

EXECUTIVE OFFICER'S REPORT

16 FEBRUARY 2024

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION**

PATRICK PULUPA, EXECUTIVE OFFICER



STAFF RECOGNITION	3
PROGRAM REPORTS	3
ENFORCEMENT REPORT	21
CLEANUP SUCCESSES	25
SPECIAL FOCUS AREAS.....	26
GRANT OVERSIGHT	30
OUTREACH.....	31
PERSONNEL AND ADMINISTRATION	33
FUTURE BOARD ACTIVITIES.....	37

STAFF RECOGNITION

EMPLOYEE RECOGNITION AWARDS/SUPERIOR ACCOMPLISHMENT AWARDS

The Central Valley Water Board believes in recognizing superior employee performance via the Employee Recognition Program. This Program consists of monthly Employee Recognition Awards (ERAs) and quarterly Superior Accomplish Awards (SAAs). ERAs are presented at monthly All Staff Meetings with a certificate and announcement by the Executive Officer (EO). SAAs are presented at Board Meetings and include a certificate, monetary award, and announcement by the EO. [Employee Recognition Awards](#) can be viewed on the Board's website at

(https://www.waterboards.ca.gov/centralvalley/press_room/employee_recognition/).

PROGRAM REPORTS

BASIN PLANNING

TRIENNIAL REVIEW

Pursuant to the Federal Clean Water Act and section 303(c) and Water Code section 13240, the Board reviews the water quality standards contained in the Water Quality Control Plan for the Sacramento River and San Joaquin River Basins and in the Water Quality Control Plan for the Tulare Lake Basin (Basin Plans) every three years. The process of soliciting information pertinent to this review and the review itself is referred to as the "Triennial Review."

The Triennial Review consists of 1) solicitation for public comments on water quality issues in the Central Valley that may need to be addressed through basin plan amendments, and 2) preparing a workplan for each Basin Plan which describes the actions the Board may take over the next three years to investigate and respond to the issues. After public input is received, the Board develops and adopts a prioritized workplan that is used to direct basin planning efforts over the next three years. Implementation of the workplan depends upon the Board's program priorities, resources, and other mandates and commitments.

Board staff issued the solicitation for public comments on 5 January 2024. The reviews of both Basin Plans are occurring concurrently, and the public may provide comments on either Basin Plan until 21 February 2024. Written comments will be accepted during the 45-day solicitation period for both Basin Plans at the Rancho Cordova office and through email (Mason Gatti at r5triennial-review@waterboards.ca.gov). Board staff will compile comments for the appropriate Basin Plans and use them to inform the development of the draft 2024 Triennial Review Workplan.

The [2024 Triennial Review Notice of Solicitation](#) can be found at

(https://www.waterboards.ca.gov/centralvalley/public_notices/#bpa).

More information on the Triennial Review process, including the 2021 Workplan, can be accessed at the Central Valley Water Board's [Basin Plan Webpage](#) at

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

TOTAL MAXIMUM DAILY LOAD (TMDL) PROGRAMS

PESTICIDE TMDLS

On 8 June 2017, the Board adopted a Basin Plan Amendment (BPA) which established a Control Program for Pyrethroid Pesticide Discharges throughout the Sacramento and San Joaquin River Basins, as well as Total Maximum Daily Loads (TMDLs) for

pyrethroid pesticides in certain impaired water bodies. The State Water Board approved the BPA on 10 July 2018. The Office of Administrative Law (OAL) approved the BPA on 19 February 2019. On 22 April 2019, USEPA approved the BPA. The BPA, including the TMDL, are fully approved and effective.

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

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

All but one (City of Modesto) of the five Phase I MS4 permittees have complied with the Orders and submitted Plans by the 1 December 2020 deadline. Four of the five Phase I MS4 permittees reported exceedances of the prohibition triggers and subsequently submitted the required PMPs. As of November 2023, all these permittees are implementing their approved PMPs. The City of Modesto's Baseline Monitoring Plan was approved in October 2023, and the City expected to initiate monitoring in Fall 2023.

Six Phase II MS4 permittees selected the baseline monitoring option and received subsequent approval of their Baseline Monitoring Plans. Three of the Phase II MS4 permittees (Cities of Davis, Los Banos, and Woodland) reported exceedances during baseline monitoring, and in accordance with the Order, submitted PMPs in September and October 2022 and all were approved. The joint baseline monitoring for County of Lake and the Cities of Clearlake and Lakeport is expected to end in early 2024. Baseline Monitoring Reports from the Cities of Redding and Chico were approved in late 2022, fulfilling the responsibilities of these cities under the Order.

Board staff received notices of intent to submit a PMP from 48 Phase II MS4 permittees. Of those 48 Phase II MS4 permittees, 44 submitted PMPs and 43 have been approved. Board staff continue to work with the Phase II MS4 permittee whose PMP requires revision and the Phase II MS4 permittees (2) that did not submit PMPs.

In July 2023, Board staff released the Draft Pyrethroid Research Plan for public comment. The Draft Pyrethroid Research Plan, which is a deliverable of the Control Program for Pyrethroid Pesticide Discharges, summarizes the current state of science, and identifies research and special studies that, once completed, may inform future iterations of pyrethroid pesticide discharge regulations (e.g., potential objectives, program refinement).

Board staff hosted a public meeting on 1 August 2023 to provide participants with an opportunity to discuss the Board's Draft Pyrethroid Research Plan. Board staff met with MS4 Phase II entities on 16 August 2023. Board staff are available for additional meetings as requested by stakeholders, Tribes, or other interested parties.

The public comment period closed on 18 September 2023, and Board staff are developing a Response to Comments and revising the Draft Pyrethroid Research Plan to address feedback obtained through meetings and written comments provided during the public comment period. Based on stakeholder request, Board staff will hold a second public meeting in early 2024 to discuss the proposed revisions. Once revisions are complete, Board staff will present the Pyrethroid Research Plan to the Board for adoption. Once determined, the date for the public hearing for Board adoption will be publicly noticed.

DELTA METHYLMERCURY CONTROL PROGRAM/TMDL

The Delta Methylmercury TMDL and associated program of implementation, collectively referred to as the Delta Mercury Control Program (DMCP) was adopted as a phased TMDL by the Regional Board on 22 April 2010. Final approval by the U.S. EPA was received on 20 October 2011. The TMDL was adopted as a Basin Plan Amendment and includes a control program to reduce methylmercury and inorganic mercury in the Delta.

The first phase of the DMCP requires entities responsible for discharging methylmercury (MeHg) in the Delta to conduct source control studies and subsequently develop and evaluate MeHg management methods. Board staff will use information from these studies and recommendations from both Panels to consider revisions to the DMCP, referred to as the DMCP Review. ADA-compliant versions of the [Review Panel's Final Reports](#) can be viewed at

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

Phase 2 began on 20 October 2022, and requires dischargers to implement MeHg control programs to meet allocations, continue total mercury reduction programs, and conduct compliance monitoring. Board staff are continuing to review and incorporate more recent data and methodologies, including information provided in the control and characterization studies, to determine modifications to the DMCP.

Board staff prepared a staff report, the DMCP Review Draft Staff Report for Scientific Peer Review (Staff Report), detailing the proposed modifications to the scientific portions of the regulations and plan to initiate the Scientific Peer Review process (including public release of the Staff Report) in early 2024.

In anticipation of the submittal to Scientific Peer Review, on 4 December 2023, Board staff hosted a hybrid meeting for entities who are currently subject to Waste Load Allocations pursuant to the Delta Mercury Control Program. Board Staff presented DMCP modifications proposed within the Staff Report. Board staff plan to host a hybrid public meeting after the public release of the Staff Report.

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

(https://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/delta_hg/).

DISSOLVED OXYGEN TMDL

In 2006-2007, an aeration facility was constructed on the Port of Stockton's West End Complex as part of the Stockton Deepwater Ship Channel/San Joaquin River (SDWSC/SJR) Dissolved Oxygen TMDL Implementation Program. Since 2011, the Port of Stockton has operated the aeration facility when dissolved oxygen concentrations are expected to fall below the dissolved oxygen water quality objective. The water quality objective is 5 mg/L December through August and 6 mg/L September through November in the channel.

From 11 December 2023 to 17 January 2024, no excursions were detected exceeding the applicable water quality objective.

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

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

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

(https://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/san_joaquin_oxygen/index.shtml).

CLEAR LAKE NUTRIENT CONTROL PROGRAM/TMDL/BLUE RIBBON COMMITTEE

Board staff continued implementation of the Nutrient TMDL and considered future revisions to the Control Program and TMDL based on information currently being gathered through studies and projects in the watershed, including the Board's Environmental Driver's study, the UC Davis study, Tribal monitoring data, and other stakeholder efforts.

The County of Lake and the Cities of Clearlake and Lakeport (collectively, Permittees) submitted requests to amend the Time Schedule Order (TSO) R5-2019-1005-001 to extend the compliance deadline from 30 September 2024 to 30 September 2028. The Permittees stated that the additional time would allow them to apply for grants to adequately fund, implement, and document the sediment phosphorus reduction projects in their TSO Task 4 Work Plans.

In response to the request, Board staff drafted an amended TSO and accompanying resolution, which were publicly noticed and made available for public comment. The 30-day public comment period closed on 1 September 2023. At the October 2023 Board Meeting, the Board adopted Resolution R5-2023-0047, which approved the amended TSO, TSO R5-2019-1005-002. Both documents are available on the [Adopted Orders website](#) at

(https://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders/#lake).

The Resolution and Order can also be found on the [Clear Lake Nutrient TMDL website](#) at

(https://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/clear_lake_nutrients/).

Board staff participated in the Blue Ribbon Committee meetings which focused on approval of the annual report. The next Blue Ribbon Committee meeting is scheduled for 21 March 2024.

More information regarding the Blue Ribbon Committee can be found on the Natural Resources Agency's [Blue Ribbon Committee website](#) at

(<https://resources.ca.gov/Initiatives/Blue-Ribbon-Committee-for-the-Rehabilitation-of-Clear-Lake>).

LOWER SAN JOAQUIN RIVER SALT AND BORON TMDL

On 19 December 2023 the United States Bureau of Reclamation (USBR) submitted a draft Annual Report summarizing activities completed by USBR in fiscal year 2023 under the Management Agency Agreement to meet obligations assigned to it by the Salt and Boron TMDL for the lower San Joaquin River. The Annual Report is under review and will be posted to the [USBR website](#) when it is finalized at

(<https://www.usbr.gov/mp/ptms/>).

CV-SALTS/SALT CONTROL PROGRAM

SALT PRIORITIZATION AND OPTIMIZATION (P&O) STUDY

The first of three phases of the Salt Control Program, the P&O Study, is a ten- to fifteen-year project to characterize the status of salinity in the Central Valley and evaluate salinity management solutions to inform Phases 2 and 3 of the Salt Control Program.

Monthly meetings of the Executive Committee of interested parties are conducted, as well as two subcommittees of the Executive Committee that meet regularly to discuss modeling and regulatory/policy topics. There is a suite of modeling and analytical tools

that have been selected for this project and multiple models are currently being integrated, calibrated, and validated. These models are being applied to each of the three Central Valley hydrologic basins (Sacramento River watershed, San Joaquin River watershed, and the Tulare Lake watershed). The initial model outputs have been completed and provide information on characterizing the current salinity conditions in each basin of the Central Valley.

The initial modeling outputs of current salinity conditions have also informed the Baseline Characterization Report (Part 2 that includes the salt loading). A draft of Part 2 of the Baseline Characterization Report has been reviewed and is being finalized. Next steps for the P&O Study are future modeling scenarios being conducted, evaluation of Salt Management Regions (each Region will have a specific, tailored salinity management plan), a pilot study for Salt Management Region evaluation, evaluation of Salt Management Areas (areas that may serve as salt depositories), evaluation of archetype areas, evaluation of salinity target setting, and data gathering of Groundwater Sustainability Plans.

OIL FIELD SALINITY BASIN PLANNING ACTIONS

Groundwater within the Tulare Lake Basin is designated to have both Municipal and Domestic (MUN) and Agricultural Supply (AGR) beneficial uses, unless specifically de-designated by a Basin Plan Amendment. The need for evaluating appropriate beneficial uses, specifically for MUN and AGR, has been recognized by stakeholders and the Central Valley Water Board through the 2011, 2013, 2018 and 2021 Triennial Reviews. In addition, the Central Valley Salinity Alternatives for Long-Term Sustainability (CV-SALTS) initiative also identified the need to evaluate the level of protection of MUN and AGR beneficial uses as an essential activity of the CV-SALTS initiative to find solutions to the salt problem in the Central Valley. There are several basin planning evaluation efforts underway.

Southern Lost Hills Basin Plan Amendment

The Central Valley Water Board adopted a Basin Plan Amendment (BPA) to de-designate MUN and AGR use in groundwater within a portion of the Southern Lost Hills Oil field in June 2022.

Outreach for AB 2108 for Disadvantaged Communities downgradient from the project area was conducted on 19 September 2023. For this outreach, Board staff posted hard copies (in both English and Spanish) of the Notice of State Board approval consideration and a project information sheet at four highly visible community locations in the community of Lost Hills.

This BPA was approved by the State Board at the 7 November 2023 State Board Meeting. Board staff are preparing to submit the Administrative Record for the Basin Plan Amendment to the Office of Administrative Law for approval. Once approval is received from the Office of Administrative Law, this BPA will become effective.

Information on the [Southern Lost Hills BPA](#) can be found at

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

McKittrick Oil Fields Area Basin Plan Amendment Evaluation

Valley Water Management Company (Valley Water) operates oil field-produced wastewater disposal facilities in Kern County. The facilities receive produced wastewater from oil and gas producers in adjacent oil fields. Valley Water has requested to have MUN and AGR beneficial uses removed from portions of the groundwater adjacent to, and within, the administrative boundaries of the South Belridge, Monument Junction, and Cymric oil fields. Board staff have initiated a beneficial use designation evaluation to determine if the removal of MUN and AGR beneficial use designations from the subject groundwater is appropriate and have completed AB-52 and B10-11 tribal consultation opportunity letters. Board staff held a

CEQA Scoping Meeting on 25 May 2023 in Buttonwillow, CA. Board staff are currently developing a staff report for the project.

Information on the [McKittrick Oil Fields BPA Evaluation](#) can be found at

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

California Independent Petroleum Association (CIPA) Basin Plan Amendment

CIPA submitted information relevant to evaluate MUN and AGR designations on the southwestern portion of the Tulare Lake Basin in western Kern County. Both Central Valley Water Board staff and the Central Valley Salinity Coalition have reviewed the information and provided feedback to CIPA's consultant. CIPA recently submitted a technical report for this project to provide information for a beneficial use evaluation. This report was reviewed by Board staff and on 24 October 2023 a meeting was held to discuss the report. Board staff requested more information and CIPA agreed to provide a revised technical report to the Central Valley Water Board.

TRIBAL BENEFICIAL USES DESIGNATIONS

On 2 May 2017, the State Water Board adopted Part 2 of the Water Quality Control Plan for Inland Surface Waters, Enclosed Bays, and Estuaries of California - Tribal and Subsistence Fishing Beneficial Uses and Mercury Provisions (Resolution 2017-0027). This Resolution established three new beneficial use definitions: Tribal Tradition and Culture (CUL), Tribal Subsistence Fishing (T-SUB), and Subsistence Fishing (SUB). The SUB and T-SUB beneficial uses relate to the risks to human health from the consumption of fish or shellfish. The definition for CUL also includes consumption of aquatic resources to support cultural, spiritual, ceremonial, and traditional rights.

On 6 December 2018, the Central Valley Water Board adopted Resolution R5-2018-0079 approving the 2018 Triennial Review with TBU designations as a priority project. At the 18 February 2022 Board Meeting, the Central Valley Water Board adopted the proposed basin plan amendment (BPA) to add the TBU definitions to the Water Quality Control Plans for the Sacramento River and San Joaquin River Basins and Tulare Lake Basin. On 7 September 2022, the State Water Board approved the BPA. The administrative record package was submitted for review to the Office of Administrative Law on 30 October 2023. The Office of Administrative Law approved the administrative record package on 14 December 2023. The administrative record package will be submitted for review and approval to United States Environmental Protection Agency for final approval.

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

As a commitment to providing government-to-government meetings, Board staff host semi-annual hybrid meetings to provide project updates to tribes and their representatives as well as to solicit input to incorporate into the Board's approach. Board staff hosted the most recent meeting on 2 November 2023.

Board staff continued meeting with tribes who submitted TBU designation requests to review their request, discuss evidence submitted, and provide an opportunity to establish continued collaboration. Meetings will continue to be held and offered throughout the TBU designation process.

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

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

BIOSTIMULATORY/BIOINTEGRITY POLICY DEVELOPMENT

The State Water Board is developing a statewide plan for bio stimulatory substances and cyanotoxins under the Biostimulation, Cyanotoxins, and Biological Condition Provisions (Provisions). Bio stimulatory substances are excess nutrients, primarily nitrogen and phosphorus, that cause harmful aquatic plant and algal growth. Biological condition refers to using small invertebrates and algal diversity and abundance to indicate ecological health. The Provisions may include numeric or narrative water quality objective(s) for bio stimulatory substances and controls for point and non-point sources applicable statewide to streams, rivers, lakes, and reservoirs.

Board staff are managing a contract with the Southern California Coastal Water Research Project (SCCWRP) to develop technical analyses that are focused on Central Valley streams, lakes, and reservoirs. SCCWRP’s streams work is focused on physically modified and constructed channels, and Northern California intermittent streams. SCCWRP’s final deliverable for the streams analyses was provided to the State Water Board staff for support of their policy preparation efforts. For lakes and reservoirs, Board staff is working with SCCWRP staff to develop a data dashboard depicting eutrophic condition of lakes and reservoirs.

More information on [State Water Board’s Provisions](#) can be found on the website at

(https://www.waterboards.ca.gov/water_issues/programs/biostimulatory_substances_biointegrity/).

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PROGRAM (NPDES)

GENERAL ORDER ENROLLMENTS

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. The NPDES tables below summarize the Notices of Applicability issued for Fiscal Year 2023/2024 for the period of 15 November 2023 to 17 January 2024 for the General Waste Discharge Requirements/NPDES Permit for Limited Threat Discharges to Surface Water (Limited Threat General Order), Waste Discharge Requirements for Municipal Waste Dischargers that Meet Objectives/Criteria at the Point of Discharge to Surface Water (Municipal General Order), and Waste Discharge Requirements for Cold Water Concentrated Aquatic Animal Production Facility Discharges to Surface Water (CAAP General Order).

NPDES PERMIT Table 1 – Limited Threat Discharges to Surface Waters R5-2022-0006-02

Facility	General Order Permit Number
Jackson Family Investments, Clear Lake Hitch Project	R5-2022-0006-030

NPDES PERMIT Table 2 – Municipal General Orders R5-2023-0025

Facility	County	General Order Permit Number
City of Jackson Wastewater Treatment Plant	Amador	R5-2023-0025-002

NPDES PERMIT Table 3 – CAAP General Order R5-2019-0079

Facility	County	General Order Permit Number
Mount Lassen Trout Farms, Inc., And Shirley Davis; Mount Lassen Trout Farms' Jeffcoat East Facility	Tehama	R5-2019-0079-014
Mount Lassen Trout Farms, Inc., and Shirley Davis; Mount Lassen Trout Farms' Jeffcoat West Facility	Tehama	R5-2019-0079-015
Mount Lassen Trout Farms, Inc., and The Dale Family Partnership; Mount Lassen Trout Farms' Dales Facility	Tehama	R5-2019-0079-016
Mount Lassen Trout Farms, Inc., and Pacific Gas and Electric Company; Mount Lassen Trout Farms' Millseat Facility	Shasta	R5-2019-0079-017
Mount Lassen Trout Farms, Inc., and Pacific Gas and Electric Company; Mount Lassen Trout Farms' Volta Facility	Shasta	R5-2019-0079-018
California Department of Fish And Wildlife, Darrah Springs Fish Hatchery,	Shasta	R5-2019-0079-019

PERMITTING INITIATIVES

The responsibility of the Program Managers for the Non-15, Title 27, and Water Quality Certifications program to discuss/provide updates on major permitting initiatives undertaken by the Regional Board or that the State Water Board is working on where the Central Valley Water Board has a significant role to play – such as the Utility General Order and the Statewide Restoration General Order, both of which involve the Water Quality Certifications Program.

GENERAL ORDERS UNDER DEVELOPMENT

Waste Discharge Requirements (WDR) Program

Three general groups of discharges have been identified that are similar in nature and include a significant number of backlogged permits that need to be updated. The three groups include: domestic wastewater treatment plants that treat more than 100,000 gpd (mid-sized domestic), nut processing (walnut, pistachios, and almonds) operations, and fruit and vegetable packing operations. Each of the Central Valley offices will take the lead in developing one of these General Orders. Redding staff will draft the Mid-sized Domestic General Order, Rancho Cordova staff will draft the Nut Processing General Orders, and Fresno staff will draft the Fruit and Vegetable Packing General Order.

The adoption of the new General Orders will not only result in increased regulatory consistency, but will also significantly reduce the permitting backlog within the WDR Program.

IRRIGATED LANDS REGULATORY PROGRAM (ILRP)

(ILRP) QUARTERLY STAKEHOLDER MEETINGS

The last ILRP stakeholder meeting was held on 31 January 2024, as a Zoom meeting. The primary topics of discussion were a draft workplan for acceptable AR ranges and the preliminary correlation of nitrogen efficiency to management practice implementation.

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

(https://www.waterboards.ca.gov/centralvalley/water_issues/irrigated_lands/regulatory_information/stakeholder_advisory_workgroup/).

DRINKING WATER WELL MONITORING OUTREACH

All ILRP enrollees are required to monitor drinking water wells on enrolled parcels for nitrate plus nitrite as nitrogen. This started with members of the East San Joaquin Water Quality Coalition and Tulare Lake Basin Coalitions in 2019 and 2020, respectively. Members of the San Joaquin & Delta, Grasslands and Westside San Joaquin River Coalitions started monitoring in 2021, and members of the Rice Commission and Sacramento Valley and Westlands Water Quality Coalitions in 2022.

Board staff is tracking notification submittals and conducting follow-up as needed to ensure members/landowners with wells exceeding the nitrate drinking water standard are notifying users of the impacted wells. Between 1 November and 31 December 2023, 892 samples were submitted to GeoTracker by 527 agricultural coalition members/landowners. Approximately 11 percent of the samples exceeded the drinking water standard. During the same period, staff sent emails/phone calls to members reminding them of the notification requirement. Out of 4,187 drinking water well exceedances staff has received 4,168 notification responses. Staff continue to follow up with phone calls, emails, letters, and notices of violation, as necessary, for inadequate notification action.

Region-wide, this effort has resulted in 21,332 nitrogen samples being collected and entered into GeoTracker for over 13,305 wells, with approximately 31% of the wells exceeding the nitrate drinking water standard (as of 31 December 2023).

ON-FARM INSPECTIONS FOR GENERAL ORDER COMPLIANCE

The purpose of on-farm inspections is for Board staff to visit coalition-enrolled farms and discuss water quality-related issues with growers. These inspections include staff review of the farm evaluations, irrigation and nitrogen management plans, and sediment and erosion control plans. Board staff inspects the site conditions, including potential discharge points to surface waters, pollution management practices, chemical storage and handling areas, and wellhead protection practices. Coalition areas not shown had no on-farm inspections during the reporting period.

Coalition Area	On-Farm Inspections 1 November – 31 December
Sacramento Valley Water Quality Coalition	1
San Joaquin County & Delta Water Quality Coalition	2
Kings River Water Quality Coalition	1
Total	4

WATER CODE SECTION 13260 DIRECTIVES

Staff sent 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.

Coalition Area	Directive Letters sent 1 November- 31 December
Sacramento Valley Water Quality Coalition	6
Total	6

NOTICES OF VIOLATION FOR FAILURE TO RESPOND TO SECTION 13260 DIRECTIVES

Notices of Violation (NOVs) were sent to those who did not respond to a Directive letter. Failure to respond to the NOV subjects the discharger to further enforcement actions which may include an administrative civil liability order. Coalition areas not shown had no directives mailed during the reporting period.

Coalition Area	NOVs sent 1 November- 31 December
Sacramento Valley Water Quality Coalition	11
Total	11

NOTICES OF VIOLATION FOR FAILURE TO SUBMIT A MEMBER REPORT

Notices of Violation (NOVs) were sent to coalition members for failure to submit their member report(s) by the Board-approved deadlines. Members who did not respond to our reminder letters were issued NOVs urging them to promptly provide their report(s) to their respective coalitions or potentially face monetary penalties. Coalition areas not shown had no directives mailed during the reporting period.

Coalition Area	NOVs sent 1 November 2023 – 31 December 2023
Sacramento Valley Water Quality Coalition	61
San Joaquin County & Delta Water Quality Coalition	58
Kern River Watershed Coalition Authority	10
Kings River Watershed Coalition Authority	27
Tule Basin Water Quality Coalition	21
Total	177

ENFORCEMENT FOLLOW-UP

ILRP staff continues to conduct significant compliance and outreach efforts associated with obtaining appropriate enrollment in the program and ensuring late member reports are submitted to the coalitions. During this reporting period, staff continued to follow up with members for late reporting by issuing Notices of Violation (NOVs). Staff issued Directive letters to those who dropped membership for non-payment. NOVs were sent to those who did not respond to the Directive letters. Staff also completed several on-farm inspections to evaluate compliance with program requirements. There is no enforcement occurring beyond NOVs currently. Staff work closely with the agricultural water quality coalitions throughout the compliance and enforcement process.

SACRAMENTO RIVER WATERSHED COALITION GROUPS

ILRP Acronyms

Acronyms	Meaning
AMPINAR	Annual Management Practice Implementation and Nitrogen Management Report
AMR	Annual Monitoring Report
HVA	High Vulnerability Area
GQTM	Groundwater Quality Trend Monitoring

CALIFORNIA RICE COMMISSION

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
12/20/2023	AMR	Under review	

SACRAMENTO VALLEY WATER QUALITY COALITION

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
5/1/2023	5-Year GQTM	Under review	Staff review complete
10/24/23	2023 HVA Update	Under review	
12/1/23	2022 AMPINAR	Under review	

SAN JOAQUIN RIVER WATERSHED COALITION GROUPS

ILRP Acronyms

Acronyms	Meaning
AMR	Annual Monitoring Report
AMPINAR	Annual Management Practice Implementation and Nitrogen Application Report
GW	Groundwater
GQTM	Groundwater Quality Trend Monitoring
MPU	Monitoring Plan Update
MPCR	Management Plan Completion Request

EAST SAN JOAQUIN WATER QUALITY COALITION

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
12/18/23	MPCR	Under review	

SAN JOAQUIN COUNTY AND DELTA WATER QUALITY COALITION

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
11/14/23	Algae MPIR template	Approved 12/5/23	
11/30/23	AMPINAR	Approved 1/2/24	
12/17/23	Mgt Plan Completion Request	Approved 1/12/24	

WESTSIDE SAN JOAQUIN RIVER WATERSHED COALITION

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
11/30/23	AMPINAR	Under review	
12/15/23	MPU 2024-25	Under review	

GRASSLAND DRAINAGE AREA COALITION

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
11/30/23	AMPINAR	Approved 12/27/23	

TULARE LAKE BASIN COALITION GROUPS

ILRP Acronyms

Acronyms	Meaning
QAPP	Quality Assurance Project Plan
SQMP	Surface Water Quality Management Plan
CGQMP	Comprehensive Groundwater Quality Management Plan
WY	Water Year

BUENA VISTA COALITION

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
12/4/2023	2023 QAPP Update	Pending Review	

CAWELO WATER DISTRICT COALITION

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
08/30/2023	2022 Annual Monitoring Report	Review issued 11/21/2023	
11/10/2023	Pesticide Evaluation Protocol 2024 Update	Conditionally Approved 1/9/2024	

KAWEAH BASIN WATER QUALITY ASSOCIATION

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
08/31/2023	2022 WY Annual Monitoring Report	Review issued 12/21/2023	Revised submittal requested by 2/16/2024
08/31/2023	SQMP Exemption Request	Approval issued 11/3/2023	

KERN RIVER WATERSHED COALITION AUTHORITY

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
08/31/2023	CGQMP Annual Status Report	Review issued 12/8/2023	
08/31/2023	2022 Annual Monitoring Report	Review issued 11/17/2023	

WESTSIDE WATER QUALITY COALITION

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
08/01/2023	SQMP Completion Request	Approved 12/19/2023	

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.

Staff observed that there are several EDD data sets that have not been fully uploaded to CEDEN. Staff and OIMA are working to reconcile those missing records. As of this EO report date, 22 in arrears data sets are pending upload to CEDEN.

GRASSLAND BYPASS PROJECT

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
12/20/2022	QAPP Update	Comments provided, waiting for revision	
9/14/2023	Sediment Toxicity Source Identification Memo	Approved 1/9/24	
10/18/2023	PEP 2024 Update	Approved 11/29/23	
10/31/2023	Technical Report for 13267 Order	Under review	

RICE PESTICIDES PROGRAM

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
12/19/2023	Annual Monitoring Report	Under review	

DAIRIES/CONFINED ANIMAL FACILITIES

ANNUAL INSPECTION PROGRESS

The number of confined animal facility inspections completed recently is typically reported in the enforcement report below. Since the start of the 2023 fiscal year, the Sacramento Confined Animals Unit has conducted 71 inspections, and the Fresno Confined Animals Unit has conducted 43 inspections, for a total of 114. The annual performance target for fiscal year 2023/2024 is 275 inspections.

DAIRY DIGESTERS/DAIRY POND LINER DESIGN REPORTS

Dairy digester projects usually begin as a double lined pond that once constructed is covered and converted to a digester. Staff have taken active role as Technical Advisory Committee members in the review of several dairy digester project proposals submitted to the California Department of Food and Agriculture (CDFA) under a competitive grant application process. CDFA's Dairy Digester Research and Development Program (DDRDP) provides financial assistance for the installation of dairy digesters, which will result in reduced greenhouse gas emissions from manure generated on California dairy farms. Financial assistance for the installation of dairy digesters comes from California Climate Investments, a statewide initiative that uses Cap-and-Trade program funds to support the state's climate goals. CDFA and other state agencies are investing these

proceeds in projects that reduce greenhouse gas emissions and provide additional benefits to California communities. Twenty-seven (27) applications were received last year and were reviewed for a total funding request of approximately \$35.4 million. Grant recipients were announced in October 2022, awarding 14 projects totaling \$18.7 million in grant funding. The application period for 2023 closed August 28th and awarded grants are anticipated to be announced in December 2023.

Information about the Dairy Digester Research and Development Program projects is available at [CDFA - OEFI - Dairy Digester \(ca.gov\)](https://www.cdffa.ca.gov/oefi/ddrdp/)

(<https://www.cdffa.ca.gov/oefi/ddrdp/>).

Staff reviews design reports related to the digester pond double-liners at dairies to ensure they are protective of water quality. Since the start of the 2023 fiscal year, staff has reviewed and issued approvals letters for 24 double-lined pond related reports.

ANNUAL REPORTS

The bovine and dairy annual reports are due by 1 July of each year. Poultry reports are due 1 August of each year. The Sacramento office received their dairy, bovine, and poultry reports. Notices of Violation (NOVs) were mailed out in September 2023, October 2023, and January 2024 for dairies, bovine, and poultry facilities, respectively.

The Fresno office received their annual dairy, bovine, and poultry reports. NOVs were mailed out in October 2023 and December 2023, for dairies and bovine facilities, respectively.

ALTERNATIVE MANURE MANAGEMENT

CDFA assembled a Manure Recycling and Innovation Product Task Force to help address the overloading of manure on crop land associated with dairies. Board Management participated in the Task Force. The Task Force released its [Final Report](#) on 10 March 2023. It can be found at

(https://www.cdffa.ca.gov/oefi/research/docs/MRIP_FinalReport.pdf).

CDFA also administers grant funding for manure management through its Alternative Manure Management Program (AMMP). Board staff participate in the program as Technical Advisory Committee members assisting in the review of grant applications. Information on the [AAMP Program](#) can be found at

(<https://www.cdffa.ca.gov/oefi/AMMP/>).

Additionally, the Dairy Plus Program, managed by CDFA, will award \$75 million from FY 23/24 to 28/29 to producers to incentivize the adoption of advanced climate-smart manure management practices that reduce both methane emissions and nutrient surplus from dairy farms in California. Board staff were part of the Technical Advisory Committee that completed review of the applications in November 2023.

PONDS INTERSECTING GROUNDWATER

Directives were issued to about 70 dairies in the spring of 2019 requiring them to determine whether there is separation between the bottoms of their ponds and the highest anticipated level of groundwater. As a result, approximately 30 dairies were subsequently required to submit workplans for remediating ponds because they did not have separation. An additional 30 directives were issued to dairies that had indicated they had adequate separation, but the determination was based on regional data. These directives required installation of piezometers to monitor depth to groundwater. The requirement to implement both the pond remediation and piezometer directives remains held pending the State Board's response to the Dairy General Order petition. There are approximately 100 additional dairies around the Region where shallow groundwater may be present.

OIL FIELD PROGRAM

WASTEWATER SURFACE PONDS

Central Valley Water Board staff (Staff) continues to work on enrolling oil field operators (operators or dischargers) under the Oil Field General Orders for Discharges to Land or individual waste discharge requirements (WDRs) and evaluating operator compliance with those that have been issued. Staff also continue to work on closure plans for oil field produced wastewater (produced water or discharge) disposal ponds. Major items completed by Staff are identified below.

- The Board adopted amended waste discharge requirements (WDRs) order number R5-2023-0053 for Hathaway LLC, Kern-Tulare Water District, and Jasmin Ranchos Mutual Water Company. The amended WDRs allow the operators to blend a higher volume of produced wastewater in reservoirs before it is used for irrigation. The amended WDRs were adopted during the Board's December 2023 meeting.
- Notices of Violation (NOVs) were issued for the following:
 - One facility on the Newsom-Windes Lease in the Midway-Sunset Oil Field, for failure to submit the required monitoring reports.
 - One facility on the Temblor Lease in the Cymric Oil Field, for failure to submit the required monitoring reports.
- Staff continue to review applications for reuse oil field produced wastewater and produced solids at oil field production facilities. The applicants have requested to use produced wastewater for dust control and produced solids as berm and road material. Staff are working with operators to answer technical questions related to the proposed discharges.
- Staff sent a No Further Action letter to an operator with a pond in the Asphaltto Oil Field. The letter stated that closure work was complete, and no additional work to close the pond was needed.
- Staff sent conditional approval letters for the closure of 10 facilities with ponds in the Coalinga, Antelope Hills, and Edison Oil Fields.
- Staff sent an approval letter for the closure of a facility with ponds in the North Belridge Oil Field.
- Staff sent an approval letter for a work plan that includes collecting soil samples and installing new liners at a facility in the Lost Hills Oil Field.
- Staff sent an approval letter for a work plan that includes conducting pond assessment work at three facilities in the North and South Coles Levee Oil Fields.
- Staff sent an approval letter for a sampling and analysis plan for a facility in the Lost Hills Oil Field.
- Staff sent a conditional approval letter for a work plan to abandon three monitoring wells in the Raisin City Oil Field.
- Staff sent a letter to an operator with inactive ponds at a facility in the Lost Hills Oil Field requiring the submittal of sampling and closure plans.
- Staff sent a letter denying an operators request to discharge to an unregulated pond in the Cymric Oil Field, where the operator lost the ability to dispose of produced wastewater into an injection well. Staff informed the operator that a report of waste discharge or notice on intent for coverage under one of the General Orders needed to be submitted for review and approval prior to initiating discharge to the pond.

- Staff continue to review applications and monitoring reports for drilling mud sumps regulated under the Statewide General Waste Discharge Requirements for Discharges to Land with a Low Threat to Water Quality (General Low Threat WDRs).
- Staff conducted five inspections for facilities in the Poso Creek, Mount Poso, and Midway-Sunset Oil Fields. The ponds at some of the facilities are used for storing oil field produced wastewater that is blended and used for irrigation. Other facilities have ponds that are in the process of closure.

SPILL RESPONSE

Staff respond to oil field spills reported to the Office of Emergency Services (OES). Staff were notified of **four** new oil field related spill events from 14 November 2023 to 11 January 2024. Major events are summarized below.

SPILL EVENTS

On 6 December 2023, Staff received OES Spill Report #23-7482 that indicated that an unknown amount of crude oil and produced wastewater was released into a dry streambed on a lease operated by Aera Energy, LLC (Aera) in the Midway-Suset Oil Field. Subsequent updates indicated that 25 barrels of the 30 barrels of crude oil and produced wastewater were discharged into the dry streambed. Staff contacted Aera by phone, and Aera staff provided photos of the spill. On 12 December 2023, Staff inspected the spill site after the cleanup activities were completed and determined that the spill cleanup was complete. Based on available information, no further action is needed.

On 11 December 2023, Staff received OES Spill Report #23-7575 that indicated that approximately 4 barrels of crude oil and 10 barrels of produced wastewater were released into a dry streambed due to a flowline leak at a CRC facility in the Kettleman North Dome Oil Field. CRC staff provided photos of the spill. On 18 December 2023, Staff inspected the spill site after the spill cleanup work was completed. Staff observed that the spill site had been cleaned up appropriately. Based on available information, no further action is needed.

On 17 December 2023, Staff received OES Spill Report #23-7694 that indicated that at a California Resource Corporation (CRC) facility in the Buena Vista Oil Field, “a group line” leaked causing the release of approximately 4.75 barrels of crude oil mixed with produced wastewater to the ground surface. The initial report indicated that a dry streambed or “blue line” was impacted. However, the report was revised to indicate that “the release did not reach a blue line or ephemeral stream.” Staff contacted CRC for additional information, and on 10 January 2024, CRC staff indicated via email that the cleanup of the spill was completed on 20 December 2023. Based on available information, no further action is needed.

On 9 January 2024, Staff received OES Spill Report # 24-0132 reported by CalGEM Central District that indicated that 4.3 barrels of produced wastewater and 0.8 barrels of crude oil had been released onto the ground surface due to a surface expression on a Chevron U.S.A. (Chevron) lease in the McKittrick Oil Field. Chevron staff indicated that the release was due to a low energy natural seep and not a surface expression. Staff will continue to work with Chevron regarding the cause and cleanup of the spill.

NO FURTHER ACTION LETTER

On 22 November 2023, Staff sent a No Further Action letter to Sentinel Peak Resources for OES spill 23-4651 on McKittrick Unit Lease in the McKittrick Oil Field. Based on available information, the necessary cleanup work has been completed, and no further action is needed.

UIC PROGRAM

During the period from 14 November 2023 to 12 January 2024, Staff of the Underground Injection Control Unit (UIC) performed the following activities:

AQUIFER EXEMPTIONS

Midway-Sunset Oil Field, Tulare Formation Aquifer Exemption – Staff and State Water Board staff met with CalGEM to discuss the conduit analysis. The conduit analysis has been completed. Staff met with State Water Board and CalGEM to discuss expectations and requirements for remediation and monitoring of potential conduits. Staff continues to provide State Water Board staff and CalGEM feedback on a draft Remediation and Monitoring Plan guidance document for operators.

Kern River Oil Field, Kern River Formation Aquifer Exemption – Staff and State Water Board staff met with CalGEM to discuss the conduit analysis. The conduit analysis has been completed. Staff met with State Water Board and CalGEM to discuss expectations and requirements for remediation and monitoring of potential conduits. Staff continues to provide State Water Board staff and CalGEM feedback on a draft Remediation and Monitoring Plan guidance document for operators.

Deer Creek Oil Field, Santa Margarita Formation Aquifer Exemption –Staff continues to provide comments to the State Water Board regarding the proposed aquifer exemption application.

Mount Poso Oil Field, Dorsey Area, Vedder Formation Aquifer Exemption – Staff and State Water Board staff met with CalGEM and the Operators to discuss the conduit analysis. The conduit analysis has been completed. Staff continue to provide comments to the State Water Board regarding the operator’s revised aquifer exemption application.

North Antelope Hills Oil Field, Tulare Formation Aquifer Exemption - CalGEM provided Staff and State Water Board staff an AE application for the Tulare Formation in the North Antelope Hills Oil Field. Staff and State Water Board staff provided its preliminary technical review to CalGEM.

UIC PROJECT REVIEWS

Staff issued one “No objection letter” and memorandum for a UIC project in the South Belridge Oil Field.

Staff sent one letter and memorandum requesting information for a UIC project in the Edison Oil Field.

SENATE BILL 4 (SB-4) PROGRAM

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

Staff completed review of one Groundwater Monitoring Report and conveyed comments to State Water Board staff. Staff is currently reviewing three groundwater monitoring reports submitted by operators that previously conducted well stimulations.

CANNABIS PROGRAM

CANNABIS GENERAL ORDER ENROLLMENT AND DEVELOPMENTS

Staff continue to enroll dischargers into our General Order and process terminations, which have increased in the past several months. On 15 December 2023, the Division of Water Quality (DWQ) administratively terminated 197 enrollments for failure to pay two years of invoices. Fees were increased again for FY23/24 and dischargers received invoices reflecting those increases. Staff are responding to questions from dischargers related to invoices and possible termination of their permits.

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

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

County	Tier 1H	Tier 1L	Tier 1M	Tier 2H	Tier 2L	Tier 2M	CE	Total Active Enrollments
Calaveras		19	1		63	3	4	90
Colusa		1			2		5	8
Contra Costa					1		6	7
El Dorado		4			3			7
Kern							3	3
Kings					2		2	4
Lake		104	1	7	178	1	47	338
Fresno					5		10	15
Merced							7	7
Nevada	1	228	4		32		21	286
Sacramento							138	138
San Joaquin							7	7
Sierra								
Solano							5	5
Shasta							26	26
Siskiyou							6	6
Stanislaus		5			1		39	45
Tulare							9	9
Yolo		5			28		3	36
Yuba							1	1
Totals	1	366	6	7	315	4	339	1038

COMPLIANCE AND ENFORCEMENT – ENROLLMENT ENFORCEMENT

- Enrollment enforcement efforts in the Ophir-Silver Road are complete. Staff are evaluating additional watersheds in Nevada County for future enrollment efforts.
- Enrollment enforcement efforts initiated in Stanislaus and Tuolumne Counties are complete, with sites being issued search warrants in Tuolumne County for those who did not respond to the 13260 Orders.

COMPLIANCE

- Oseevich follow-up inspection, 11/02/2023
- Lorenzo-Chavez Living Trust follow-up inspection, 12/01/2023
- Arreola follow-up inspection, 12/20/2023
- Law follow-up inspection, 12/20/2023

ENFORCEMENT

INSPECTION REPORTS ISSUED

Redding office:

- Amiri/Poppin enforcement follow-up inspection, IR issued 12/19/2023

CLEANUP AND ABATEMENT ORDERS

- Staff issued the draft CAO for Carlile/Barajas/Moffitt in Shasta County on 6 December 2023. Two of three responsible parties did not accept service. Staff are working with the Office of Enforcement to use a process server and ensure

that responsible parties receive the draft CAO and have the opportunity to comment.

- Draft CAO for Amiri/Poppin in Nevada County is in management review.

ENFORCEMENT REPORT

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 the government is ready, willing, and able to back up its requirements with action. This section of the EO Report is intended to inform the Board and the public on enforcement efforts since the last EO Report was issued. For this reporting period, the following sections provide: 1) a summary of enforcement orders issued; and 2) a summary of all enforcement actions issued.

STEELHEAD CREEK CLEANUP, SACRAMENTO

For the last five years, Board staff partnered with agencies to clean up a section of Steelhead Creek in Sacramento. 2023 efforts removed 86,760 pounds of trash and debris. Over the last five years, staff has also removed 493,360 pounds of trash and debris from a small section of Steelhead Creek directly upstream of the American River Parkway. The River City Water Alliance (RCWA) strongly supported these efforts over 2023 and has helped remediate a large volume of trash and debris. RCWA is a group of volunteers working to clean up trash and debris in waterways throughout Sacramento County.

In 2023, RCWA removed 1,104,313 pounds of trash and debris, coordinated 315 cleanup events, and provided 9,072 volunteer hours.

Central Valley Water Board staff hopes to partner with RCWA in 2024 to remove trash further upstream in Steelhead Creek. The increasing homeless population in Sacramento is continuing to put pressure on the urban creeks and riparian areas.

ORDERS, COMPLAINTS, AND INSPECTIONS

Enforcement Table 1, included below, provides a summary of all the Enforcement Orders (Cleanup and Abatement Orders; Cease and Desist Orders (CDOs); 13267 Investigative Orders; Expedited Payment Letters (EPLs); and Administrative Civil Liability (ACL) Orders and Complaints) that have been issued by the Central Valley Regional Board or staff since the previous EO Report and that are recorded in the California Integrated Water Quality System (CIWQS) database. For the period 1 November 2023 through 31 December 2023, 1 Order was issued.

**Enforcement Table 1 – Central Valley Enforcement Orders
1 November 2023 through 31 December 2023**

Action Date	Agency	County	Notes
11/16/23	US Bureau of Reclamation	Shasta	13267 Order issued for development and submittal of a Work Plan, including monitoring and reporting, for a failing watercourse crossing.

ENFORCEMENT ACTIONS AND ABBREVIATIONS

- 13267 – Water Code Section 13267 Investigation Order
- NNC – Notice of Non-Compliance
- ACL – Administrative Civil Liability
- CAO – Cleanup and Abatement Order
- CDO – Cease and Desist Order

- EPL – Expedited Payment Letter
- NOV – Notice of Violation
- NTC – Notice to Comply
- SEL – Staff Enforcement Letter
- TSO – Time Schedule Order
- VER – Verbal Communication

**Enforcement Table 2 – Enforcement Actions in CIWQS
1 November 2023 through 31 December 2023**

Region	13267	NNC	ACL	CAO	EPL	NNC	NOV	SEL	TSO	VER	Total
Fresno	0	0	0	0	0	0	42	0	0	0	42
Redding	1	0	0	0	0	0	11	0	0	4	16
Sacramento	0	0	0	0	3	1	11	0	0	12	27
Total	1	0	0	0	3	1	64	0	0	16	85

**Enforcement Table 3 – Enforcement Actions in GeoTracker
1 November 2023 through 31 December 2023**

Region	13267	CAO	Letter – Notice	NOV	Staff Letter	VER	Total
Fresno	0	0	1	8	41	20	70
Redding	0	0	0	0	10	1	11
Sacramento	25	0	7	8	139	16	195
Total	25	0	8	16	190	37	276

**Enforcement Table 4 – ILRP Enforcement Actions
1 November 2023 through 31 December 2023**

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 November 2023 through 31 December 2023, a summary of those enforcement actions is included in Tables 4 and 5 below.

Region	Reminder Letter for Failure to Submit Annual Member Report (Irrigation and Nitrogen Management Plan Summary Report)	NOVs for Failure to Submit Annual Member Report (Irrigation and Nitrogen Management Plan Summary Report)	Total
Fresno	0	58	58
Sacramento	0	119	119
Redding	0	0	0
Total	0	177	177

**Enforcement Table 5 – Region 5 ILRP Enforcement Actions
1 November 2023 through 31 December 2023**

Region	Reminder Letter for Failure to Enroll in ILRP	Water Code Section 13260 Letters/ Directives for Failure to Enroll in ILRP	NOVs for Failure to Respond to Directive	Total
Fresno	0	0	0	0
Sacramento	0	6	11	17
Redding	0	0	0	0
Total	0	6	11	17

CONFINED ANIMAL ENFORCEMENT

**Enforcement Table 6 – CAF Inspections
1 November 2023 through 31 December 2023**

Confined Animal Facility Inspections	
Sacramento	16
Redding	(included with Sacramento)
Fresno	15
Total	31

SIGNIFICANT ENFORCEMENT ACTIONS

SANITARY SEWER OVERFLOWS (SSOS)

Statewide General Waste Discharge Requirements for Sanitary Sewer Systems (SSS General Order) 2022-0103-DWQ requires enrollees to submit SSO technical report for any Category 1 SSO in which 1,000 gallons or greater are spilled to surface waters to the State of California’s Office of Emergency Services. For the period between 1 November 2023 through 31 December 2023, there were **two** reported SSO incidents in which 1,000 gallons or greater spilled reached surface water. Compliance and Enforcement staff follow up with all spills where 1,000 gallons or more reached surface water to ensure compliance with the spill reporting and/or monitoring requirements established in the SSS General Order.

SSO SUMMARY DATA

**Enforcement Table 7 – SSO Incidents in which 1,000 Gallons or Greater Spilled and Reached Surface Water
1 November 2023 through 31 December 2023**

Volume Reached Surface Water (gallons)	Responsible Agency
366,900	Roseville City, Dry Creek CS
3,638	Sacramento Area Sewer District CS

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](#) at

(https://www.waterboards.ca.gov/water_issues/programs/sso/index.html).

Sewage Collection Agencies report SSOs on-line at the State Water Board’s CIWQS database pursuant to the requirements of State Water Board Order No. 2022-0103-DWQ (Statewide Waste Discharge Requirements, General Order for Sanitary Sewer Systems).

COMPLAINT RESPONSE TRACKING

Central Valley Regional Board staff are responsible for responding to complaints related to water quality within the Central Valley Region as they are received. From 1 November 2023 through 31 December 2023, Central Valley Water Board staff have received a total of **15 complaints** from phone calls, emails, and from the CalEPA Complaint database. To date, **14 (93%) complaints** have been investigated and closed or referred to other environmental enforcement agency. Investigations into **one** complaint remain ongoing.

[CalEPA Complaint database](#)

(<https://calepacomplaints.secure.force.com/complaints/>).

ADMINISTRATIVE CIVIL LIABILITY ACCOUNTING

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

COMPLIANCE PROJECT (CP)

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

SUPPLEMENTAL ENVIRONMENTAL PROJECT (SEP)

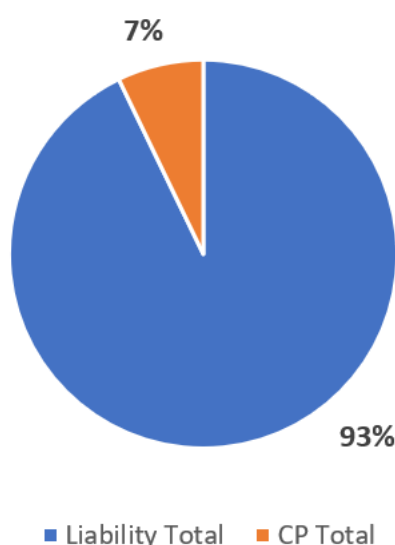
A settling party may offset a portion of the monetary liability of an ACL penalty by voluntarily choosing to fund SEP that enhance the beneficial uses of the waters of the State, provide a benefit to the public at large, and that, at the time they are included in an ACL action, are not otherwise required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

ENHANCED COMPLIANCE ACTION (ECA)

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

For the fiscal year period between 1 July 2023 through 31 December 2023, the chart below summarizes total monetary penalties that were issued by the Central Valley Water Board. A total of \$566,588 in monetary penalties (Liability payable to CAA, CP and SEP) were issued during this period, of which \$42,000 was allocated for CPs and \$23,357 was allocated for SEPs (see Enforcement Figure 2 below).

Monetary Penalties Issued between 1 July 2023
and 31 December 2023



Enforcement Figure 1: Region 5 – Sum of Total Monetary Penalties Issued during the fiscal year 1 July 2023 through 31 December 2023

CLEANUP SUCCESSES

Enforcement Table 7 Summary of Cleanup Successes for the period covering 1 November 2023 through 31 December 2023

Programs	Actuals: Permits or Issued	% Complete = Actuals/ Original Target	Revised Target	Total # of Permits Issued
New DoD Sites into Active Remediation	0	0%	NA	NA
New SCP Sites into Active Remediation	1	38%	NA	NA
Cleanup Program Sites Closed	5	50%	NA	NA
New UST Sites into Active Remediation	0	0%	NA	NA
Underground Storage Tank Sites Closed	0	0%	NA	NA

SITE CLEANUP PROGRAM SUCCESSES

SACRAMENTO

CALDWELL FLYING SERVICE, 5664 HANKINS ROAD WILLIAMS, COLUSA COUNTY

The facility on Site has been used by multiple crop-dusting businesses since the early 1970s. Rinse water from the former aircraft wash pad system previously drained into an unlined ditch that flows to the north. Historical releases of chemical-containing rinsate to the environment ended when the previous Site owner began using the new wash pad system in 1992. The March 2023 groundwater analysis did not detect pesticide impacts in samples from the on-Site well and from the well on the neighboring property to the north. Results from the historical soil analysis showed that the pesticide impacts that exceeded direct exposure ESLs were limited to the shallow soil around B-3 and therefore currently pose a low risk to human health. For these reasons, Central Valley Water Board staff has concluded that this case warrants “No Further Action.”

REDDING

VILLAGE PLAZA CLEANERS, 2325 ATHENS AVENUE, REDDING, SHASTA COUNTY

The Village Plaza Cleaners case involved a suspected release of chlorinated ethenes associated with former dry-cleaning operations detected in groundwater in 2008. Further site characterization found PCE existed in sub-slab soil vapor samples and in groundwater. In 2009, the first phase of upgrades to the building’s air handling systems were completed to improve ventilation, resulting in a decreased estimated lifetime carcinogenic risk. In May 2021, Staff requested additional monitoring to confirm vapor intrusion had been adequately addressed and to assess groundwater concentrations. In 2022 and 2023, sub-slab soil gas and co-located indoor samples were collected. PCE was detected in soil gas above the commercial/industrial Environmental Screen Level, however PCE detections in indoor air samples were less than the DTSC commercial and residential Human Health Risk Assessment Note 3 goals. Per the Final Draft Vapor Intrusion Supplemental Guidance, the Discharger calculated a site-specific attenuation factor and determined based on 2022/2023 sub-slab concentrations that indoor air PCE goals would consistently be met. In 2022, additional modifications to the air handling systems were implemented including adjusting outside air exchange and creating positive indoor building pressure. During the most recent groundwater sampling event, cis-1,2-DCE was the only constituent detected above its MCL and is expected to degrade with time. There are no public water supply wells located within a mile of the

Site. The case was closed on 22 December 2023 with the issuance of a No Further Action Required letter.

EMERGENCY RESPONSE ACTIVITIES

The Central Valley Water Board routinely receives and responds to the Governor’s Office of Emergency Services (OES) Hazardous Material Spill Reports (Spill Reports). The Redding office has tasked four staff in our office in receiving and if necessary, responding to these OES spill reports. Table 1 provides a summary of spill reports received by the Central Valley Water Board’s Redding office between 1 November 2023 through 31 December 2023

**Emergency Response Activities Table 1
Spill Reports Received by the Central Valley Water Board’s Offices
Between 1 November 2023 through 31 December 2023**

	Total Spill Reports Received	Total Spill Reports that Required No Action	Total Spill Reports that Required Follow up	Total Spill Reports that Required Further Actions
Sacramento	147	130	17	0
Redding	18	15	3	3
Fresno	79	73	6	0

SPECIAL FOCUS AREAS

DELTA ACTIVITIES

DELTA REGIONAL MONITORING PROGRAM (DELTA RMP)

Board staff continued to attend Steering Committee and other Delta RMP meetings to provide support for the program and implementation and for Board Resolution R5-2021-0054.

Board staff continued participation in the Delta RMP’s Technical Advisory Committees (TAC). Board staff participated in the development of a multi-year nutrient study plan based on needs identified in the Delta Nutrient Research Plan (modeling future nutrient scenarios, controlled nutrient and phytoplankton growth studies and harmful algal bloom monitoring). The draft study plan is currently under review and discussion by the Delta RMP Steering Committee.

DELTA NUTRIENT RESEARCH PLAN

Board staff are implementing the Delta Nutrient Research Plan (Resolution R5 2018-0059) through special studies and in coordination with the Delta Regional Monitoring Program’s focus on nutrients.

- Board staff continued work on a Proposition 1 grant-funded project monitoring cyanotoxins in clams and water in the Delta. Sampling for the 2023 bloom season finished in October. Board staff continued preparing project data for submission to the CEDEN database.
- Board staff are collaborating with the State Board Division of Water Rights, the Department of Water Resources (DWR), and Bend Genetics to compare abundance and type of cyanobacteria cells that rest through winter in sediment at different locations in the Delta. Sampling began in November and continues monthly. The goal of the project is to better understand resting populations and the potential areas for bloom initiation to inform management and mitigation strategies.
- A paper on a study of factors affecting harmful algal blooms in the Stockton waterfront was published in the Journal of Environmental Management ([Preece](#))

[et al., 2024](#)). Board staff participated in this study in 2022 and coauthored the paper with staff from DWR and others. Restore the Delta contributed sample collection efforts and cyanobacteria toxin data. In 2022, the bloom was intense at the east end of the waterfront (McLeod Lake) and less so in the Deep Water Ship Channel and the lower San Joaquin River. At all sites, nutrient concentrations exceeded levels that would be needed to support cyanobacteria growth. The study indicated physical characteristics of the waterfront, earlier increase in water temperature, and possibly nutrient recycling contributed to the waterfront bloom.

NITRATE CONTROL PROGRAM – EARLY ACTION PLAN DRINKING WATER IMPLEMENTATION

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). [Adoption Resolution with Final Staff Report and Basin Plan Amendment language](#) can be found on the following CV-SALTS webpage at

(https://www.waterboards.ca.gov/cvsalts/salt_nitrate_bpa/).

As required by the Nitrate Control Program, Early Action Plan (EAP) implementation to provide safe drinking water to impacted communities began on 07 May 2021. As of 11 January 2024, Priority 1 Management Zones have collectively reported the following metrics:

Table 1. Priority 1 Management Zone (MZ) Program EAP Implementation Totals (as of 11 January 2024)

EAP Metric	Total (all MZs)	Turlock/ Modesto	Kings	Kaweah	Tule	Chowchilla
Initial Estimate of Impacted Wells	~13,000	>5,000	>5,000	<1,000	<1,000	<1,000
Inquiries/Interest/calls	12,201	2,385	2,720	3,493	3,460	143
Testing Applications Submitted	4,451	1,150	2,488	310	424	79
Referred to Other Programs	743	211	271	81	170	10
Eligible Applications	3,559	939	2,067	229	254	69
Not Yet Responded	978	131	759	21	41	26
Wells Tested/ Scheduled/ Known	2,068	672	924	220	197	55
Above 10 mg/L	1,105	441	397	182	73	12
Average Percent over 10 mg/L	53%	66%	43%	83%	37%	22%
Households receiving bottled water	1,273	490	503	181	81	18
Fill Station (FS) Locations	8	0	3	2	3	0
FS Average Gallons per Day	782	0	297	126	358	0
Total Households/ equivalents	1,664	490	652	244	260	18

Management Zones in the Priority 1 basins submitted Management Zone Implementation Plans (MZIPs) to the Central Valley Water Board on 5 September 2023. Staff reviewed these documents to determine if they meet the Basin Plan requirements and the Executive Officer issued a letter finding that all six Priority 1 MZIPs are complete. [Management Zone Implementation Plans](#) can be found at

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

On 29 December 2023, Notices to Comply were sent to dischargers in Priority 2 subbasins to begin Nitrate Control Program implementation. Notices of Intent are due to the Central Valley Water Board no later than 26 February 2025. For permittees that select to participate in a Management Zone, a Preliminary Management Zone Proposal and Early Action Plan are due to the Central Valley Water Board no later than 28 December 2024.

SURFACE WATER AMBIENT MONITORING PROGRAM (SWAMP)

LOWER AMERICAN RIVER BENEFICIAL USE ASSESSMENT

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

(<https://arcg.is/1LXHmf0>).

SWAMP also coordinated with local agencies on a study to identify the sources of fecal pollution to the Lower American River. To make the most of limited resources and collect a high-resolution dataset, the study was conducted in two phases. Phase 1 of the study was completed in 2020 and targeted the 3-mile reach from Paradise Beach to Sutter's Landing Regional Park. Monitoring for Phase 2 was completed in 2022 and focused on dry weather sources in the river reach from Sutter's Landing Regional Park to the confluence with the Sacramento River.

Microbial source tracking (MST) analysis of samples with elevated *E. coli* indicated that birds are the largest and most consistent source of contamination in this section of the river. Dogs are also a source of contamination in some areas, while humans were not a significant or consistent source during the study period. More information is available in the [Phase 1 Data Summary](#) at

(https://www.waterboards.ca.gov/centralvalley/water_issues/swamp/lar_ph1_ds.pdf).

and [Phase 2 Data Summary](#) at

(https://www.waterboards.ca.gov/centralvalley/water_issues/swamp/lar_ph2_21.pdf).

SUMMER 2023 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. Limited monitoring was conducted in 2023 due to high river levels and unsafe conditions. Staff will also conduct a microbial source tracking study next year in the Squirrel and Wolf Creek watersheds in Nevada County.

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

(https://www.waterboards.ca.gov/centralvalley/water_issues/swamp/r5_activities/2021_r_bua/).

CYANOBACTERIA AND HARMFUL ALGAL 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. In 2021, the FHAB program released the California Water Boards' Framework and Strategy for Freshwater Harmful Algal Bloom

Monitoring (FHAB Monitoring Strategy). Board staff have begun implementing the FHAB Monitoring Strategy in the Central Valley through the development of partner monitoring efforts.

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 located on the California Water Quality Monitoring Council's

[My Water Quality webpage](https://mywaterquality.ca.gov/index.html) at

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

The [FHAB Monitoring Strategy](https://ftp.sccwrp.org/pub/download/DOCUMENTS/TechnicalReports/1141_FHABStrategy_FullReport.pdf) full report can be found at

(https://ftp.sccwrp.org/pub/download/DOCUMENTS/TechnicalReports/1141_FHABStrategy_FullReport.pdf).

And the FHAB Monitoring Strategy [Executive Synthesis](https://ftp.sccwrp.org/pub/download/DOCUMENTS/TechnicalReports/1141_FHABStrategy_Synthesis.pdf) and [Factsheet](https://ftp.sccwrp.org/pub/download/DOCUMENTS/FactSheets/1141_FHABStrategy_FactSheet.pdf) can be found at

(https://ftp.sccwrp.org/pub/download/DOCUMENTS/TechnicalReports/1141_FHABStrategy_Synthesis.pdf) and

(https://ftp.sccwrp.org/pub/download/DOCUMENTS/FactSheets/1141_FHABStrategy_FactSheet.pdf).

The purpose of the HABs Portal is to provide readily accessible and easy-to-understand information to the public on the environmental and human health effects from HABs. Resources available include a map showing locations where HABs have been reported, fact sheets on identifying cyanobacteria blooms, and guidance on healthy habits the public can take to protect themselves and their pets from HABs. For health departments and water body managers, the portal includes guidance documents on sampling and posting advisory signs, sign templates, and information on control and treatment options.

When human or animal illnesses or deaths are reported, an interagency HAB illness team investigates each case. The team is comprised of the California Department of Public Health, the Office of Environmental Health and Hazard Assessment, the State Water Board, and the California Department of Fish and Wildlife. Using case specific information, the team determines whether each case may have been caused by HABs or whether the incident was due to other causes. Cases that are suspected to be HAB related are reported to the Centers for Disease Control and Prevention (CDC) at [One Health Harmful Algal Bloom System](https://www.cdc.gov/habs/ohhabs.html)

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

More information on how freshwater [HAB related illness](https://mywaterquality.ca.gov/habs/hab-related_illness.html) tracking in California can be found at

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

The FHAB staff have begun planning for the 2024 bloom season by meeting with monitoring partners and identifying available resources.

CENTRAL VALLEY CYANOBACTERIA AND HARMFUL ALGAL BLOOMS

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

A summary of HABs reported as of 12 January 2024 is provided in Cyanobacteria Table 1 below.

HABs Table 1. Bloom Summary of active advisories (as of 12 January 2024)

Category	Count
Number of locations with active caution advisories ¹	0
Number of locations with active warning advisories ¹	0
Number of locations with active danger advisories ¹	1

Table Notes:

¹ The FHAB Program defines an active advisory as one with a confirmed observation within the last 30 days, in this case, all observations since 13 December 2023. Advisory levels are based on the FHAB Trigger levels for signage posting. This [guidance for planktonic blooms](#) is found at

(https://mywaterquality.ca.gov/habs/resources/habs_response.html#posting_guidance)

and for [benthic blooms](#) is found at

(https://mywaterquality.ca.gov/habs/resources/benthic_posting_guidance.html).

GRANT OVERSIGHT

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

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

(www.waterboards.ca.gov/water_issues/programs/nps/319grants.shtml).

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

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

The Delta Conservancy will develop, certify, and implement Farm Water Quality Improvement Plans through the Fish Friendly Farming Program to reduce the generation and transport to waterbodies of agricultural chemicals, sediment, and nutrients from sites within the Sacramento/San Joaquin Delta. (Closing 2/28/2024)

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

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

LAKE COUNTY WATERSHED-BASED NONPOINT SOURCE MANAGEMENT PLAN (\$145,098)

The County of Lake is developing the Lake County Watershed-Based Nonpoint Source Management Plan (Watershed Plan) to identify and prioritize management practices that will capture, retain, and limit nonpoint source pollutant loads from stormwater runoff in Lake County to improve the water quality of tributaries to Clear Lake and other waterbodies within Lake County. (Closing 1/31/2025).

OUTREACH

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

On 14 November 2023 and 12 December 2023, Adam Laputz and Angela Llaban met with dischargers of nitrate in the Yolo Subbasin (Priority 2) to discuss CV-SALTS and Nitrate Control Program requirements.

*On 16 November 2023, Adriana Ross virtually participated in the Identifying Violations Affecting Neighborhoods (IVAN) Tulare Task Force monthly meeting. This is a community-based meeting focusing on environmental justice issues experienced by underserved communities in the Central Valley.

*On 16 November 2023, Patrick Pulupa, Adam Laputz, Angela Llaban, and Hannah Dailey attended the CV-SALTS Executive Committee Meeting regarding implementation of the Salt and Nitrate Control Programs.

*On 7 December 2023, Adriana Ross virtually attended the hybrid the Blue-Ribbon Committee for the Rehabilitation of Clear Lake. This is a bi-monthly meeting consisting of 15 members, including representatives from Tribes, Lake County, UC Davis, and the Central Valley Water Board.

*On 7 December 2023, Central Valley Water Board Members Mark Bradford and Denise Kadara, Patrick Pulupa, Adam Laputz, Meredith Howard, Angela Llaban, Jennie Fuller, True Khang, Cindy Au-Yeung, and Hannah Dailey held a public workshop (via Zoom and YouTube livestream) on the Nitrate Control Program Management Zone Implementation Plans. Topics included CV-SALTS regulations and timelines, an overview of Management Zone Implementation Plans and current outreach, and public comments from Environmental Justice representatives and stakeholders.

On 7 December 2023, Jessa Rego presented the ILRP drinking water monitoring program and other program information to the Sacramento Valley Water Quality Coalition Napa sub watershed group through an online format.

*On 8 December 2023, Adriana Ross virtually attended the Tribal Beneficial Uses (TBU) Designation Process. A meeting coordinated by tribes, the Water Boards Office of Public Participation (OPP) Director, Tribal Specialists, and Tribal Coordinators were invited as guests. The Water Boards Team discussed with tribal representatives the TBU process to better understand the challenges taking place statewide. It was a meeting for the Water Board team and tribes to begin conversations on potential solutions to improve the TBU designation process.

On 13 December 2023, Cannabis staff presented on the 13260, 13264 and 11358(d)(3)(B) in Nevada County to District Attorneys, Law Enforcement, and CalEPA.

On 19 December 2023, Cannabis staff presented an online outreach to multiple counties on the termination process and the Change of Information (COI) form. Cannabis staff have also worked with Office of Public Participation to create recordings of the Introduction to the Cannabis General Order presentation in Hmong and Spanish. Staff have uploaded English, Hmong, and Spanish presentation videos to YouTube and linked them to the R5 Cannabis webpage.

*On 19 December 2023, Meredith Howard, Lauren Leles, Janaé Bonnell, and Sajleen Phagura met with Buena Vista Rancheria to discuss their Tribal Beneficial Use designation request and future water quality monitoring efforts.

On 4 January 2024, George Low, a Senior Engineering Geologist with the Central Valley Water Board’s Redding office, participated in a Local Emergency Planning Committee (LEPC), Region III meeting. LEPC Region III is comprised of Butte, Colusa, Glenn, Lassen, Modoc, Plumas, Shasta, Sierra, Siskiyou, Sutter, Tehama, Trinity, and Yuba counties. The purpose of the LEPC meetings is to provide a forum for emergency

management agencies, responders, industry, and the public to work together to evaluate, understand, communicate, plan, and provide training for emergency response incidents resulting from chemical hazards within the Region. The Central Valley Water Board staff serve as the Environmental Primary member of the committee. This month's meeting discussed Cal OES grant updates, upcoming California Specialized Training Institute (CSTI) and other regional trainings. The meeting also included a discussion and review of the committee's By-Laws and meeting schedules and discussed membership recruitment for open member positions on the committee. Participating agencies in attendance also provided brief agency reports on incidents/activities of interest to LEPC members.

On 8 January 2024, Wastewater Consolidation (WWC) staff, Scott Perrou, participated in a project kickoff meeting for the community of Sunset Vista Estates in Kings County. Attendees at the meeting included representatives from the City of Lemoore, Kings County Division of Environmental Health Services, Self Help Enterprises (SHE), QK Engineering, Grainger Water, and the State Water Board.

*On 9 January 2024, Adriana Ross virtually attended and participated in the IVAN Fresno meeting. There was a follow-up discussion on the Lanare Dilapidated Septic Tanks. The community of Lanare was contacted on the state of their septic tanks. There will be further information in the upcoming IVAN meetings on this issue.

On 10 January 2024, Janis Cooke participated in a quarterly meeting of the Interagency Ecological Program's Water Quality and Phytoplankton Project Work Team. Information was shared about current studies and monitoring. The group also heard presentations about investigations of relationships between hydrology (floods, flow) and phytoplankton production and harmful algae growth.

On 10 January 2024, Eric Warren presented information regarding CV-SALTS and nitrate considerations during an Almond Nutrient Summit at UC Merced. The event was hosted by the Almond Board of California.

On 11 January 2024, Gurbinder Dhaliwal and Phil Carter presented a drinking water monitoring program and ILRP update to the Sacramento Valley Water Quality Coalition, Butte Yuba Sutter sub watershed group in Gridley.

On 11 January 2024, WWC staff, Scott Perrou, participated in a regionalization project meeting with the Rural Community Assistance Corporation (RCAC) and the City of Chico for 3 mobile home parks (Chico Creek MHP, Rancho Chico MHE, and Mountain View Acres MHP). The meeting provided an overview of potential funding from the Clean Water State Revolving Fund, the Planning and Design Application, and next steps.

*On 11 January 2024, Patrick Pulupa, Adam Laputz, Angela Llaban, Jennie Fuller, True Khang, and Cindy Au-Yeung attended the CV-SALTS Executive Committee Meeting regarding implementation of the Salt and Nitrate Control Programs. Topics included updates for the Nitrate Control Program, including updates on Management Zones and Management Zone Implementation Plans, the Priority 2 Basin Notice to Comply mailout, and SAFER funding of co-contaminants. Topics also included updates for the Salt Control Program, including updates on comments received on the Baseline Characterization Report, evaluating Salt Management Regions and Salt Management Areas and pilot study, the Groundwater Sustainability Plan data gathering pilot study, and the Regulatory and Policy Small Group.

*On 12 January 2024, Adriana Ross virtually attended the Tribal Beneficial Uses Strategic Planning Caucus Meeting w/ California Indian Environmental Alliance (CIEA). This was to continue open dialogue on the challenges tribes are experiencing with the TBU designation process and potentially providing the regions with statewide guidance.

* On 12 January 2024, Adriana Ross virtually attended and participated in the Medicine Lake Highlands Outstanding National Resource Waters and Tribal Beneficial Use Meeting.

*On 12 January 2024, Meredith Howard, Lauren Leles, Jessica Rader, and Sajleen Phagura met with the Pit River Tribe, Mount Shasta Bioregional Ecology Center, and Trout Unlimited to discuss the 2024 Triennial Review and the Pit River Tribe's Tribal Beneficial Use designation request.

*On 17 January 2024, Adriana Ross virtually attended and participated in a Tribal Beneficial Use Designation meeting regarding grant distribution for Region 5 tribes.

*On 31 January 2024, Adam Laputz, Meredith Howard, Bayley Toft-Dupuy, and Lauren Leles met with Enterprise Rancheria and the California Indian Environmental Alliance to discuss the regulatory process to designate a tribal beneficial use.

PERSONNEL AND ADMINISTRATION

STAFFING UPDATES – 1 NOVEMBER 2023 – 31 DECEMBER 2023

PROMOTIONS

Margaret Driver – ENV SCIENTIST

Margie Saldana – STAFF SER AN (GEN)

NEW HIRES

Angie Barajas – SCIENTIFIC AID

Walter Mobley– WATER RES CNTRL E

Tommy Herr– SCIENTIFIC AID

Melissa Buciak – ENG GEOLOGIST

Olivia Isley – ENV SCIENTIST

Michelle Delena – STAFF SVS MANGER I

Robert Hogan – ENV SCIENTIST

Thomas "Nate" Manley – ENG GEOLOGIST

Matthew Jian – ENV SCIENTIST

RETIREMENT

Glenn Meeks – SR ENGRG GEOLOGIST

Steven Meeks – SUP WRC ENG/SUP

SEPARATIONS

Ann Palmer – WATER RES CNTRL E

Dania Jimmerson – WATER RES CNTRL E

SUMMARY OF POSITIONS

Total Authorized Positions: 282.7

Total Temporary Positions: 27.0

Total Vacant Positions: 26.0

Sacramento

Authorized Positions: 155.0

Temporary Positions: 13.0

Vacant Positions: 16.0

Fresno

Authorized Positions: 79.0
 Temporary Positions: 8.0
 Vacant Position: 4.0

Redding

Authorized Positions: 48.7
 Temporary Positions: 6.0
 Vacancies: 6.0

TRAINING UPDATES – 1 NOVEMBER 2023 – 31 DECEMBER 2023

Class Title	Number of Attendees
8-Hour HAZWOPER Refresher	3
Administrative Civil Liability - Data Entry Using the CIWQS Wizard	2
Adopt a Three Step Onboarding Process	1
Advancing Racial Equity at the Waterboards Pre-Work	3
Agile Leadership	2
Avoid These Common Onboarding Pitfalls	1
Be Approachable	2
Build Relationships with Multiple Managers	1
Building Great Relationships at Work	1
Building Great Relationships with Bosses	1
California Water History: Navigating the Seven C's	1
Check in Regularly with Your New Hire	1
Coaching for Excellence	1
Communicate Your Emotions at Work	1
Communication Toolkit: Becoming a Master Communicator	1
Communication Toolkit: Communicating Across the Organization	1
CORMIX Webinar and Online Training Level 1 – Introductory Classes	1
COVID-19 Awareness	1
Critical Thinking 101	1
DE&I: Why it Matters for Leaders	2
Dealing With Difficult People and Situations: Principles of De-Escalation	1
DNA: Embrace Manager Feedback	1
DNA: Manage Up	1
Effective Internal Customer Service	1
Effective Listening in the Workplace: The Key to Positive Relationships, Productivity, and Satisfaction	1
Effective Writing Skills	1
Elements of an Effective Onboarding Plan	1
Emotional Intelligence Crash Course: Personal and Professional Relationships	1
Employee Engagement Essentials	1
Ergonomic Awareness	4
Ergonomics for Your Desk Chair	1
Excel 365 Beginner	1
Feedback is a Gift	1
Field Safety Training	1
Google Apps: Docs, Spreadsheets and Presentations for Dummies	1
How Relationships Build Influence	1
How To Listen	1
How to Motivate Employees (So That Productivity Increases)!	1
How to Start and End a Professional Email	1
How to Talk Through Miscommunication	1

Class Title	Number of Attendees
Improve Your Mental Wellness	1
Include Your Team During Onboarding	1
Incorporate Data and Figures Into Your Story	1
Injury and Illness Prevention/Hazardous Communication Training	1
Intermediate GIS: Watershed and Groundwater Basin Analysis	2
Introduction to Watershed Assessments	2
Keep Emails Clear and Focused	1
Leadership Behaviors Holding You Back	2
Leadership Fundamentals	1
Leadership: Practical Leadership Skills	2
Learn How to Prioritize Your Most Important Work	1
Manage Up with Your Manager	1
Mastering Leadership and People Skills	2
Microsoft 365 OneNote Online	1
Microsoft Teams in 30 Minutes (2021)	1
Nonverbal Communication	1
Power and Influence	1
PowerPoint 2019 Beginner	1
Practice Clear Writing	1
Presentational Speaking Crash Course: Materials	1
Professional Engineer and Geologist License Examination Preparatory Course Request Overview	2
Project Management: Framework and Processes	1
Recognize the Root Causes of Fraud	1
Reduce the Harm of Microaggression in the Workplace (Part 1 of 8): Introduction	1
Reduce the Harm of Microaggression in the Workplace (Part 2 of 8): Explore the Power Dynamics at Work	1
Reduce the Harm of Microaggression in the Workplace (Part 3 of 8): Examine Microaggression	1
Reduce the Harm of Microaggression in the Workplace (Part 4 of 8): Nurture Psychological Safety	1
Reduce the Harm of Microaggression in the Workplace (Part 5 of 8): Use Microaffirmation Proactively	2
Reduce the Harm of Microaggression in the Workplace (Part 6 of 8): Address Microaggressions Through Feedback	1
Reduce the Harm of Microaggression in the Workplace (Part 7 of 8): Restore the Harm	1
Reduce the Harm of Microaggression in the Workplace (Part 8 of 8): Conclusion	1
Respect at Work	1
Respect Others' Attention	1
Respect Others' Time	1
Respond to Unethical Behavior	1
Set a Routine for Updating Your Manager	1
Small Acts of Leadership: Intentional Skills for Big Impact	1
Statistical Formulas for Excel Data Analysis	1
Stay Interviews: Retaining Top Performers	1
Supervisor and Manager Training - SEIU MOU Updates	2
Tailor Your Writing to Your Audience	1
Teamwork	1
The 5 Generations: Gen Z	1
The Impact of Disability Inclusion on Workplace Productivity	1
The Science of Bias	1
The Small Exclusions That Happen in a Non-Inclusive Culture	1
The Warning Signs of Potentially Violent Individuals	1

Class Title	Number of Attendees
Time Management Overview	1
Track Down an Email Instantly	1
Unconscious Bias in Leadership Theories	1
Understand Your Manager's Communication Preferences	1
Understanding Gender Bias: Micro-course	1
Understanding the Scars of Diversity	1
Use Cultural Intelligence to Preempt Disagreements on Your Cross-Cultural Team	1
Use Inclusive Communication as a Manager	1
Use the 80-20 Rule to Solve Problems	1
Water and Environmental - 10 weeks - Webinar	1
What Do New Hires Want From Onboarding?	1
What Does an LGBTQ Inclusive Workplace Look Like?	1
What Does Inclusion Really Mean?	1
What Does It Mean To Address Bias?	1
What Does It Mean to Have an Inclusive Team?	1
What to Do if You Spot a Microaggression	1
What Unconscious Bias Looks Like at Work	1
Why Everyone Has Unconscious Bias	1
Why It's Hard to Talk About Bias – and Why You Should	1
Why the Most Diverse Companies Use Data	1
Why You Should Talk About Exclusion with Your Team	1
WLP101: Introduction to Emotional Intelligence	5
Word 365 - Intermediate	1
Working with the Equality Act: Micro-course	1
Your Impact in Building an LGBTQ Inclusive Culture	1

FISCAL UPDATE

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

CONTRACTS

Operational Support Services

Contract Number	Contractor Name	Description	Start Date	End Date	Amount
22-025-150-1	Pitney Bowes	Postage Machine Maintenance and Service (Rancho, Redding & Fresno)	7/1/2022	6/30/2024	\$11,815.40
22-026-150	Department of Water Resources	Drone Aerial Surveillance (Rancho Cordova Office)	7/1/2022	6/30/2025	\$59,999.60
23-025-150	Air Shasta Rotor & Wing, Inc.	Helicopter aerial surveillance services (Rancho Cordova office – SB 901 funds)	7/1/2023	6/30/2024	\$20,000
23-026-150-1	Air Shasta Rotor & Wing, Inc.	Helicopter aerial surveillance services (Redding office – SB 901 funds)	7/1/2023	6/30/2026	\$105,000

Water Quality Study/Planning

Contract Number	Contractor Name	Description	Start Date	End Date	Amount
20-005-150	United States Geological Survey	Development of a three-dimensional model of hydrodynamic mixing within Keswick Reservoir.	12/1/2020	11/30/2023	\$250,000
21-026-150-1	United States Geological Survey	To study the occurrence, distribution, and sources of Sacramento Splittail deformities believed to be caused by selenium in the San Joaquin River, Sacramento River, and Delta system.	9/20/2021	3/31/2024	\$100,000
22-028-150	Department of Water Resources	Support for Sacramento Water Coordinated Monitoring	10/1/2022	9/30/2027	\$875,000
23-005-150	66 Training Service, LLC	NPS Training Module Development	7/26/2023	6/30/2026	\$195,150
23-007-150	Regents of UCCE Fresno	Assist small-scale, diversified, and socially disadvantaged farmers in Fresno County with compliance for the Irrigated Lands Regulatory Program (ILRP)	7/1/2023	6/30/2026	\$149,998

FUTURE BOARD ACTIVITIES

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

APRIL 2024 BOARD MEETING

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISCHARGE TO LAND

- Pacific Coast Producers (Revised WDRs)
- Redding Regional Septage Ponds (Revised WDRs)
- Sonora Regional WWTF (Revised WDRs)
- Sandridge Cattle Lemoore Processing Facility (New WDRs)
- Sierra Nevada Cheese (Revised WDRs)
- Vulcan Materials Company Austin Quarry (New WDRs)

NPDES PERMITTING

- San Andreas Sanitary District WWTP Permit Renewal
- City of Lincoln WWTF Permit Renewal
- City of Clovis WWTF Permit Renewal

- Yuba City WWTF Permit Renewal
- City of Portola WWTP Permit Renewal
- Shasta CSA #17 Cottonwood WWTP Permit Renewal
- City of Brentwood WWTP Permit Renewal
- North Yuba Water District Forbestown WWTP Permit Rescission

401 PERMITTING

- Vulcan Materials Company, Grant Line Construction Aggregate Production and Recycling Facility Project, Waste Discharge Requirements
- San Francisco Public Utilities Commission, SFPUC’s San Joaquin Pipeline Valve & Safety Improvements: Phase 2 – Tesla Surge Tower Project, Waste Discharge Requirements

JUNE 2024 BOARD MEETING

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISCHARGE TO LAND

- Barsotti Juice Company (New WDRs)
- Bogle Delta Winery (Revised WDRs)
- California Olive Ranch Atrios Facility (Revised WDRs)
- Trinity River Log Yard (New WDRs)
- Turner Road Vintners (Revised)

NPDES PERMITTING

- City of Rio Vista Beach WWTF Permit Renewal
- SPX Marley Cooling Technologies Permit Renewal
- Ironhouse Sanitary District WWTF Permit Renewal

AUGUST 2024 BOARD MEETING

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISCHARGE TO LAND

- Boundary Bend Olives (New WDRs)
- Kern Sanitation Authority WWTF (Revised WDRs)
- Revol Greens (New WDRs)

NPDES PERMITTING

- City of Davis WWTP Permit Renewal
- City of Vacaville Easterly WWTP Permit Renewal

PENDING ACTIONS BUT NOT YET SCHEDULED FOR A BOARD MEETING

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISCHARGE TO LAND

- California Dairies Inc., Tipton Milk Processing Facility (Revised)
- Central California Women’s Facility & Valley State Prison WWTF (Revised)

- City of Arvin WWTF (Revised)
- City of Lone Tertiary Treatment Plant (Revised)
- CDCR Mule Creek State Prison (Revised)
- Cutler-Orosi WWTF (Revised)
- Del Rey WWTF (Revised)
- Dry Ranch Pistachios (New)
- Firebaugh WWF (Revised)
- Fowler Packing (Revised)
- General Order for Medium-Sized Domestic Wastewater Treatment Facilities (New)
- General Order for Fruit and Vegetable Packing (New)
- General Orders for Nut Hulling & Processing (New)
- Hughson Nut (new)
- Lindsay WWTF (Revised)
- Mission Bell Winery (Revised)
- Morning Star Packing Company (Revised)
- O'Neill Winery (revised)
- Porterville WWTF (Revised)
- Rabbo Bros. (Revised)
- Teichert Hallwood (Revised)
- Teichert Vernalis (Revised)
- Teichert Woodland (Revised)
- Treehouse Almonds (New)
- Touchstone Pistachios (Revised)
- Tucson Ridge Development WWTF (New)
- Turner Road Vintners (Revised)
- Ventura Coastal Corporation (Revised)
- Wasco State Prison WWTF (Revised)
- Woodbridge Winery (Revised)

NPDES PERMITTING

- Calaveras County Water District, Forest Meadows WWTP Permit Renewal
- City of Williams WWTP Permit Renewal