

**California Regional Water Quality Control Board
Central Valley Region
Pamela Creedon, Executive Officer**



**EXECUTIVE OFFICER'S REPORT
August 11, 2017**

ITEMS IN THIS REPORT

SUCCESS STORIES	2
STAFF RECOGNITION.....	6
SANITARY SEWER OVERFLOWS, COMPLAINTS AND SPILLS	15
DELTA ACTIVITIES	16
SALINITY AND CV SALTS.....	18
TMDL/ BASIN PLANNING.....	20
DAIRIES/CONFINED ANIMAL FACILITIES	22
OIL FIELDS	23
FOREST ACTIVITIES	26
CANNABIS.....	27
GROUND WATER STRATEGY.....	32
IRRIGATED LANDS REGULATORY PROGRAM (ILRP).....	35
NON POINT SOURCE (NPS)	42
GRANTS.....	44
PUBLIC OUTREACH.....	46
PERSONNEL AND ADMINISTRATION	50
FUTURE BOARD ACTIVITIES	56
SIGNIFICANT POLICIES, PLANS AND PERMITS TABLE	59

SUCCESS STORIES

Irrigated Lands-Increased Enrollment

From 1 May to 3 July, 28 Notices of Applicability were issued to growers in the Tulare Lake Basin Area, which confirmed the enrollment of 2,040 irrigated acres. Approximately 80% of the applications for coverage were voluntarily submitted by growers, and 20% were submitted in response to enforcement activities conducted by Water Board staff.

UNDERGROUND STORAGE TANKS (USTS) – SUCCESSFULLY CLOSED – NO FURTHER ACTION REQUIRED

Following are sites where Board staff concluded that residual hydrocarbons do not pose a threat to human health and safety or anticipated future beneficial uses of water. Investigation and remediation work, therefore, may be discontinued and no further action is required. This decision is generally based on site-specific information provided by the responsible party, and assumes that the information provided was accurate and representative of site conditions. Upon completion of corrective action, §2728(d)(2) of Title 23 of the California Code of Regulations requires public notification that corrective action has been completed and the regulatory agency does not intend to require additional investigation and cleanup. This document serves to provide public notification for the completion of corrective actions.

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

a) **FRESNO OFFICE**

- **Buy-N-Split Market, 500 19 ½ Avenue, Lemoore, Kings County**

The site is currently vacant property within a municipal redevelopment area, but a convenience store with retail motor fuel sales was formerly onsite. An unauthorized gasoline and diesel fuel release to soil and shallow groundwater was discovered during 1993 and the UST system was removed during 1995. The extents of the release in soil and groundwater were delineated by investigations and groundwater monitoring from 2008 through 2014. Approximately 3,600 pounds of hydrocarbon fuel constituents were removed during 2014 by a soil vapor extraction and air sparging system. Post-remedial investigation suggests that less than 100 pounds of petroleum remain in soil and are unlikely to threaten the present use of surface water, groundwater and public health, and should continue to degrade naturally. The case was closed on 1 May 2017, in accordance with the Low-Threat UST Case Closure Policy.

- **Auberry General Store, 33251 Auberry Road, Auberry, Fresno County**

The site is occupied by a vacant retail building which was formerly a commercial fueling facility. In November 1999, four USTs were removed from the site and an unauthorized gasoline release to soil and groundwater was discovered. The extent of the release was investigated from December 2000 through March 2016. In addition, nine downgradient domestic water supply wells were sampled during the last fourteen years. The nearest downgradient domestic well, approximately 230 feet southeast of the site, has been impacted with MTBE; however, the MTBE concentrations in this well have not exceeded water quality objectives for more than six years.

A dual-phase extraction (DPE) remediation system operated from June 2006 until July 2011, and soil vapor extraction combined with air sparging (SVEAS) was performed from September 2014 to April 2015. Approximately 39,000 pounds of hydrocarbons was removed by DPE and by SVEAS. Remaining petroleum hydrocarbons are unlikely to threaten the present use of surface water, groundwater and public health, and should continue to degrade naturally. The case was closed on 21 June 2017, in accordance with the Low-Threat UST Case Closure Policy.

- **Pixley Mini Mart, 130 South Main Street, Pixley, Tulare County**

The site is a convenience store with retail motor fuel sales. Gasoline USTs and associated product piping were removed from the Site in March 1999. Based on multiple investigations, soil was impacted with approximately 50,782 pounds of petroleum constituents to a depth of 78 feet. The depth to groundwater,

however, is than 164 feet and not threatened. A soil vapor extraction system operated from 2008 through April 2014 and removed approximately 42,300 pounds of petroleum.

- Any remaining petroleum hydrocarbons at the Site should continue to naturally attenuate and should not adversely impact environmental quality, the beneficial uses of groundwater, or pose an unacceptable risk to human health. The case was closed on 20 June 2017 in accordance with criteria contained in the Low-Threat UST Case Closure Policy.

b) **REDDING OFFICE**

- **Gridley Pit Stop, 1344 Highway 99, Gridley, Butte County, Case No. 040039**
The Site is currently a vacant lot that formerly operated as a commercial petroleum fueling facility. An unauthorized release was reported in October 1990. Approximately 580 cubic yards of impacted soil were removed and disposed of offsite which Central Valley Water Board staff estimate contained 43,405 pounds of total petroleum hydrocarbons as gasoline. A groundwater extraction and treatment system operated between 2003 and 2009, removing approximately 10.4 million gallons of groundwater and 22.7 pounds of methyl tertiary butyl ether. An in situ chemical oxidation was used to treat on-site contamination between 2003 and 2008 and in 2011. Residual petroleum is limited to the source area in soil and shallow groundwater. In February 2017, a majority of the remediation and monitoring wells were properly destroyed. However, two remediation wells, located in the Caltrans right-of-way were covered with asphalt and posed a safety issue due to the proximity to a gas line. Several wells could not be located, even with a ground penetrating radar survey. The Site was closed (conditionally) under the Low-Threat Closure Policy in June 2017.
- **Shell SS Anderson Dotzenrod, 2030 North Street, Anderson, Shasta County, Case No. 450077**
The Site dispensed gasoline from two 6,000-gallon and two 8,000-gallon underground storage tanks (USTs) from about 1957 until 1996. The Site's waste oil UST was removed in December 1990, and the fuel USTs were removed in November 1999. The Discharger performed subsurface investigations and remediation of petroleum hydrocarbon pollution at the Site from 2000 until June 2016, under oversight by the Central Valley Water Board. The Discharger conducted a soil removal associated with the tank removals and performed *in situ* remediation by ozone sparging from March 2004 through May 2004, and February 2006 through February 2008. Absorbent socks were also used to absorb free product. Approximately 36 pounds of petroleum hydrocarbons were removed by the remedial activities. Petroleum pollution has been remediated to the maximum extent practicable. The UST case was closed under the Low-Threat Closure Policy in June 2017. Cleanup of pollution by chlorinated ethenes remaining in groundwater continues at the Site under Site Cleanup Program Case SLT5R1095.

c) **SACRAMENTO OFFICE**

- **Comingled Plume: Norton Motors, Kelseyville Fire Protection District (KFPD) and Former Kelseyville Shell, 4010, 4020, and 4030 Main Street, Kelseyville, Lake County**

Prior to 1990 the three adjacent parcels which contributed to the comingled plume at the Site were operated as: 4010 Main Street - Norton Motors a car dealership with three USTs; 4020 Main Street - KFPD station with one UST; and 4030 Main Street - Kelseyville Shell a fuel station with four USTs. In 1991 the 4030 Main Street USTs were removed and a petroleum release was discovered. In 1993 KFPD purchased 4030 Main Street and expanded their fire station onto this property. In 1995 KFPD removed their UST and discovered it had leaked. In 2000 petroleum was detected in soil near the Norton Motors USTs when these tanks, which had been abandoned in-place, were discovered in the Main Street right-of-way. Between 2011 and 2015 KFPD implemented remediation at the 4020 and 4030 Main Street properties and removed approximately 24,000 pounds of petroleum hydrocarbons. Remedial and investigation actions undertaken by KFPD have defined and remediated the plume at all three properties. The remaining comingled petroleum plume, originally more than 700 feet long, now extends about 550 feet downgradient of the former leaking USTs, is decreasing in size, and will continue to attenuate with time. These sites were closed on 6/21/2017.

- **7-Eleven, 711 East F Street, Oakdale, Stanislaus County**

Following a UST system alarm in August 2016, 7-Eleven removed the Site's three USTs, two dispensers, and associated piping, and backfilled the excavation cavity. 7-Eleven collected eight soil samples from beneath the dispensers and former UST locations, and detected total petroleum hydrocarbons gasoline range constituents (TPHg; up to 0.118 milligrams per kilogram [mg/kg]) and total lead (up to 4.77 mg/kg) in soil samples. No other constituents were detected in soil samples. Detected total lead concentrations are consistent with background conditions, and are not indicative of a release. Based on soil sample analytical data, 7-Eleven concluded that their initial determination of a premium gasoline release was incorrect, and that there was not a release. Central Valley Water Board staff agreed with 7-Eleven's conclusion that an extensive release likely did not occur, and concurred with their recommendation of regulatory closure as a low threat site. The case was closed on 30 May 2017.

- **Saint James Episcopal Church, 42 Snell Street, Sonora, Tuolumne County**

The site is an active church located in the central corridor of Sonora. In January 1992, a 1,000-gallon heating oil UST was removed from the site. Approximately 77 pounds of diesel fuel was removed from the site by excavation and removal of impacted soil. While soil samples collected beneath the UST indicated that petroleum hydrocarbons had impacted soil beneath the tanks, subsequent investigations completed in 2015 indicate that soil and groundwater beneath the Site are not impacted by petroleum hydrocarbons. Results of the initial and recent investigations indicate that petroleum hydrocarbons released from the former UST only impacted soil at the Site. The remaining petroleum constituents are unlikely to pose a threat to human health or impact waters of the State as they attenuate and Central Valley Water Board staff concurs with Condor's recommendation for regulatory closure in accordance with the Low Threat Closure Policy. This Site was closed on 5 June 2017.

- **Knights Landing Grocery/Interstate Oil Company Site, 9518 Locust Street, Knights Landing, Yolo County**

The Site is an operating independent service station with three underground storage tanks (USTs). After replacement of the dispensers and product lines in 2003, investigations of soil and groundwater conditions conducted from 2008 through 2014 indicated minor impact from gasoline hydrocarbons to groundwater and soil to a depth of approximately 14 feet bgs. Remediation consisted of the removal of about 15 cubic yards of gasoline impacted soil and natural attenuation processes which continue to degrade petroleum hydrocarbons. The Site met the general and site-specific criteria for case closure under the Low Threat Closure Policy and the case was closed on issued 2 June 2017.

- **Former Tosco No. 0164, 208 Main Street, Woodland, Yolo County**

The Site, is an operating service station with two underground storage tanks (USTs). After replacement of the UST system in January 1999, investigations of soil and groundwater conditions were conducted from 1999 through 2015, and indicated minor impact from gasoline hydrocarbons to groundwater and soil beneath the

Site and a plume of MtBE in groundwater that had migrated up to 840 feet downgradient of the Site. Remediation consisted of the excavation of 450 tons of gasoline impacted soil; ozone and oxygen sparging; batch extraction; and natural attenuation processes which continue to degrade petroleum hydrocarbons. The Site met the general and site-specific criteria for case closure under the Low Threat Closure Policy. A NFAR letter was issued 2 June 2017 for closure of this case.

d) **Local Agency UST Closures with Concurrence of Board Staff**

Sacramento County

- Arco Station #6159, 6140 Greenback Lane, Citrus Height
- 76 Station #4899, 51 Natoma Street, Folsom
- Chevron #9-1703, 7999 Greenback Lane, Citrus Heights
- Chevron #9-3395, 8099 Folsom Boulevard, Sacramento
- Former Unocal Station #5134, 8101 Madison Avenue, Fair Oaks
- Former Novel Auto Sales Site, 1212 Del Paso Boulevard, Sacramento
- Former Crystal Ice Facility, 1800 18th Street, Sacramento
- McKesson Data Center, 11000 Trade Center Drive, Rancho Cordova

STAFF RECOGNITION

SUPERIOR ACCOMPLISHMENT AWARDS

At the June 8/9, 2017, Board Meeting, Executive Officer Creedon presented Superior Accomplishment Awards to the following staff:

Candidate: Gene Coughlin
Unit: Information Technology
Title: Staff Information System Analyst
Supervisor: Bob Chow

Gene Coughlin technically works for the State Water Resources Control Board's Division of Information Technology; however, he is a major part of the support team for Region 5, Rancho Cordova office.

Gene was called to assist in developing a new and innovative approach of presenting the 2016/17 FY Board's accomplishments in a video format. Gene's willingness and enthusiasm to help bring this vision to life was extraordinary. Equipped with his I Phone video camera and a simple editing program, Gene led the charge. He coordinated the project by working individually with each of our 18 Program Managers situated in three offices throughout the Region. He offered each manager direction, creative ideas, supportive feedback, solutions, and above all, patience to create the first video presentation for the Board. The presentation was a success. The video will continue to serve as an outreach tool for the public and other interested parties. It is available in its entirety on our website and the individual segments for each program are separately posted to each programs' link on our website.

Gene's sensitivity, diligence, energy and sense of humor made working with him on this project a joy. Gene's work on this project was outstanding and above and beyond his daily tasks for our Region.

Candidate: Tessa Fojut
Unit: Delta/TMDL
Title: Environmental Scientist
Supervisor: Danny McClure

Tessa has been the lead staff for development of the Pyrethroid Pesticide Control Program and TMDL. The project is controversial and challenging as well as a priority of the 2014 Delta Strategic Plan.

Tessa successfully advanced this project through scientific peer review and public review. Throughout its development she has actively engaged diverse technical experts, stakeholders and agencies to craft a control program that is technically sound, protective of water quality, feasible and reasonable. During this process, Tessa has provided clear, accurate and understandable presentations of complex technical and regulatory issues to both stakeholders and the Board. She is always ready to listen and is willing to incorporate constructive comments into the proposed project to insure a balanced and robust product.

Tessa's knowledge on pesticides, water quality criteria, chemistry and toxicity testing is invaluable to the Water Boards. She successfully manages contracts for criteria derivation and pesticide monitoring and provides valuable input to the Irrigated Lands Regulatory Program's Pesticide Evaluation Advisory Workgroup and the Delta Regional Monitoring Program's technical advisory committee. Tessa promotes a productive and professional team atmosphere, easily adapts to challenges and changes, and can always be counted on for an objective and independent assessment.

Candidate: Bill Bergmann
Unit: Groundwater
Title: Engineering Geologist
Supervisor: Katie Burger

Bill is an Engineering Geologist with the Underground Storage Tank (UST) Program and Site Cleanup (SCP). Bill is currently responsible for 36 cases, and works on some of the most challenging SCP cases managed by the Redding office. Bill brings a wealth of hydrogeologic knowledge to the Redding office.

Last year, Bill submitted a proposal to secure \$1.2M of Senate Bill 445 funds to investigate the Winemuca Trading Company, former Shasta Pulp and Paper Lagoons, a recalcitrant SCP Case. In January, we learned that Bill's proposal was successful. Despite 37 years of mill operations, the site remains uninvestigated and the current owners have not responded to the enforcement actions dating back to 2004. The investigation will reveal more about the potential public health threat that the mill poses and could give more leverage for cleanup of the mill property.

Bill also submitted another proposal to secure \$330,000 of SB 445 funds to investigate a chlorinated solvent plume in Corning, which caused the shut-down of the City's water supply wells. In March, we learned that Bill's other proposal was successful. The plume was discovered in 1992; however, the extent of contamination remains unknown because the potentially responsible parties do not have sufficient funding. The grant allows assessment of the plume to determine if it poses a threat to downgradient water supply wells and if the plume poses a vapor intrusion threat to homes and businesses.

Additionally, during the rain-soaked months of January and February, Bill worked with a local city to ensure continuous implementation of best management practices to control storm water runoff from one of his SCP cases. The case involved an important waste consolidation project that, due to funding issues and difficulties encountered during the remediation effort, approximately 21 acres of unvegetated land were left exposed at the start of the wet season. Bill's multiple site inspections resulted in the city remaining diligent to address the turbid runoff and the erosion concerns at the site.

Candidate: Dean Hubbard
Unit: Oil Fields
Title: Engineering Geologist
Supervisor: Dale Harvey

Dean has worked in the Regional Board Fresno office as an Engineering Geologist for almost twenty years. He is currently in one of the Oil Fields Units that is primarily tasked with evaluating documents associated with oil well stimulations or hydraulic fracking related proposals required by Senate Bill 4. During the last quarter Dean reviewed and critically evaluated over 35 well stimulation treatment applications, three groundwater monitoring proposals, and a groundwater monitoring exclusion proposal.

Dean reviews necessary submittals and obtains additional sources of information needed to fully evaluate the SB4-Well Stimulation submittals. He demonstrates his outstanding geology and hydrogeology knowledge through his preparation of well written and concise memorandums that document Regional Board staff reviews

Dean also serves as a mentor to our less experienced staff. His positive attitude, outstanding geologic related knowledge and skills, field experience, and writing abilities, enable him to serve as an excellent role model.

EMPLOYEE OF THE MONTH RECOGNITION

FRESNO OFFICE MAY 2017

Candidate: Hossein "Hoss" Aghazeynali
Unit: Oil Field Pond Unit
Title: Water Resources Control Engineer (Fresno Office)
Supervisor: Ron Holcomb

Hoss has worked in the Oil Field Pond Unit since 2014. His knowledge and experience from his time working in the petroleum industry help to make him a valuable member of our team.

Hoss prepared three general orders for the discharge of oil field wastes to land. He drafted all of the documents; handled the comments from the industry groups, the NGOs, and the public; and kept all of the records organized. Since the orders were contested, we had to present the orders to the Board and Hoss handled half of the presentation. After the presentations were finished, the discussions took place and we wound up with some late changes that needed to be incorporated into the orders. Hoss handled these tasks and got the job done. These general orders had to go before our Board twice, so Hoss performed all of these tasks both times.

Hoss' meticulous work and attention to detail throughout a process that often changed direction and sometimes became chaotic kept us on track. Hoss applies these skills to all of his work in the Unit. His consistent performance is appreciated and he is deserving of recognition.

REDDING OFFICE MAY, 2017

Candidate: Kaylie Humbert
Unit: NPDES
Title: Water Resource Control Engineer
Supervisor: Jeremy Pagan

Kaylie Humbert is a Water Resource Control Engineer working in the NPDES Unit of the Redding Office of the Central Valley Water Board. Kaylie recently graduated from CSU Chico with her B.S. in Civil Engineering and has been with the Central Valley Water Board since September 2016.

Though Kaylie has only been with the Central Valley Water Board for a short time, she has already completed a tremendous amount of work for the NPDES Unit and is very quickly learning the skills necessary to be an effective engineer and regulator. Her case load is diverse and consists of: municipal wastewater treatment plants, drinking water treatment plants, cogeneration power plant and sawmill facilities, abandoned mines, and some limited and low threat general order enrollees. Kaylie's skillset as a new engineer are excellent; she is observant, analytical, precise, and very thorough. She is a very quick learner and consistently delivers work products ahead of schedule. With a good attitude and a desire to do excellent work, Kaylie is very ambitious and has already taken on multiple challenging projects, including her first NPDES permit renewal. Other work has included amending a time schedule order, facility inspections, complaint response and investigations, issuing notices of violation, and review of technical reports and workplans.

Kaylie is dependable, hard-working, and a great asset to the NPDES Unit. Her work ethic and ability to quickly learn, adapt, and execute is most appreciated. The Central Valley Water Board, Redding Office is fortunate to have Kaylie as part of its staff and looks forward to seeing her continued growth and development as an excellent engineer and regulator.

**SACRAMENTO OFFICE
MAY, 2017**

Candidate: Cindy Au Yeung and True Khang
Unit: Planning/CV-SALTS
Title: Environmental Scientists
Supervisor: Anne Littlejohn

Cindy Au Yeung and True Khang are valued members of the TMDL/Basin Planning Section and are being recognized for their truly exceptional efforts on a Basin Plan Amendment to establish a region-wide evaluation process for the evaluation of the Municipal and Domestic Supply (MUN) beneficial use in agriculturally dominated water bodies.

Cindy and True were instrumental in the preparation of an over 300-page draft Staff Report and the substitute environmental documentation for the Amendment's first hearing this past February. They each participated in a well-delivered presentation to the Board, taking complex elements of the proposed amendments and explaining them in a clear and easy to understand manner. Since the hearing, True and Cindy have been working tirelessly to organize and respond to over 600 public comments received on the proposed Basin Plan Amendment, in preparation for the next hearing to consider adoption of the MUN evaluation process. Without their hard work on these comments, the project timeline would have been substantially delayed.

True and Cindy have also been working hard at designing and implementing a comprehensive Title 22 water quality monitoring study in key Central Valley water bodies that supply municipal and domestic supply. This has involved extensive interaction with various contract laboratories to ensure that the proper methods, reporting limits and processes are adhered to. Cindy and True are hard-working, positive and respectful to others. They are regularly acknowledged by other staff members and the public as providing excellent customer service and high quality work. For these reasons and more, Cindy and True are well deserving of this recognition award.

**FRESNO OFFICE
JUNE, 2017**

Candidate: Eric Warren
Unit: Irrigated Lands Regulatory Program
Title: Water Resource Control Engineer
Supervisor: David Sholes

In the past month Eric completed an extensive review of a Management Practice Evaluation Program work plan that set the standard for future Irrigated Lands Regulatory Program reviews. Eric also coordinated 27 Notices of Violation to unenrolled growers and 170 reminder letters as a first step toward enrollment or enforcement. In addition, he assisted an elderly grower complete his reporting requirements. Eric drafted reviews of several Sediment Discharge and Erosion work plans and manages the ILRP database in the Fresno office.

Over the past quarter Eric prepared draft reviews of several workplans and worked on surface water beneficial use issues. Eric has participated in multiple enforcement activities, presented to the Hearing Panel, and assisted with Board meeting set-up. Eric is part of the backbone of the Irrigated Lands Regulatory Program and serves as a mentor to new staff.

**REDDING OFFICE
JUNE 2017**

Candidate: Guy Chetelat
Unit: Non-Point Source
Title: Senior Environmental Scientist
Supervisor: Lynn Coster

Guy Chetelat is an Engineering Geologist in the Redding Nonpoint Source Unit and is being recognized for his outstanding work performance. Guy joined the Central Valley Water Board in 2000 and has taken on a wide variety of projects as part of the Nonpoint Source Unit since 2001. He has juggled the oversight of a multitude of tasks including:

- Updating erosion control plans for power line corridors and addressing problematic sights;
- Assessing and addressing storm water runoff pollution at over 30 shooting ranges in the Redding and Sacramento subregions;
- Inspecting and permitting Off Highway Vehicle (OHV) sites throughout the Central Valley Region;
- Development, permitting, and inspection of over 20 habitat restoration projects throughout the subregion;
- Surface Water Ambient Monitoring Program (SWAMP) water quality monitoring and bacteria lab analyses;
- Cyanobacterial harmful algal bloom (CyanoHAB) monitoring, analysis, press releases, and communication;
- Review and management of Clean Water Act Section 319(h) Nonpoint Source Grants and Timber Regulation and Forest Restoration Fund Grants;
- Participation in a number of public outreach groups, including the Integrated Regional Water Management (IRWM) and the Sacramento River Forum;
- Response to complaints, including site visits.

Guy has been instrumental in the monitoring and analysis of CyanoHABs in the last few years. His work involves the continued development of a program to identify and address the causes and impacts of CyanoHABS, a complex and growing problem.

Guy's technical knowledge, experience, excellent communication skills, and positive attitude are an asset to the Central Valley Water Board. He has earned the respect of both colleagues and dischargers and is a deserving recipient of this award.

**SACRAMENTO OFFICE
JUNE 2017**

Candidate: Alan Buehler
Unit: Storage Tank Enforcement Unit 1
Title: Engineering Geologist
Supervisor: Chris Flower

Alan has worked for the Central Valley Regional Water Board's UST Section, in the Rancho Cordova office for 12 months.

Alan has been assigned several sites that have varying degrees, and in some cases minimal regulatory guidance from several local oversight programs. Over the past year, Alan reviewed over 60 of these sites to determine appropriate corrective measures and to drive the sites toward regulatory closure. This included preparing thorough assessment correspondences for each site, and providing clear direction for responsible parties to attain compliance and work toward site closure.

In addition to his work on these 60 sites, Alan has also taken lead regulatory oversight duties for several sites designated as 'high priority' with impacts to domestic wells requiring extensive interaction with various stakeholders. For this and his positive attitude, he is receiving our employee recognition award.

**SACRAMENTO OFFICE
JUNE 2017**

Candidate: Michelle Wood
Unit: NPS/Planning Unit
Title: Senior Environmental Scientist
Supervisor: Sue McConnell

Michelle is being recognized for her role in leading a unit with complicated and diverse responsibilities. Michelle is a very hard worker who shows initiative in thoroughly understanding the issues at hand. She has successfully overseen the development of the Central Valley Water Board's 2014 Integrated Report, NPS program plans, and cyanobacteria response effort, among her other supervisory duties. These tasks involve significant stakeholder input, and Michelle does a great job taking the time to outreach and collaborate with internal and external stakeholders. Michelle also uses her strong organizational skills to coordinate the multi-faceted nature of these projects. For Michelle's dedication to her job, her technical knowledge and so much more, she is being recognized with an employee recognition award.

Performance Targets

Performance measurement and reporting is an important component of a complete system of performance management needed to demonstrate how well programs or strategies are working and why. Information obtained through better performance measurement and program evaluation provides insight that enables us to understand and replicate successes, and continuously improve programs. To this end, the Water Boards establish annual performance targets for key output measures. In effect, these targets are goals that establish measurable levels of performance to be achieved within a specified time period. The Water Board has a systematic target setting approach for several of its programs. Using this new method, performance targets are based on available resources and uniform cost factors for key workload outputs. This target setting approach is described in the link below and was used to develop the FY 2016-2017 performance targets

http://www.waterboards.ca.gov/about_us/docs/resource_alignment_report.pdf.

Below is the Region 5 Performance Measurement Summary for the 2016-17 fiscal year. This report was produced with data through 100% of the current fiscal						
Region 5 Performance Measurement Summary from 1 July 2016 to 30 June 2017						
Programs	Original Target	* Actuals: Permits or Facilities Inspected	% Complete = Actuals/Original Target	Revised Target	** Total # of Inspections Performed	Comments
NPDES Wastewater						
Major Individual Permits Issued, Revised, and Renewed	5	4	80%	n/a	n/a	An additional six permits were rescinded in 2016-17.
Major Individual Facilities Inspected	25	23	92%	n/a	23	
Minor Individual Permits Issued, Revised, and Renewed	11	7	64%	n/a	n/a	An additional six permits were rescinded in 2016-17.
Minor Individual Facilities Inspected	16	22	138%	n/a	25	
Minor General Enrollees Facilities Inspected	0	0	N/A	n/a	0	
Waste Discharge to Land – Wastewater						
Municipal Waste, Industrial Waste, and All Other Facilities - Permits Past Review Date Updated	25	27	108%	n/a	n/a	
Municipal Waste, Industrial Waste, and All Other Facilities - Number of Inspections	165	161	113%	n/a	186	
Land Disposal						
Landfills Permits Issued, Revised, and Renewed	11	12	109%	n/a	n/a	
Landfill Inspections	104	90	127%	n/a	132	
All Other Permits Issued, Revised, and Renewed	2	4	200%	n/a	n/a	Includes one revised permit.
All Other Inspections	20	37	215%	n/a	43	Includes mines and composting inspections that were not anticipated in determining the target.
NPDES Storm Water						
Stormwater Construction Inspections	385	307	109%	n/a	420	An increased number of inspections were performed in response to the exceptionally wet winter season.
Stormwater Industrial Inspections	195	207	110%	n/a	215	
Stormwater Municipal Inspections	0	0	N/A	n/a	0	
Other Programs						
Forest Activities Inspections	166	119	78%	n/a	130	Inaccessibility due to storms and heavy precipitation limited staff's ability to conduct inspections during winter months. Staff will conduct as many inspections as feasible in the remaining fiscal year in attempting to achieve the target.
Confined Animal Facility Inspections	280	284	116%	n/a	326	
Clean Up						
New DoD Sites Into Active Remediation	15	17	113%	n/a	n/a	
New SCP Sites Into Active Remediation	84	22	26%	n/a	n/a	Awaiting record of decision authorization for remediation for remaining sites.
Cleanup Program Sites Closed	68	91	134%	n/a	n/a	A significant number of sites at the McClellan AFB that were targeted for closure in the 15/16 fiscal year were closed early in the 16/17 fiscal year.
New UST Sites Into Active Remediation	29	38	131%	n/a	n/a	
Underground Storage Tank Sites Closed	80	77	96%	n/a	n/a	
* Actuals: Number of facilities inspected or permits issued.						
** Total #: Number of inspections completed including all reinspections.						

ENFORCEMENT

Enforcement is a critical ingredient in creating deterrence needed to encourage the regulated community to anticipate, identify, and correct violations. Appropriate penalties and other consequences for violations offer some assurance of equity between those who choose to comply with requirements and those who violate them. It also improves public confidence when government is ready, willing, and able to back up its requirements with action. This section of the Executive Offer's Report (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 orders issued; and, 2) a summary of all enforcement actions issued.

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

Enforcement Table 1 – Region 5 Enforcement Orders (6 May 2017 through 13 July 2017)

Date	Agency	County	Notes
5/12/2017	City of Redding	Shasta	Administrative Civil Liability (ACL) Complaint R5-2017-0523 issued in the amount of \$6,000 to address two mandatory minimum penalty (MMP) effluent violations that occurred between 5 May 2015 and 21 December 2016.
5/15/2017	City of Lincoln	Placer	ACL Order R5-2016-0568 adopted for \$31,595 due to a discharge of partially treated water that occurred between 26 March 2016 and 27 March 2016. A total of 893,600 gallons of partially treated wastewater was discharged to Auburn Ravine Creek during the spill event.
5/16/2017	Forward, Inc. & Republic Services, Inc.	San Joaquin	California Water Code (CWC) Section 13267 Investigative Order (13267 Order) issued for accepting and discharging approximately 6,200 tons of hazardous waste between April 2014 and December 2015.
5/25/2017	US Army Corps of Engineers Sacramento	Yolo	13267 Order requiring the United States Army Corps of Engineers (Corps) to participate in the Delta Regional Monitoring Program (Delta RMP) relative to their Clean Water Act Section 401 Technically Conditioned Water Quality Certification (401 Certification).
5/25/2017	US Army Corps of Engineers Sacramento	San Joaquin	13267 Order requiring the Corps to participate in the Delta RMP relative to their Clean Water Act Section 401 Certification.
6/9/2017	Aerojet General Corporation	Sacramento	ACL Order R5-2017-0531 issued in the amount of \$30,000 for MMP effluent limitation violations that occurred from 1 November 2013 through 30 November 2015. \$15,000 shall be paid to the Cleanup & Abatement Account, the remaining \$15,000 shall be paid to Soil Born Farms for a Supplemental Environmental Project (SEP).

Enforcement Table 1 (cont.)

Date	Agency	County	Notes
6/15/2017	Madera County Public Works Department - Special Districts	Madera	13267 Order that requires the Discharger to submit--by 17 July 2017--a proposed time schedule specifying when further reconnaissance of their effluent force main will be conducted and when corrective actions will be implemented at their wastewater treatment facility (WWTF) to prevent/minimize future discharge violations.
6/16/2017	City of Marysville	Yuba	ACL Order issued in the amount of \$288,288 for violations of Cease and Desist Order (CDO) R5-2009-0014 for late submittal and non-submittal of Quarterly Project Status Reports. Of that amount, \$144,144 shall be suspended pending the completion of a SEP. The remaining \$144,144 shall be paid to the State Water Pollution Cleanup and Abatement Account.
7/7/2017	US Army Corps of Engineers Sacramento	Yolo	13267 Order requiring the Corps to participate in the Delta RMP relative to their Clean Water Act Section 401 Certification.
7/7/2017	US Army Corps of Engineers Sacramento	San Joaquin	13267 Order requiring the Corps to participate in the Delta RMP relative to their Clean Water Act Section 401 Certification.

2) **Enforcement Update** – Enforcement Table 2, included below, summarizes the enforcement actions issued in all the Regions since the last EO Report. From a statewide perspective, Region 5 was responsible for 35% of all the enforcement actions tracked in CIWQS during this period including 58% of all NOV's and 15% of all ACL's

Region / Office	Enforcement Actions								
	VER	SEL	NOV	13267	NNC	CAO	EPL	ACL	Total
1	0	0	2	0	0	0	0	2	4
2	0	1	0	1	0	0	0	0	2
3	1	1	4	0	0	1	0	2	9
4	0	0	52	1	24	0	12	14	103
5F	1	0	22	1	0	0	2	0	26
5R	0	0	4	0	0	0	0	1	5
5S	2	0	55	5	2	0	0	3	67
RB5 Total	3	0	81	6	2	0	2	4	98
6	3	5	0	0	0	1	1	1	11
7	0	1	1	0	0	0	0	0	2
8	2	7	0	0	17	0	0	2	28
9	0	25	0	0	0	0	1	1	27
Total	9	40	140	8	43	2	16	26	284
Enforcement Actions:									
VER = Verbal Communication					TSO = Time Schedule Order				
SEL = Staff Enforcement Letter					CDO = Cease and Desist Order				
NOV = Notice of Violation					EPL = Expedited Payment Letter				
13267 = Water Code Section 13267 Investigative Order					ACL = Administrative Civil Liability				
NNC = Notice of Non-Compliance (Stormwater)									

SANITARY SEWER OVERFLOWS, COMPLAINTS AND SPILLS

Sanitary Sewer Overflows (SSOs) in Excess of 50,000 gallons

There was one SSO event in excess of 50,000-gallons in the months of April and May 2017.

- **City of Redding Collection System, City of Redding – 64,700 gallons**

Central Valley Regional Water Quality Control Board (Central Valley Water Board) staff were made aware of the spill when City of Redding (City) staff called the California Governor's Office of Emergency Services (CalOES) and the Central Valley Water Board office over the weekend of May 27th. Central Valley Water Board staff followed up with the City the following week. Initial estimates from the City were that the spill was low volume and had been repaired quickly. Following a public complaint later in the week, Central Valley Water Board went onsite to the location of the spill on Friday, June 2nd, to observe in-field conditions. The total volume of raw sewage seemed to be in excess of the original estimates, and cleanup of the spill was far from complete. Central Valley Water Board staff contacted the City on Friday, June 2, to get additional details regarding the spill. In the following weeks the City began water quality sampling, continued cleanup efforts, and revised the estimated spill volume to over 50,000 gallons. Central Valley Water Board staff conducted a site inspection again on Friday, June 9th. Water quality sampling is continuing to-date with concentrations of total and fecal coliform, and e. coli, returning to at or near background levels. Central Valley Water Board staff is awaiting the latest water quality sampling results and SSO technical report.

For this reporting period, there were **206** total SSO spills: **14** Category 1, **2** Category 2, and **190** Category 3. Relevant data from all of the spills occurring during this reporting period is included as **Attachment A**.

- **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 webpage at: http://www.waterboards.ca.gov/water_issues/programs/sso/index.shtml. Sewage Collection Agencies report SSOs on-line at the State Water Board's CIWQS database pursuant to the requirements of State Water Board Order No. 2006-0003-DWQ (*General Statewide Waste Discharge Requirements for Sewage Collection Agencies*).

COMPLAINTS AND OTHER WATER QUALITY THREATS OR IMPACTS

Complaints

Central Valley Regional Board staff are responsible for responding to complaints related to water quality within the Central Valley Region as they are received. In the 2016-17 fiscal year, Central Valley Water Board staff have logged **215** complaints from phone calls, emails, and from the CalEPA Complaint database (<https://calepacomplaints.secure.force.com/complaints/>). And, so far, **187 (84%)** complaints have been investigated and closed, or referred to another environmental enforcement agency. Investigations for the remaining **28** complaints remain ongoing.

DELTA ACTIVITIES

1. **Delta Mercury Exposure Reduction Program**

The Delta Mercury Exposure Reduction Program (MERP) is a collaborative effort of the Central Valley Water Board, California Department of Public Health (CDPH), the Delta Conservancy, and the Office of Environmental Health Hazard Assessment (OEHHA). It is supported by funds from the Cleanup and Abatement Account and Delta dischargers subject to the Delta Mercury Control Program. The goal of the Delta MERP is to protect public health by reducing exposure to methylmercury in fish caught in the Delta.

The MERP Steering Committee meets monthly to coordinate the implementation of various components in the 2017 Activity Plan. Posting of the new advisory signs developed by MERP for the Delta is currently underway. Over 20 signs are now posted at various locations in the Delta. Staff is currently coordinating with stakeholders and agencies who will be responsible for some of the sign-posting locations to fulfill their commitments to providing in-kind services to the program.

2. **Delta Regional Monitoring Program (RMP)**

On 3 May 2017, the Steering Committee (SC) approved the fiscal year 2017/18 Work Plan and Budget for the Delta RMP. Monitoring proposals were presented to the SC in the context of the Delta RMP's refined assessment questions. Monitoring designs were approved for nutrients and mercury; however, monitoring for pesticides and toxicity in FY 2017/18 will be decided at a subsequent meeting.

The Technical Advisory Committee (TAC) met on 13 June 2017 to discuss revisions to the draft Pesticides and Toxicity Data Report for Year 1 monitoring. The group also began planning for the Current Use Pesticides Year 1-2 Interpretive Report. Additional pesticide subcommittee meetings are being held in July and August to discuss data quality objectives and prioritization criteria for development of this year's current use pesticides and toxicity monitoring plans.

On 27 June 2017, Delta RMP members held a teleconference with the Delta Science Program's Independent Scientific Review Panel to discuss the panel's comments and recommendations on the RMP's Monitoring Design. The initial charge asked the panelists 1) if the Delta RMP Monitoring Design is adequate to answer the program's management and assessment questions, and 2) to recommend scientific criteria for distributing limited resources towards monitoring. The panel was provided additional information and the 2017/18 work plan for inclusion in the final review. The final report from the panel is expected in September 2017.

On 28 July 2017, the Steering Committee will meet to discuss the Pesticides and Toxicity Data Report for Year 1 and the scope of the Current Use Pesticides Year 1-2 Interpretive Report.

3. **Delta Nutrient Research Plan**

The purpose of the Nutrient Research Plan is to identify research and modeling needed to determine whether and what type of water quality objectives for nutrients may be needed to protect beneficial uses in the Delta. To provide information for the Nutrient Research Plan, staff and the Stakeholder and Technical Advisory Group (STAG) commissioned white papers to review the state of science and provide research recommendations.

Development of the white papers is nearly complete. White papers and Knowledge Gaps documents on cyanobacteria and invasive aquatic weeds are finished, as is white paper on a biogeochemical modeling. At its meeting on 12 June, the STAG voted to accept as final the Nutrients and Phytoplankton white paper. The last white paper, on drinking water issues, is available for review. The STAG is expected to vote via email to accept the drinking water white paper by the end of July.

Delta Nutrient Research Plan Meeting Participation:

On June 12, Janis Cooke and Christine Joab hosted the Delta Nutrient STAG meeting. The meeting included a discussion of the nutrient and phytoplankton report, update on the process by a working group to prioritize research recommendations, and a report on a new project to support development and use of a nutrient model in the Delta and Suisun Bay. The modeling effort is a joint project with the San Francisco Bay Water Board funded by the State and Regional Water Boards.

Upcoming activities:

- Staff will present the status of the Nutrient Research Plan to the Water Board at its August meeting.
- Agreements to begin the nutrient modeling project are being developed.
- Staff is writing the Nutrient Research Plan and identifying possible steps for implementation.
- The next STAG meeting is anticipated to occur in early September.

White papers and other project information are available on this website:

http://www.waterboards.ca.gov/centralvalley/water_issues/delta_water_quality/delta_nutrient_research_plan/index.shtml .

4. **San Joaquin River Dissolved Oxygen TMDL Implementation – Aeration Facility**

Dissolved oxygen concentrations in the Stockton Deep Water Ship Channel (dredged portion of the San Joaquin River) are monitored at the Department of Water Resources Rough and Ready Island water quality monitoring station. When dissolved oxygen concentrations fall below the dissolved oxygen water quality objective, the Port of Stockton operates an aeration device that is used to increase dissolved oxygen concentrations in the river. So far in 2017, dissolved oxygen concentrations have been above the water quality objective and aeration operations have not been needed.

SALINITY AND CV SALTS

1. **Central Valley Salinity Alternatives for Long-Term Sustainability (CV-SALTS)**

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

<http://www.cvsalinity.org/index.php/docs/central-valley-snmp/final-snmp.html>

Staff is continuing to work internally with Program Managers and externally with CV-SALTS stakeholders to draft initial Basin Plan amendment language and identify any additional environmental, economic and/or anti-degradation documentation needed for the recommended policies, strategies and guidance. Initial drafts of the proposed amendment are anticipated to be available for release during the fall with a public workshop tentatively scheduled for December 2017.

A brief summary of all CV-SALTS technical projects can be found under the CV-SALTS website at:

<http://www.cvsalinity.org/index.php/committees/technical-advisory/technical-projects-index.html>

2. **CV-SALTS Meeting Participation**

On 13 June, Glenn Meeks participated in the CV-SALTS Public Education and Outreach Committee meeting to discuss outreach materials, including a CV-SALTS Final Salt and Nitrate Management Plan summary brochure and industry specific inserts.

On 15 June, Jeanne Chilcott and Glenn Meeks participated in the CV-SALTS Executive Committee meeting held at the Regional San office in Sacramento. The meeting primarily focused on draft basin plan amendment language for the nitrate and salinity management strategies, review and approval of the CAA grant scope of work and Public Education and Outreach Committee developed informational materials (brochure and inserts).

On 21 June, Glenn Meeks presented on the SNMP at the Central Valley Manufacturers Council's work committee meeting in Modesto California.

On 6 July, Jeanne Chilcott, Adam Laputz and Patrick Pulupa participated in a Nitrate Permitting Strategy small working group meeting to identify outstanding issues and continue drafting proposed basin plan amendment language.

On 11 July, Jeanne Chilcott and Patrick Pulupa participated in a Salinity Management Strategy small working group meeting to identify outstanding issues and continue drafting proposed basin plan amendment language.

3. **United States Bureau of Reclamation (USBR)—Management Agency Agreement (MAA)**

An MAA meeting with Central Valley Water Board staff and representatives for USBR, the Westside San Joaquin River Watershed Coalition, and the Grassland Water District was held on 19 June 2017. USBR's draft FY 2018 Work Plan, received on 10 May, was reviewed. Also, the status and needs of the Board-approved Real Time Management Program for the Lower San Joaquin River (LSJR) were outlined by USBR. In addition, calculations of TMDL Supply Water Allocations for the Delta Mendota Cana were reviewed.

4. **Evaluation of Municipal and Domestic Supply (MUN) Beneficial Use in Ag Dominated Surface Water Bodies.**

A public hearing was held by the Central Valley Water Board on 23 February 2017 to receive oral comments on the Basin Plan Amendment effort to develop a region-wide MUN evaluation process in Ag dominated surface water bodies. The draft Staff Report containing the proposed amendments and the environmental checklist was released to the public on 23 January 2017 and the public written comment period was extended to 24 March 2017. Over 500 comments were received with the majority of the focus on methods to insure that beneficial uses downstream of the water bodies under consideration are protected. An amended draft Staff Report was posted on 10 July 2017. Responses to comments will be posted no later than

21 July 2017. The Board will consider adoption of the proposed BPA at a public hearing on 10/11 August 2017 in Rancho Cordova.

More information on the project can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/salinity/mun_beneficial_use/index.shtml

TMDL/ BASIN PLANNING

1. Pesticide Basin Planning/TMDLs

Final UC Davis Aquatic Life Criteria for Fipronil Oxyfluorfen, Prometryn, Simazine, and Trifluralin

On 10 July, the final UC Davis water quality criteria reports for the insecticide fipronil and the herbicides oxyfluorfen, prometryn, simazine, and trifluralin were released. These criteria were derived following the UC Davis Methodology using existing toxicology data to provide concentrations which, when attained, would be protective of aquatic life. These chemicals were selected for criteria derivation because they have been detected in the Region at levels which could impact aquatic life.

Drafts of these criteria reports were circulated for public comments in June and October 2016. Independent scientific peer reviews of the draft reports were completed in November 2016 and February 2017. Responses to public and peer review comments were also posted with the criteria reports.

The development these criteria were funded by the Central Valley Water Board through a contract to UC Davis. However, it should be noted that these criteria documents have not been adopted or endorsed by the Board and should not be considered adopted water quality objectives. The development of water quality objectives requires consideration of several other factors, including economics and attainability.

For more information:

http://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/central_valley_pesticides/criteria_method/

Water Board Comments on USEPA Pyrethroid Registration Review Ecological Risk Assessment

In July 2017, the State Water Resources Control Board, the Central Coast Water Board and the San Francisco Bay Water Board provided comments to the USEPA on their draft Ecological Risk Assessment for pyrethroid pesticides. Completion of the risk assessment is part of USEPA Office of Pesticide Program's Registration Review process. Registration review is the periodic review of the pesticides' registration for use under the Federal Insecticide Fungicide and Rodenticide Act (FIFRA). Registration Review is required to be completed every 15 years for every pesticide. The draft pyrethroids Ecological Risk Assessment found significant potential risks to aquatic life from both urban and agricultural uses of pyrethroid pesticides.

Central Valley Water Board staff provided assistance in the preparation of the State Water Board comments. The comments submitted by the Water Boards supported the overall conclusions of the Ecological Risk Assessment, provided further evidence of pyrethroids potential impacts in California, and urged USEPA to make changes to pyrethroid registration to help address their water quality impacts. The California Stormwater Quality Association, the Bay Area Water Quality Association, and the Department of Pesticide Regulation, as well several agricultural and pest control industry stakeholders also provided comments on the risk assessment.

For more information:

https://www.epa.gov/ingredients-used-pesticide-products/pyrethrins-and-pyrethroids#reg_review

2. 2018 Integrated Report

The Integrated Report includes surface water quality data assessments and Clean Water Act Section 303(d) listing recommendations (identification of impaired water bodies). The "Notice of Public Solicitation of Water Quality Data and Information for the 2018 California Integrated Report – Clean Water Act Sections 305(b) and 303(d)" was released on 3 November 2016. The solicitation period closed 3 May 2017. Staff will release their initial evaluation of the submitted data in early 2018. Any data submitted after May 3rd will be considered in the 2020 cycle assessments. The current 2014 Integrated Report for the Central Valley Region is available at the following website:

http://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/impaired_waters_list/index.shtml

3. **Tribal Coordination-Tribal Beneficial Uses**

On 2 May, the State Water Board adopted mercury provisions into the Water Quality Control Plan for Inland Surface Waters, Enclosed Bays and Estuaries of California. The mercury provisions included new beneficial use definitions for Tribal Tradition and Culture (CUL), Tribal Subsistence Fishing (T-SUB) and Subsistence Fishing (SUB). On 20 June, Jeanne Chilcott, Patrick Morris and Betty Yee met with representatives of tribes in the Clear Lake area to discuss designation of the new beneficial use categories of CUL and T-SUB. Staff brought information on the recently started triennial review process and the basin plan amendment process. There was discussion of the type of information needed for each process and when the information is needed. An additional request to meet with representatives of tribes in the Tuolumne area was received and a tentative meeting has been set before the end of July.

4. **Statewide Mercury Control Program for Reservoirs**

In late June 2017, the State Water Board sent a questionnaire to the owners and operators of 132 mercury-impaired reservoirs throughout California to gather information regarding the reservoir status and current strategies for water chemistry and fisheries management practices. These responses will assist in the binning of reservoirs into categories for pilot tests in Phase I of the program. Subsequent to receiving feedback from the reservoir owners and operators, Region 5 staff will summarize the questionnaire data and make it publicly available. Staff will also discuss the results at reservoir stakeholder meetings anticipated this fall and next spring. All reservoir owners and operators subject to this program will be invited to attend reservoir stakeholder meetings. To view the questionnaire as well as general program information, visit http://www.waterboards.ca.gov/water_issues/programs/mercury/reservoirs/ .

DAIRIES/CONFINED ANIMAL FACILITIES

Staff completed approximately 322 dairy inspections for FY 2016/17. This outcome exceeded our performance target, but is slightly short of meeting with the goal of inspecting each CDQAP-certified dairy once every five years, and non-certified dairies once every three years. The reason for doing fewer inspections this year was to focus resources on the more immediate goal of completing General Orders for Bovine Feedlots and Poultry Facilities, as well as to pursue a number of high priority enforcement cases. Staff will eliminate the inspection backlog in the coming years. In the meantime, we will prioritize inspection efforts on dairies that are more likely to have issues based on previous inspections, as well as on dairies that are in close proximity to sensitive receptors such as community drinking water supplies.

OIL FIELDS

1. Waste Water Surface Ponds

Notices of Intent (NOIs) for coverage under a General Order for discharges of oilfield wastes to land are being submitted by oilfield wastewater dischargers. Staff anticipates that approximately 44 NOIs will need to be submitted. So far, 14 NOIs have been submitted. These NOIs have been reviewed and each one has been found to be incomplete. Staff is working with the Dischargers to help them prepare complete NOIs that will satisfy the requirements of the General Orders.

A revised Monitoring and Reporting Program was issued to Hathaway LLC for its operation at the Quinn Lease. Staff continues to review work plans required by the Cleanup and Abatement Orders, monitoring reports required by Waste Discharge Requirements, and technical reports that request rescission of groundwater monitoring requirements from recently issued Revised MRPs.

2. Spill Response

Central Valley Water Board staff responds to oil field spills and upsets reported to the Office of Emergency Services. Six significant events occurred in January and February.

- A spill of crude oil and oil field produced water into a dry stream bed occurred on the Section 9 SF facility operated by Chevron USA, Inc., in the Midway Sunset Oil Field on 17 April 2017. The cause of the spill was reported as the failure of a pipeline. Reportedly, approximately 0.55-bbbls of crude oil and an unknown amount of produced water were discharged. On 2 May 2017, Staff inspected the spill site and observed a section of the affected stream bed that contained what appeared to be semi-solidified oil. Staff requested additional cleanup work to be conducted to remove all oil affected materials. On 1 June 2017, Staff inspected the spill site again and staff of the California Department of Fish and Wildlife signed-off on the site cleanup.
- A spill of crude oil and oil field produced water into a dry stream bed occurred on the Section 3P facility operated by California Resources Corporation, in the Kettleman North Dome Oil Field on 27 April 2017. The cause of the spill was reported as the failure of a pipeline. Reportedly, approximately 10-bbbls of crude oil and 100-bbbls of produced water were discharged. Staff inspected the spill site and observed cleanup activities in progress. Staff will conduct a follow-up inspection after the completion of cleanup work.
- A spill of crude oil and oil field produced water into a dry stream bed occurred on the Section 7 SF facility operated by Chevron USA, Inc., in the Midway Sunset Oil Field on 29 April 2017. The cause of the spill was reported as the failure of a pipeline. Reportedly, approximately 0.025-bbbls of crude oil and 2.5-bbbls of produced water were discharged. Staff inspected the spill site after the completion of cleanup work. Concurrently, staff of the California Department of Fish and Wildlife inspected the spill site and signed-off on the cleanup work.
- On 6 May 2017, it was reported that a sheen was observed on the water surface in a section of the Kern River (River) that runs through facilities operated by Chevron USA, Inc. (Chevron) in the Kern River Oil Field. Staff of the Kern County Office for Environmental Health, the California Division of Oil, Gas, and Geothermal Resources, and the California Department of Fish and Wildlife responded to the situation. The Search and Rescue Division of the Kern County Sheriff's Department conducted a search operation upstream and downstream of the reported sheen locations, to identify potential sources. No source of discharge was identified. Staff inspected the incident site and observed the section of the River where the sheen was reportedly observed. Chevron staff said that the sheen was likely the result of higher flowrates in the river eroding the river banks and causing the exposure of the Kern River formation, which outcrops in this portion of the field and where legacy operations date back over 100 years. Chevron staff also stated that Chevron did not change anything in its operations over the time period the sheen

was observed and that Chevron has no active operations or facilities in this immediate area. Chevron committed to continuing its surveillance in this area (air and ground) to quickly identify and respond to any future occurrence.

3. UIC Program

Staff issued six letters of completion and followed up with two operators regarding information Orders (13267 Orders). The Orders were issued to oil field operators requesting technical reports on injection well(s) that have potentially been injecting Class II fluids produced by oil or gas extraction activities into an aquifer that may not have been properly designated as an exempt aquifer under the federal Safe Drinking Water Act. The 13267 Orders require operators to either provide specific technical information, or to provide technical justification that their injection well(s) is injecting into an exempted aquifer/zone and therefore should not receive a 13267 Order

Staff have participated in discussions with State Board staff, staff of the Division of Oil Gas and Geothermal Resources (Division), and oil field operators regarding four Aquifer Exemption applications (Elk Hills (Phases 1 and 2), McKittrick and Poso Creek). These discussion have resulted in State Board's preparation and distribution of draft concurrence letters for these exemptions.

Meetings have been held with staff from all three agencies (State Board, Regional Board, and the Division) to develop a process to address project-by-project reviews for approximately 600 existing UIC projects within the Central Valley.

Central Valley Water Board staff have recently been identified by State Board as having the lead role in reviewing Underground Injection Control (UIC), injection projects within the Central Valley Region. Staff are currently reviewing UIC projects submitted to the Division for waste water disposal into a portions of North Antelope Hills, Antelope Hills, and Round Mountain oil fields. Staff has completed joint reviews with State Board for the Edison oil field (3 separate projects), Blackwells Corner oil field, and the Buena Vista Nose area.

4. Senate Bill 4 Program (SB4)

Staff have completed three SB4 well stimulation Application package reviews, and submitted written comments to the State Board. Two Application packages were for the South Belridge oil field, and one was for the Lost Hills oil field. A total of ten Applications were reviewed. Three additional well stimulation Application packages are under review.

On 22 June 2017 the State Board conveyed Regional Board staff comments to Chevron on its groundwater monitoring exclusion proposal for well stimulations planned for the McKittrick oil field. Additional information was requested. On 27 June 2017, Staff conveyed to the State Board written comments on the review of a groundwater monitoring plan submitted by Chevron for well stimulations planned in their Lost Hills oil field.

In June, Board staff reviewed a Division of Oil, Gas, and Geothermal Resources (Division) revised and proposed Well Stimulation Application form and provided comments.

5. Food Safety

On 28 June 2017, progress of the Food Safety Expert Panel (Panel) was presented during a public meeting hosted in the Central Valley Water Board's Board room. During the meeting, several documents were circulated to the public. These documents include scopes of work for three tasks (Tasks 1-3) to be completed under oversight of the Panel, and an outline for a white paper that will be prepared after Tasks 1-3 have been completed. Central Valley Water Board staff heard comments from the public and Panel, and have been incorporating them into the documents. Updated documents will be disseminated during the next public meeting. Documents provided to the public during the meeting can be found on the Food Safety web page.

Dr. William Stringfellow, science advisor to the Central Valley Water Board, gave a presentation during the meeting on results of a citrus sampling event that took place in late March early April 2017. Central Valley Water Board staff compiled the results of laboratory analyses and compared the results to water quality data. This information was incorporated into Dr. Stringfellow's presentation. Samples were tested for a variety of constituents including metals and organics. Generally, where constituents were detected, they were detected in similar concentrations in both the treated samples (those irrigated with treated oil field produced water blended with traditional irrigation supplies) and the control samples (those irrigated only with traditional irrigation supplies). Six organic compounds were detected and discussed.

- 1,2,4 trimethylbenzene was reported in both treated and control samples in similar concentrations. Examination of the laboratory analysis information indicates the reported concentrations were false positives and due to interference from terpene, which is naturally found in citrus.
- Acetone was reported in both treated and control samples in similar concentrations and is naturally occurring in fruit.
- p-Isopropyltoluene was reported in both treated and control samples in similar concentrations and is naturally occurring in plants.
- Phenol was detected in one control sample and is naturally occurring in fruit.
- sec-Butylbenzene was reported in one treated sample at the quantitation limit and may be a false positive. It is found in cooked fruit.

The full results are being compiled by Dr. Stringfellow into a written report wherein the conclusions for the sampling event will be presented.

Dr. Laura Feinstein of the Pacific Institute gave a presentation to the Panel during the meeting. Duke University, in collaboration with the Pacific Institute and California State University, Bakersfield, have begun to conduct a study on crops grown with oil field produced water in Kern County. This study is funded by the U.S. Department of Agriculture. The Panel provided recommendations to Dr. Feinstein and her colleagues. It was noted that the researchers may collaborate with the Panel as they delve further into the study.

A fully signed copy of the Memorandum of Understanding (MOU) between the Central Valley Water Board and those irrigating with treated and blended produced water (Permit Holders) was provided to staff at the 28 June Panel meeting. Staff will finalize scopes of work for Tasks 1-3. A consultant will be chosen to complete Tasks 1-3.

Central Valley Water Board staff are planning the next round of crop sampling. During a conference call held in early July, Dr. Stringfellow, stakeholder representatives, and Central Valley Water Board staff discussed crop harvest cycles and future sampling plans. The next sampling event is anticipated to occur in July 2017.

FOREST ACTIVITIES

CAL FIRE will soon be preparing a memorandum of understanding (MOU) between the state agencies that provide staffing for the State Post-Fire Watershed Emergency Response Teams (WERT). These teams evaluate risks to human health and safety as well as threats to infrastructure and natural resources after a fire has been contained and before the winter period. The MOU is expected to address the processes for obtaining and paying for non-CAL FIRE personnel to staff the WERTs, training and qualifications, safety and personal protective equipment requirements and provisions.

CANNABIS

Operation Terminus Water Board Summary

Staffs from the Central Valley Water Board, State Water Board's Office of Enforcement, and Division of Water Rights participated in 23 inspections of cannabis cultivation sites between August 1 and August 4, 2017. The inspections were conducted as a joint exercise involving about 120 personnel with the Calaveras County Sheriff's office, California Department of Fish and Wildlife, California Highway Patrol, and the California National Guard.

The sites chosen for inspection were prioritized for potential environmental damages associated with illegal cultivation of cannabis. The Water Board's role in these inspections was to document actual and potential impacts to water quality and illegal diversions of surface water. During the course of the inspections staffs documented the following:

- 6 illegal water diversions for the use of irrigating cannabis cultivation sites
- 10 failure to file for water diversion and use
- At least 14 un-authorized watercourse crossings consisting poorly installed culvert crossings, deposition of earthen fill materials, and erosion and discharge of earthen materials from crossing fills
- Deposition of trash and other foreign materials immediately adjacent to and within watercourse channels including:
 - Fertilizers
 - Human Waste
 - Concrete
 - Soil and other earthen materials
 - Car tires
 - Scrap metal
 - Water pumps
 - Generators
- At least 8 in-stream dams for water diversion and storage
- Illicit hillside grading, including stripping of native vegetation and construction of terraces, which threaten to erode and discharge sediment to nearby watercourses totaling a minimum of 10 acres
- Improper storage of fertilizers and pesticides directly adjacent to watercourse channels

While not under the purview of the Water Boards, law enforcement officials' eradicated approximately 27,000 cannabis plants and made 35 arrests during this time. The Water Boards and the Department of Fish and Wildlife will be working with the Calaveras County DA's Office in the next couple of weeks to discuss each case and determine how to pursue criminal or administrative remedies for each of these cases.

The Operation ended with a formal well attended press conference.









GROUND WATER STRATEGY

The Addendum to the Groundwater Quality Protection Strategy (GWQ Strategy) is available on the Groundwater Quality section of the website listed below. The Addendum updates the sections of the GWQ Strategy that include statewide policies and regulations, changes or additions to the Central Valley Water Board regulatory programs, and identified completed and new actions to protect groundwater quality. The Groundwater Quality Protection Strategy, Addendum, can be found on the Groundwater Quality section of the Central Valley Water Board's website at:

http://www.waterboards.ca.gov/centralvalley/water_issues/groundwater_quality/index.shtml

The following is a brief status report of ongoing implementation of tasks for actions identified in the June 2013-2015 Workplan and Addendum.

Action 6.4.1 Develop a Salt and Nitrate Management Plan for the Central Valley. The initiative is a collaborative stakeholder effort that includes the Central Valley Water Board as a stakeholder. CV-SALTS completed a Salt and Nitrate Management Plan in December 2016. The SNMP was heard at a 9 March 2016 Board hearing, where the Board considered a resolution to accept the SNMP and whether to direct Board staff to implement basin plan amendments to implement the plan. More details on CV-SALTS activities can be found in the Salinity and CV-SALTS section of this EO report. Information is also available at: <http://cvssalinity.org/>

Action 6.4.2 Implement consistent and scientifically sound groundwater quality monitoring program. To implement this action a Groundwater Monitoring Advisory Workgroup (GMAW) composed of groundwater experts, which includes representatives from State and Regional Water Boards, USGS, academia, and private consultants was formed. The GMAW has identified several technical issues related to groundwater monitoring. The volunteer GMAW is tasked with development of white papers for each of the technical issues. Two on-going efforts are working on related issues, a statewide committee is reviewing the Antidegradation Policy and guidance on its implementation with respects to groundwater, and CV-SALTS is looking at policy issues related to assimilative capacity. The results of these two efforts may impact the approach or guidance that would be outlined in the GMAW white papers. Therefore, to avoid duplication of efforts, staff is engaged with both. Discussions are taking place to determine how best to coordinate the GMAW and CV-SALTS Technical Advisory Committee.

GMAW meeting information can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/groundwater_quality/index.shtml

Information on the State Water Resources Control Board review of the Antidegradation Policy Application to Groundwater can be found at: http://www.waterboards.ca.gov/plans_policies/antidegradation.shtml

Action 6.4.3 Implement Groundwater Quality Protection Programs through the Integrated Regional Water Management Plan Groups. The goal of this action is to leverage and expand groundwater quality program coverage through improved coordination and partnering with local regional groups that receive State funds through the Integrated Regional Water Management (IRWM) process. Efforts continue to encourage Regional Water Management Groups outreach to Disadvantaged Communities. Education on Supplemental Environmental Project funding sources that may be available for IRWM plan projects, specifically those that benefit disadvantaged communities, continues with the distribution of a factsheet that is available at:

http://www.waterboards.ca.gov/centralvalley/water_issues/enforcement/sep_apr2015_fact_sheet.pdf

On-going staff participation in IRWM groups (or Regional Water Management Groups) is included under the Public Outreach section of this EO report.

Action 6.4.5 Well Design and Destruction (Abandonment) Program. Staff has reviewed and evaluated county well ordinances. Personnel at county agencies (health departments) have been contacted to determine the specific methods currently used to oversee and enforce well standards. Staff has completed a draft report, currently under management review, that summarizes those tools and methods of well standards enforcement and addresses potential issues with some of the current well standards.

Action 6.5.1(b) Develop General Order for Poultry, Cattle, or Other Confined Animal Facilities. The goal of this action is to protect groundwater from waste associated with the operation of confined animal facilities including poultry raising and egg laying facilities, bovine feedlots (heifer ranches, beef cattle yards, etc.), and other types of confined animal facilities not covered by the Dairy General Order.

A General Order for poultry facilities was considered and adopted by the Central Valley Water Board at its December meeting.

A General Order for Confined Bovine Feeding Operations was considered and adopted by the Central Valley Water Board at its June 2017 meeting.

Action 6.5.2(a) Implementation of the Long-Term Irrigated Lands Regulatory Program (ILRP). The goal identified in the roadmap was to implement a program that establishes a groundwater protection program for wastes associated with irrigated agricultural practices. More detail on the Long-Term ILRP development and implementation can be found under the Irrigated Lands Regulatory Program section of this EO Report or found at: http://www.waterboards.ca.gov/centralvalley/water_issues/irrigated_lands/index.shtml

Action 6.5.2(b) Coordinate with California Department of Food and Agriculture (CDFA) to identify methods to enhance outreach, education, and research through CDFA's fertilizer research and education program. The goal of this action is to reduce groundwater quality impacts from use of nitrogen based fertilizing materials in agricultural, commercial, and residential applications. ILRP staff is coordinating with CDFA on the nitrogen management certification training for Certified Crop Advisors and individual growers and the development of nitrogen removed calculator for use by the agricultural coalitions. Staff is coordinating with CDFA to augment the irrigation element of the nitrogen management certification training and possibly include information on the summary reporting requirement.

Action 6.5.3 Reduce Site Cleanup backlog. The goal of this action is to reduce the number of inactive cases (i.e., the case backlog) in the Site Cleanup Program. During the 2016/2017 fiscal year, 94 open, *inactive sites were reviewed. Of these, 73 were eliminated from the backlog. This includes sites that were closed, are under another agency's lead, were assigned to staff, found to be duplicates of another site entry, or were found to be informational only.* Of the cases reviewed, 22 need additional staff time and effort on the responsible parties part to resolve, and includes 7 sites in which site information has not yet been located.

Since the backlog reduction project began, 791 sites have been reviewed, with 513 being eliminated from the backlog, and about 278 identified as requiring additional resources.

Action 6.5.4(c) Reduce backlog of existing Waste Discharge Requirements (WDRs) to be updated and new WDRs to be developed.

Staff is continuing to enroll dischargers into the state-wide Small Volume Domestic Order and include rescissions of old WDRs into regular Central Valley Water Board meeting agendas.

The State Water Board updated the state-wide general order for water recycling in June 2016. Regional Water Board staff has notified the individuals enrolled in the previous, 2014 general order and enrolled them in the new order. The new general order is a useful tool to encourage water recycling.

State Water Board staff has targeted two additional general orders for consideration (a Winery General Order and an Aggregate General Order). Region 5 staff is involved directly with the development of these general orders. Development of these orders is expected to reduce the number of backlogged applications by approximately forty, but is also expected to speed up the processing of applications for WDRs from new or expanding facilities.

Regional Water Board staff is developing white papers for two types of dischargers to begin working with the industry representatives for consideration of draft general orders. This task was a goal for fiscal year 2016/2017. But due to staff's time constraints with reviewing Local Agency Management Programs for each county in our region, substation progress will be a goal for next fiscal year.

Regional Water Board staff is also exploring the possibility of a general order for municipal/domestic wastewater treatment facilities that treat their wastewater to comply with levels necessary for water recycling. The water recycling general order is directed to the recycling of the water and does not replace the WDRs on the

dischargers with respect to effluent limits, prohibitions, specifications, etc. The hope would be an order that would complement the water recycling general order.

Staff has been tracking time to monitor effectiveness of its Lean 6 Sigma project implementation measures. Staff has found a 23% reduction in the time it takes to process and application and complete the corresponding permit. For the next fiscal year, the focus on a target for individual WDRs may be reduced and a target for getting discharges under a general order will be developed. This will help reduce the backlog of existing WDRs.

Action 6.15 Onsite Wastewater Treatment Systems (OWTS) Policy Implementation; Local Agency Management Program (LAMP) Reviews. The OWTS Policy gives Local Agencies, mostly county environmental health departments, an option to propose Local Agency Management Programs (LAMPs). The goal of these programs is to demonstrate adequacy of local codes and ordinances to meet new minimum standards both for human health and water quality protection. Draft LAMPs were due to the Central Valley Water Board by 13 May 2016. Staff received 29 of 30 LAMPs from Local Agencies within the Central Valley by the deadline, and one late submittal afterward. Staff is also responsible for reviews of 8 LAMPs that partly extend into the Central Valley, but under external Regions' jurisdictions. Staff members in the Redding, Rancho Cordova, and Fresno Offices are coordinating reviews in detail.

The OWTS Policy has a deadline of 13 May 2017 for Regional Board LAMP approvals. Central Valley Water Board staff have completed reviews of all LAMPs, and resolved all issues with local environmental health directors. Two remaining LAMPs are incomplete; we await revised versions. Staff has reviewed 5 of 8 LAMPs from external Regions and awaits requests for reviews on the remainder. Prior to public noticing and recommendation to the Central Valley Regional Board for consideration, staff requests Local Agencies to gain their Board of Supervisors' approvals, and related new code adoptions. The Central Valley Water Board has approved 21 LAMPs. Of which, 16 or 53 % were approved by the Central Valley Water board by the OWTS Policy Deadline. Local Agencies with LAMPs that lack Regional Board approvals by 13 May 2018 will regulate either under OWTS Policy Tier 1 (generally more conservative than a LAMP) or local codes, whichever is more stringent. Staff regularly updates progress on the following webpage:

http://www.waterboards.ca.gov/centralvalley/water_issues/owts/lamp_reviews/index.shtml

IRRIGATED LANDS REGULATORY PROGRAM (ILRP)

Quarterly Stakeholder Meetings

Central Valley Water Board staff holds quarterly ILRP stakeholder meetings to provide an open forum for communication between staff, agricultural coalitions, environmental justice groups, and other interested parties in Central Valley Region. The 12 July 2017 stakeholder meeting was held at the Merced Farm Bureau, and the focused discussion was on the Bovine and Dairy General Orders. More information regarding the stakeholder meetings can be found on the Central Valley Water Board ILRP website:

http://www.waterboards.ca.gov/centralvalley/water_issues/irrigated_land/regulatory_information/stakeholder_adv_isory_workgroup/index.shtml

State Water Board's Proposed Order Issued in Response to Petitions on Eastern San Joaquin Agricultural Waste Discharge Requirement. On 8 February 2016, the State Water Board issued a proposed precedential order in response to the petitions regarding the General Order No. R5-2012-0116 for growers within the Eastern San Joaquin River Watershed (SWRCB/OCC Files A-2239(a)-(c)). The State Water Board order proposed changes to the current General Order, including field-level reporting to the Water Board, domestic well monitoring, and development of numeric targets to assess nitrogen loading to groundwater. Central Valley Water Board members and staff briefed State Board members in Spring and Fall 2016, presented information during the State Board and staff Workshops, and provided written comments on the proposed order. Staff continues to meet with agricultural coalition and environmental justice representatives to discuss issues raised during the Workshops. In the various venues, staff has explained how the current ILRP components can be clarified to address the intent of the proposed order. State Water Board expects to release an updated draft order in Fall 2017, with another 45 day comment period and workshop. More information regarding the proposed State Water Board order can be found at the State Water Board [web page](http://www.swrcb.ca.gov/public_notices/petitions/water_quality/a2239_sanjoaquin_ag.shtml):

http://www.swrcb.ca.gov/public_notices/petitions/water_quality/a2239_sanjoaquin_ag.shtml

ILRP Compliance, Outreach & Enforcement

Agricultural Parcel Inspections

The purpose of these inspections is to determine if the parcels are commercial irrigated lands that require coverage under the Irrigated Lands Regulatory Program. Data gathered during these inspections will be used to focus and prioritize the issuance of 13260 directives to commercial irrigated lands that are not covered by the ILRP. Growers may obtain coverage by joining an agricultural water quality coalition and enrolling in the associated ILRP general order or enrolling in the ILRP individual general order. The table below presents parcel inspections conducted for each coalition area. Coalition areas not shown had no inspections during the reporting period.

Coalition Area	Parcel Inspections May 1 – July 3
East San Joaquin	16
Sacramento Valley	964
San Joaquin County & Delta	539
Kings River	50
Total	1,569

Water Code Section 13260 Directives

These directives are sent to owners of commercial irrigated lands as identified through staff inspections of agricultural-zoned parcels. The recipients are required to submit a Notice of Intent to obtain either group or individual regulatory coverage within 15 days of receipt of the directive. Coalition areas not shown had no directives mailed during the reporting period.

Coalition Area	Directives Mailed May 1 – July 3
East San Joaquin	269
Sacramento Valley	333
San Joaquin County & Delta	169
Kings River	12
Total	783

Notices of Violation for Failure to Respond to a Water Code Section 13260 Directive

Notices of Violation (NOVs) are sent to landowners who fail to respond to a 13260 Directive. These owners of commercial irrigated lands were previously mailed directives that required the recipients to submit proof of coalition membership or a Notice of Intent to get regulatory coverage. The NOVs give the recipients 15 days to respond or face administrative civil liability. The table below presents NOVs mailed by coalition area. Coalition areas not shown had no NOV mail outs during the reporting period.

Coalition Area	NOVs Mailed May 1 – July 3
Kaweah Basin	4
Kern River	2
Kings River	16
Tule River	9
Total	31

Notices of Violation for Failure to Submit Farm Evaluations

On 22 June 2017, Notices of Violation (NOVs) were sent to 120 Sacramento Valley Water Quality Coalition members for their failure to submit Farm Evaluations by the Board-approved deadlines of 1 March 2015 and 1 March 2016. The NOVs urge the members to promptly provide their evaluations to the Coalition or potentially face monetary penalties. Response results for the NOVs are pending.

Pre-Administrative Civil Liability Notification Letter

On 16 June 2017, staff in the Rancho Cordova office issued a pre-Administrative Civil Liability (Pre-ACL) letter to a grower for failure to respond to a 13260 Directive. Pre-ACL letters offer the recipients the opportunity to negotiate a settlement with staff and avert the issuance of an Administrative Civil Liability Complaint. This is the first time the ILRP utilized the compressed ACL process for issuance of a Pre-ACL letter. If a settlement is reached, the details of the settlement are circulated for a 30-day public review prior to the settlement being finalized and approved by the Executive Officer.

Coalition Enrollment Summary

The tables below provide the latest coalition enrollment data based on coalition member lists submitted annually to comply with the ILRP General Order requirements, subsequent voluntary updates to member lists, and Central Valley Water Board staff identified additional enrollment data. The ILRP General Orders require coalitions to provide enrollment data each July and Water Board staff requests a voluntary update in December to ensure accurate information for annual billing. Executive Officer Reports produced in months when coalitions are not required to provide member and participant information are updated using Water Board staff enrollment information.

Table 1 of 2. Coalition Enrollment Information Summary in the Sacramento, Delta, East and Western San Joaquin River Watersheds*

Coalition Group	CA Rice* Comm.	East San Joaquin	Grasslands Drainage Area	Sacramento Valley	San Joaquin Co. & Delta	Western San Joaquin R.	Totals
Participating Growers							
Number of Growers, Pre-Order	2,500	2,225	N/A	7,888	3,256	2,450	18,319
Number of Growers, Participant List (2016)*	2,500	3,524	89	8,300	3,609	2,527	20,549
Number of Growers Enrolling Land Due to Directive/eNOI (May 3, 2017 – July 6, 2017)***		12		14	4	1	31
Enrolled Acreage							
Number of Acres, Pre-Order	544,468	535,653	N/A	1,183,491	348,200	467,625	3,079,437
Number of Acres, Participant List (2016)*	536,000****	697,423	80,859	1,330,502	413,126	433,324	3,491,234
Number of Acres, Annual Fees (2016-2017)**	536,000****	698,701	80,859	1,330,502	413,126	433,324	3,492,512
Number of Acres added due to Directive/eNOI (May 3, 2017 – July 6, 2017)***		789		1,613	240	342	2,984

* Grower participant lists are updated yearly by the Coalition Group on 31 July.

** Grower annual fees are submitted yearly by the Coalition Group in Jan-Feb for the fiscal year. Annual Fees only report irrigated acres and do not report participants.

*** Growers and acres calculated by staff on 6 July 2017.

****Per the Order, the CA Rice Commission is not required to submit a participant list and the acreages are updated annually for fees.

Table 2 of 2. Coalition Enrollment Information Summary for the Tulare Lake and Western Tulare Lake Basins

Coalition Group	Buena Vista	Cawelo	Kaweah Basin	Kern River	Kings River	Tule Basin	Westside	Westlands	Total
Participating Growers									
Number of Growers, Pre-Order	3,794 (Southern San Joaquin Water Quality Coalition)							1,070	4,864
Number of Growers, Current Participant List (2016)*	40	89	1,290	781	4,819	1,044	41	1,276	9,380
Number of Growers Enrolling Land Due to Directive/eNOI (May 1, 2017 – July 3, 2017)***	0	0	2	2	25	3	0	0	32
Enrolled Acreage									
Number of Acres, Pre-Order	957,362 (Southern San Joaquin Water Quality Coalition)							507,489	1,464,851
Number of Acres, Current Participant List (2016)*	30,960	34,877	163,554	524,804	773,473	232,012	99,100	489,698	2,348,478

Number of Acres, Previous Annual Fees (2015-2016)**	30,788	34,524	163,422	522,776	761,019	225,018	99,761	490,495	2,327,803
Number of Acres added due to Directive/eNOI (May 1, 2017 – July 3, 2017)***	0	0	53	224	1,682	81	0	0	2,040

* Grower participant lists are updated yearly by the Coalition Group on 31 July.

** Grower annual fees are submitted yearly by the Coalition Group in Jan-Feb for the fiscal year. Annual Fees only report irrigated acres and do not report participants.

*** Growers and acres calculated by staff on 3 July 2017

Sacramento River Watershed Coalition Groups

California Rice Commission

On 21 September 2016, Water Board staff provided informal comments to the California Rice Commission on the draft Quality Assurance Project Plan (QAPP) update submitted on 27 May 2016. A revised QAPP addressing the staff comments was submitted on 4 May 2017 and is currently under staff review.

Sacramento Valley Water Quality Coalition

On 4 May 2017, the Executive Officer approved the Sacramento Valley Water Quality Coalition's (SVWQC) surface water quality management plan (SQMP) for copper in Pine Creek in the Butte-Yuba-Sutter Subwatershed. The SQMP is a site-specific management plan that will be included as an addendum to the Coalition's Comprehensive SQMP.

On 19 June 2017, the Executive Officer approved the Sacramento Valley Water Quality Coalition's (SVWQC) surface water quality management plan (SQMP) for Chlorpyrifos in Ulatis Creek in the Dixon-Solano Subwatershed. The SQMP is a site-specific management plan that will be included as an addendum to the Coalition's Comprehensive SQMP.

On 30 June 2017, SVWQC submitted their 2016 Farm Evaluation Summary Report and 2016 Nitrogen Management Plan Summary Report. The plans are under staff review.

San Joaquin River Watershed Coalition Groups

East San Joaquin Water Quality Coalition

On 1 June staff received the Coalition's Quarterly Monitoring Data Report for October to December, 2016.

On 22 June, staff held a meeting with Coalition representatives to discuss the Pesticides Evaluation Protocol. During the meeting, the Coalition outlined a process for selecting pesticides and presented an implementation example of the Pesticides Evaluation Protocol. On 6 July, staff and the Coalition representatives held another meeting to discuss staff comments on the draft pesticides monitoring proposal and toxicity monitoring strategy.

On 24 June, staff received the East San Joaquin Water Quality Coalition's Proximity to Tertiary Tributaries Analysis Report. The Proximity Analysis is submitted in response to the conditional approval of the Coalition's Sediment Discharge and Erosion Assessment Report (SDEAR) Work Plan to address the risk of sediment discharges from parcels adjacent to waterbodies. The report is currently under staff review.

On 30 June, staff received the East San Joaquin Water Quality Coalition's Nitrogen Management Plan Summary Report Analysis. The Analysis provides a statistical summary of the Nitrogen Management Plan Summary Report results submitted to the Coalition by growers for the 2016 growing season. The report is currently under staff review.

On 30 June, the Coalition requested to replace two monitoring locations, Dry Creek @ Wellsford Rd and Merced River @ Santa Fe, due to unstable streambank conditions at Dry Creek @ Wellsford Rd and new parking restrictions at Merced River @ Santa Fe. The request and the submitted evidence are under staff review.

San Joaquin County and Delta Water Quality Coalition

On 1 May, staff received the San Joaquin County and Delta Water Quality Coalition's Annual Monitoring Report for the reporting period 1 October 2015 through 30 September 2016 per its Order. The AMR is under staff review.

On 1 June, the San Joaquin County and Delta Water Quality Coalition (Coalition) submitted its Quarterly Monitoring Data Report for the period between October and December 2016, as required by Order.

Westside San Joaquin River Watershed Coalition

On 14 April, the Coalition submitted its third revised Comprehensive Surface Water Quality Management Plan (SQMP), in response to staff feedback on revisions needed to the second revised version (31 January version). A 30-day public comment period was provided from 17 May to June 16; no comments were received. The third revised version is under final staff review.

On 18 May 2017, the Executive Officer approved the Coalition's 2017 Monitoring Plan Update (MPU). The MPU updates the Coalition's monitoring plan for the period of March 2017 through February 2018. The next MPU is due by 15 January 2018 and a pesticide monitoring proposal is due by 15 December 2017.

On 2 June 2017, the Executive Officer approved the Coalition's 30 November 2016 Nitrogen Management Plan (NMP) Summary Report Analysis for the 2015 Crop Year. At the time that the report was prepared, the Coalition had 59% of NMPs from members that were complete and/or accurate. Subsequently, the Coalition was able to obtain NMP summary reports from all remaining coalition members. The Coalition and Board Staff are taking steps to ensure more complete reporting for the next NMP Summary Report submittal.

On 16 June 2017, the Executive Officer approved the Coalition's Groundwater Quality Management Plan. The revised plan, which was submitted on 8 June 2017, addresses comments provided by the Executive Officer in the conditional approval issued on 4 May 2017.

Grassland Drainage Area Coalition

On 16 January 2017, the Comprehensive Groundwater Quality Management Plan (GQMP) for the Grassland Drainage Area was submitted to the Central Valley Water Board. On 11 May 2017 Water Board staff sent informal comments on the draft GQMP to the Coalition. Staff is currently waiting for the revised draft.

On 15 May 2017, the Grassland Drainage Area Coalition submitted the Basin Plan Amendment Workplan. The workplan was submitted to request that groundwater in specific high vulnerability areas be de-designated for beneficial uses where they would not be supported even in the absence of the discharge of waste. The workplan is currently under staff review.

Tulare Lake Basin Coalition Groups

Buena Vista Coalition

On 30 March representatives of the Buena Vista Coalition accompanied Water Board staff during the inspection of a growing operation in Kern County. The inspection confirmed the completion of required forms (e.g., Farm Evaluation and Nitrogen Management Plan) and evaluated site conditions for compliance with the General Order requirements. The grower was provided a summary report of the inspection, which communicated any issues noted by staff or corrective actions needed.

Kaweah Basin Water Quality Association

On 22 June representatives of the Kaweah Basin Water Quality Association accompanied Water Board staff during the inspection of a growing operation in Tulare County. The inspection confirmed the completion of required forms (e.g., Farm Evaluation and Nitrogen Management Plan) and evaluated site conditions for compliance with the General Order requirements. The grower was provided a summary report of the inspection, which communicated any issues noted by staff or corrective actions needed.

Tule Basin Water Quality Coalition

On 23 May, 27 June, and 28 June representatives of the Tule Basin Water Quality Coalition accompanied Water Board staff during the inspection of growing operations in Tulare County. The inspections confirmed the completion of required forms (e.g., Farm Evaluations and Nitrogen Management Plans) and evaluated site conditions for compliance with the General Order requirements. The growers were provided a summary report of the inspection, which communicated any issues noted by staff or corrective actions needed.

Westlands Water Quality Coalition

On 1 June representatives of the Westlands Water Quality Coalition accompanied Water Board staff during the inspection of a growing operation in Fresno County. The inspection confirmed the completion of required forms (e.g., Farm Evaluation and Nitrogen Management Plan) and evaluated site conditions for compliance with the General Order requirements. The grower was provided a summary report of the inspection, which communicated any issues noted by staff or corrective actions needed.

Other Projects

Data Management

Data collected prior to 2009 will continue to be available on the ILRP surface water quality data webpage until those sets are processed and transferred to CEDEN. Staff is currently processing the Westside SJ River, California Rice Commission, and Sacramento Valley Water Quality Coalition data collected between 2004 and 2008. Once complete, this set will complement the existing data on CEDEN providing all of the data submitted by the coalitions since program inception.

The Data Management team has continued reviewing data deliverables, although the data has not been loaded into the database due to the loss of CVRDC and Moss Landing contracts. Consequently, there are approximately 60 data sets yet to load from various coalitions.

In June, the electronic data deliverable review process was changed to accommodate the loss of the CVRDC's and Moss Landing services due to contract issues. The CVRDC and Moss Landing formerly maintained the database and uploading to CEDEN. Consequently, Staff is coordinating with the Office of Information Management & Analysis: SWAMP Data Management Services. Staff will need to convert all the data deliverables from CEDEN format to SWAMP format. Staff will now route the data deliverables through the SWAMP checker in SWAMP template format before the data is loaded into the SWAMP Data Warehouse. The SWAMP team will then transfer the data to CEDEN. It is expected to take approximately two weeks for data to be loaded from SWAMP to CEDEN.

Grassland Bypass Project

On 31 August 2015, the U.S. Bureau of Reclamation submitted the draft Quality Assurance Project Plan for the Compliance Monitoring Program for the operation of the Grassland Bypass Project for staff review. As required by the Order, the draft Plan specifies the sampling and analytical procedures that must be followed by Grassland dischargers. However, some omissions were noted by staff. A revised QAPP was submitted on 27 April and comments provided by the State Water Board's Quality Assurance Officer were sent to the Bureau. The Quality Assurance Officer's comments must be addressed before the QAPP can be approved.

On 2 May 2017, the 2016 Annual Monitoring Report for the Grasslands Bypass Project was received by the Water Board. On 18 May, staff provided informal comments on the report to the Steering Committee. A revised draft was submitted on 15 June and is currently under staff review.

Norman's Nursery

On 5 May 2017, staff participated in a site visit with Norman's Nursery representatives near Linden, CA. UC Extension specialists and a SJ Delta Coalition representative were also present. Nursery staff provided a tour of the grounds and discussed their irrigation system, points of drainage and monitoring locations. Participants agreed that a management plan should be developed to address surface water and shallow groundwater nitrate exceedances observed during 20 years of monitoring under MRP 97-811. Subsequently, the SJ Delta Coalition

agreed to oversee development and implementation of a nitrate management plan in coordination with the Nursery. On 16 June 2017, the Executive Officer rescinded MRP 97-811 and issued a letter to the SJ Delta Coalition requiring the Coalition and Nursery to work together to develop and implement a management plan to address the nitrate exceedances. A management plan outline is due by 31 July 2017.

Rice Pesticide Program

Thiobencarb monitoring for the 2017 rice growing season commenced on 3 May 2017. The monitoring season typically lasts for 10 weeks with weekly sampling conducted in weeks 1-3 and 8-10, and biweekly sampling conducted in weeks 4-7. Monitoring for the 2017 season is expected to conclude in mid-July.

NON POINT SOURCE (NPS)

1. Clear Lake Nutrient Control Program Update

Staff is developing a status update report for the Clear Lake Nutrient Control Program for public review in fall 2017. Staff issued California Water Code Section 13267 Orders in 2016 to the five parties responsible for implementing the TMDL load and waste load allocations for phosphorus in order to document completed and ongoing activities. The parties include the U.S. Forest Service, U.S. Bureau of Land Management, Lake County Department of Water Resources, Caltrans, and irrigated agriculture. The parties submitted technical information that describes best management practices and other management measures the parties have implemented since June 2006, and plan to implement, to reduce phosphorus loads to Clear Lake. Staff is assessing the submissions and compiling additional information to determine compliance with the TMDL load and waste load reductions.

In addition, staff is evaluating the need and options for amending portions of the Nutrient Control Program including the compliance date (19 June 2017). Although many implementation activities have been completed and are in progress, available information indicates it is not possible to attain all allocations by the compliance date, primarily due to delays in acquiring funding to complete the Middle Creek Flood Damage Reduction and Ecosystem Restoration Project. Modelled projections for the Restoration Project indicated that completion would remove about a fifth of the phosphorus load entering the lake (about 40% of the phosphorus reduction needed from nonpoint source discharges). Staff will conduct outreach meetings in summer 2017, including a public outreach meeting in Lake County on 28 August 2017, to receive public input on current and future implementation efforts, as well as potential amendment alternatives and their potential environmental impacts.

2. Cyanobacteria Bloom Notification and Response

Cyanobacteria and other harmful algae blooms (cyanoHABs) have become more frequent across the state and in Central Valley waters. The Central Valley Water Board's Cyanobacteria Coordinator, Christine Joab, coordinates notification of water body managers, local public and environmental health agencies, and drinking water purveyors when a cyanobacteria bloom is reported to the Water Board. In 2016, staff received twenty-one reports of suspected cyanoHABs occurring in Central Valley waterways with sixteen of them confirmed as cyanoHABs. The blooms occurred mostly in lakes and reservoirs. However, a few of the blooms occurred in rivers (e.g., San Joaquin River) and Sacramento-San Joaquin Delta channels.

Staff have already received thirteen reports of suspected blooms in Central Valley waterways in 2017 with ten of them confirmed as cyanoHABs. In May and June, the number of cyanobacteria bloom events increased substantially. Staff responded to four blooms in May and seven blooms in June. Blooms are re-occurring in waterbodies that experienced blooms last year (e.g., Lake Isabella, Clear Lake, and Discovery Bay). However, blooms are also occurring in new areas such as the Stone Lakes National Wildlife Refuge, Blue Lakes, and a private ski lake. The table below summarizes the suspected and confirmed cyanobacteria blooms reported to the Central Valley Water Board in 2017.

The California Water Quality Monitoring Council's new web-based portal "[Are harmful algal blooms affecting our waters?](#)" tracks blooms occurring across the state. The HAB Portal provides useful information to the public and guidance and resource documents to local waterbody managers and health agencies. For example, the HAB Portal contains useful fact sheets such as the new "[Blue-Green Algae: A Veterinarian Reference](#)", which provides important information to veterinarians on how to identify if an animal has been exposed to cyanobacteria and toxins, what clinical signs to look for, how to diagnose the exposure, and potential treatment options. Unfortunately, California has already had three dog deaths occur this year related to exposure to cyanobacteria and its toxins, so it is important that the public and the veterinarian hospitals be aware of the risk and know what to do and look for when a pet falls ill after recreational exposure.

Summary of Suspected and Confirmed Central Valley Cyanobacteria Blooms in 2017					
Month	Report Name	Report Status	Cyanobacteria (<i>Genera</i>) Identified	Toxin Detected	Site Previously Reported in 2016¹
March	Oakwood Lake, Manteca (ID 1511)	Closed	Aphanizomenon, Woronochinia, Dolichospermum, Pseudanabaena	No toxin detected	No
March	Lake Clementine, Auburn (ID 1516)	Closed	No cyanobacteria found in sample	N/A	Yes
May	Clear Lake, Lake County (ID 1530, 1533, 1541)	Open	Dolichospermum	Microcystin	Yes
May	Natomas East Main Drain Canal (Steelhead Creek), Sacramento (ID 1531)	Closed	Unknown, site not accessible for sampling	N/A	No
May	San Luis Reservoir, Merced County (ID 1534)	Open	Dolichospermum, Aphanizomenon, Microcystis, Pseudanabaena	Microcystin	Yes
May	Barker Slough Pumping Plant, Dixon (ID 1537)	Closed	Dolichospermum, Pseudanabaena	Microcystin	No
June	Unnamed Ski Lake, Orland (ID 1542)	Open	Lyngbya, planktothrix, (one fragment of Dolichospermum)	Anatoxin-a	No
June	Black Butte Lake, Orland (ID 1543)	Open	Dolichospermum, Aphanizomenon, Geosmin	Anatoxin-a	No
June	Blue Lakes, Lake County (ID 1556, 1568)	Open	Dolichospermum	Microcystin, Anatoxin-a	No
June	Lake Isabella, Kern County (ID 1558, 1559)	Open	Dolichospermum	Microcystin	Yes
June	Stone Lakes National Wildlife Refuge, Sacramento (1560)	Open	Dolichospermum, Planktothrix, Aphanizomenon	Anatoxin-a, Cylindrospermopsin, Microcystin, Saxitoxin	No
June	Discovery Bay, Contra Costa County (ID 1539, 1565)	Open	Not identified	Microcystin	Yes
June	Four Island Lake, Kern County	Closed	Unknown, private lake managed by HOA	N/A	No

¹ The 'site previously reported' column only identifies if the site had a reported bloom in 2016. This is not meant to imply that a bloom did not occur there in previous years. It only indicates if one was reported to the Water Boards.

GRANTS

Technical Assistance – Support Needs of Small Disadvantaged Communities (DACs)

The State Water Board has contracts in place with Rural Community Assistance Corporation, California Rural Water Association, and Self-Help Enterprises to provide technical assistance to small disadvantaged communities for drinking water and wastewater treatment services. A new Proposition 1 Technical Assistance Program is now available to address Small DACs drinking water, wastewater, groundwater quality, and stormwater needs under one program. For information on eligible activities visit the Office of Sustainable Water Solutions website at: http://www.waterboards.ca.gov/water_issues/programs/grants_loans/sustainable_water_solutions/index.shtml

Current Funding administered through State Water Board

There are several financial assistance programs that are currently accepting applications for loan and grant funding for construction of municipal sewage and water recycling facilities, remediation for underground storage tank releases, watershed protection projects, nonpoint source pollution control projects, etc. More information can be found on the State Water Board's Division of Financial Assistance website and clicking on the Current Funding tab:

http://www.waterboards.ca.gov/water_issues/programs/grants_loans/

Staff continues to stay apprised of the various funding sources for water quality improvement projects to provide information to stakeholders as appropriate.

Storm Water Grant Program (SWGP) Proposition 1

The State Water Board is currently reviewing Storm Water Implementation Grant applications. Approximately \$80 million will be available for implementation projects in this first round of funding. Eligible project types include multi-benefit storm water management projects which may include, but shall not be limited to, green infrastructure, rainwater and storm water capture projects and storm water treatment facilities. Region 5 staff assisted the State Water Board in the grant proposal review process. The funding list may be seen at: http://www.waterboards.ca.gov/water_issues/programs/grants_loans/swgp/docs/prop1/prop1_swgp_imp_r1_funding_list_approval.pdf

2017 Federal NPS Grant Solicitation

Approximately \$4 million is available for this solicitation 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. Full proposals were submitted January 20, 2017. Sixteen proposals were submitted statewide with one Central Valley project. Successful proposals will be announced mid-April. For more information and to review solicitation guidelines, please visit:

http://www.waterboards.ca.gov/water_issues/programs/nps/solicitation_notice.shtml

Clean Water Act §319(h) Nonpoint Source On-going Grants:

Mercury on a Landscape Scale: Balancing Regional Exports with Wildlife Health (\$749,500) – The Bureau of Land Management is using pilot-scale deep ponds in the Consumes River Preserve to test water flow strategies for removing methylmercury produced in managed wetlands as the Preserve has an ideal matrix of replicate seasonal wetlands to evaluate potential management practices to reduce methylmercury concentrations. This grant is in the processing of closing. (end date 6/30/17)

Implementation of Agricultural Best Management Practices in Alfalfa, Almonds, and Cotton that Aid in Restoration of the San Joaquin River Watershed (\$749,997) – The Sustainable Cotton Project will continue work engaging more farmers of alfalfa, cotton, almonds and more acres in the Lower San Joaquin River watershed in implementing proven best management practices. There is an adopted chlorpyrifos and diazinon TMDL for the watershed. This grant works to reduce or eliminate farmers' use of diazinon and chlorpyrifos. (end date 6/30/19)

Eightmile Valley Sediment Reduction and Habitat Enhancement Project (\$749,992) – The Bureau of Land Management will reduce the volume of sediment delivered to Clear Lake by realigning a severely eroded stream

channel, establishing a prescriptive treatment for erosion control, installing grade control structures and engineering bank revetment using hardscape, bioengineering and revegetation. (end date 5/31/2019)

Timber Regulation and Forest Restoration Fund On-going Grants:

Ponderosa Way Road Assessment and Sediment Reduction Plan (Phase 1) (\$300,000) – The Resource Conservation District of Tehama County will prepare an Action Plan to reduce sedimentation from two miles of Ponderosa Way and another eight miles of roads upslope and/or downslope of Ponderosa Way within the Battle Creek Watershed, implement one project to reduce sediment inputs to Battle Creek and prepare CEQA document for future road fixes. (end date 4/30/2018)

Ponderosa Way Road Assessment and Sediment Reduction Plan Phase II) (\$500,000) – The Resource Conservation District of Tehama County will conduct a road-related sediment survey on Ponderosa Way in Eastern Tehama County between State route 36E and State Route 32E (Project Area), prepare a fully-permitted, shovel-ready sediment reduction plan for the Project Area, and implement one or more demonstration projects in the Project Area. (end date 4/30/2019)

Battle Creek Watershed Based Plan (\$492,000) – The Battle Creek Watershed Conservancy will develop a Watershed-Based Plan and implement a sediment reduction demonstration project in the Battle Creek Watershed. (end date 4/30/2018)

Post-Fire Response to Forest Management (\$329,519) – The California Department of Forestry and Fire Protection will quantify the effects of post-fire management practices such as logging, ripping, and herbicide application on stormwater runoff rates, sediment delivery, organic matter transport, and soil properties in the Boggs Mountain Demonstration State Forest. (end date 4/30/2019)

Roadside Fuel Reduction (\$370,000) – The Yuba County Public Works Department will construct 185 acres of shaded fuel breaks along 30 miles of Yuba County roadways in the Yuba foothill state recreation areas in order to enhance fire safety and prevent water quality degradation that results from wildfires. (end date 4/30/2019)

PUBLIC OUTREACH

On 2 May, Anthony Toto, participated in a conference call, , the Kern Environmental Enforcement Network (KEEN) task force meeting to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members. Anthony emailed the director information regarding septic pumping permitting by Kern County and Oil Fields - Food Safety link regarding use of produced water from oil fields.

On 4 May, Janis Cooke and Christine Joab attended the Delta Nutrient Research Plan's Drinking Water Workgroup meeting. The focus of the meeting was to review the draft Drinking Water White Paper and to identify and refine potential research studies to be incorporated into the white paper.

On 8 May, Bethany Soto attended the Madera Integrated Regional Water Management (IRWM) meeting. The meeting focused on Mountain Counties and the San Joaquin Valley IRWM's progress of Prop. 1 Disadvantage Community Involvement Funding through the Department of Water Resources (DWR). The group discussed the status of Madera County's Groundwater Sustainability Agencies (GSAs) and sub-basin boundaries that have been developed and identified per requirements of the State Water Resources Control Board's Sustainable Groundwater Management Act (SGMA).

On 9 May, Anthony Toto attended the Fresno Environmental Reporting Network (FERN) task force meeting to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members. Anthony emailed the director information on the CALEPA complaint website and information on water treatment systems from the Division of Drinking Water website.

On 10 May, Christine Joab attended the State Water Board's Biostimulatory/Biointegrity Regulatory Workgroup meeting. The focus of the meeting was to discuss the outcome from the Science Advisory Panel meeting, provide feedback and discussion on the work plan for the Channels in Developed Landscapes work effort, and to discuss the regulatory workgroup's involvement in the development of the implementation plan.

On 10 May, Lynn Coster and Rebecca Tabor attended the Shasta Tehama Water Education Coalition's meeting in Red Bluff. Discussions included On-Farm Inspections and Nitrogen Management Plan Summaries.

On 15 May, Janis Cooke and Christine Joab hosted the Delta Nutrient Stakeholder and Technical Advisory Group meeting at the Central Valley Water Board's office. The focus of the meeting included the presentation of the Drinking Water Workgroup's draft white paper and a review of comments received on the draft nutrient and phytoplankton report.

On 18 May, Guy Chetelat participated in a Sacramento River Forum and California Department of Water Resources (DWR) meeting regarding CEQA requirements for the Rio Vista Side Channel Restoration Project near Red Bluff. The project will restore flow through historic side channels to enhance rearing of juvenile salmon.

On 23 May, Christine Joab attended EPA's webinar, *Success Stories of HABs Prevention, Control and Management Techniques*. Mini presentations were provided on different mitigation techniques used across the country to prevent, control and manage cyanoHABs. These techniques included floating wetlands for urban and agriculture runoff, barley straw, clay flocculation, peroxide and permanganate, and alum. The final presentation was on the topic of how to choose a remediation approach, which was demonstrated through a case study on using first principles and mass balance to remediate a cyanoHAB problem in a small pond.

On 31 May, Christine Joab attended a workshop hosted by the San Francisco Estuary Institute on Harmful Algal Blooms in San Francisco Bay. The objective of the workshop was to receive input from expert panelists on the latest observations of cyanoHABs in San Francisco Bay to improve the understanding of ecological effects of cyanoHABs in the region.

On 31 May, Lynn Coster, Brett Stevens, and Rebecca Tabor attended SVWQC's monthly meeting in Elk Grove. Rebecca gave a presentation summarizing the Surface Water Management Plans completed in the 2016-2017 fiscal year; and Brett updated attendees on compliance and enforcement activities in the Sacramento Valley.

On 31 May, Guy Chetelat participated in a Sacramento Forum led visit of the Rio Vista Side Channel Restoration Project near Red Bluff. Water quality protection measures and habitat goals were discussed for the project.

On 1 June, Holly Grover, Taran Sahota, Christine Joab, and Michelle Wood attended the Clear Lake Cyanobacteria Task Force meeting. Meeting topics included a number of updates on specific projects such as the Clear Lake cyanotoxin monitoring program conducted by the Elem Indian Colony and the Big Valley Band of Pomo Indians (Big Valley Rancheria), the Clear Lake Watershed Sanitary Survey Project, U.S. EPA's One Health and Cyanobacteria Study, the Clear Lake Nutrient TMDL, and Lake County Water Resources Department's nutrient monitoring efforts. The meeting concluded with a roundtable discussion on interagency collaboration, resource needs, and posting of health advisory notices during bloom events.

On 5 June, Cori Hansen and other Central Valley Water Board staff in collaboration with Lahontan Water Board staff, initiated the first public outreach effort associated with the development of nonpoint source permits for lands managed by the USDA Forest Service (USFS) or Bureau of Land Management (BLM). A webpage was developed for the project: www.waterboards.ca.gov/federalNPSpermit. Additionally, an email notification was distributed to stakeholders from several Water Board affiliated email subscription lists relating to nonpoint source discharges on federal lands. The email included a Fact Sheet with several questions and answers relating to development of the permit and a short survey to help gauge stakeholder interest in the project.

On 5 June, Bethany Soto participated at the Tulare Basin Integrated Regional Planning Effort, which is a group of IRWM practitioners from the Tulare - Kern Funding Area. The meeting focused on the IRWM grant implementation status of each of the individual practitioners, coordination with DACs within the Tulare Basin, and an update on formation of groundwater sustainability agencies within the Tulare - Kern funding area. Additionally, Assembly Bill 401 was discussed, which mandates the State Water Resources Control Board to prepare a plan to establish a low income rate assistance program that could fund the Disadvantaged Communities (DACs) identified in the IRWM groups. The IRWM practitioners are creating ideas on how to best utilize the AB 401 information for the DACs.

On 6 June, Bethany Soto participated at the Poso Creek IRWM Plan Implementation meeting. The meeting focused on the status reports of projects and updating the IRWM plan to include a water quality section. Staff from the Division of Drinking Water will be assisting in developing the water quality section of the IRWM plan. The group further discussed the DAC needs with water quality support through SWRCB's low income rate assistance program. Lastly, members are in the process of seeking out additional projects for funding for 2018 IRWM implementation funds.

On 6 June, Christine Joab attended the EPA webinar, *Tools for Cyanobacteria and Cyanotoxins in Freshwater Systems*, which focused on tools and resources for public water systems, local, state, tribes, and public health agencies for managing cyanobacteria and cyanotoxins in drinking and recreational water.

On 6 June, Anthony Toto, participated via conference call in the Kern Environmental Enforcement Network (KEEN) task force meeting to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members.

On 7 June, Rebecca Tabor attended Sediment and Erosion Control Plan (SECP) Grower Self-Certification Training hosted by the Shasta-Tehama subwatershed. The training provided general knowledge of sediment and erosion control in agricultural settings and information on how to complete and certify a SECP. An examination for grower certification followed the training.

On 12 June, Janis Cooke and Christine Joab hosted the Delta Nutrient Stakeholder and Technical Advisory Group meeting at the Central Valley Water Board's office. The focus of the meeting included a discussion and vote by the members to accept the draft nutrient and phytoplankton report as final, update the members on the efforts to prioritize research recommendations, and report out to members on a new modeling effort for the Delta between the San Francisco Bay Regional Board and the Central Valley Regional Board.

On 13 June 2017, Anthony Toto attended the Fresno Environmental Reporting Network (FERN) task force meeting to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members.

On 16 June, Rebecca Tabor attended a Nitrogen Management Plan self-certification course in Corning sponsored by the California Department of Food and Agriculture's Fertilizer Research and Education Program (FREP). An examination for grower certification followed the training.

On June 16, Clint Snyder briefed the USEPA regarding Central Valley Water Board and Lahontan Water Board efforts to develop permits that will address nonpoint source pollution on federal lands managed by the US Forest Service and BLM. The briefing was provided via phone during a standing State Board/USEPA meeting. Tomas Torres, Director, and Nancy Woo, Deputy Director, Water Division, USEPA Region 9 were present during the briefing. While there weren't a lot of questions, feedback was positive. EPA noted that the project was ambitious but offered their support, and saw this as a beneficial tool to address impacts to water quality they felt were outside their purview.

On 21 June, Melissa Buciak and Kate Burger, along with California Department of Toxic Substance Control (DTSC) and Shasta County staff sent a Frequently Asked Questions document to approximately 570 residents which provided information regarding activities related to the Record Range Training Facility (Record Range). Shasta County Peace Officers Association (SCPOA) operates the Record Range, a cooperative law enforcement training facility (shooting range) located in an unincorporated area near the western boundary of the City of Redding. SCPOA and Central Valley Water Board staff have been working together to manage storm water runoff from the Record Range and to otherwise respond to community member complaints received between May and August 2015. These complaints pertained to water quality, lead concentrations in soil, and Record Range activities. The complaints are in the regulatory jurisdiction of several agencies, including the Central Valley Water Board, DTSC, and Shasta County.

On 21 June, Bethany Soto participated at the Upper Kings Basin Integrated Regional Water Management Authority (KBWA) Advisory Committee Meeting. The meeting discussed Department of Water Resources' (DWR) new grant process and how it may affect the group's future submissions of grant proposals. The IRWM Plan Project List is being updated. Additional projects may be added after approval from the group's governing board. Assistance through Provost and Pritchard continues for the development of a storm water resource plan for inclusion in an update to the IRWM plan for the next Prop. 1 IRWM Planning Grant funding cycle.

On 23 June, Guy Chetelat attended the Upper Feather River Integrated Regional Water Management (IRWM) directors meeting in Quincy. The meeting covered Butte County and Plumas County disadvantaged community (DAC) coordination with the goal of better meeting needs of small, diverse and dispersed DACs, and making DAC linked projects more competitive for State grants. Local funding of IRWM activities in rural regions with shrinking populations and economies is a significant challenge.

On 28 June, Dani Berchtold gave a presentation to City of Redding municipal storm water staff titled "Storm Water Pollution Prevention for Municipal Operations." The audience included staff from Public Works and other departments that conduct municipal operations throughout the city.

On June 29, Adam Laputz participated in a tour of agriculture operations in the Kings River Coalition area. This tour focused on small farming operations compliance concerns; management practices evaluation program projects; agricultural research projects; irrigated lands program and SGMA coordination; and practices being employed to recharge groundwater when excess surface water is available. The tour included visits to several local ranches and also the UCCE Kearney Research and Extension Center.

On June 30, Adam Laputz participated in a tour of the Grasslands Salinity Demonstration Project, and also viewed surface water sampling locations for the Westside Coalition. This tour focused on aspects of the demonstration project such as agricultural tailwater collection, treatment unit processes, reuse lands and crops, and ultimately discussion regarding options for managing salts in the Westside. Discussion also included a review of Central Valley Water Project design and functionality and how this fits in with Central Valley agricultural water

quality; tour of surface water sampling locations within the Grasslands Bypass; and viewing of the termination point of the Grasslands Bypass.

On 11 July, Scott Hatton, met with the Kings County Economic Development Corporation to discuss permitting requirements for a potential large solar cell manufacturing company from China that is looking for a location to build a new facility. The meeting discussed what types of permits are applicable, how to apply for a permit, and the anticipated timeframe of receiving the permit.

PERSONNEL AND ADMINISTRATION

STAFFING UPDATE

May 6, 2017 through June 30, 2017

Promotion:

None

Leave of Absence:

None

Retirement:

Lonnie Wass, Supervising Water Resource Engineer

Authorized Positions: 249.7

Vacant Positions: 13

Separations	New Hires
Jacqueline Matthews, Environmental Scientist Tessa Fojut, Environmental Scientist Charlotte Nohra, Environmental Scientist	Nicholas White, Water Resource Control Engineer Ben Lehmann, Engineering Geologist Marisol Gonzalez, Engineering Geologist Tranjot Sahota, Environmental Scientist Jeffrey Robins, Water Resource Control Engineer Trevor Goines, Water Resource Control Engineer

Temporary Help Positions

Separations	New Hires
Whitney Brown, Engineering/Architectural Student	Sara Saelee, Scientific Aid Michael Montanus, Scientific Aid Sarena Keosavang, Scientific Aid Jeffrey Furguson, Scientific Aid Debbie Behnke, Seasonal Clerk Emma Hansen-Smith, Scientific Aid

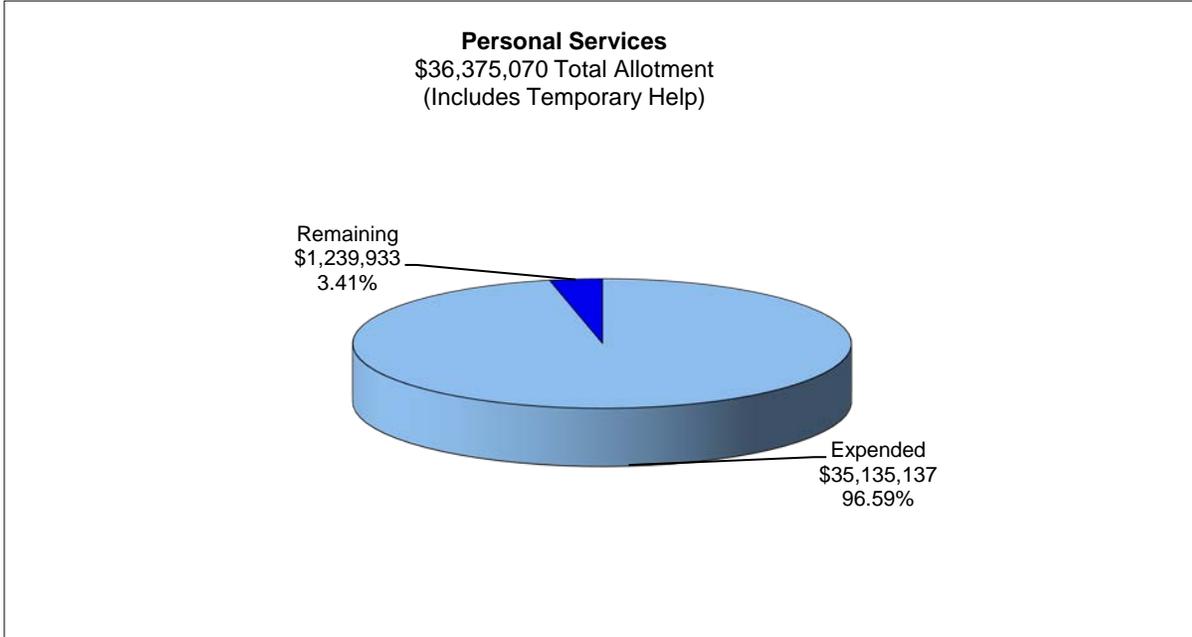
TRAINING UPDATE
May 6, 2017 through June 30, 2017

Class Title	Number of Attendees
Groundwater Statistics for Environmental Project Managers	2
Defensive Drivers Training	9
Being a Leader: Taking Initiative	7
State Supervisory Training Certificate Program	1
AED/CPR American Heart Association Heartsaver AED Training	37
First Aid-Field Safety/Wilderness Injuries: Be Prepared	25
MTBE and TBA Workshop	1
Editing for Staff	3
Essential Analytical Skills	1
ity Awareness Training 2017	1
40-Hour HAZWOPER 06/05/2017	1
Introductory Professional Writing	6
Building a Motivated Workplace	3
Concepts of Bioassessment and Swamp Field Procedures	3
Legal Presence of Tribal Governments within State Boundaries	4
Social and Cultural Issues	1
California Certified Crop Advisor Exam Prep Workshop	1
PTR 101: Pretreatment Training for Regulators	1
HazMat Technician/Specialist Refresher	1
Writing for Analyst	1
Basic TMDL Development, Adoption and Approval	10

**FISCAL UPDATE
Through June 30, 2017**

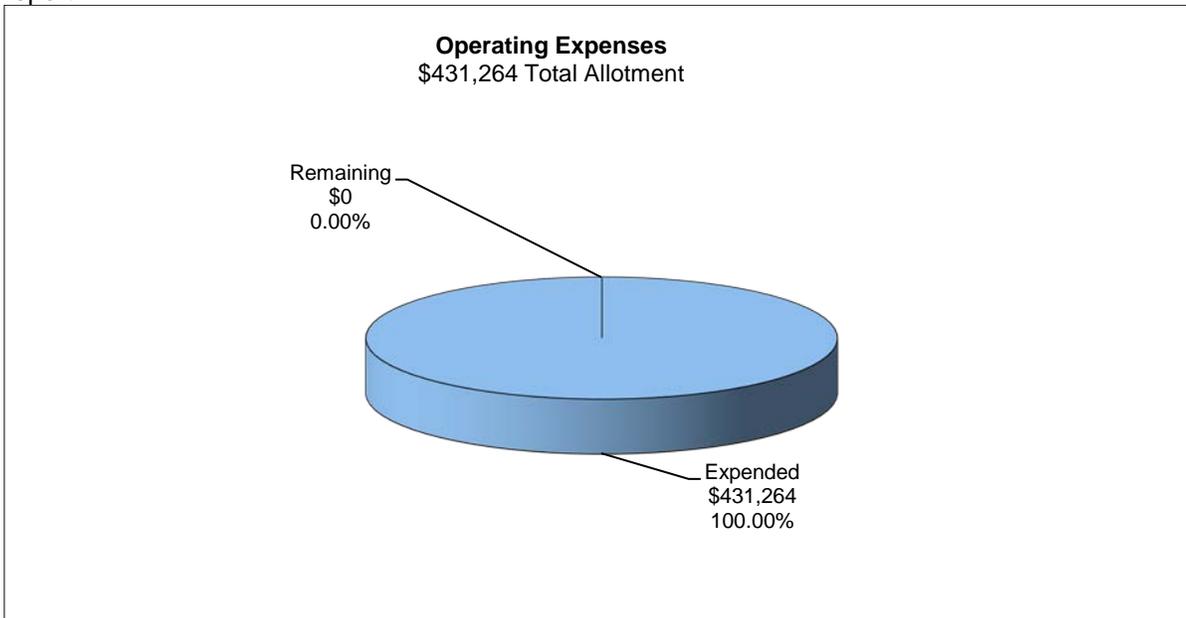
Personal Services:

The information below represents the budget for the 2016-17 Fiscal Year. Although the 2017-18 Fiscal Year Budget has been approved, we do not yet have the data for this report.



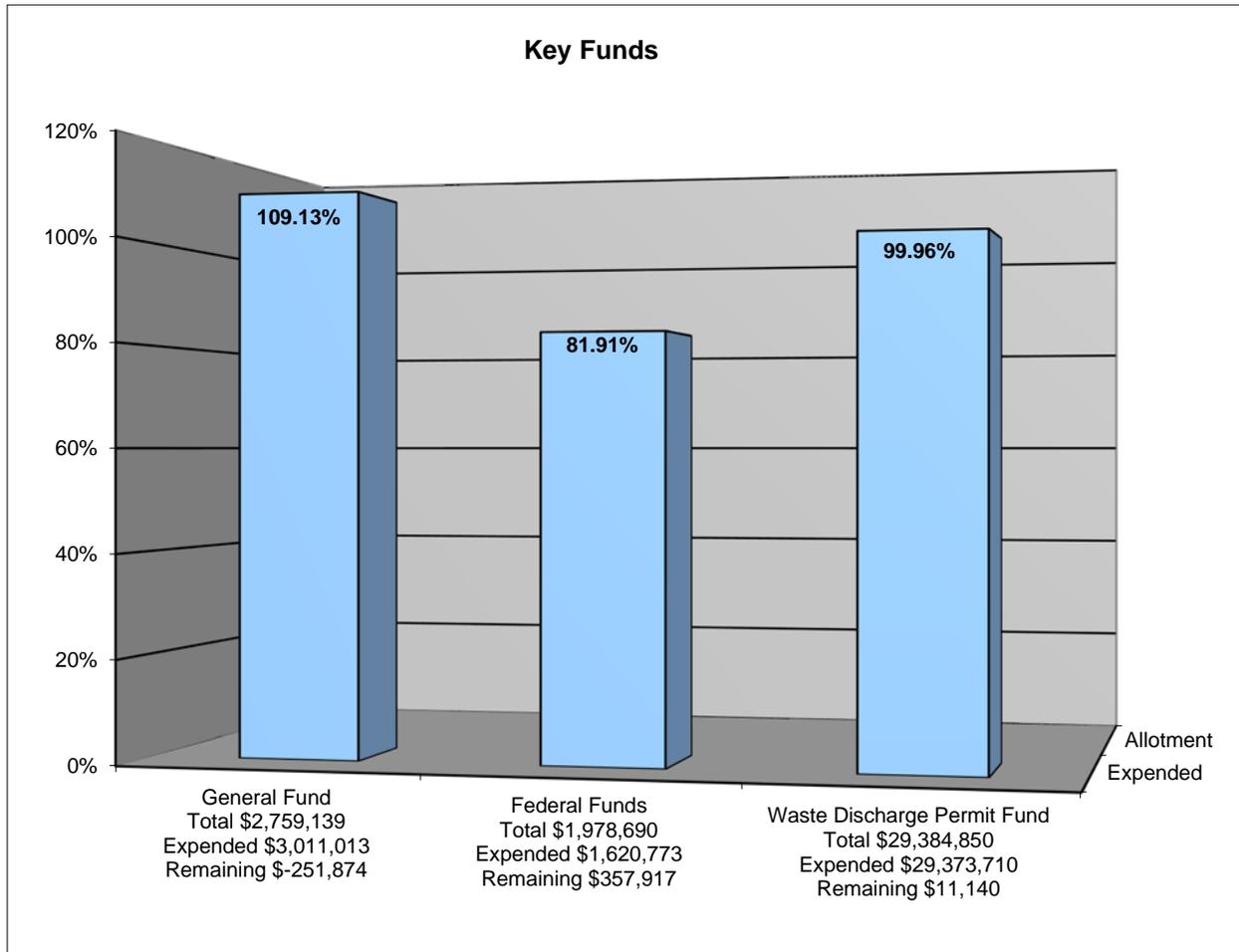
Operating Expenses:

The information below represents the budget for the 2016-17 Fiscal Year. Our Operating Expense budget is \$431,264. Although the 2017-18 Fiscal Year Budget has been approved, we do not yet have the data for this report.



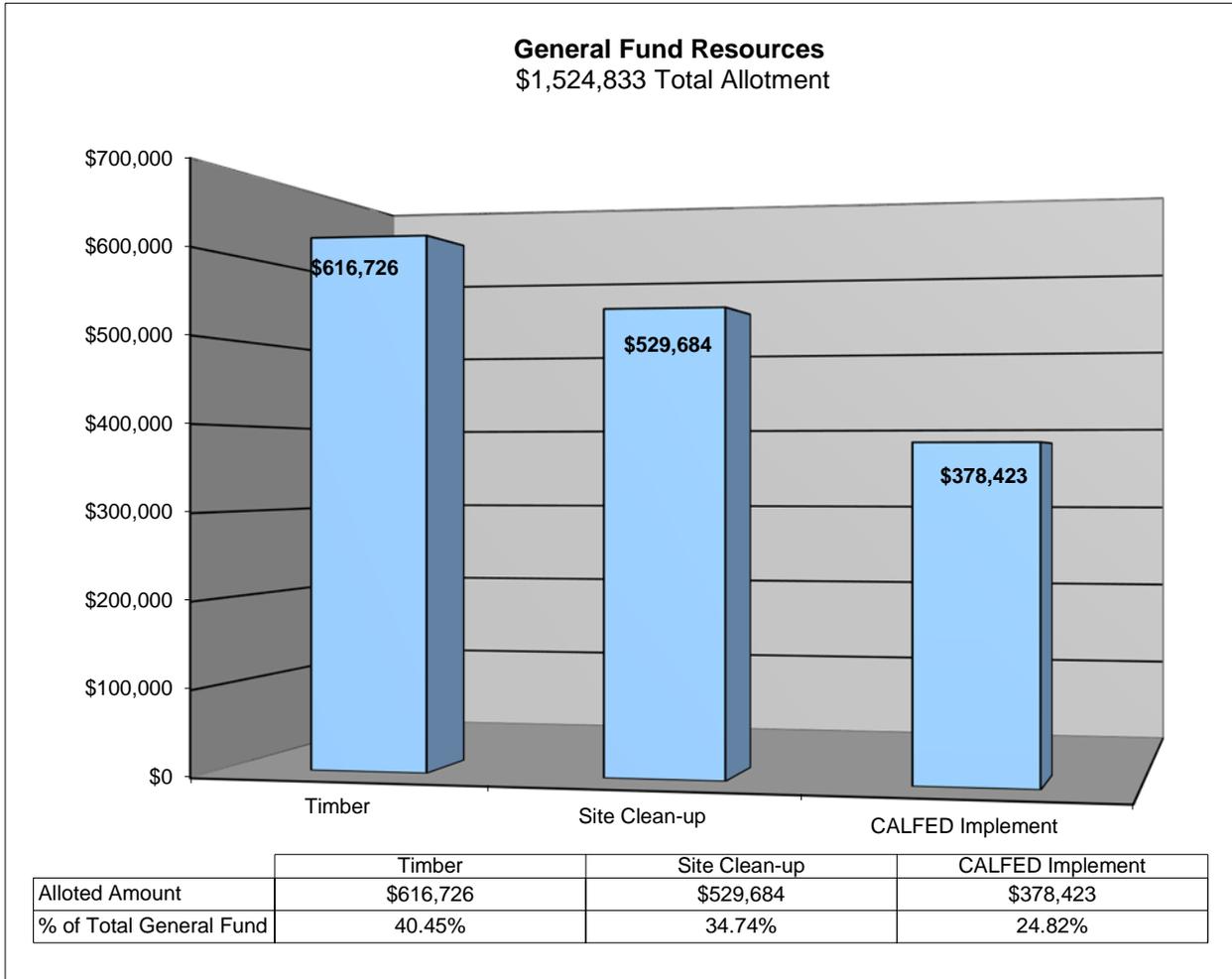
Key Funds

Key funds are provided through General, Federal (Lawrence Livermore, Leaking Underground Storage Tanks, Non-Point Source, and NPDES), and Waste Discharge Permit fund sources. Although the 2017-18 Fiscal Year Budget has been approved, we do not yet have the data for this report



General Fund Resources:

Our General Fund budget for the 2016-17 Fiscal Year is \$1,524,833. The Legislature and the Governor have directed our General Fund monies to specific programs. We have very little discretion in shifting these resources from one program to another. Although the 2017-18 Fiscal Year Budget has been approved, we do not yet have the data for this report



CONTRACTS					
OPERATIONAL SUPPORT SERVICES					
CONTRACT NUMBER	CONTRACTOR NAME	DESCRIPTION	START DATE	END DATE	AMOUNT
16-029-150	Courtney Aviation	Airplane inspection services - Rancho Office	04/18/17	03/31/19	\$ 40,000
15-077-150	Basic Laboratory	Lab analysis -- Redding Office	01/31/16	01/31/18	\$ 110,000
16-018-150	Monterey Bay Analytical	Lab analysis -- Rancho Office	07/20/16	06/30/18	\$ 160,000
15-011-150	Moore Twining	Lab analysis -- Fresno Office	01/31/16	01/31/18	\$ 130,000
15-023-150, Am. 1	Air Shasta Rotor & Wing	Helicopter inspection services -- Redding Office	10/07/15	09/30/17	\$ 43,000
17-034-150	IFB - Helicopter	Helicopter inspection services -- Redding Office	TBD	09/30/20	\$ 60,000
15-072-150	California Reporting	Court reporter services in Rancho Cordova	07/01/15	06/30/18	\$ 36,000
WATER QUALITY STUDY/PLANNING					
14-043-150-1	Department of Water Resources	Water quality trends	11/01/14	10/31/17	\$ 150,207
15-035-150, Am. 1	Regents of UC Davis	Large scale analysis of annual report data	08/14/15	03/31/18	\$ 150,000
15-047-150	San Jose State Foundation	Support for Statewide Mercury Control Program	01/06/16	03/31/18	\$ 200,000
15-084-150	USGS	Sampling validation	04/01/16	03/31/18	\$ 19,968
16-048-150	UC Santa Cruz	Evaluation of temperature criteria to recommend methodology for deriving temperature criteria.	03/13/17	03/31/19	\$ 396,250
16-074-150	Lawrence Berkeley National Lab	Produce testing	02/27/17	06/30/18	\$ 250,000
TBD	TBD	IFB for PRP Searches			\$ 100,000
17-150-022	DWR	Operation and maintenance in-stream water monitoring stations (North and South Fork Battle Creek)	TBD	06/30/20	\$ 180,000
17-150-001	Class Act Alliance	Professional sign language interpretation	07/01/17	06/30/18	\$ 1,160
17-022-150	Department of Water Resources	Ongoing operation and maintenance - SWAMP	TBD	06/30/20	\$ 180,000
TBD	Delta Conservancy	Administrative and program management of the Delta Monitoring Exposure Reduction Program (MERP)	TBD	06/30/20	\$ 154,191

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.

OCTOBER 2017 BOARD MEETING

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISPOSAL TO LAND

- Olan Tomato (Revised WDRs)
- London WWTF (Revised WDRs)
- Ingomar Packing (revised WDRs)

NPDES PERMITTING

- City of Tracy WWTP Renewal
- Mariposa WWTF Permit Amendment and new Time Schedule Order

LOCAL AREA MANAGEMENT PROGRAM APPROVALS

- Yuba County Environmental Health Department
- Kings County
- Tuolumne County

LAND DISPOSAL PROGRAM – CHAPTER 15/TITLE 27

- Woodlake Landfill (Revised WDRs)
- Rock Creek Landfill, Calaveras County (Revised WDRs)
- Auburn Landfill, Placer County (Revised WDRs)

DECEMBER 2017 BOARD MEETING

NPDES PERMITTING

- Mountain House WWTP Renewal
- Delleker WWTP Renewal
- Mount Shasta WWTP Renewal
- Donner Summit WWTP Permit Amendment
- Kiefer Landfill GWETS Rescission
- Limited Threat General Order Amendment
- Vendo Groundwater Remediation System Rescission

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISPOSAL TO LAND

- City of Newman (Revised WDRs)
- Sun Pacific Shippers (New WDRs)
- Riverdale WWTF (Revised WDRs)

LAND DISPOSAL PROGRAM – CHAPTER 15/TITLE 27

- City of Lemoore, Leprino Foods, Surface Impoundment – New WDRs
- Southeast Regional Landfill (Revised WDRs)
- Recology Ostrom Road Landfill, Yuba County (Revised WDRs)

FEBRUARY 2018 BOARD MEETING

NPDES PERMITTING

FEBRUARY 2018 BOARD MEETING

- El Dorado Hills WWTP Rescission
- Dunsmuir WWTP Renewal
- Meridian Beartrack Co, RMK Mine Renewal

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISPOSAL TO LAND

- Copper Cover WWTF (Revised WDRs)
- City of Modesto WQCF (Revised WDRs)
- Primex Pistachios (New WDRs)
- Visalia WWTF (Revised WDRs)

LAND DISPOSAL PROGRAM – CHAPTER 15/TITLE 27

- Union Mine Landfill, El Dorado County (Revised WDRs)
- Winters Landfill, Yolo County (Revised WDRs)

PENDING ACTIONS, BUT NOT YET SCHEDULED FOR A BOARD MEETING

NPDES PERMITTING

- City of Atwater, Regional WWTF Rescission
- SPI Anderson Rescission
- City of Redding, Stillwater WWTF Renewal
- City of Colfax WWTF Renewal
- Malaga WWTF Rescission
- Yuba City WWTF Renewal
- Portola WWTP Renewal
- City of Visalia WWTF Rescission
- Red Bluff WWTP Renewal
- Sierra Conservation Center WTP Rescission
- Jackson WWTP Renewal
- Davis WWTP Renewal
- CCWD Copper Cove WWTP Renewal
- Kinder Morgan Fox Rd GWTS Renewal
- City of Brentwood WWTP Renewal
- CalMat Sand and Gravel Plant Renewal
- Cutler-Orosi WWTF Renewal
- Sequoia/Kings Canyon National Parks Rotenone Application (New Permit)

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM - DISPOSAL TO LAND

- Lake County Environmental Health Division (LAMP)
- Sierra County Environmental Health Services (LAMP)
- Barrel Ten Winery (Revised WDRs)
- Bully Hill Rising Star Mines (New WDRs)
- CA Dept. of Corrections, Mule Creek (Revised WDRs)
- Calaveras County Water District, Copper Cove WWTF (Revised WDRs)
- City of Galt (Revised WDRs)
- City of Huron (WWTF)
- City of Lone (Revised WDRs)
- City of Lodi (Revised WDRs)
- City of Lemoore WWTF (Revised WDRs)

- City of Manteca WWTF (Revised WDRs)
- City of Patterson WWTF (New WDRs)
- City of Richgrove WWTF (Revised WDRs)
- City of Tuolumne WWTF (Revised WDRs)
- Delicato Family Vineyards (Revised WDRs)
- E&J Gallo Madera (Revised WDRs)
- E&J Gallo Livingston (Revised WDRs)
- Exeter Ivanhoe Citrus (Revised WDRs)
- Golden Feather School District, Spring Valley School (Revised WDRs)
- Ironhouse Sanitation District (Revised WDRs)
- Liberty Packing Tomato Processing (Revised WDRs)
- Lions Raisins Selma Plant (Revised WDRs)
- Leprino Foods Lemoore (Revised WDRs)
- Maxwell PUD (Revised WDRs)
- Mokelumne Rim Vineyards (Revised WDRs)
- Morningstar Packing Company (Revised WDRs)
- North State Rendering Tallow Plant (Revised WDRs)
- Olson Meats (Revised WDRs)
- Sun Maid Raisins Orange Cove (Revised WDRs)
- Tomatek and City of Firebaugh (Revised WDRs)
- Tasteful Selections (Revised WDRs)
- Wonderful Pistachios (Revised WDRs)
- Yocha De He Tribe (Revised WDRs)

LAND DISPOSAL PROGRAM – CHAPTER 15/TITLE 27

- Eastlake Landfill, Lake County (Revised WDRs)
- Buena Vista Landfill (Revised WDRs)
- Butts Canyon Road Geothermal Power Plant Facility (New WDRs)
- Highway 59 Landfill (Revised WDRs)
- Midway Landfill (Revised WDRs)
- General Order for Dredging Activities not requiring a Federal Permit/General 401 Certification for Dredging Activities requiring a Federal Permit

CONFINED ANIMAL FACILITIES PROGRAM

- Revise Dairy General Order (Revised WDRs)

SIGNIFICANT POLICIES, PLANS AND PERMITS TABLE

See next Page

Significant Policies, Plans and Permits Under Development or Pending Development

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-14	Central Valley Diazinon and Chlorpyrifos Basin Plan Amendment	2017-07-11 Amendment addressing chlorpyrifos and diazinon in hundreds of valley floor rivers, streams and creeks adopted by Regional Board on 28 March 2014. Approved by the State Water Board on 16 June 2015. Approved by OAL on 8 March 2017. USEPA review expected in July 2017. (Staff contact, Danny McClure)	Regional	R5
A-15	Central Valley Pyrethroids Basin Plan Amendment	2017-07-11 The Basin Plan Amendment was adopted by the Central Valley Water Board on 8 June 2017. The Amendment still needs State Water Board, OAL and USEPA approval before becoming fully effective.	Regional	R5
A-15	Basin Plan Amendment for a region-wide evaluation process for the Municipal and Domestic Supply (MUN) beneficial use in agriculturally dominated surface water bodies	2017-07-11 Staff report released 23 January 2017. Comment period through 17 March 2017. Board hearing was held February 2017 with Board consideration schedule for August 2017.	Regional	R5
A-15	Central Valley Diuron Basin Plan Amendment	2017-07-11 A review of the most current water quality information indicates the Irrigated Lands Regulatory Program is effectively addressing all diuron impairments. Therefore staff is preparing documentation for de-listing or listing the impairments as being	Regional	R5

		addressed by an existing regulatory program. The 2014 Integrated Report included documentation for listing several diuron impairments as being addressed by an existing regulatory program and not needing TMDLs (category 4b). Additional de-listings and/or category 4b demonstrations are being prepared for the 2018 listing cycle.		
A-16	Establish New Water Quality Objectives for Salinity and Boron in the Lower San Joaquin River - Amendment to the Sacramento River and San Joaquin River Basin Plan.	2017-07-11 A Regional Board workshop was held on 17 August 2016 and Board Hearing in April 2017. The Central Valley Water Board adopted the proposed amendment on 8/9 June 2017.	Regional	R5

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-16	General Order for Poultry Facilities	2017-07-07 Order No. R5-2016-0087, Adopted on 6 December 2016. A General Order update is scheduled to be presented in front of the Board in August 2017.	Regional	R5
*A-16	Phase I update of the Bay-Delta Plan:- San Joaquin River flows and southern Delta salinity.	2016-08-03 The Draft Substitute Environmental Document (SED) was released on December 31, 2012 for public comment. Hearing to receive comments on the SED was held on March 20-21, 2013, and comments were received by March 29, 2013. Revised Draft SED to be recirculated for public comment in summer of 2016. Draft plan amendment to be brought to the Board for consideration in early 2017.	Statewide	SB
A-16	Big Creeks Projects - Clean Water Act, Section 401, Water Quality Certification	2016-10-25 The State Water Board is developing a water quality certification and associated California Environmental Quality Act (CEQA) document for six hydroelectric projects that are owned and operated by Southern California Edison Company in Fresno and Madera counties: Big Creek Nos. 2A, 8, and Eastwood; Big Creek No. 3; Mammoth Pool; Vermillion Valley; Portal; and Big Creeks Nos. 1 and 2. The water quality certification will become part of the Federal Energy Regulatory Commission licenses for the six projects. The draft certification and draft CEQA document are expected to be released for public review in the Fourth Quarter 2016.	Statewide	SB

A-17	Surface Water Augmentation with Recycled Water Regulations	2017-04-24 The Division of Drinking Water is currently finalizing the regulation package regarding the use of recycled water to augment surface water reservoirs used for drinking water supplies. As required by Water Code sections 13562 and 13565, an Expert Panel was assembled to review the criteria and to ultimately make a finding that the criteria are protective of public health. The Expert Panel reviewed the initial draft regulation, which was then submitted for completion of the peer review process required via H&SC section 57004. The Expert Panel reviewed the peer review comments, subsequent revisions to the draft regulations, and made a finding that the criteria are protective of public health.	Statewide	SB
A-17	Revised Total Coliform Rule	2017-04-24 The Federal Revised Total Coliform Rule became effective on April 1, 2016. Division of Drinking Water staff are in the process of drafting state regulations that are at least as stringent as federal regulations but include California-specific requirements. Staff anticipate releasing draft regulations in the spring of 2017 during public workshops, with a public review period later in 2017 and a proposed Board Adoption date in mid 2018.	Statewide	SB
A-17	Bacteria Standards for Ocean and Inland Surface Waters	2017-07-10 The State Water Board is developing proposed statewide bacteria water quality objectives and a proposed control program to protect human health in waters designated for water contact recreation (REC-1) from the effects of bacteria. The implementation elements also includes a general water quality standards variance policy. Staff released the draft documents for public comment on June 30, 2017. A Staff Workshop was held on July 10, 2017 and Public Hearing is scheduled for August 1, 2017. State Board Web site: http://www.waterboards.ca.gov/bacterialobjectives/	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-17	Statewide Aggregate General Order	2017-02-15 DWQ is preparing a statewide general order for aggregate processing facilities that discharge to land.	Statewide	SB

*A-17	Phase II update of the Bay-Delta Plan: Comprehensive Review	2016-07-13 State Water Board staff is in the process of a phased review and update of the 2006 Water Quality Control Plan for the Bay-Delta (2006 Bay-Delta Plan). The second phase of the review focuses on the following issues: (1) Delta outflow objectives, (2) export/inflow objectives, (3) Delta Cross Channel Gate closure objectives, (4) Suisun Marsh objectives; (5) potential new reverse flow objectives for Old and Middle Rivers; (6) potential new floodplain habitat flow objectives; (7) potential changes to the monitoring and special studies program, and (8) other potential changes to the program of implementation. Staff is preparing a Scientific Basis Report that will provide the underlying scientific support for proposed flow and water quality objectives. The Report will consider recommendations provided in the Delta Science Program's Workshops Panel Summary Reports on Delta Outflows and Related Stressors (May 2014) and Interior Delta Flows and Related Stressors (July 2014). The working draft Scientific Basis Report is expected to be released for public review in late spring/early summer 2016. Staff is also developing a Substitute Environmental Document that will provide an evaluation of the potential environmental impacts of the proposed changes to the Bay-Delta Plan. This document is expected to be released for public review in 2017.	Statewide	SB
A-17	Nonpoint Source (NPS) Implementation and Enforcement Policy Amendments	2017-06-05 The NPS Implementation and Enforcement Policy (NPS Policy) is being updated as directed by Resolution 2012-0004 to reflect the current funding mechanisms for State Water Board and Regional Water Board regulation of nonpoint source wastewater discharges.	Statewide	SB
A-17	Unified Program Underground Storage Tank Surcharge Increase	2017-06-19 Underground Storage Tank (UST) Leak Prevention Program, as part of the CalEPA Unified Program, is funded by a surcharge applied to each operating UST. Surcharge funding is authorized by California Health and Safety Code. Revenue from the surcharge is intended to cover operating costs at the State Water Resources Control Board to oversee and implement the program, however the current amount fails to do so. CalEPA has completed the rulemaking process, and the Office of Administrative Law has approved the regulations which increase the UST surcharge which becomes effective August 2017. A Budget Change Proposal for increased spending authority is under development.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
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A-17	Industrial General Storm Water Permit Amendment for TMDL Implementation	2017-07-21 State Water Board staff is developing an Industrial General Permit Amendment to incorporate proposed TMDL implementation language into the statewide permit. The proposed permit amendment is being developed in collaboration with the four Regional Water Boards that have adopted TMDLs applicable to industrial storm water discharges as a pollutant source to impaired water bodies (San Francisco Bay, Los Angeles, Santa Ana, and San Diego Regional Water Boards). The public comment periods for the four Regional Water Board's draft TMDL implementation language have ended. State Water Board staff is reviewing all comments received during the Regional Water Board's public comment periods, developing proposed TMDL implementation language, and identifying the TMDL watersheds for a subsequent public comment period. State Water Board staff anticipates release of the proposed TMDL implementation language for public comment in late 2017. A State Water Board public hearing for the proposed permit amendment is anticipated in 2018.	Statewide	SB
A-17	Mercury TMDL and Implementation Plan (Statewide Reservoirs)	2017-07-10 Staff from Regions 2 and 5 and State Water Board are developing a TMDL and implementation plan to address fish mercury(Hg) impairments in about 150 reservoirs statewide. Staff prepared the scientific and technical analysis (source analysis, linkage, targets, allocations, and implementation plan options), and regulatory provisions for the implementation plan. The staff report is currently in scientific peer review.	Statewide	R5
A-17	Water Quality Control Plans Amendments for Trash Implementation	2017-06-29 By June 2, 2017, the Water Quality Control Plans required the State and Regional Water Boards to issue trash implementation requirements to municipal storm water permittees. On June 1st the State Water Board issued Water Code section 13383 Order, and most Regional Water Boards issued Water Code section 13267 or 13383 Orders, requiring permittees to report their selected method of compliance and to submit an implementation plan in accordance with the Trash Water Quality Control Plan Amendments. The State Water Board's 13383 Orders and guidance documents may be viewed at https://www.waterboards.ca.gov/water_issues/programs/stormwater/trash_implementation.shtml	Statewide	SB
A-17	Petition Order for Central Valley Regional Board's Eastern San Joaquin Agricultural Order	2017-06-01 On February 8, 2016, the State Water Board released a proposed order, SWRCB/OCC File A-2239(a)-(c), in response to petitions for review of the Central Valley Regional Water Quality Control Board's Eastern San Joaquin Agricultural Order. On May 4, 2016, a Board workshop was held at the Cal/EPA Building in Sacramento, followed by an additional Board workshop in Fresno, CA on May 17, 2016. The deadline for written public comments was June 1, 2016. Staff workshops were held in Sacramento at CalEPA on October 19, 2016, and November 18, 2016 to provide an opportunity for petition staff to ask detailed questions in response to comments received.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
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*A-17	Maximum Contaminant Level (MCL) for 1,2,3-Trichloropropane (1,2,3-TCP)	2017-04-24 Division of Drinking Water staff completed the regulatory documents needed to proceed to public comment, and as of April 21, 2017 have managed and finished the public comment period, including a public hearing on April 19. Staff are currently in the process of reviewing and responding to the public comments in a final document prior to bringing the final regulation package to the Board for adoption. Staff anticipate a Board Adoption date in the spring/summer of 2017, after which the adopted regulations will be sent to OAL for final review and approval. The MCL is anticipated to be effective in the summer or fall of 2017.	Statewide	SB
A-17	Supplemental Environmental Projects (SEP)	2017-04-18 Assembly Bill 1071 requires us to update SEP policy. MCC meeting in March, with planned workshop in June/July and fall adoption hearing.	Statewide	SB
A-17	General WDRs for Discharges of Waste Associated with Cannabis Cultivation Activities	2017-07-06 DWQ, DWR, OE, and the Regional Water Boards are preparing statewide WDRs for discharges of waste associated with cannabis cultivation. The WDRs are being prepared in conjunction with DWR to address water rights issues and the CDFA (issuing cannabis cultivation licenses).	Statewide	SB
*A-17	Procedures for Discharges of Dredged or Fill Materials to Waters of the State (Proposed for Inclusion in the Water Quality Control Plan for Inland Surface Waters and Enclosed Bays and Estuaries)	2017-06-29 State Water Board staff is developing proposed Procedures for Discharges of Dredged or Fill Materials to Waters of the State. The draft procedures were released for public comments on June 17, 2016 and the Board held a hearing on July 19, 2016. The Comment period closed on August 18, 2016. Staff is reviewing comments and working on revisions to the policy, with a second public release in July 2017, a public workshop in August, and a board hearing on September 6, 2017.	Statewide	SB
A-17	Approval of the CWA Section 303(d) List portion of the 2014 and 2016 California Integrated Report	2017-07-17 Clean Water Act section 303(d) List portion of the 2014 and 2016 California Integrated Report (303(d) List) is a combination of the 303(d) Lists approved by the San Francisco Bay, Central Coast, Central Valley, Santa Ana, and San Diego Regional Water Boards. The 303(d) List portion of the 2014 and 2016 Integrated Report along with the recommendations for the Los Angeles region was released for public comment on June 9, 2017. The State Water Board will consider the Los Angeles Water Board recommendations at a State Water Board hearing currently scheduled for October 3, 2017. The complete 303(d) List portion of the California 2014 and 2016 Integrated Report will also be considered at a State Water Board meeting also scheduled for October 3, 2017.	Statewide	SB
Key	Item	Status	Statewide or Regional Project	Org. Lead

A-17	Natural Gas Company Discharges from Hydrostatic Testing Of Pipelines and Related Activities	2017-06-05 State Water Board staff is working with stakeholders to develop a Statewide General Order to regulate discharges from construction, hydrostatic testing, operation, and maintenance of natural gas facilities. The proposed Statewide General Order will provide regulatory coverage for discharges to surface water and land.	Statewide	SB
A-17	Sediment Quality Objectives (SQOs) for Enclosed Bays and Estuaries: Phase II	2017-06-19 Water Board staff is developing a methodology to assess sediment quality in relation to the narrative human health SQO that protects human consumers from contaminants that bioaccumulate from the sediment into fish tissue. Staff is using the Los Angeles Long Beach Harbors TMDL as a case study to address many of the issues associated with the human health implementation framework as well as addressing other questions related to the application of SQOs as TMDL targets. Several groups and committees, including the SQO Advisory Committee, the Agency Coordination Committee, and the Harbor Technical Work Group, are collaborating on studies that will assist in the development, testing, and implementation of Phase II SQOs. Staff anticipates that the case study and test drive will be completed by August 2017, followed by release of draft documents in late 2017. A public workshop and board hearing are anticipated for December 2017 and March 2018 respectively	Statewide	SB
A-18	Toxicity Amendments to the Inland Surface Waters, Enclosed Bays, and Estuaries Plan	2017-06-28 State Water Resources Board staff are preparing provisions for toxicity, which if adopted by the Board will be included in the Water Quality Control Plan for Inland Surface Waters, Enclosed Bays and Estuaries of California. If adopted, the proposed Provisions would establish numeric acute and chronic objectives for aquatic toxicity; establish effluent limits for non-storm water NPDES dischargers; incorporate the United States Environmental Protection Agency's (U.S. EPA's) Test of Significant Toxicity (TST) statistical approach for data analysis; and establish monitoring requirements for wastewater discharges to inland surface waters, enclosed bays, and estuaries in California. Staff held outreach meetings in April 2017 to receive feedback from stakeholders and interested parties on the proposed Provisions. Public release of the draft staff report and proposed amendment is anticipated for November 2017 with a staff workshop in December 2017 and a board hearing in January 2018. The proposed amendment is anticipated to be presented to the Board for consideration in May 2018.	Statewide	SB
A-18	Permanent (Regular) Regulations for Point Of Use/Point of Entry Treatment Devices	2017-04-24 The State Water Board will be adopting permanent regulations governing the use of point-of-use and point-of-entry treatment devices by a public water system (PWS), in lieu of centralized treatment. Existing law requires the State Water Board to first adopt emergency regulations, followed by standard regulations, to establish criteria for applicable PWS that choose to provide treatment for drinking water through the use of POU or POE treatment devices. Emergency regulations were adopted by the Board on March 15, 2016 and became effective on April 1, 2016. Permanent regulations have to be effective by January 1, 2018 and Division of Drinking Water staff are in the process of drafting the permanent regulations.	Statewide	SB
Key	Item	Status	Statewide or Regional Project	Org. Lead

A-18	Biostimulatory & Biological integrity Project	2017-07-17 The State Water Resources Control Board (State Water Board) is proposing to adopt a statewide water quality objective for biostimulatory substances along with a program of implementation as an amendment to the Water Quality Control Plan for Inland Surface Water, Enclosed Bays and Estuaries of California. This project will also now include a water quality control policy to establish and implement biological condition assessment methods, scoring tools, and targets aimed at protecting the biological integrity in wadeable streams. A series of webinars and stakeholder advisory group meetings are being scheduled as new science related to the project is released from the Southern California Coastal Watershed Research Program	Statewide	SB
A-18	Statewide General Waste Discharge Requirements Order for Wineries	2017-06-23 State Water Board staff has prepared a concept paper for developing a statewide general order for wineries. Staff is collaborating with stakeholders to prepare a draft requirements matrix. Staff continues to hold meetings with wine industry representatives and additional outreach meetings will be scheduled.	Statewide	SB
A-18	Water Quality Objectives for Ammonia	2017-04-10 Scoping meetings held on 15, 16 and 22 March in Rancho Cordova, Fresno and Redding, respectively.	Regional	R5
A-18	Statewide Urban Pesticides Reduction	2017-06-01 The State Water Board is developing a statewide multi-agency framework for urban pesticide reduction that will be proposed as amendments to both the Inland Surface Waters, Enclosed Bays, and Estuaries Plan, and to the Ocean Plan. A multi-stakeholder project team (shifted into an advisory committee in April 2017) provided information and materials for development of the following amendment components(1) an inter-agency coordination framework, (2) a regional monitoring framework, and (3) suggested permit language for MS4 permittees. Staff anticipates public release of the proposed amendments in Winter 2017.	Statewide	SB
A-18	Amendment to the Recycled Water Policy	2017-07-06 The State Water Board adopted a resolution December 6, 2016 directing staff to amend the Recycled Water Policy and re-convene the Science Advisory Panel for Constituents of Emerging Concern. While the resolution outlined a preliminary list of topics to be updated or added to the policy, the resolution directs staff to work with stakeholders to develop an amendment to the Recycled Water Policy and release a draft for public comment by March 2018. State Water Board staff is also developing a project charter and timeline for the next update of the Recycled Water Policy. State Water Board staff conducted initial targeted stakeholder listening sessions in the beginning of March 2017 and is planning to conduct additional stakeholder outreach this summer and continue outreach throughout the amendment process.	Statewide	SB
Key	Item	Status	Statewide or Regional Project	Org. Lead

A-18	Environmental Laboratory Accreditation Regulations	2017-04-24 Division of Drinking Water staff will draft new regulations governing the accreditation of laboratories regulated by the Environmental Laboratory Accreditation Program (ELAP). The draft regulations will be clearly written and ensure standards for laboratory compliance is auditable and enforceable. The draft regulations are in development and staff anticipate holding staff workshops on the draft regulations Summer 2017, initiate the formal rulemaking process late 2017 and bring the proposed draft regulations to the State Board early 2018 for adoption.	Statewide	SB
C	State Water Board Water Quality Enforcement Policy Amendments	2017-04-12 State Water approved amendmended Enforcement Policy at 4/4/2017 meeting. Administrative record is being prepared for the Office of Administrative Law. The Enforcement Policy will become effective after OAL approval.	Statewide	SB
C	Onsite Wastewater Treatment Systems (OWTS) Policy Implementation	2017-06-05 The Local Agency Management Plan (LAMP) Guidance document was transmitted to the Regional Water Boards on June 4, 2015. All of the Regional Water Boards have amended their Basin Plans to implement the OWTS Policy. The State Water Board approved the amendments for Regions 1 through 9. State and Regional Water Board staff have been meeting with local agencies to facilitate LAMP development. On June 24, 2016, State Water Board staff held an informational forum with the Regional Boards to discuss policy implementation, LAMP submittals and reviews, challenges & successes, and statewide program coordination. To date, 21 LAMPs have been approved by Regional Boards. State Water Board staff have begun the OWTS Policy conditional waiver update process. (The conditional waiver expires on May 13, 2018.)	Statewide	SB
A	General Order for Bovine Feedlots	2017-07-07 General Order No. R5-2017-0058 to regulate bovine feedlots (other than dairies - e.g., heifer facilities, calf raising facilities, beef cattle facilities) was adopted on 8 June 2017.	Regional	5
A	SB 83, Section 45 - Produced Water Pond Report	2017-02-02 The State Water Board posted on its website a status report on the regulation of oil field produced water ponds within each region on July 29, 2016. Link to report: http://www.waterboards.ca.gov/water_issues/programs/groundwater/sb4/index.shtml . Produced water is water extracted during oil production. The report included a tally of produced water ponds statewide by region, the number of permitted and unpermitted ponds, enforcement actions taken, and the status of permitting the unpermitted sites. The report will be updated every six months.	Statewide	SB
Key	Item	Status	Statewide or Regional Project	Org. Lead

A	CV-SALTS Developing a Salinity and Nitrate Management Plan for all basins in the Central Valley Basin Plan Amendment for the Sacramento River and San Joaquin River Basin Plan, Tulare Lake Basin Plan and the Delta Water Quality Control Plan	2017-07-11 Salt and Nitrate Management Plan posted a www.cvsalinity.org at the end of 2016 and formally submitted to the Central Valley Water Board on 12 January 2017. Board accepted receipt of SNMP on 9 March 2017 and directed staff to begin Basin Plan Amendment.	Regional	R5
A	Revision of General Order for Existing Dairies	2017-07-07 Revision of Revised General Order R5-2013-0122 to include requirements for composting consistent with the statewide composting General Order WQ 2015-0121-DWQ and requirements for land application areas consistent with the Irrigated Lands Regulatory Program requirements. Staff will draft revisions following Board consideration of the General Order for Bovine Feedlots.	Regional	R5
A	Approval of the CWA Section 303(d) List portion of the 2018 California Integrated Report	2017-06-21 The 2018 California Integrated Report will consist of a complete assessment of data and information for the North Coast, Lahontan, and Colorado River regions. The other six regional water boards will have the opportunity to include high priority listings and delistings off-cycle. The data solicitation period ended on May 3, 2017. State and Regional Water Board staff will be assessing the data with a tentative State Water Board approval scheduled for May of 2019.	Statewide	SB
A	Implement Lower San Joaquin River Salt/Boron TMDL	2017-07-11 TMDL requires USBR and agricultural dischargers to operate under WDRs with monthly salt load allocations OR the development of MAA with USBR to mitigate salt loading to river and operation under a Central Valley Water Board approved real-time salinity management program (RTMP) for agricultural dischargers. Both updated MAA and a phased RTMP approved during 4 December 2014 Central Valley Water Board meeting (Resolutions R5-2014-0150 and R5-2014-0151, respectively). Salt load allocations also incorporated into appropriate Ag Coalition WDRs with option to participate in Board approved RTMP. USBR submitted annual reports. The RTMP stakeholders formed a steering committee in October 2015. USBR FY17/18 Annual Workplan under review.	Regional	R5
Key	Item	Status	Statewide or Regional Project	Org. Lead

A	New winery waste guidelines	2017-07-11 Industry recommendations have been reviewed by CV-SALTS Management Practices Subcommittee. Currently the CV-SALTS Management Practices Subcommittee is on hold while salinity management alternatives are being evaluated. New state-wide general order being developed with consideration of these recommendations as well as others through the outreach program.	Regional	R5
A	Development of water quality criteria for the herbicides oxyfluorfen, prometryn, simazine and trifluralin and the insecticide fipronil. Recommended aquatic life criteria are being developed UC Davis under contract with RB5.	2017-07-11 Draft UC Davis criteria documents for the four herbicides were released for public comment (including comments on potential peer review topics) in June 2016. The Draft fipronil criteria document was released for public comment (including comments on potential peer review topics) in October 2016. Peer reviews were completed in November 2016 and February 2017. Final reports were released in July 2017. For more information please see: http://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/central_valley_pesticides/criteria_method/	Regional	R5
A	USFS MOU for BAER activities	2016-05-20 Staff has engaged the USFS in drafting an MOU that will outline the process by which the Regional Boards may choose to participate in USFS Burned Area Emergency Response (BAER) teams. Temporarily on hold due to vacancies at the Regional USFS office.	Regional	R5
A	Development of permit for Federal Non-Point Source activities on Forest Lands	2017-05-11 R5 staff is working with the USFS and the BLM to develop a permit to cover NPS activities with the potential to affect water quality. The R5 MS4 permit is being used as a model and an EIR will be developed to address CEQA. Additionally, our region is collaborating on this project with R6 and are currently working on a joint public participation plan.	Regional	R5
A	Delta Regional Monitoring Program- RMP	2017-07-10 The Delta RMP work plan and budget for FY17/18 includes monitoring for mercury and an initial assessment of nutrient spatial variability across the Delta. The Steering Committee has not yet approved a work plan for pesticides and toxicity monitoring.	Statewide	SB
Key	Item	Status	Statewide or Regional Project	Org. Lead

A	Groundwater Quality Protection Strategy	2017-03-06 At the Central Valley Water Board's September 2010 meeting Resolution #2010-0095 was adopted which approved the Groundwater Quality Protection Strategy for the Central Valley Region, A Roadmap. Progress reports on the implementation of the priority actions were provided at the June 2012, December 2013, and February 2016 Central Valley Water Board meetings. An addendum to the Strategy has been made to incorporate Board input and posted on the Board's website.	Regional	R5
A	Cadmium Objective and Hardness Implementation Policy	2017-06-28 Staff is working to update the cadmium objectives to insure that the objectives are protective of threatened and endangered species in accordance with the Endangered Species Act. Cadmium is a hardness dependent metal, so the project is linked with a Hardness Implementation Policy to provide guidance to Regional Board staff in determining hardness for setting effluent limits. The project is currently on hold pending available staff resources.	Statewide	SB
A	Statewide Storm Water Construction General Permit Reissuance	2017-07-21 State Water Board staff is developing the draft permit language for the reissuance of the Statewide Storm Water Construction General Permit (also referred to as the CGP). The proposed CGP reissuance will include implementation of Total Maximum Daily Loads and revisions to update the CGP requirements per information collected during the term of the existing permit. Information on the development of the proposed permit reissuance, including stakeholder outreach information, is posted on the State Water Board's Construction Storm Water Program website at: http://www.waterboards.ca.gov/water_issues/programs/stormwater/construction.shtml . A proposed public comment period for the draft permit has not yet been determined	Statewide	SB
A	Suction Dredge Mining Activity	2017-06-01 Senate Bill 637 amended the California Water Code and the California Fish and Game Code to address the existing moratorium on suction dredge mining. As amended, the Water Code requires the State Water Board to gather stakeholder input to assist in its determination regarding how to regulate suction dredge mining activities. State Water Board staff, conducted five public outreach workshops throughout the State in January and February 2017. Staff is evaluating the information gathered during the workshops.	Statewide	SB
A	Implement Mercury TMDL/Control Program in Cache Creek Watershed - Sacramento River and San Joaquin River Basin Plan	2017-07-10 Mining wastes at six inactive mercury (Hg) mines in the upper Cache Creek watershed were remediated in summer 2016 to prevent the continued erosion of mercury sediment into Sulphur Creek, a tributary to Cache Creek.	Regional	R5
P	Water Effects Ratios	2016-07-25 The project will establish criteria for developing site specific objectives for metals based on the water effect ratios for a specific water body. Staff will prepare a proposed Water Effects Ratio Policy at a future date.	Statewide	SB
Key	Item	Status	Statewide or Regional Project	Org. Lead

P	Chlorine Amendment	2017-02-28 The draft Total Residual Chlorine and Chlorine-Produced Oxidants Policy of California is being converted into an amendment to the Water Quality Control Plan for Inland Surface Waters, Enclosed Bays, and Estuaries of California.	Statewide	SB
P	Antidegradation Policy	2017-04-24 The State Water Board issued a draft scoping document and held follow-up focused stakeholder meetings in June and July 2015. Comments from these meetings are summarized and posted on the program website. State Water Board staff is not actively working on a statewide policy for implementation of the Antidegradation Policy for discharges to groundwater. The draft Eastern San Joaquin River Watershed Agricultural Order addresses some of the larger issues the stakeholders identified during staff's outreach efforts. Staff will consider what additional guidance or regulatory action is necessary after the State Water Board issues a final order in the Eastern San Joaquin matter.	Statewide	SB
P	Modify the Beneficial Uses for Freshwater Aquatic Habitat and Remove Spawning for West Squaw Creek - Amendment to the Sacramento River and San Joaquin River Basin Plan	2017-07-11 Use Attainability Analysis was conducted to demonstrate the current beneficial uses assigned to West Squaw Creek, a stream heavily impacted by acid mine drainage, are not achievable. Specifically, the stream cannot support fish and other pH or metal sensitive aquatic species and spawning of selected fish species defined in the Basin Plan. A Staff Report including the proposed amendments and CEQA functional equivalent document was presented to the Regional Board on 9 July 2004. The Regional Board adopted Resolution R5-2004-0090 which included the UAA, Staff Report, Functional Equivalent Document and proposed amendments. BPA not approved by State Board. Staff gathering additional information to respond to State Board and USEPA comments. Expected completion date 2018.	Regional	R5
P	New Manual of Good Practice for Land Application of Food Processing/Rinse Water	2017-07-11 Industry recommendations have been reviewed by CV-SALTS Management Practices Subcommittee. Currently the CV-SALTS Management Practices Subcommittee is on hold while salinity management alternatives are being evaluated.	Regional	R5

Status Code Key:
White = Active effort (A)
Light Green = Targeted for completion in 2016 (A-16)
Lavender = Targeted for completion in 2017 (A-17)
Pink = Targeted for completion in 2018 (A-18)
Gray = Suspended or No statewide effort at this time or Pending (P)
Note: * indicates Board Priority

Count of Spills	5F				5R				5S				Grand Total
	Category 1	Category 2	Category 3	5F Total	Category 1	Category 2	Category 3	5R Total	Category 1	Category 2	Category 3	5S Total	
Month													
April 2017	1	0	4	5	0	0	1	1	6	1	89	96	102
May 2017	1	1	5	7	2	0	2	4	4	0	89	93	104
Total	2	1	9	12	2	0	3	5	10	1	178	189	206

Spill Cause	Count of Spills	%
Root Intrusion	102	49.5%
Debris-General	42	20.4%
Grease Deposition (FOG)	17	8.3%
Other	9	4.4%
Vandalism	8	3.9%
Pipe Structural Problem/Failure	7	3.4%
Debris from Construction	5	2.4%
Debris from Lateral	4	1.9%
Debris-Rags	3	1.5%
Pump Station Failure-Mechanical	3	1.5%
Pump Station Failure-Controls	2	1.0%
Construction Diversion Failure	2	1.0%
CS Maintenance Caused Spill/Damage	1	0.5%
Operator error	1	0.5%
Grand Total	206	100%

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

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

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

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

Region	Collection System	WDID	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Did Spill Reach Surface Waters? (Y/N)	Total Spill Volume (Gallons)	Spill Volume that Reached Surface Waters (Gallons)	Start Date	Spill Cause
SR	Redding City CS	5SSO10801	835576	Certified	Category 1	3950 St Nicholas Ave	Shasta	Yes	64,700	64,700	5/27/2017	Other (specify below)
SS	Sacramento Area Sewer District CS	5SSO10912	834495	Certified	Category 1	182945	Sacramento	Yes	14,880	14,878	4/10/2017	Vandalism
SS	Sacramento Area Sewer District CS	5SSO10912	834769	Certified	Category 1	184267	Sacramento	Yes	3,353	3,348	4/12/2017	Grease Deposition (FOG)
SR	Shasta Lake CS	5SSO10851	835135	Certified	Category 1	Smith Ave and Deer Creek Ave	Shasta	Yes	2,080	2,080	5/9/2017	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	5SSO10912	834645	Certified	Category 1	183557	Sacramento	Yes	840	770	4/19/2017	Debris from Construction
SF	Mariposa Co YOSEMITE WEST CS	5SSO11323	834341	Certified	Category 1	7455 Yosemite Park Way	Mariposa	Yes	500	500	4/5/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834472	Certified	Category 1	182848	Sacramento	Yes	405	284	4/8/2017	Vandalism
SS	Deer Creek CS	5SSO10923	834756	Certified	Category 1	DC-2017-04-06	El Dorado	Yes	1,500	200	4/24/2017	Debris-General
SS	City Of Folsom CS	5SSO10893	834985	Certified	Category 1	149 Big Valley Road	Sacramento	Yes	200	200	5/4/2017	Debris from Construction
SS	Sacramento Area Sewer District CS	5SSO10912	835097	Certified	Category 1	185149	Sacramento	Yes	144	124	5/9/2017	Grease Deposition (FOG)
SS	Hangtown Creek CS	5SSO10965	834519	Certified	Category 1	3128 Cedar Ravine	El Dorado	Yes	145	120	4/15/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	835571	Certified	Category 1	186760	Sacramento	Yes	74	26	5/30/2017	Pump Station Failure-Controls
SF	Sacramento City-Taft Heights CS	5SSO10730	835288	Certified	Category 1	San Emidio and North 10th Street, Taft CA	Kern	Yes	760	760	5/18/2017	Construction Diversion Failure
SS	Hangtown Creek CS	5SSO10965	835587	Certified	Category 1	872 cottage	El Dorado	Yes	55	5	5/28/2017	Debris-General
SS	Oakdale CS	5SSO11017	834181	Certified	Category 2	WWTP Low Lift Pump Station	Stanislaus	No	25,000	0	4/1/2017	Other (specify below)
SF	SA-2 Bass Lake CS	5SSO11319	835522	Certified	Category 2	Bass Lake WWTP Headworks	Madera	No	2,000	0	5/29/2017	Debris-Rags
SF	City of Fresno CS	5SSO11202	835236	Certified	Category 3	925 N St.	Fresno	No	854	0	4/19/2017	Other (specify below)
SS	SMD No. 2 CS	5SSO11362	835551	Certified	Category 3	8560 Christy Lane, Granite Bay, CA	Placer	No	800	0	5/19/2017	Debris from Construction
SR	Red Bluff CS	5SSO10845	835252	Certified	Category 3	Monroe Charter school	Tehama	No	770	0	5/17/2017	Other (specify below)
SF	El Portal CS	5SSO10735	834712	Certified	Category 3	El Portal MH #34	Mariposa	No	750	0	4/25/2017	Construction Diversion Failure
SS	Sacramento Area Sewer District CS	5SSO10912	835466	Certified	Category 3	184096	Sacramento	No	744	0	4/21/2017	Grease deposition (FOG)
SS	Ironhouse Sanitary District CS	5SSO10970	834455	Certified	Category 3	Bridgehead Rd.	Contra Costa	No	500	0	4/9/2017	Pump Station Failure-Controls
SR	Portola CS	5SSO10843	834648	Certified	Category 3	Ellen Ave Easement	Plumas	No	500	0	4/20/2017	Debris from Lateral
SS	Davis CS	5SSO10921	834971	Certified	Category 3	315 W 14th St.	Yolo	No	500	0	5/3/2017	Root Intrusion
SF	Atwater CS	5SSO10716	835227	Certified	Category 3	America West Subdivision	Merced	No	480	0	5/15/2017	Pump Station Failure-Mechanical
SS	Sacramento Area Sewer District CS	5SSO10912	835479	Certified	Category 3	184521	Sacramento	No	451	0	4/29/2017	Root intrusion
SS	Modesto CS	5SSO11001	835140	Certified	Category 3	2904 Debbie Ln Modesto Ca	Stanislaus	No	400	0	4/10/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	835455	Certified	Category 3	183881	Sacramento	No	317	0	4/20/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	835481	Certified	Category 3	184698	Sacramento	No	298	0	4/26/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	836302	Certified	Category 3	184749	Sacramento	No	294	0	5/2/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	836326	Certified	Category 3	184749	Sacramento	No	294	0	5/2/2017	Root intrusion
SS	City Of Jackson CS	5SSO10895	835515	Certified	Category 3	100 E. Sierra View Dr.	Amador	No	232	0	5/28/2017	Pipe Structural Problem/Failure
SS	City of Stockton MUD CS	5SSO11433	834316	Certified	Category 3	1825 Pacific Ave Stockton Ca	San Joaquin	No	222	0	4/5/2017	Grease Deposition (FOG)
SS	Folsom State Prison CS	5SSO11192	835203	Certified	Category 3	MSF Camp	Sacramento	No	215	0	5/16/2017	Vandalism
SS	Sacramento Area Sewer District CS	5SSO10912	835480	Certified	Category 3	184540	Sacramento	No	211	0	4/25/2017	Root intrusion
SS	City Of Auburn CS	5SSO10722	835898	Certified	Category 3	12499 Incline DR	Placer	No	200	0	5/10/2017	Root Intrusion
SR	Dunsmuir CS	5SSO10812	836231	Certified	Category 3	l-5 Liftstation	Siskiyou	No	200	0	5/22/2017	Other (specify below)
SS	City Of Auburn CS	5SSO10722	835900	Certified	Category 3	929 Fawn Creek Trail	Placer	No	200	0	5/31/2017	Pipe Structural Problem/Failure
SS	City of Stockton MUD CS	5SSO11433	834274	Certified	Category 3	1604 N Wilson Wy Stockton Ca	San Joaquin	No	193	0	4/4/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	836310	Certified	Category 3	184956	Sacramento	No	192	0	5/6/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	836344	Certified	Category 3	184956	Sacramento	No	192	0	5/6/2017	Debris-General
SF	Atwater CS	5SSO10716	835065	Certified	Category 3	Mary and Terri	Merced	No	150	0	5/5/2017	Pump Station Failure-Mechanical
SF	Wasco State Prison CS	5SSO10775	835739	Certified	Category 3	Wasco state Prison, facility c building 3	Kern	No	150	0	5/5/2017	Debris-Rags
SS	Sacramento Area Sewer District CS	5SSO10912	835444	Certified	Category 3	183255	Sacramento	No	135	0	4/13/2017	Debris-General
SS	City of Sacramento Utilities CS	5SSO10901	834489	Certified	Category 3	1610 GLENROSE AVE, SACRAMENTO, CA	Sacramento	No	133	0	4/11/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	835448	Certified	Category 3	183316	Sacramento	No	109	0	4/14/2017	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	835417	Certified	Category 3	182348	Sacramento	No	106	0	4/1/2017	Vandalism
SS	Sacramento Area Sewer District CS	5SSO10912	835476	Certified	Category 3	184505	Sacramento	No	106	0	4/30/2017	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	835472	Certified	Category 3	184470	Sacramento	No	99	0	4/27/2017	Root intrusion
SS	Lake Wildwood CS	5SSO10984	834359	Certified	Category 3	18681 Meadowlark Ct. Penn Valley CA 95946	Nevada	No	90	0	4/5/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	835432	Certified	Category 3	182944	Sacramento	No	81	0	4/10/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	836327	Certified	Category 3	185332	Sacramento	No	80	0	5/11/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	836332	Certified	Category 3	185358	Sacramento	No	80	0	5/11/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	835460	Certified	Category 3	183990	Sacramento	No	75	0	4/22/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	835434	Certified	Category 3	182949	Sacramento	No	71	0	4/10/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	835452	Certified	Category 3	183379	Sacramento	No	68	0	4/16/2017	Root intrusion
SS	City of Sacramento Combined CS	5SSO10901-4	834792	Certified	Category 3	3078 MARTIN LUTHER KING BLVD., SACRAMENTO, CA	Sacramento	No	64	0	4/24/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	835469	Certified	Category 3	184312	Sacramento	No	64	0	4/26/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	835465	Certified	Category 3	184073	Sacramento	No	56	0	4/24/2017	Root intrusion

Region	Collection System	WDID	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Did Spill Reach Surface Waters? (Y/N)	Total Spill Volume (Gallons)	Spill Volume that Reached Surface Waters (Gallons)	Start Date	Spill Cause
SS	City of Stockton MUD CS	5SSO11433	834302	Certified	Category 3	147 N Wilson Way Stockton Ca	San Joaquin	No	51	0	4/5/2017	Debris-Rags
SS	Sacramento Area Sewer District CS	5SSO10912	835478	Certified	Category 3	184512	Sacramento	No	50	0	4/30/2017	Root intrusion
SS	Colusa CS	5SSO10908	835498	Certified	Category 3	2nd St and Main St	Colusa	No	50	0	5/25/2017	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	835433	Certified	Category 3	182948	Sacramento	No	49	0	4/10/2017	Root intrusion
SS	City of Stockton MUD CS	5SSO11433	834558	Certified	Category 3	620 N. Harrison Stockton Ca	San Joaquin	No	44	0	4/17/2017	Debris from Lateral
SS	Sacramento Area Sewer District CS	5SSO10912	836365	Certified	Category 3	185985	Sacramento	No	44	0	5/19/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	836334	Certified	Category 3	185378	Sacramento	No	43	0	5/11/2017	Debris-General
SS	Davis CS	5SSO10921	835165	Certified	Category 3	76 College Park Dr	Yolo	No	40	0	5/15/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	836329	Certified	Category 3	185346	Sacramento	No	37	0	5/11/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	835435	Certified	Category 3	182952	Sacramento	No	34	0	4/10/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	835457	Certified	Category 3	183961	Sacramento	No	31	0	4/21/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	836325	Certified	Category 3	185273	Sacramento	No	31	0	5/10/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	836364	Certified	Category 3	185273	Sacramento	No	31	0	5/10/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	836303	Certified	Category 3	184800	Sacramento	No	30	0	5/4/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	836328	Certified	Category 3	184800	Sacramento	No	30	0	5/4/2017	Root intrusion
SS	Davis CS	5SSO10921	834254	Certified	Category 3	113 D STREET	Yolo	No	25	0	4/4/2017	Debris-General
SF	City Of Bakersfield CS	5SSO10717	835740	Certified	Category 3	3550 S Halfmoon Dr	Kern	No	25	0	5/30/2017	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	835473	Certified	Category 3	184471	Sacramento	No	24	0	4/27/2017	Grease deposition (FOG)
SS	City Of Antioch CS	5SSO10890	834727	Certified	Category 3	4008 Rockford Dr, Antioch, CA 94509	Contra Costa	No	20	0	4/24/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	835427	Certified	Category 3	182849	Sacramento	No	18	0	4/8/2017	Grease deposition (FOG)
SS	Dry Creek CS	5SSO10935	834443	Certified	Category 3	333 Elefa St. Roseville	Placer	No	17	0	4/9/2017	Root intrusion
SS	City of Stockton MUD CS	5SSO11433	834885	Certified	Category 3	1236 S. California St. Stockton Ca.	San Joaquin	No	17	0	4/27/2017	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	835440	Certified	Category 3	183034	Sacramento	No	16	0	4/11/2017	Root intrusion
SS	City of Stockton MUD CS	5SSO11433	834650	Certified	Category 3	2221 Fullerton Ave.	San Joaquin	No	15	0	4/18/2017	Debris-General
SS	Modesto CS	5SSO11001	835141	Certified	Category 3	701 Leytonstone Ave Modesto	Stanislaus	No	15	0	4/28/2017	Root intrusion
SS	City Of Folsom CS	5SSO10893	835059	Certified	Category 3	500 Sutter St.	Sacramento	No	15	0	5/4/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	836319	Certified	Category 3	185083	Sacramento	No	15	0	5/8/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	836358	Certified	Category 3	185083	Sacramento	No	15	0	5/8/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	835428	Certified	Category 3	182859	Sacramento	No	14	0	4/8/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	836315	Certified	Category 3	185042	Sacramento	No	14	0	5/8/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	836354	Certified	Category 3	185042	Sacramento	No	14	0	5/8/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	836349	Certified	Category 3	185575	Sacramento	No	14	0	5/15/2017	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	836343	Certified	Category 3	185516	Sacramento	No	13	0	5/14/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	835445	Certified	Category 3	183263	Sacramento	No	12	0	4/14/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	835468	Certified	Category 3	184297	Sacramento	No	12	0	4/26/2017	Root intrusion
SS	City of Stockton MUD CS	5SSO11433	835013	Certified	Category 3	420 W Acacia St	San Joaquin	No	12	0	5/17/2017	Debris from Lateral
SS	City of Woodland CS	5SSO10903	835524	Certified	Category 3	109 Fourth St Woodland, California	Yolo	No	12	0	5/21/2017	Pipe Structural Problem/Failure
SS	City Of Antioch CS	5SSO10890	835382	Certified	Category 3	4613 Oak Meadow Ct, Antioch, CA 94531	Contra Costa	No	11	0	5/19/2017	Root Intrusion
SS	Davis CS	5SSO10921	834416	Certified	Category 3	302 Gstreet	Yolo	No	10	0	4/10/2017	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	5SSO10912	835456	Certified	Category 3	183932	Sacramento	No	10	0	4/21/2017	Other (specify)
SS	Sacramento Area Sewer District CS	5SSO10912	836313	Certified	Category 3	184967	Sacramento	No	10	0	5/6/2017	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	5SSO10912	836350	Certified	Category 3	184967	Sacramento	No	10	0	5/6/2017	Pipe Structural Problem/Failure
SS	Deer Creek CS	5SSO10923	835783	Certified	Category 3	DC-2017-05-07	El Dorado	No	10	0	5/8/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	836335	Certified	Category 3	185464	Sacramento	No	10	0	5/12/2017	Root intrusion
SS	City of Woodland CS	5SSO10903	835782	Certified	Category 3	1305 Spruce Dr	Yolo	No	10	0	5/30/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	835423	Certified	Category 3	182731	Sacramento	No	9	0	4/6/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	835424	Certified	Category 3	182739	Sacramento	No	9	0	4/6/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	835454	Certified	Category 3	183624	Sacramento	No	9	0	4/19/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	836337	Certified	Category 3	185493	Sacramento	No	9	0	5/12/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	836341	Certified	Category 3	185511	Sacramento	No	9	0	5/14/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	835418	Certified	Category 3	182453	Sacramento	No	8	0	4/3/2017	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	835439	Certified	Category 3	183017	Sacramento	No	8	0	4/11/2017	Other (specify)
SS	Sacramento Area Sewer District CS	5SSO10912	835443	Certified	Category 3	183137	Sacramento	No	8	0	4/12/2017	Vandalism
SS	Sacramento Area Sewer District CS	5SSO10912	835458	Certified	Category 3	183976	Sacramento	No	8	0	4/21/2017	Debris-General
SS	City of Stockton MUD CS	5SSO11433	834651	Certified	Category 3	303N Wilson Way Stockton Ca	San Joaquin	No	8	0	4/21/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	836298	Certified	Category 3	184613	Sacramento	No	8	0	5/1/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	836318	Certified	Category 3	184613	Sacramento	No	8	0	5/1/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	836357	Certified	Category 3	185829	Sacramento	No	8	0	5/14/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	836351	Certified	Category 3	185682	Sacramento	No	8	0	5/16/2017	Root intrusion
SS	White Slough Water Poll Con Pu CS	5SSO11084	835235	Certified	Category 3	604 E. Lockeford	San Joaquin	No	7	0	4/1/2017	Grease Deposition (FOG)

Region	Collection System	WDID	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Did Spill Reach Surface Waters? (Y/N)	Total Spill Volume (Gallons)	Spill Volume that Reached Surface Waters (Gallons)	Start Date	Spill Cause
SS	City of Woodland CS	5SSO10903	834607	Certified	Category 3	240 Weber St	Yolo	No	7	0	4/3/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	835453	Certified	Category 3	183582	Sacramento	No	7	0	4/19/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	836309	Certified	Category 3	184953	Sacramento	No	7	0	5/6/2017	Other (specify)
SS	Sacramento Area Sewer District CS	5SSO10912	836342	Certified	Category 3	184953	Sacramento	No	7	0	5/6/2017	Other (specify)
SS	Sacramento Area Sewer District CS	5SSO10912	836339	Certified	Category 3	185509	Sacramento	No	7	0	5/13/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	836353	Certified	Category 3	185691	Sacramento	No	7	0	5/16/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	835426	Certified	Category 3	182799	Sacramento	No	6	0	4/7/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	835449	Certified	Category 3	183352	Sacramento	No	6	0	4/16/2017	Debris-General
SS	West Sacramento CS	5SSO11082	834584	Certified	Category 3	1023 Marston Street	Yolo	No	6	0	4/18/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	835459	Certified	Category 3	183986	Sacramento	No	6	0	4/21/2017	Vandalism
SS	City Of Antioch CS	5SSO10890	835011	Certified	Category 3	2960 Aldrich St, Antioch CA 94509	Contra Costa	No	6	0	4/29/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	835474	Certified	Category 3	184491	Sacramento	No	6	0	4/29/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	836311	Certified	Category 3	184957	Sacramento	No	6	0	5/6/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	836346	Certified	Category 3	184957	Sacramento	No	6	0	5/6/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	836314	Certified	Category 3	184973	Sacramento	No	6	0	5/7/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	836352	Certified	Category 3	184973	Sacramento	No	6	0	5/7/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	835421	Certified	Category 3	182574	Sacramento	No	5	0	4/5/2017	Grease deposition (FOG)
SF	City Of Bakersfield CS	5SSO10717	834426	Certified	Category 3	717 H.St.	Kern	No	5	0	4/7/2017	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	835437	Certified	Category 3	182977	Sacramento	No	5	0	4/10/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	835441	Certified	Category 3	183049	Sacramento	No	5	0	4/11/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	835450	Certified	Category 3	183354	Sacramento	No	5	0	4/16/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	835451	Certified	Category 3	183355	Sacramento	No	5	0	4/16/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	835471	Certified	Category 3	184451	Sacramento	No	5	0	4/28/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	835475	Certified	Category 3	184504	Sacramento	No	5	0	4/30/2017	Debris-General
SF	City Of Bakersfield CS	5SSO10717	834929	Certified	Category 3	3500 Adanac Ct & York Way	Kern	No	5	0	5/1/2017	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	836301	Certified	Category 3	184699	Sacramento	No	5	0	5/2/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	836324	Certified	Category 3	184699	Sacramento	No	5	0	5/2/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	836307	Certified	Category 3	184903	Sacramento	No	5	0	5/5/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	836338	Certified	Category 3	184903	Sacramento	No	5	0	5/5/2017	Root intrusion
SS	Stonegate Village CS	5SSO11060	835134	Certified	Category 3	3157 Monroe Rd	Sutter	No	5	0	5/8/2017	Pump Station Failure-Mechanical
SS	Sacramento Area Sewer District CS	5SSO10912	836347	Certified	Category 3	185518	Sacramento	No	5	0	5/14/2017	Vandalism
SS	Sacramento Area Sewer District CS	5SSO10912	836363	Certified	Category 3	185906	Sacramento	No	5	0	5/18/2017	Debris-General
SS	Davis CS	5SSO10921	835488	Certified	Category 3	1115 Cypress Lane	Yolo	No	5	0	5/25/2017	CS Maintenance Caused Spill/Damage
SS	Sacramento Area Sewer District CS	5SSO10912	835420	Certified	Category 3	182568	Sacramento	No	4	0	4/5/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	835442	Certified	Category 3	183091	Sacramento	No	4	0	4/11/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	835447	Certified	Category 3	183308	Sacramento	No	4	0	4/14/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	835461	Certified	Category 3	184003	Sacramento	No	4	0	4/22/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	835464	Certified	Category 3	184046	Sacramento	No	4	0	4/23/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	835467	Certified	Category 3	184274	Sacramento	No	4	0	4/26/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	836306	Certified	Category 3	184902	Sacramento	No	4	0	5/4/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	836336	Certified	Category 3	184902	Sacramento	No	4	0	5/4/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	836308	Certified	Category 3	184932	Sacramento	No	4	0	5/5/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	836340	Certified	Category 3	184932	Sacramento	No	4	0	5/5/2017	Debris-General
SS	City Of Antioch CS	5SSO10890	835100	Certified	Category 3	1137 Klengel Wy, Antioch CA, 94509	Contra Costa	No	4	0	5/8/2017	Debris from Lateral
SS	Sacramento Area Sewer District CS	5SSO10912	836317	Certified	Category 3	185045	Sacramento	No	4	0	5/8/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	836356	Certified	Category 3	185045	Sacramento	No	4	0	5/8/2017	Debris-General
SS	Dry Creek CS	5SSO10935	835206	Certified	Category 3	1311 Wendy Ct.	Placer	No	4	0	5/10/2017	Root intrusion
SS	City Of Antioch CS	5SSO10890	834355	Certified	Category 3	1124 W. 6th St., Antioch CA 94509	Contra Costa	No	3	0	4/4/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	835419	Certified	Category 3	182516	Sacramento	No	3	0	4/4/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	835422	Certified	Category 3	182594	Sacramento	No	3	0	4/5/2017	Vandalism
SS	Sacramento Area Sewer District CS	5SSO10912	835429	Certified	Category 3	182862	Sacramento	No	3	0	4/9/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	835430	Certified	Category 3	182898	Sacramento	No	3	0	4/10/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	835446	Certified	Category 3	183306	Sacramento	No	3	0	4/14/2017	Debris-General
SF	North of River Sanitary District #1 CS	5SSO10750	834672	Certified	Category 3	203 Oildale Drive @ Manhole 409	Kern	No	3	0	4/23/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	835477	Certified	Category 3	184510	Sacramento	No	3	0	4/30/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	836300	Certified	Category 3	184649	Sacramento	No	3	0	5/2/2017	Debris from Construction
SS	Sacramento Area Sewer District CS	5SSO10912	836322	Certified	Category 3	184649	Sacramento	No	3	0	5/2/2017	Debris from Construction
SS	Dry Creek CS	5SSO10935	835208	Certified	Category 3	529 Dudley Dr.	Placer	No	3	0	5/9/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	836321	Certified	Category 3	185210	Sacramento	No	3	0	5/9/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	836360	Certified	Category 3	185210	Sacramento	No	3	0	5/9/2017	Root intrusion

Region	Collection System	WDID	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Did Spill Reach Surface Waters? (Y/N)	Total Spill Volume (Gallons)	Spill Volume that Reached Surface Waters (Gallons)	Start Date	Spill Cause
SS	Sacramento Area Sewer District CS	5SSO10912	836361	Certified	Category 3	185884	Sacramento	No	3	0	5/18/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	835416	Certified	Category 3	182347	Sacramento	No	2	0	4/1/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	835438	Certified	Category 3	182988	Sacramento	No	2	0	4/5/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	835425	Certified	Category 3	182780	Sacramento	No	2	0	4/7/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	835436	Certified	Category 3	182962	Sacramento	No	2	0	4/11/2017	Root intrusion
SS	City Of Antioch CS	5SSO10890	834724	Certified	Category 3	4201 Delta Fair BLVD, Antioch, Ca 95409	Contra Costa	No	2	0	4/21/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	835463	Certified	Category 3	184016	Sacramento	No	2	0	4/23/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	835470	Certified	Category 3	184336	Sacramento	No	2	0	4/27/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	836297	Certified	Category 3	184560	Sacramento	No	2	0	5/1/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	836316	Certified	Category 3	184560	Sacramento	No	2	0	5/1/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	836299	Certified	Category 3	184645	Sacramento	No	2	0	5/2/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	836320	Certified	Category 3	184645	Sacramento	No	2	0	5/2/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	836304	Certified	Category 3	184801	Sacramento	No	2	0	5/4/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	836331	Certified	Category 3	184801	Sacramento	No	2	0	5/4/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	836312	Certified	Category 3	184964	Sacramento	No	2	0	5/7/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	836348	Certified	Category 3	184964	Sacramento	No	2	0	5/7/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	836323	Certified	Category 3	185262	Sacramento	No	2	0	5/10/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	836362	Certified	Category 3	185262	Sacramento	No	2	0	5/10/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	836345	Certified	Category 3	185517	Sacramento	No	2	0	5/14/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	836355	Certified	Category 3	185700	Sacramento	No	2	0	5/16/2017	Operator error
SS	City Of Antioch CS	5SSO10890	835385	Certified	Category 3	921 Basalt Wy, Antioch CA	Contra Costa	No	2	0	5/23/2017	Root intrusion
SS	City Of Antioch CS	5SSO10890	835623	Certified	Category 3	2210 Belle Ct, Antioch CA 94509	Contra Costa	No	2	0	5/30/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	835431	Certified	Category 3	182915	Sacramento	No	1	0	4/10/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	835462	Certified	Category 3	184014	Sacramento	No	1	0	4/23/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	836305	Certified	Category 3	184831	Sacramento	No	1	0	5/4/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	836333	Certified	Category 3	184831	Sacramento	No	1	0	5/4/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	836359	Certified	Category 3	185874	Sacramento	No	1	0	5/18/2017	Debris-General