 through early 2020. Through these meetings, stakeholders and Board staff determined the priorities for the program were

to gather the available temperature-related water quality data, to identify if data gaps exist and to determine if additional data is needed through a field effort. The MRCD and Pit River Tribe members agreed to continue discussions on this topic by holding future meetings. Board staff continue to facilitate meetings and discussions, as needed, or requested.

## **BIOSTIMULATORY BIOINTEGRITY POLICY DEVELOPMENT**

The State Water Board is developing a statewide plan for control of biostimulatory substances 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 biostimulatory substances and control options for point and non-point sources. If in narrative form, the objective would be accompanied by translators for biostimulatory substances and eutrophic conditions (e.g., total nitrogen, total phosphorous, and chlorophyll concentrations). The Amendment development is focused first on wadeable streams, followed by lakes and reservoirs and then lakes and estuaries. State Water Board staff anticipate releasing a draft Amendment for wadeable streams in 2020. There have been no meetings or document releases for this project in 2020.

## **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 will be working on the next steps identified during these meetings and will 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](https://www.waterboards.ca.gov/centralvalley/water_issues/salinity/) and related policy documents can be found at: ([https://www.waterboards.ca.gov/centralvalley/water\\_issues/salinity/](https://www.waterboards.ca.gov/centralvalley/water_issues/salinity/))

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 Adopted Resolution with the final Staff Report and Basin Plan Amendment language](#) can be found at:

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

On 16 October 2019, the State Water Board adopted a resolution approving the SNCP amendments, along with a directive for the Central Valley Water Board to adopt targeted revisions to the amendments within a year of their approval by the Office of Administrative Law (OAL), which was on 15 January 2020. The SNCP was finalized when the Notice of Decision was filed with the Secretary of Natural Resources Agency on 17 January 2020, except for the portions subject to the Clean Water Act, which were approved by the USEPA on 2 November 2020. Draft basin plan language addressing the revisions requested by the State Water Board were posted for public comment on 4 September 2020. The public comment period ended on 19 October 2020 and the hearing to consider adoption of the revisions is scheduled for 10 December 2020. The Notice of Opportunity to Comment and Public Hearing, along with the [draft basin plan language and Staff Report](#) can be found at:

([https://www.waterboards.ca.gov/centralvalley/water\\_issues/salinity/salt\\_nitrate\\_bpa\\_revisions/](https://www.waterboards.ca.gov/centralvalley/water_issues/salinity/salt_nitrate_bpa_revisions/))

The mailing of Notice to Comply letters for the Nitrate Control Program were sent out to Priority 1 permittees on 29 May 2020. Preliminary Management Zone Proposals are due on 8 March 2021 and Notice of Intent documents are due 7 May 2021. Notice to Comply letters for the Salt Control Program are scheduled for January 2020. More information about the [SNCP](#), including the latest on Management Zone formation efforts in Priority 1 areas can be found at: (<https://cvsalts.info>)

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

On 11 August 2017, the Board adopted the proposed Basin Plan Amendment to develop a region wide MUN evaluation process in Ag dominated surface water bodies. A State Board hearing to consider approval of the Basin Plan Amendment was held on 10 July 2018. State Board members deferred their decision on the amendments to a future date. Board staff continue to work with State Board staff to address questions and concerns that were raised during the 10 July 2018 hearing and have developed an updated project Work Plan for the fiscal year 2020/21.

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

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

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

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 last MAA meeting to discuss ongoing activities supporting the San Joaquin River Real Time Management Program activities (RTMP) was held on 21 September 2020. A meeting for the RTMP stakeholder group, originally scheduled for 8 June 2020, was postponed due to COVID-19 restrictions. USBR's 2019 Annual Report was submitted to the Central Valley Water Board in December 2019. USBR posted a draft of their FY20/21 Work Plan by 23 June 2020. USBR received one comment letter from the Contra Costa Water District. USBR submitted their final FY20/21 Work Plan and Response to Comments documents to the Central Valley Water Board on 27 August 2020 and the Work Plan was accepted by the Executive Officer on 22 September 2020. [USBR's documents](https://www.usbr.gov/mp/ptms/) 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. Monitoring was put on hold starting in March 2020 in response to COVID-19 requirements. However, E. coli monitoring at key sites along the Lower American River was restarted in mid-May 2020 in conjunction with a coordinated stakeholder effort to collect DNA source identification samples. DNA monitoring was previously conducted from August through September 2019 at ten river sites and two urban runoff locations in the Lower American River. The bird marker was the most frequently detected marker (14/24 samples) and the human marker was detected in a single sample. This second phase of the study will provide additional DNA samples to further characterize the contributing sources of E. coli to the river.

### **SUMMER 2020 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. Board staff completed their monitoring studies for the 2020 season, which include popular recreational spots in and around the Delta, the upper San Joaquin River, and the lower Kings River watersheds. Monitoring began in June 2020 and ran through September 2020.

[Online maps and more information on these SWAMP projects](https://www.waterboards.ca.gov/centralvalley/water_issues/swamp/r5_activities/2019_r5_activities.htm) are available at: (https://www.waterboards.ca.gov/centralvalley/water\_issues/swamp/r5\_activities/2019\_r5\_activities.htm).

## **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 and 2, below, summarize the Notices of Applicability that have been issued to date for Fiscal Year 2020/2021 (1 July 2020 and 31 October 2020) for the General Waste Discharge Requirements/NPDES Permit for Limited Threat Discharges to Surface Water (Limited Threat General Order) and Waste Discharge Requirements for Municipal Waste Dischargers that Meet Objectives/Criteria at the Point of Discharge to Surface Water (Municipal General Order).

#### **NPDES PERMIT Table 1 –Limited Threat Discharges to Surface Waters R5-2016-0076**

<b>Facility</b>	<b>General Order Permit Number</b>
McLaughlin Mine Treatment System Amendment	R5-2016-0076-031
North Manteca Trunk Sewer Construction Dewatering Project	R5-2016-0076-064
Lone Tree Rd Improvements Phase II Construction Dewatering Project	R5-2016-0076-066
Union Pacific Railroad Company, Dunsmuir Railyard Project	R5-2016-0076-063

#### **NPDES PERMIT Table 2 - Municipal General Order R5-2017-0085**

<b>Facility</b>	<b>County</b>	<b>General Order Permit Number</b>
Stallion Springs Community Services District, Wastewater Treatment Facility	Kern	R5-2017-0085-013

## **DAIRIES/CONFINED ANIMAL FACILITIES**

### **CONFINED ANIMAL FACILITY INSPECTIONS**

The Confined Animal Facilities Program's FY 2020/2021 performance target for facility inspections is 275. Staff had completed approximately 90 inspections as of early November. Staff anticipates increasing the rate of inspections, however, meeting the target may be difficult this year due to restrictions created by COVID-19.

## **OIL FIELDS**

### **WASTEWATER SURFACE PONDS**

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

- Issued two Notices of Applicability (NOAs) under Oil Field General Order No. 3 for Aera Energy, LLC and Fourstar Resources, LLC. The NOAs authorize the discharge of produced wastewater to ponds in the Coalinga and McDonald Anticline Oil Fields, respectively.
- Cleanup and Abatement Order (CAO) Order No. R5-2015-0743 was rescinded for the Jade Kern Project Lease, operated by J&K Operating. The CAO was rescinded in response to the closure of the pond. The related closure was reviewed and approved by Staff.
- Responded to a request by California Resources Corporation (CRC) to update the status of specific ponds on the Central Valley Water Board's master list based on new information that was submitted for review.
- Provided comments on a remediation work plan by CRC for the Layman A Lease.
- Conveyed a letter to CRC for nineteen pond features in the North and South Coles Levee Oil Field. Staff requested that CRC provide design and historical use information for concrete lined pond features and sampling plans for unlined ponds.

Staff continues 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.

Staff are currently reviewing technical data included with Notices of Intent for coverage under General Orders submitted by Valley Water Management Company for several large produced wastewater disposal facilities in the Midway Sunset Oil Field. The



Notices of Intent are intended to provide information needed to obtain coverage under Oil Field General Order No. 3 to replace outdated waste discharge requirements.

## **SPILL RESPONSE**

Staff responds to oil field spills and upsets reported to the Office of Emergency Services (OES). Staff were notified of three events in September and October.

A spill of oil field produced wastewater occurred on the Fairfield Dehydration Plant operated by Berry Petroleum Company (Berry), in the Midway Sunset Oil Field on

5 September. According to OES, an operational malfunction caused a booster pump to discharge approximately 3 bbls (126 gals) of produced wastewater to land. The OES report stated that a portion of the discharged wastewater affected a blue line stream bed. On 5 September, Berry staff told Staff that all free-standing fluids were recovered from the affected areas and that the fluids affecting the stream bed had evaporated. Berry staff added that staff of the California Department of Fish and Wildlife – Office of Oil Spill Prevention and Response (CDFW-OSPR) had not inspected the spill site.

A spill of oil field produced wastewater and oil was reported on the Rosedale Ranch Facility operated by Crimson Resource Management Company (Crimson), in the Rosedale Ranch Oil Field on 8 September. According to OES, a release of an unknown source caused the discharge of approximately 5 bbls (210 gals) of crude oil and produced wastewater to land. An update to the OES report stated that it turned out that no oil was involved in the release and that the discharge consisted of water and gas. On 10 September, Crimson staff told Staff that the discharge source was a pipeline that belongs to Crimson Midstream that passes through Crimson facility. Crimson staff added that the discharge did not involve any oil, but gas and water.

A spill of drilling fluids occurred on the Gauge Setting 5 Facility operated by Chevron USA, Inc. (Chevron), in the Cymric Oil Field on 10 September. According to OES, a leak during the drilling of a shallow well caused the discharge of approximately 0.48 bbls (20 gals) of drilling fluids into a dry stream bed. On 10 September, Chevron staff told Staff that staff of CDFW-OSPR were going to inspect the spill site on the same day. Staff inspected the spill site and observed the source well, the location of discharge, and the affected areas on 16 September. The spill resulted from the loss of circulation of drilling fluids during the drilling of a shallow well intended to relief formation pressure to stop existing surface expression onsite. The discharged drilling fluids affected a portion of a section of the stream bed altered by a culvert and basins for collection of seeping fluids.

Staff will continue to follow-up on spills and pursue enforcement where appropriate.

## **OIL FIELD FOOD SAFETY EXPERT PANEL**

Staff are working with GSI Environmental, Inc. (GSI) to edit draft reports that summarize the studies conducted on behalf of the Food Safety Project (Tasks 1-3). During September and October 2020, drafts of reports on Tasks 2 and 3, were reviewed by

Staff and State Water Board's Office of Chief Counsel. Once those reviews are complete, they will be provided to the Food Safety Expert Panel (Panel) for final review. The Draft Task 1 Report has been reviewed by Staff and the Panel and has been provided to the public for comment.

In addition to reviewing Task Reports, Staff have been working on a draft of the White Paper, which will summarize the Food Safety Project, and recommendations from the Panel. It is anticipated that the White Paper, and a resolution to accept the Panel's recommendations, will be presented to the Central Valley Water Board during a Board meeting in February.

## **UIC PROGRAM**

During the period from 11 September 2020 to 4 November 2020, Underground Injection Control Unit (UIC) Staff 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 boundaries.

Kern River Aquifer Exemption—The California Geologic Energy Management Division (CalGEM) provided State Water Board staff and Staff a revised aquifer exemption application (application). State Water Board staff and Staff met with CalGEM to discuss the changes to the application. Staff are reviewing the application provided.

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—State Water Board staff and Staff met with CalGEM to discuss the water well survey. Information for six wells could not be located by CalGEM. State Water Board staff and Staff were able to provide CalGEM with the missing information.

Mt. Poso Dorsey Area Aquifer Exemption—Staff continues to provide comments to the State Water Board regarding the proposed aquifer exemption application.

### **UIC PROJECT REVIEWS**

Staff received information in response to five 13267 Orders requiring Operators to perform hydrogeologic investigations in the South Belridge and Lost Hills Oil Fields. Staff are reviewing the information provided.

Staff continue to review project information relating to an Operator's request to conduct a water disposal project located in the South Belridge Oil Field. Staff issued a no objection letter and memorandum for the Operator's water disposal project in the McKittrick Oil Field. These two water disposal projects are being proposed so that the Operator can stop disposing of produced water into surface impoundments. Staff met

with the Operator and CalGEM on multiple occasions to discuss the Operator's proposed monitoring plans and potential conditions and limitations to be included in the project approval letters issued by CalGEM.

Staff continue to review project information relating to an Operator's request to conduct a water disposal project located in the South Belridge Oil Field. This water disposal project is being proposed as part of the Operator's transition plan to move its current water disposal activities from the east side to the west side of the South Belridge Oil Field. Staff reviewed additional information provided by the Operator and sent a letter and memorandum to the Operator requesting more information be provided. The Operator provided additional information, and Staff are reviewing the information provided.

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. Staff are reviewing the information provided.

Staff received project information relating to an Operator's request to conduct a pilot waterflood project in the Paloma Oil Field. Staff had sent CalGEM a no-objection-with-conditions letter and memorandum stipulating that three conditions need to be met prior to the commencement of injection activities. Staff reviewed the information provided and sent CalGEM a request for additional information. Staff reviewed the additional information and revised draft project approval letter provided by CalGEM and issued a no objection letter and memorandum to CalGEM.

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

Staff received project information relating to an Operator's request to conduct a steamflood and cyclic steam project in the Lost Hills Oil Field and a cyclic steam project in the South Belridge Oil Field. Staff are reviewing the information provided.

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

Since the last EO Report, Staff have completed two SB4 Well Stimulation Treatment (WST) Application package reviews and submitted written comments to the State Water Board. The Application packages reviewed were for Aera Energy LLC's Lost Hills Oil Field.

Staff also reviewed the following: a Chevron U.S.A. Inc. document associated with a groundwater mound feature in the Lost Hills Oil Field and a revised California Resources Corporation workplan for the installation of monitoring wells for WSTs planned in the East Elk Hills oil field area. Staff submitted written comments to the State Water Board.

Staff reviewed Aera Energy LLC South Belridge groundwater monitoring reports and conveyed comments to the State Water Board.

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

### **EXPERT REVIEW OF EAST SAN JOAQUIN SURFACE WATER MONITORING FRAMEWORK**

State Water Resources Control Board Order WQ-2018-0002 directed the Central Valley Water Board to convene an external expert review of the East San Joaquin Water Quality Coalition's surface water monitoring framework. Steve Weisberg of SCCWRP is facilitating the five-member panel external review. The first public Panel Meeting was held in January 2020, with two days at the Central Valley Water Board's Rancho Cordova office and one day touring the Coalition's monitoring locations. The second public Panel Meeting was held from 24-26 August 2020 via a webinar. Following two days of stakeholder presentations and deliberation, the Panel provided an overview of their recommendations for the ESJ surface water monitoring program. A draft findings and recommendations report was released on 16 October 2020 followed by the third public meeting on 6 November 2020 to discuss stakeholder comments on the draft report. The final report is due in January 2021.

Additional panel and meeting information is available on the following website: [Expert Review Panel for the ESJ Surface Water Quality Monitoring Program](http://www.sccwrp.org/about/research-areas/additional-research-areas/east-san-joaquin-expert-panel/) (www.sccwrp.org/about/research-areas/additional-research-areas/east-san-joaquin-expert-panel/).

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

### **COVID-19 IMPACTS**

Due to the Covid-19 pandemic, staff continue to work from home focused on preparing follow up for those identified as non-filers through our mapping identification process and coalition members who failed to submit annual reports. On-farm inspections have been put on hold. We have modified our outreach to non-filers by sending a reminder letter prior to a directive letter to potential commercial irrigated landowner/operators as a softer approach during this time.

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

Drinking water well monitoring outreach continue 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 are required to start sampling in 2020. Board staff is continuing to work with members by providing guidance and answering questions. Within the region, there has been over 3500 wells monitored for nitrate and nitrite as nitrogen as a result of this program, and that data is publicly available on GeoTracker.

ESJWQC members have started their second year of drinking water well monitoring. Between September 1 and October 31, 42 samples have been submitted to GeoTracker by 24 members/landowners with about 2.4 percent of samples exceeding the drinking water standard.

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. From September 1 to October 31, staff sent 17 e-mail reminders to ESJWQC members/landowners reminding them of the notification requirement. Staff will continue to follow up with phone calls and notices of violation, if necessary.

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 2020, there were 415 wells with nitrogen exceedances in the Tulare Lake Basin, and staff have received 311 signed Drinking Water Notification Templates. From September 1 to October 31 staff have contacted 148 member/landowners reminding them of the notification requirement and will continue with progressive enforcement actions as needed to obtain notifications.

## REMINDER LETTERS FOR ENROLLMENT

In response to the pandemic, Water Board staff are sending out reminder letters prior to 13260 directives to owners of potential commercial irrigated lands. The reminder letter is sent to these potential non-filers to provide them with information on the ILRP and steps for enrolling in the program. This process is a softer approach, giving the recipient more time and information to respond to our request to enroll in the ILRP. Staff then follows up with directives as needed. Coalition areas not shown had no reminder letters mailed during the reporting period.

<b>Coalition Area</b>	<b>Parcel Inspections September 1- October 31</b>
Kaweah Basin	20
Kern River	2
Kings	74
Tule	20
<b>Total</b>	<b>118</b>

## WATER CODE SECTION 13260 DIRECTIVES

Staff sends directive letters to owners of potential commercial irrigated lands identified through staff inspections of agricultural-zoned parcels.

The directives require recipients to obtain permit coverage within 15 days of receipt. Coalition areas not shown had no directives mailed during the reporting period.

<b>Coalition Area</b>	<b>13260 Directives sent September 1- October 31</b>
East San Joaquin	84
<b>Total</b>	<b>84</b>

## REMINDER LETTERS FOR FAILURE TO SUBMIT NITROGEN MANAGEMENT PLAN SUMMARY REPORTS

During this sensitive time of the pandemic, Water Board staff has implemented sending out a reminder letter prior to sending a notice 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.

<b>Coalition Area</b>	<b>Reminder Letters sent September 1- October 31</b>
San Joaquin & Delta	169
West San Joaquin	104
Sacramento Valley	35
<b>Total</b>	<b>308</b>

## 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.

<b>Coalition Area</b>	<b>NOVs Mailed September 1- October 31</b>
Sacramento Valley	25
<b>Total</b>	<b>25</b>

## SACRAMENTO RIVER WATERSHED COALITION GROUPS

### CALIFORNIA RICE COMMISSION

On 19 July 2020, the California Rice Commission submitted a monitoring proposal for the Pyrethroid Control Program Baseline Monitoring Plan to be implemented during 2021. The plan is currently under staff review.

## **SACRAMENTO VALLEY WATER QUALITY COALITION**

On 6 November, the Executive Officer approved the Sacramento Valley Water Quality Coalition Management Plan for Diazinon in Gilsizer Slough. The Plan is being implemented by the Coalition.

On 7 October, the Sacramento Valley Water Quality Coalition submitted a revised Groundwater QAPP. The QAPP is currently under staff review.

On 22 October, the Executive Officer approved the Sacramento Valley Water Quality Coalition Monitoring Plan Update for Water Year 2021. This plan is currently being implemented by the Coalition.

## **SAN JOAQUIN RIVER WATERSHED COALITION GROUPS**

### **EAST SAN JOAQUIN WATER QUALITY COALITION**

On 22 October, the Executive Officer issued a conditional approval of the Coalition's 2021 Water Year Monitoring Plan Update. The Coalition is required to submit a revised plan by 15 January 2021.

On 2 November, the Coalition submitted an amendment form to update the Quality Assurance Project Plan. The Coalition proposes to update the list of constituents and associated data quality objectives to reflect the Monitoring Schedule for the 2021 Water Year. The amendment is currently under staff review.

### **SAN JOAQUIN COUNTY AND DELTA WATER QUALITY COALITION**

On 6 October, the Executive Officer approved the Coalition's 2021 Water Year Monitoring Plan Update. The Monitoring Plan Update proposes the water quality monitoring schedule for the period between October 2010 and September 2021.

On 19 October, the Coalition submitted amendments to its Surface Water Quality Management Plan (SQMP) and Groundwater Quality Management Plan (GQMP). The amendments include the new surface water and groundwater Management Practice Implementation Report (MPIR) templates. It is under staff review.

On 20 October, the Executive Officer approved the Coalition's Groundwater Quality Assurance Project Plan and revisions. Staff evaluated the original GW QAPP including the revisions and confirmed that the GW QAPP met the Irrigated Lands Regulatory Program GW QAPP Guideline requirements.

### **WESTSIDE SAN JOAQUIN RIVER WATERSHED COALITION**

On 7 September, the Water Board sent a review letter for the 2020 Annual Monitoring Report, which met all Order requirements.

On 22 October, the Coalition submitted amendments to its Surface and Groundwater Management Plans to incorporate the Management Practices Implementation Report templates and processes. The amendments and templates are currently under staff review.

## **GRASSLAND DRAINAGE AREA COALITION**

On 23 October, the Coalition submitted amendments to its Groundwater Management Plan to incorporate the Management Practices Implementation Report template and processes. The amendment and template are currently under staff review.

## **TULARE LAKE BASIN COALITION GROUPS**

### **BUENA VISTA COALITION**

On 29 October 2020, staff issued a review of the Buena Vista Coalition's 2018 Annual Monitoring Report. The report described and summarized groundwater quality data, surface water quality data, and provided summary information for Farm Evaluations and Nitrogen Management Plan Summary Reports submitted by member growers. Based on staff's review, the report contained the elements required by the General Order.

On 2 November 2020, staff issued a review of the Buena Vista Coalition's 2019 Annual Groundwater Monitoring Results report. The report described and summarized groundwater quality monitoring data for the reporting period of 1 May 2019 - 31 August 2019. Annual groundwater monitoring data will be used to evaluate long-term trends in groundwater quality and how those trends relate to irrigated agricultural operations in the Central Valley. Based on staff's review, the report contained the elements required by the General Order.

### **KERN RIVER WATERSHED COALITION AUTHORITY**

On 3 November 2020, staff provided comments to the Kern River Watershed Coalition Authority's 2019 Groundwater Quality Trend Monitoring Report. Staff noted that two groundwater quality trend monitoring wells were in a transition area from foothills range land to valley floor agriculture and that these wells may be more indicative of groundwater quality as it migrates from the foothills into the valley floor aquifer system. Staff requested an update to the groundwater water quality trend network be provided a minimum of 60 days prior to the 2021 sampling event.

### **TULE BASIN WATER QUALITY COALITION**

On 15 October 2020, staff provided comments to the Tule Basin Water Quality Coalition's 2019 Annual Monitoring Report. Staff requested an explanation regarding which wells are to remain in the groundwater quality trend monitoring network in addition to plans to ensure the 40 groundwater quality trend monitoring wells not sampled in 2019 are available for future sampling events.



## **WESTLANDS WATER QUALITY COALITION**

On 8 October 2020, staff met with the Westlands Water Quality Coalition for a quarterly update.

## **OTHER PROJECTS**

### **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.

In September and October, Data Management Team staff submitted 13 Kings River Watershed Coalition Authority backlogged EDDs through first quarter 2017 to SWAMP for subsequent CEDEN loading.

### **NORMAN'S NURSERY**

On 1 May, Norman's Nursery submitted its annual Management Plan Progress Report. Staff found that required elements of the report were missing, and the nursery agreed to submit a revised report, which was submitted on 2 November. The revised report is currently under staff review.

### **RICE PESTICIDES PROGRAM**

The annual Rice Pesticide Program Stakeholder Meeting will be held via a Zoom meeting on 13 November 2020. Thiobencarb monitoring results for the 2020 season will be presented and discussed.

## **CLEAR LAKE NUTRIENT CONTROL PROGRAM UPDATE**

Board staff is working with TMDL identified responsible parties to obtain information regarding compliance with phosphorus load allocations. Board staff has drafted and sent enforcement orders to each responsible party to obtain this information. There have been delays in this process due to restrictions caused by COVID-19.

On 13 May 2020, Forest Service staff submitted their deliverables under the 13267 Order issued on 10 March 2020. Board staff is currently reviewing this information.

On 15 January 2020, Board staff issued a 13267 Order requiring an updated load estimate based on recent irrigated agriculture surveys, updated management practices,

and steps outlined in their response to a previous 132670 Order. On 20 March 2020, Board staff received a request for an extended deadline to submit an updated technical report due to delays associated with COVID-19. This request was submitted to provide additional outreach and training sessions for growers to submit through a new online system and time to evaluate recent data for the technical report. Based on the continued progress of Irrigated Agriculture in assessing compliance with their load allocation, Central Valley Water Board granted Irrigated Agriculture an extension to submit the technical report. The report must be submitted by 31 March 2021.

On 22 August 2019, a Time Schedule Order (TSO) request was submitted on behalf of Lake County MS4 co-permittees. On 13 December 2019, the Board issued a TSO to the permittees. The TSO includes a schedule of when the permittees will comply with their load allocation. On 31 January 2020, Board staff received deliverables from the MS4 permittees regarding their best management practices. Board staff is currently reviewing this information. On 25 March 2020, Board staff received and approved a request for extended deadlines. On 24 June 2020, Board staff issued a Notice of Violation (NOV) for failing to meet the extended deadline for the second deliverable under the TSO. The permittees submitted the requested deliverables and Board staff has verified the NOV was fully addressed. Board staff has provided an extension on the third deliverable, which requires the permittees to submit a BMP effectiveness assessment. The deliverable date is now 1 February 2021.

On 24 September 2019, Board staff issued USBLM a 13267 Order requesting information regarding compliance with their load allocation as well as post-fire management practices. On 17 December 2019, USBLM submitted a progress report outlining the steps they are taking to estimate their load reduction. USBLM also submitted a request for a three-month extension for the submittal of their final report. Staff approved this extension. On 19 May 2020, Board staff suspended the 13267 Order until restrictions are lifted for the Ukiah Field Office staff to conduct the monitoring necessary to gather information for their load allocation. On 15 September 2020 Board staff reinstated the Order with an extended deadline of 1 February 2021.

On 10 October 2019, Board staff sent County of Lake a 13267 Order regarding their nonpoint source load allocation. On 31 January 2020, Board staff received their first deliverable from Lake County, which is a list of their management practices to reduce erosion into Clear Lake. On 25 March 2020, Board staff received a request for extended deadlines to submit a rough estimate of Lake County's load reduction due by 31 March 2020 and a final technical report that describes management practices implemented to reduce phosphorus loads to Clear Lake due by 30 June 2020. Based on the continued progress of Lake County in assessing compliance with their load allocation and restrictions caused by COVID-19 guidelines, Central Valley Water Board has granted Lake County an extension to submit the estimate and technical report. The estimate was required to be submitted by 29 May 2020 and the report was to be submitted by 31 August 2020. On 24 June 2020, Board staff issued a NOV to Lake County for failing to meet the 29 May 2020 deliverable. The County submitted the missing deliverable and the NOV was resolved. Lake County has requested an extended deadline to complete the technical report. This extension was requested by

the County in order to enter into a contract with a consultant that can assess an accurate load reduction. Board staff have provided an extension for the final deliverable, which will now be due 01 February 2021.

The Blue Ribbon Committee for the Rehabilitation of Clear Lake met remotely on 23 September 2020. Updates were provided by Committee members and UC Davis. The Committee also discussed funding issues for recommendations. The Blue Ribbon Committee is scheduled to meet next on 09 December 2020. 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](https://resources.ca.gov/Initiatives/Blue-Ribbon-Committee-for-the-Rehabilitation-of-Clear-Lake) (https://resources.ca.gov/Initiatives/Blue-Ribbon-Committee-for-the-Rehabilitation-of-Clear-Lake).

More information about the Clear Lake Nutrient Control Program can be found on the [Clear Lake Nutrient TMDL webpage](https://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/clear_lake_nutrients/index.html) (https://www.waterboards.ca.gov/centralvalley/water\_issues/tmdl/central\_valley\_projects/clear\_lake\_nutrients/index.html).

## CANNABIS

### GENERAL ORDER ENROLLMENT AND DEVELOPMENTS

Staff have been actively reviewing and processing enrollments in Lake and Nevada Counties under the Statewide General Order and have been continuing to conduct outreach and enrollment enforcement efforts to ensure eligible cultivators enroll in the Statewide General Order. Lake County passed an ordinance requiring cultivators applying for County Use Permits to be enrolled in the Statewide General Order by 31 October 2020. The deadline imposed by the County resulted in over 200 new enrollments in the program.

Table 1 provides a summary of the Statewide General Order enrollments in the Central Valley Region to date.

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

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

County	CE	Tier 1L	Tier 1M	Tier 1H	Tier 2L	Tier 2M	Tier 2H	Total Active Enrollments
Calaveras	3	23	4	0	22	3	0	55
Colusa	2	1	0	0	1	0	0	4
Contra Costa	1	0	0	0	0	0	0	1
El Dorado	0	3	0	0	2	0	0	5

<b>County</b>	<b>CE</b>	<b>Tier 1L</b>	<b>Tier 1M</b>	<b>Tier 1H</b>	<b>Tier 2L</b>	<b>Tier 2M</b>	<b>Tier 2H</b>	<b>Total Active Enrollments</b>
Kern	1	0	0	0	0	0	0	1
Lake	45	127	2	0	204	2	4	385
Fresno	4	0	0	0	1	0	0	5
Merced	5	0	0	0	0	0	0	5
Nevada	18	202	3	2	7	0	0	232
Sacramento	130	0	0	0	0	0	0	130
Sierra	0	2	0	0	0	0	0	2
Solano	4	0	0	0	0	0	0	4
Shasta	0	0	0	0	0	0	0	0
Siskiyou	5	0	0	0	0	0	0	5
Stanislaus	18	6	0	0	2	0	0	26
Tulare	6	0	0	0	0	0	0	6
Yolo	2	18	0	0	46	0	0	66
Yuba	2	0	0	0	0	0	0	2
<b>Totals</b>	<b>246</b>	<b>382</b>	<b>9</b>	<b>2</b>	<b>285</b>	<b>5</b>	<b>4</b>	<b>934*</b>

\*Recent enrollments for Lake County are currently being entered into CIWQS and our internal enrollment tracker.

## **OUTREACH**

On 15 October, staff participated in a virtual outreach event in Nevada County.

## **COMPLIANCE AND ENFORCEMENT - ENROLLMENT ENFORCEMENT**

### **COMPLIANCE**

On September 30, staff performed a compliance inspection in Nevada County.

### **ENFORCEMENT**

On September 8, staff performed an enforcement inspection in Nevada County.

On September 30, staff performed an enforcement inspection in Nevada County.

On October 29, staff performed two enforcement inspection in Nevada County.

On October 30, staff performed an enforcement inspection in Shasta County.

On November 5, staff performed an enforcement inspection in Nevada County.

### **ENROLLMENT ENFORCEMENT**

Staff have completed the latest batch of enrollment enforcement and are planning the next batch according to the latest Executive Oversight Committee recommendations.

## 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/) (https://mywaterquality.ca.gov/habs/) was developed and is supported on the California Water Quality Monitoring Council’s [My Water Quality webpage](https://mywaterquality.ca.gov/index.html) (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.

### SUMMER/EARLY FALL 2020 – CENTRAL VALLEY BLOOMS

Cyanobacteria blooms 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 14 July 2020 to 12 November 2020 is provided in Table 1.

**Table 1. Cyanobacteria Bloom Summary: 14 July 2020 to 12 November 2020**

<b>Category</b>	<b>Count</b>
Number of Suspected Blooms Investigated since previous EO Report	42
Number of Confirmed Blooms <sup>1</sup> since previous EO Report	40
Number of Continuing Blooms <sup>1</sup> from previous EO Report	10
Number of Distinct Water Bodies with Confirmed Blooms since previous EO Report	33
Number of Human Illnesses Reported since previous EO Report (under investigation)	1 <sup>¥</sup>
Number of Animal Impacts Reported since previous EO Report (under investigation)	1 <sup>§</sup>

- <sup>1</sup> Confirmed and continuing blooms are identified through response actions by Water Board staff or by monitoring programs conducted by other stakeholders.
- ¥ Human illness related to odors from cyanobacteria- Cache Creek below Clear Lake
- § Animal impact was dead fish at Pine Mountain Club, Kern County

## **GRANTS**

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

Approximately \$4 million each year 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](https://www.waterboards.ca.gov/water_issues/programs/nps/319grants.html) at: ([https://www.waterboards.ca.gov/water\\_issues/programs/nps/319grants.html](https://www.waterboards.ca.gov/water_issues/programs/nps/319grants.html)).

The Central Valley Water Board is not accepting proposals for high-quality waters or impaired waters for the 2021 Clean Water Act section 319(h) Grant Solicitation due to lack of staff resources for this fiscal year. However, the State Water Resources Control Board is accepting post-fire recovery proposals for all Water Board regions of the state.

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

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

#### **EIGHTMILE VALLEY SEDIMENT REDUCTION AND HABITAT ENHANCEMENT PROJECT (\$749,992)**

The Bureau of Land Management will reduce the volume of sediment delivered to Clear Lake by realigning a severely eroded stream channel, establishing a prescriptive treatment for erosion control, installing grade control structures and engineering bank revetment using hardscape, bioengineering and revegetation. (Closing 4/30/2021)

#### **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 to extend the grant to February 2024. (Closing 2/28/2023)

### **SOUTH FORK BATTLE CREEK SEDIMENT REDUCTION AND WATER QUALITY ENHANCEMENT PROJECT (\$511,160)**

In 2012 the greater Battle Creek watershed was impacted by the Ponderosa wildfire. The resulting increases in post-fire stormwater runoff has led to continual discharges of sediment, metals, nutrients, and other pollutants to the adjacent streams, threatening aquatic wildlife (threatened and endangered species) and public health (drinking water). A 3.5 mile section of Ponderosa Way in Eastern Tehama County, north of State Route 36E (Project Area), was identified and prioritized as an area which needed sediment and erosion control treatments to minimize the continued discharges of sediment to South Fork Battle Creek. In 2019 a grant application proposal was prepared by the Tehama County Resource Conservation District (TCRCD) and was submitted to the State Water Resource Control Board (SWRCB). The proposal outlined implementation of the identified erosion and sediment control measures for the Project Area. In April 2020, the SWRCB approved the use of CWA 319 grant funds for the proposed project. In August 2020, the TCRCD submitted an updated Statement of Work and Budget to the SWRCB for review and consideration. The SWRCB is working to finalize a grant agreement with the TCRCD to implement the proposed project. (Closing 2/28/2022).

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

#### **PONDEROSA WAY ROAD ASSESSMENT AND SEDIMENT REDUCTION PLAN (PHASE II) (\$500,000)**

The Tehama County Resource Conservation District has conducted a road-related sediment survey on Ponderosa Way in Eastern Tehama County between State route 36E and State Route 32E (Project Area). The survey will result in a sediment reduction plan for the Project Area with one demonstration project in the Project Area. The demonstration project will serve to illustrate potential implementation measures that result in sediment reduction along Ponderosa Way in the Project Area. A time extension has been approved and an amended grant agreement was signed on 27 April 2020. The demonstration project commenced operations on 4 November 2020 and is expected to be completed by the end of November. (Closing 2/28/2021)

#### **NORTH BUTTE COUNTY ROAD INVENTORY AND IMPROVEMENT PROJECT (\$375,000)**

During this 8th quarter reporting period (April 1, 2020 to June 31, 2020) the Butte County RCD (BCRCD) worked with Pacific Watershed and Associates (PWA), Butte County Public Works (BCPW), and Contractor (Lamon Construction) to complete sediment reduction treatments on Powellton Road. Butte County Resource

Conservation District (BCRCD) and Pacific Watershed Alliance (PWA) provided construction oversight in coordination with Butte County Public Works. BCRCD and PWA took during and post construction photos. PWA is finalizing Site Sediment Inventory, GIS Site map, and Action Plan. The project is on schedule to be completed on time and within the proposed budget. (Closing 2/28/2021)

### **POST-FIRE RESPONSE TO FOREST MANAGEMENT (\$329,519)**

During this 8th quarter reporting period (April 1, 2020 to June 31, 2020) the Butte County RCD (BCRCD) worked with Pacific Watershed and Associates (PWA), Butte County Public Works (BCPW), and Contractor (Lamon Construction) to complete sediment reduction treatments on Powellton Road. Butte County Resource Conservation District (BCRCD) and Pacific Watershed Alliance (PWA) provided construction oversight in coordination with Butte County Public Works. BCRCD and PWA took during and post construction photos. PWA is finalizing Site Sediment Inventory, GIS Site map, and Action Plan. The project is on schedule to be completed on time and within the proposed budget. (Closing 2/28/2021)

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

The Western Shasta Resource Conservation District has completed a 23-mile road assessment inventory in the North Fork Battle Creek watershed. The grantee has compiled and prioritized all road-related sediment inputs described in the road assessment inventory into a final Action Plan report. 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 have participated in on-site training during implementation and completion of two demonstration sites along Rock Creek Road and Forward Mills Road. The grantee continues to facilitate progress on permitting, contracting, and compliance in preparation for implementation of additional demonstration sites. (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. The grantee will continue to monitor the project in preparation of completing a final report. (Closing 2/28/2022)

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

The American River Conservancy 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. All deliverables due have been submitted to date. The total spent is roughly 30% and the project is slightly ahead of schedule. (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, 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 (Closing in 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. (Closing in 2023)

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

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

\*On 24 September, Omar Mostafa and Lourin Hubbard 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 13 October, Lourin Hubbard participated (via conference call) in the Fresno Environmental Reporting Network task force meeting to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members.

On 15 October, Russell Walls participated (via conference call) in the Kings County Environmental Crimes Task Force meeting.

\*On 22 October, Omar Mostafa and Lourin Hubbard 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 22 October, Alex MacDonald and James Taylor provided updates on the cleanup at Aerojet Rocketdyne and the former McClellan AFB, respectively to the Sacramento Groundwater Authority. The focus of the presentation for Aerojet Rocketdyne was on recent evaluations of capture of the groundwater contaminant plumes for presented Aerojet updates to the Aerojet Community Advisory Group highlighting field activities undertaken by Aerojet. This included construction of new monitor wells and cleanup at Area 40. A discussion was also provided on the occurrence of PFAS in groundwater at Aerojet and the proposed construction of a consolidated waste management unit on the old White Rock Road North dump to take in contaminated soils.

## **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 (CECs) 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 (DRMP) in July 2018.

On 17 August 2020, the Quality Assurance Project Plan (QAPP) and Sampling and Analysis Plan (SAP) for the Work Plan were reviewed by the Technical Advisory Committee (TAC) of the DRMP and recommended to the Steering Committee for approval. On 27 August 2020, the Steering Committee approved the QAPP and SAP. The State Board Quality Assurance Officer will review the documents for signature once Data

Management Standard Operating Procedures are approved and incorporated into the QAPP and SAP. While these documents are in review, sampling events for sediment, fish, and clams in Year 1 have been completed, and the first water sampling event of the year has also been completed.

## **CAMP FIRE**

### **POST CAMP FIRE DIXIE ROAD SEDIMENT REDUCTION PROJECT (\$500,000)**

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. The Draft 1600 permit has been submitted for review and revisions have been made based on feedback from California Department of Fish and Wildlife. Cultural Resources Surveys have been delayed due to contractor availability and COVID-19 impacts within the North Eastern Information Center for historical resources. It appears at this time the construction schedule will be pushed back due to delays in the CEQA/NEPA analysis. Site access was limited due to the North Complex Fire and additional impacts may have resulted from fire suppression activities. A time extension Request will be submitted to extend the scheduled work completion of 12/31/21 to 6/30/22. Water Board staff are in support of this extension due to the unavoidable delays caused by the North Complex Fire and resulting NEPA/CEQA delays. (Closing 1/31/2022)

## **E&J GALLO WINERY, FRESNO COUNTY**

On 14 July 2020 Gallo submitted a report titled Biochemical Oxygen Demand Loading Calculations by Land Application Area (Report). The Report notes that the Winery has four land application areas (LAAs) as described in its WDRs for wastewater discharge. Each LAA is comprised of blocks (or fields) that each have a set of checks (odd or even). The WDRs require vadose zone monitoring for any LAA that has a BOD loading rate with a cycle average of 150 pounds per acre per day (lbs/acre/day) or more. The monitoring program requires the BOD cycle average loading rate be reported for “each discrete irrigation area within the land application areas.” To comply with this requirement, Gallo has been reporting BOD loading rates for each check. This has occasionally resulted in loading rates in excess of 150 lbs/acre/day for individual checks. The Report calculated the loading rates by LAA as defined in the WDRs and determined that for the 2019 harvest none of the LAAs exceeded a cycle average BOD loading rate of 150 lbs/acre/day. The Report proposed to report BOD loading rates in this manner going forward. In a 20 October 2020 letter, Central Valley Water Board staff concurred with Gallo’s proposal provided it also reports BOD loading rates by individual checks.

On 21 September 2020 Gallo submitted a work plan to destroy monitoring well MW-B18-2 as it had been replaced by a new monitoring well. A Central Valley Water Board staff letter dated 29 September 2020 approved the work plan.

## **PERSONNEL AND ADMINISTRATION**

### **STAFFING UPDATES – SEPTEMBER 1, 2020 – OCTOBER 31, 2020**

#### **PROMOTIONS:**

Jaclyn Carry – ES

#### **LEAVE OF ABSENCE:**

Amy Ha – WRCE

Danielle Goode – SR WRCE

#### **NEW HIRES:**

None

#### **RETIREMENT:**

Charlene Herbst – SR EG

Della Kramer – MST

#### **SEPARATIONS:**

None

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

**Total Authorized Positions:** 272.7

**Total Vacant Positions:** 33.5

#### **Sacramento**

Authorized Positions: 147

Vacancies: 21.5

#### **Fresno**

Authorized Positions: 76

Vacancies: 8

#### **Redding**

Authorized Positions: 49.7

Vacancies: 4

#### **Temporary Positions**

**New Hires:**

Misty Pontes – Seasonal Clerk

**Separations:**

Jennifer Gonzalez- SA

Danielle Putman – SA

William Zimmerman – SA

**TRAINING UPDATES - September 1, 2020 – October 31, 2020**

<b>Class Title</b>	<b>Number of Attendees</b>
Advanced Facilitation: Difficult Situations and Behaviors	1
Introduction to Communicating Effectively in Complex Organizations	1
2020 CASQA Annual Conference	7
24 Hour HAZWOPER	1
8-Hour HAZWOPER Refresher	42
Advanced Facilitation - Difficult Situations and Behaviors	1
Advanced Facilitation: Small Group Meetings	1
Advanced MS-Office with Forms	1
Advanced PDF with Forms	1
Art & Science of Motivation & Morale	1
CalEPA Basic Inspector Academy: Virtual Class	1
California Leadership Academy - Supervisor Development Program (80 Hour Program)	2
CASQA Virtual Conference	1
Chemistry Refresher	13
Conflict Management and Resolution Skills of the Workplace	10
Creating Accessible Adobe PDF Documents	3
Creating Accessible Word Documents	7
Customer Service Strategies	3
Editing	8
Emotional Intelligence	5
Facilitating Remote Meetings	2
Field Safety Training	2
FREP/WPHA Conference	6
Highly Effective Professional Writing	3
Implicit Bias: What We Do Not Know	11
Inspection of Fire Burned Areas	5
Interpersonal Communication Skills	2
Introduction to Communicating Effectively in Complex Organizations	11
Introduction to Project Management	1
Introduction to Working and Leading in Complex Organizations	9

<b>Class Title</b>	<b>Number of Attendees</b>
Microsoft Excel 2016 Level 3	1
Microsoft Excel Level 2	1
Microsoft Excel Level 3	1
Microsoft Word Level 2	2
Microsoft Word Level 3	1
PFAS Transport, Fate & Remediation of Emerging Contaminants of Concern	3
Principles of Contaminant Transport and Fate in Soil and Groundwater	11
Time Management	1
Transport Fate and Remediation of Emerging Contaminants of Concern	7
Trust and Legitimacy: Understanding implicit bias and its impact on workplace diversity and trust in the community Trust and Legitimacy: Understanding implicit bias and its impact on workplace diversity and trust in the community.	2
Water Boards 101: Training Services	2
Working and leading in complex organizations	1

## **FISCAL UPDATE**

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

## **CONTRACTS**

### **OPERATIONAL SUPPORT SERVICES**

<b>Contract Number</b>	<b>Contractor Name</b>	<b>Description</b>	<b>Start Date</b>	<b>End Date</b>	<b>Amount</b>
17-084-150, Amendment 1	Air Shasta Rotor and Wing, Inc.	Helicopter inspection services, Redding Office	05/24/2018	09/30/2020	\$60,000
20-012-150	TBD	Helicopter aerial surveillance services (Consolidated Region 5 contract – SB 901 funds)	TBD	TBD	\$185,000

### **WATER QUALITY STUDY/PLANNING**

<b>Contract Number</b>	<b>Contractor Name</b>	<b>Description</b>	<b>Start Date</b>	<b>End Date</b>	<b>Amount</b>
18-027-150	UC Davis	Tech assistance to determine pyrethroid	11/29/2018	01/31/2021	\$100,000

<b>Contract Number</b>	<b>Contractor Name</b>	<b>Description</b>	<b>Start Date</b>	<b>End Date</b>	<b>Amount</b>
		partition coefficients for sediment samples of the Central Valley.			
18-053-150	Caltest Analytical Laboratory	Lab services (Rancho Cordova office)	08/15/2018	06/30/2021	\$240,000
18-054-150	Basic Laboratory, Inc.	Lab services (Redding office)	08/15/2018	06/30/2021	\$165,000
18-055-150	Moore Twining Assoc. Inc.	Lab services (Fresno office)	08/15/2018	06/30/2021	\$195,000
18-057-150	UC Davis	Interpretation of Soil Chemistry	07/01/2018	01/31/2021	\$199,987
18-058-150	Aquatic Science Center	Development of a computer-based biogeochemical model for the Delta and Suisun Bay to quantitatively explore nutrient loads, cycling and characterize ecosystem response under current and future scenarios.	07/01/2018	03/31/2021	\$400,000
18-084-150	Southern California Coastal Water Research Project Authority	To organize and facilitate a Surface Water Expert Panel to evaluate the adequacy of the surface water monitoring and assessment framework in the Eastern San Joaquin (ESJ) River Watershed General Waste Discharge Requirements	4/17/2019	01/30/2021	\$249,806
19-003-150	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	11/21/2019	3/31/2022	\$95,000

Contract Number	Contractor Name	Description	Start Date	End Date	Amount
		health and water quality assessment/planning for protection of the Battle Creek watershed.			
19-033-150	California Department of Water Resources	Support for Sacramento Water Coordinated Monitoring.	12/24/2019	6/30/2022	\$525,000
20-005-150	United States Geological Survey	Development of a three-dimensional model of hydrodynamic mixing within Keswick Reservoir.	TBD	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.	TBD	1/31/2023	\$200,000

## **FUTURE BOARD ACTIVITIES**

### **FEBRUARY 2021 BOARD MEETING**

#### **NPDES PROGRAM – PERMITTING**

- Mariposa Public Utility District WWTF, Rescission
- Nevada CSD No. 1 Cascade Shores WWTP, Rescission
- Thunder Valley Casino WWTP, Rescission
- City of Turlock Regional WQCF, Renewal
- City of Manteca WQCF, Renewal
- UC Davis Main WWTP, Renewal
- City of Rio Vista Northwest WWTF, Renewal
- Lincoln Center GWTS, Renewal

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

- Union Mine WWTF, Amendment
- Grimmway Shafter Facility, Revision
- Jamestown WWTF, Revision



## **STORM WATER AND WATER QUALITY CERTIFICATION PROGRAMS**

- Waste Discharge Requirements, Coastal Partners, LLC, Vehicle Inspection Center Project, Placer County – Consideration of Waste Discharge Requirements [Lynn Coster (530) 224-2437]
- Waste Discharge Requirements, Brookfield Sunset LLC, Amoruso Ranch Project, Placer County – Consideration of Waste Discharge Requirements [Stephanie Tadlock (916) 464-4644]

## **IRRIGATED LANDS REGULATORY PROGRAM**

- External Expert Panel Review of East San Joaquin Coalition’s Surface Water Monitoring Framework – Info Item

## **APRIL 2021 BOARD MEETING**

### **NPDES PROGRAM – PERMITTING**

- Sierra Pacific Industries, Quincy Division Renewal
- Sacramento Regional WWTP Renewal
- Sequoia/Kings Canyon National Parks Rotenone Application (New Permit)
- Bell Carter Industrial WWTP Renewal
- Donner Summit Public Utility District WWTP Renewal
- Sixteen-to-One Mine Renewal
- Chester PUD Sewage Treatment Plant Renewal
- City of Live Oak WWTP Rescission
- Olivehurst PUD WWTP Renewal
- City of Galt WWTP Rescission

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

- City of Modesto WWTF, Revision
- Wonderful Pistachios, Lost Hills, Revision
- Azteca Mining, Revision

### **LAND DISPOSAL PROGRAM – CHAPTER 15/TITLE 27**

- Fink Road Landfill WDR, Revision
- SPI Martell WDR, Revision

## **IRRIGATED LANDS REGULATORY PROGRAM**

- ILRP General Order Updates for CV-SALTS

## **JUNE 2021 BOARD MEETING**

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

- CDCR, Mule Creek State Prison, Revision
- Bronco Winery, Revision
- Dunnigan Water Works, Revision
- Wonderful Pistachios, Lost Hills, Revision

## **IRRIGATED LANDS REGULATORY PROGRAM**

- Goose Lake Alternative Framework – Resolution or Info Item

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

### **NPDES PERMITS**

- Mountain House CSD WWTP Amendment
- Santa Fe Aggregates Sand and Gravel Plant Renewal
- Bear Valley CSD WWTF Renewal
- City of Chico WPCF Renewal
- City of Nevada City WWTP Amendment

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

- Large Domestic WWTF General Order, New WDRs
- Nut Dryers and Hullers General Order, New WDRs
- Food Processors General Order, New WDRs
- America Raisin Packers, Revised WDRs
- City of Kettleman WWTF, Revised WDRs
- Rawson Road Septage Facility, Revised WDRs
- Salad Cosmo, New WDRs
- JR Simplot, Revised WDRs
- Grayson WWTF, Revised WDRs
- Bogle Delta Winery, Amended WDRs
- Stewart & Jaspers, New WDRs
- California Concentrates, New WDRs

## **CONFINED ANIMAL FACILITIES**

- Revision of Dairy General Order, Revised WDRs

## **STORM WATER AND WATER QUALITY CERTIFICATION PROGRAMS**

- Dredging General Order (tentative – August 2021)

## ATTACHMENT A

### ATTACHMENT A – SANITARY SEWER OVERFLOW SUMMARY

Sanitary Sewer Overflow (SSO) Spills – 1 September 2020 through 31 October 2020

Spill Cause	Count of Spill(s)	Percent (%)
Other (not specified)	86	70%
Root Intrusion	34	28%
Damage by Others Not Related to CS Construction/Maintenance	1	1%
Operator Error	1	1%
<b>Total</b>	<b>106</b>	<b>100%</b>

Sanitary Sewer Overflow (SSO) Spills (TOTAL COUNTS) – 1 September 2020 through 31 October 2020

Office	Category 1	Category 2	Category 3	Total
5F	1	1	6	8
5R	2	0	4	6
5S	12	1	95	108
<b>Total</b>	<b>15</b>	<b>2</b>	<b>105</b>	<b>122</b>

## ATTACHMENT A

**Category 1:** Discharges of untreated or partially treated wastewater of any volume resulting from an enrollee’s sanitary sewer system failure or flow condition that:

- Reach surface water and/or reach a drainage channel tributary to a surface water; or
- Reach a Municipal Separate Storm Sewer System (MS4) and are not fully captured and returned to the sanitary sewer system or not otherwise captured and disposed of properly. Any volume of wastewater not recovered from the MS4 is considered to have reached surface water unless the storm drain system discharges to a dedicated storm water or groundwater infiltration basin (e.g., infiltration pit, percolation pond).

**Category 2:** Discharges of untreated or partially treated wastewater of 1,000 gallons or greater resulting from an enrollee’s sanitary sewer system failure or flow condition that do not reach surface water, a drainage channel, or a MS4 unless the entire SSO discharged to the storm drain system is fully recovered and disposed of properly

**Category 3:** All other discharges of untreated or partially treated wastewater resulting from an enrollee’s sanitary sewer system failure or flow condition

### Sanitary Sewer Overflow (SSO) Spills (DETAILS) – 1 September 2020 through 31 October 2020

REGION	AGENCY	Collection System	SSO Event ID	COUNTY	Did Spill Reach Surface Waters? (Yes/No)	Spill Volume (Gallons)	Volume Reached Surface Waters (Gallons)	Spill Date	Cause of Spill
5R	Redding City	Redding City CS	868894	Shasta	Yes	41,000	41,000	10/12/2020	Other (Not specified)
5S	Placer Cnty Dept of Facility Services	SMD No. 1 CS	868339	Placer	Yes	48,609	28,900	10/29/2020	Other (Not specified)
5S	California Department of Corrections and Rehabilitation	Mule Creek State Prison CS	868429	Amador	Yes	42,227	20,000	10/27/2020	Other (Not specified)
5R	Shasta Lake City	Shasta Lake CS	868358	Shasta	Yes	15,147	15,147	9/7/2020	Other (Not specified)
5S	California Department of Corrections and Rehabilitation	Folsom State Prison CS	869656	Sacramento	Yes	7,440	7,440	10/3/2020	Other (Not specified)
5S	El Dorado Irrigation District	Deer Creek CS	870182	El Dorado	Yes	1,575	1,575	10/6/2020	Other (Not specified)

## ATTACHMENT A

REGION	AGENCY	Collection System	SSO Event ID	COUNTY	Did Spill Reach Surface Waters? (Yes/No)	Spill Volume (Gallons)	Volume Reached Surface Waters (Gallons)	Spill Date	Cause of Spill
5S	Sacramento Area Sewer District	Sacramento Area Sewer District CS	870088	Sacramento	Yes	900	891	10/13/2020	Other (Not specified)
5S	California Department of Corrections and Rehabilitation	California State Prison, Solano CS	868991	Solano	Yes	4,800	800	10/20/2020	Other (Not specified)
5S	Sacramento Area Sewer District	Sacramento Area Sewer District CS	869599	Sacramento	Yes	797	585	9/8/2020	Other (Not specified)
5S	Sacramento Regional CSD	Sacramento Regional CS	869581	Sacramento	Yes	400	368	9/2/2020	Other (Not specified)
5S	Placerville City	Hangtown Creek CS	869685	El Dorado	Yes	825	325	10/18/2020	Other (Not specified)
5S	Placerville City	Hangtown Creek CS	869858	El Dorado	Yes	375	300	10/24/2020	Other (Not specified)
5F	Madera County Public Works Department - Special Districts	MD-8A North Fork CS	869545	Madera	Yes	3,100	100	9/1/2020	Other (Not specified)
5R	Redding City	Redding City CS	868897	Shasta	Yes	10,989	100	10/5/2020	Other (Not specified)
5S	Sacramento Area Sewer District	Sacramento Area Sewer District CS	869884	Sacramento	Yes	420	98	10/10/2020	Other (Not specified)
5S	Sacramento Area Sewer District	Sacramento Area Sewer District CS	869951	Sacramento	Yes	104	55	10/12/2020	Other (Not specified)

## ATTACHMENT A

REGION	AGENCY	Collection System	SSO Event ID	COUNTY	Did Spill Reach Surface Waters? (Yes/No)	Spill Volume (Gallons)	Volume Reached Surface Waters (Gallons)	Spill Date	Cause of Spill
5S	Sacramento Area Sewer District	Sacramento Area Sewer District CS	868775	Sacramento	Yes	71	27	10/29/2020	Other (Not specified)
5R	Mt Shasta City	Mt Shasta CS	869453	Siskiyou	Yes	22	12	10/27/2020	Other (Not specified)