

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



**EXECUTIVE OFFICER'S REPORT  
June 8/9, 2017**

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## SUCCESS STORIES

### **NITROGEN MANAGEMENT PLAN SUMMARY REPORTS FOR EAST SAN JOAQUIN AND WESTSIDE COALITIONS -100% SUBMITTAL.**

On 16 August 2016, staff mailed Notices of Violation to 67 East San Joaquin Water Quality Coalition members for failure to submit a Nitrogen Management Plan (NMP) Summary Report. Staff subsequently worked with the Coalition and NOV recipients to obtain all of the missing NMP Summary Reports and full compliance. With the submittal of these reports, the Coalition obtained NMP Summary Reports from all of its 1125 High Vulnerability Area growers.

On 19 January 2017, staff mailed Notices of Violation to 74 Westside San Joaquin River Watershed Coalition members for failure to submit a Nitrogen Management Plan (NMP) Summary Report. Staff subsequently worked with the Coalition and NOV recipients to obtain all of the missing NMP Summary Reports and full compliance. With the submittal of these reports, the Coalition obtained NMP Summary Reports from all of its 986 High Vulnerability Area growers.

### **IRRIGATED AGRICULTURE – SUCCESSFUL COMPLETION OF IMPLEMENTED MANAGEMENT PLANS**

Under the Irrigated Lands Regulatory Program, management plans are triggered when samples collected from a site are tested and a constituent shows two or more exceedances of the appropriate water quality limit within a 3-year period. This triggers development of a management plan by the Coalition and requires implementation of improved management practices by member growers. Implementation is deemed successful when the Coalition demonstrates: (1) at least three years of compliance with receiving water limitations; (2) documentation of third-party education and outreach to growers; (3) documentation of implementation of improved management practices; and (4) demonstration of management practice effectiveness.

- **San Joaquin County and Delta Water Quality Coalition-Eliminated Pesticide and Toxicity**  
On 8 March 2017, the Executive Officer approved the completion of eight management plans for the San Joaquin County and Delta Water Quality Coalition (Coalition). The majority of the management plans were implemented to eliminate pesticide (chlorpyrifos and diuron) and toxicity (*Ceriodaphnia dubia*, *Hyalella azteca*) water quality problems caused by the discharge of agricultural pollutants into surface receiving waters. The Coalition held multiple member meetings and conducted targeted outreach to individual growers to provide general and site-specific guidance regarding practices to protect water quality. Examples of new practices implemented by growers include grassed rows and waterways, reduced pesticide use, efficient irrigation methods, reduced runoff, and tailwater retention/return systems. Water quality analyses showed that receiving water limits were met, demonstrating the effectiveness of implemented practices.
- **Sacramento Valley Water Quality Coalition-Eliminated Toxicity**  
On 30 March 2017, the Executive Officer approved the completion of the Sacramento Valley Water Quality Coalition's (Coalition) *Ceriodaphnia dubia* management plan in Stony Creek. The Coalition held annual member meetings and partnered with local RCDs, Farm Bureaus, and UC Cooperative Extension to promote management practices and provide educational information (through seminars, workshops, and newsletters) on how to protect water quality from chemicals that cause aquatic toxicity. Examples of practices implemented by growers include monitor wind conditions; cover crops; vegetated drainage ditches; following county permit and label restrictions; minimum tillage; closely manage irrigation flows; and maximize time between pesticide application and next irrigation event. Water quality analyses showed that receiving water limits were met, demonstrating the effectiveness of implemented practices.
- **East San Joaquin Water Quality Coalition-Eliminated Pesticides and Toxicity**  
On 14 April 2017, the Executive Officer approved the completion of 10 management plans for the East San Joaquin Water Quality Coalition (Coalition), including three for toxicity and seven for pesticides. The implemented management plans successfully eliminated water quality problems caused by discharge of agricultural pollutants into surface receiving waters. The Coalition held multiple member meetings and conducted targeted outreach to individual growers to provide general and site-specific guidance regarding practices to protect water quality. Examples of practices implemented by growers include shutting off outside nozzles when spraying next to surface water; managing spray drift; maintaining vegetative filter strips; irrigate based on soil moisture level and crop need; improving berms between fields and waterways; reducing water use during irrigation; use of PAM; using efficient irrigation methods; and constructing tailwater retention/return

systems. Water quality analyses showed that receiving water limits were met, demonstrating the effectiveness of implemented practices.

#### ***SB445 FUNDING AWARDED***

- **Former Dinuba Dry Cleaners, 331 E. Tulare Street, Dinuba, Tulare County.** A dry cleaning facility operated at the site from at least 1945 until 1992. During an assessment of an upgradient release of MTBE, tetrachloroethene was detected in groundwater at elevated concentrations downgradient of and in close proximity to the former dry cleaners. The property owner submitted an application to the State Water Board for Senate Bill 445 funds to investigate the site. The property owner contracted with an environmental consultant that has prepared a detailed scope of work, cost estimate, and Project Execution Plan proposing tasks to assess soil, soil vapor, and groundwater quality. The State Water Board Site Cleanup Subaccount Program awarded a \$148,550 grant to the Discharger. Field work at the site began in April 2017.

From 9 March 2017 to 1 May 2017, 44 Notices of Applicability were issued to growers in the Tulare Lake Basin Area, which confirmed the enrollment of 3,056 irrigated acres. Approximately 90% of the applications for coverage were voluntarily submitted by growers, and 10% were submitted in response to enforcement activities conducted by Water Board staff.

On 19 January 2017, staff mailed Notices of Violation to 74 Westside San Joaquin River Watershed Coalition members for failure to submit a Nitrogen Management Plan (NMP) Summary Report. Staff subsequently worked with the Coalition and NOV recipients to obtain all of the missing NMP Summary Reports and full compliance.

#### ***SIERRA CREST LEADERSHIP AWARD***

On May 8 Selina Cole (Environmental Scientist in the Sacramento Office), accepted an award on behalf of the Delta Mercury Exposure Reduction Program (one component of our Delta mercury TMDL program). The Sierra Fund selected the Delta MERP to receive its "Sierra Crest Leadership Award" recognizing our work and collaborative efforts with community groups to reduce exposure to mercury through outreach and education. Janis Cooke was instrumental in getting this program started prior to Selina's involvement. We have been working closely with the Delta Conservancy and the CA Department of Public Health in developing and posting fish consumption advisory signs for the Delta, providing outreach and education material in several languages, and providing grants to community-based organizations to promote safe Delta fish consumption.

#### ***SITE CLEANUP-SUCCESSFULLY CLOSED-NO FURTHER ACTION REQUIRED***

- **Final Record of Decision for Site ST018, Beale AFB, Yuba County**  
In March, the Record of Decision (ROD) for Site ST018 at Beale Air Force Base (AFB) was finalized by the Air Force and State of California represented by the Central Valley Water Board and Department of Toxic Substances Control. Site ST018 is the Bulk Fuel Storage Facility consisting of an active aviation gasoline Jet Fuel Tank Farm and former Motor Gasoline Tank Farm located in the southwestern portion of Beale AFB. Fuel-related compounds and volatile organic compounds (VOCs) were released to soil as a result of surface spills, and leaks from fuel pipelines and former underground storage tanks. Soil vapor extraction, bioventing, and soil excavation were performed as interim response actions to remediate VOCs and petroleum hydrocarbons in soil. Remaining pollutants in soil do not pose an unacceptable risk to groundwater, surface water or sediment. Residual concentrations of polycyclic aromatic hydrocarbons (PAHs) remaining in soil potentially pose an unacceptable risk for a future resident. Therefore, the ROD identifies land use controls (LUCs) as the final remedy to prohibit residential land use in areas currently and formerly used for facility operations. Groundwater beneath the site is being addressed separately as part of basewide groundwater Site CG041. (MWC)
- **Final Record of Decision for Site SS035, Beale AFB, Yuba County**  
In March, the Record of Decision (ROD) for Site SS035 at Beale Air Force Base was finalized by the Air Force and State of California represented by the Central Valley Water Board and Department of Toxic Substances Control. The ROD identifies continued operation of the soil vapor extraction (SVE) system to

remediate volatile organic compounds (VOCs) and excavation of VOC-, lead- and polycyclic aromatic hydrocarbon (PAH)-contaminated soil with off-site disposal as the final remedy. Site SS035 is the Weapons Storage Area located east of the flight line and includes two septic systems, two oxidation ponds, three aboveground diesel storage tanks and several buildings used for office space, training, and equipment maintenance. Chlorinated solvents, lead, and PAHs were released to soil likely due to surface spills at former sheds south of Building 1322 and runoff from the concrete pad surrounding the building. SVE and operation of a bioreactor have been performed as interim response actions. The estimated volume of excavation is 1,345 cubic yards including VOC-contaminated soil that may require excavation after SVE completion. The site will be considered suitable for unlimited use and unrestricted exposure (UU/UE) upon completion of the remedy. No action is required for surface water and sediment. Groundwater beneath the site is being addressed separately as part of basewide groundwater Site CG041.

- **Final Record of Decision for Site SS039, Beale AFB, Yuba County**

In April, the Record of Decision (ROD) for Site SS039 at Beale Air Force Base was finalized by the Air Force and State of California represented by the Central Valley Water Board and Department of Toxic Substances Control. The ROD identifies continued operation of the soil vapor extraction (SVE) system and soil excavation of residual volatile organic compounds (VOCs) that do not reach cleanup goals after SVE in Source Area 2 as the final remedy. No further action is required for Source Area 1 or for sediment and surface water at the site. Site SS039 is in the Cantonment Area and covers an area of approximately 700 acres. The site originally consisted of Building 2145 (Air Combat Command Center), several nearby closed underground storage tanks, a former transformer and pad, and surrounding sanitary sewer and storm drain lines. Source Area 1 is believed to be related to undocumented surface spills of chlorinated solvents while Source Area 2 represents solvents leaking from sewer or storm drain lines. Low levels of polycyclic aromatic hydrocarbons (PAHs) were identified in sediment from the ditch southwest of Building 2145; however, a site-specific risk management decision was made that no action is necessary based on their extent and risk to human health and the environment. Completion of the remedy is anticipated to result in unlimited use and unrestricted exposure (UU/UE) site status. Groundwater underlying Site SS039 is being addressed separately as part of basewide groundwater Site CG041. (MWC)

- **Cal Farm Supply, 2040 West Washington Street, Stockton, San Joaquin County**

Cal Farm Supply was an agricultural chemical distributor between the 1940's and 1985. Soil containing pesticide residue and a fuel tank was removed in 1990, and safflower was planted in 2001, 2002, and 2003 to remove residual nitrogen from soil. Groundwater monitoring data shows that benzene has been hovering at the water quality objective of 1 µg/L, and nitrate-as-nitrogen decreased to 13 mg/L, near the water quality objective of 10 mg/L. Former Cal Farm Supply was provided with a conditional no further action determination on 26 February 2016, and is scheduled to destroy the remaining monitoring wells in May 2017. Upon demonstration of the destruction of the monitoring wells, the Executive Officer is expected to provide the effective date of the No Further Action Determination. (AST)

- **Former Sunshine Cleaners, 120 Main St, Woodland, Yuba County**

The former Sunshine Cleaners operated a dry cleaning business in a suite of the Woodland Plaza Shopping Center in Woodland from approximately 1961 until 2001. Leakage from spills, floor drains, sinks and the sewer lateral resulted in the release of the solvent perchloroethylene (PCE) to the upper 100 feet of site soil and groundwater. From October 2013 through April 2016 the property owner installed and operated a soil vapor extraction and air sparge system to remove PCE from groundwater and soil. The SVE system removed an estimated 92.5 pounds of PCE and confirmation samples showed that PCE is now non-detect in groundwater and is below screening levels in soil gas for a residential setting. The residual PCE is at levels that do not pose a risk to human health or the environment, and the property is suitable for unrestricted use. A no further action determination was completed for the site on 28 April 2017. (ACP)

- **Foster Poultry Farms, Applegate Ranch, Atwater, Merced County.** A no further action determination was issued on 14 March 2017. Three poultry ranches had 10,000-gallon diesel aboveground tanks, each plumbed to three boilers. The tanks and associated plumbing were removed. An assessment was conducted and degraded soil was excavated and transported to an appropriately permitted facility for disposal. Petroleum hydrocarbons were not detected above laboratory detection limits in confirmation soil samples. Petroleum hydrocarbons were not detected in a groundwater assessment. A report prepared by Condor Earth

Technologies, Inc., and signed by a State of California Professional Geologist recommended that the site be granted no further action status. Staff concurred. A Fact Sheet was distributed to nearby property owners and posted on the Central Valley Water Board website and no comments were received.

- **Foster Poultry Farms, Lincoln Ranch 3, 12619 W. Highway 140, Livingston, Merced County.** A no further action determination was issued on 14 March 2017. The poultry ranch had a 10,000-gallon diesel aboveground tank plumbed to two boilers. The tank and associated plumbing was removed. An assessment was conducted and degraded soil was excavated and transported to an appropriately permitted facility for disposal. Petroleum hydrocarbons were not detected above environmental screening levels in confirmation soil samples. Groundwater samples were collected at two depths at five locations. Total petroleum hydrocarbons as diesel were not detected above laboratory method detection limits. A report prepared by Condor Earth Technologies, Inc., and signed by a State of California Professional Geologist recommended that the site be granted no further action status. Staff concurred. A Fact Sheet was distributed to nearby property owners and posted on the Central Valley Water Board website and no comments were received.
- **Central Valley Ready Mix, 2601 S. Riverbend Avenue, Sanger, Fresno County.** A no further action determination was issued on 24 March 2017. Releases of petroleum hydrocarbons occurred in the vicinity of the repair shop and aboveground storage tank fueling area. Assessments were conducted to delineate the extent of petroleum hydrocarbon degraded soil and groundwater, including the installation of ten monitoring wells. Soil in the two areas was excavated to a depth of 15 feet and the degraded soil transported offsite to an appropriately permitted facility for disposal. The report states that total petroleum hydrocarbons left in place have concentrations less than 100 milligrams per kilogram in soil. Petroleum hydrocarbons remaining in groundwater are at concentrations below environmental screening levels. Central Valley Water Board staff has determined that the site meets the State Water Resources Control Board's Low-Threat Underground Storage Tank Case Closure Policy criteria for closure. Remaining petroleum hydrocarbons are expected to continue to degrade naturally.
- **Grapevine Pumping Station, Grapevine, Kern County.** A no further action determination was issued on 24 March 2017. Releases of crude oil from pipelines and a crude oil pumping station degraded soil and groundwater at the site. The extent of degraded soil and groundwater has been delineated during multiple assessments. Crude oil floating on groundwater has been bailed and removed during groundwater purging events. The floating product has been removed to the extent practicable. A 150-foot long groundwater plume with low concentrations of crude oil is limited to the site and no groundwater supply wells are located within 1,500 feet. A report prepared by Cardno and signed by a State of California Professional Geologist demonstrates that the site meets the requirements of the State Water Resources Control Board's Low Threat Underground Storage Tank Case Closure Policy criteria for closure. Remaining petroleum hydrocarbons are expected to continue to degrade naturally.
- **F-18 Crash Site Cleanup, Naval Air Station Lemoore (NASL), Lemoore, Kings County.** On 21 September 2015, an F-18 Navy fighter aircraft crashed in a privately owned farm field immediately west of the Navy facility's boundary. Constituents of concern related to the crash included jet fuel, hydraulic fluid, engine oil, and fire suppressant foam. Excavation activities conducted in June 2016 removed 750 cubic yards of impacted soil. In addition, approximately 750 cubic yards of soil impacted by carbon fiber pieces were also excavated. All excavated soil was disposed of at the Avenal Regional Landfill. Confirmation samples collected from the bottom and sidewalls of the excavation showed impacted soil had been adequately removed. The excavation was backfilled with imported clean soil. Based on the successful results of the cleanup efforts, a no further action required (closure) letter was issued on 12 April 2017.
- **Cross Petroleum, 3560 South Market Street, Redding, Shasta County**  
The subject case is a bulk fueling distribution facility, dispensing heating oil (kerosene) and diesel from an aboveground storage tank system. The Discharger discovered gasoline pollution in groundwater in 1989, at the time of property acquisition. In 1991, the Discharger reported a release of approximately 1,800 gallons of kerosene and excavated petroleum-affected soil to a depth of approximately 14 feet below ground surface. The Discharger removed approximately 3,900 pounds of petroleum by soil excavation. The Discharger has actively cleaned up groundwater; current groundwater monitoring shows that combined active cleanup and natural attenuation have been effective. Two vapor monitoring wells located on the south side of the existing

ASTs are inaccessible beneath concrete pavement and an above-ground pipe run. Central Valley Water Board staff determined that the case warrants no further investigation or cleanup until such time as the aboveground pipe run is removed, allowing access for destruction of the inaccessible monitoring wells. Staff issued a Conditional Notice of No Further Action Required in March 2017.

- **PG&E Cottonwood Substation, 21212 Trefoil Lane, Cottonwood, Shasta County**  
The subject case is an electrical substation. In April 2002, a transformer failure released approximately 4,300 gallons of mineral oil containing polychlorinated biphenyls (PCBs) to the surrounding pavement. The liquid flowed into the Spill Prevention Control and Countermeasure retention pond. The response action included removal of oil from the pond as well as excavation and off-site disposal of soil with visible traces of mineral oil (approximately 153 cubic yards). Staff estimates that 2 pounds of PCBs and 425 pounds of mineral oil were removed via the soil excavation. In February 2016, Central Valley Water Board staff approved an investigation work plan to assess residual concentrations of PCBs in soil and groundwater. Samples collected in November 2016 determined that PCB concentrations in soil were below screening levels and PCBs in groundwater were below the detection limit. Staff closed the case on April 2017.
- **Request for Modification of Monitoring and Reporting Program Order No. R5-2005-0816, Pacific Gas and Electric Company (PG&E), Former Antioch Service Yard, Buchanan and Somersville Roads, Northern Parcel, Antioch, Contra Costa County.** PG&E requested changes to the existing Monitoring and Reporting Order No. R5-2005-0816 (MRP) in order to accompany upcoming soil excavation activities. Soil excavation work was approved through a Remedial Action Plan/Remedial Action Work Plan on 22 November 2017 and work is expected to begin at the end of May. Monitoring wells will be destroyed prior to excavation activities and replacement monitoring wells will be installed after the excavation work is complete.
- **Soil Amendments Accelerate Nitrogen Removal, Koppel Stockton Terminal, 2025 W. Hazelton Ave., Stockton, San Joaquin County.** Koppel Stockton Terminal has been maintaining tree plantations at its facility in order to remove nitrate and ammonium from soil and groundwater. Nitrogen concentrations in groundwater have been declining over most of the site, with a notable exception of increasing nitrogen in groundwater beneath the former bagging plant area. A soil investigation revealed acidic soils between pH 3 and pH 5 in this area. In 2014, Koppel Stockton removed trees in the bagging plant area, incorporated the soil amendments of lime and gypsum to neutralize the acidity, and replanted trees. Since the soil amendments were added, the groundwater nitrogen concentration in the bagging plant area have shown two steady years of substantial decline, from a high of 1,200 mg/L nitrate-as-nitrogen in 2014 to 650 mg/L in 2016.

#### ***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**

- **Exxon Station (Matusko Exxon), 112 North Burnett Road, Tipton, Tulare County**  
An automotive service station and petroleum products bulk plant were formerly onsite, and the abandon buildings remain. An unauthorized gasoline release to soil was discovered in 1987 during removal of the UST system. An undocumented gasoline mass beneath the USTs was removed during subsequent soil excavation to 25 feet below ground surface. The extent of contaminants in soil and groundwater were

delineated by a series of investigations and groundwater monitoring conducted from 1991 to 2015. Approximately 91,700 pounds of volatile fuel hydrocarbons were removed by a soil vapor extraction (SVE) system from 2007 to 2015. Post-remedial investigation determined that approximately 4,600 pounds of hydrocarbons remained in soil. Health risk assessments during 2015 determined that risk from petroleum vapor and direct contact and outdoor air exposure was less than the level of concern. The remaining effects of the UST release are unlikely to threaten the present use of surface water, groundwater and public health, and should continue to degrade naturally, and Water Quality Objectives should be met within a reasonable time. The case was closed on 12 April 2017, in accordance with criteria contained in the Low-Threat Underground Storage Tank Case Closure Policy.

- **Hadley Yocum – Lakeside Bar, 10001 Kansas Avenue, Hanford, Kings County**

The Site is occupied by the former service station/bar building which is currently vacant. The Site is within a rural area, surrounded by cropland and some rural residences. There is a domestic water supply well onsite which serves residences south of the Site. An irrigation canal is across 10th Avenue (the western boundary) from the Site. Two underground storage tanks (USTs), one 750-gallon and one 1,000-gallon, were removed from the Site in May 1991. The USTs were reported to be badly corroded with holes in the bottoms. At that time, additional excavation was performed to remove the soil from immediately beneath the USTs. Subsequent investigation determined that the release had migrated to include an area about 3,400 square feet, which was wholly contained within the Site boundaries with a contaminant mass of approximately 3,000 gallons of gasoline.

Groundwater monitoring was initiated on the Site in January 2005 using a series of seven monitoring wells, with the most recent sampling event in December 2014. The concentrations of petroleum hydrocarbons detected in the impacted groundwater have been steadily decreasing since the initial monitoring. The data from the last three sampling events indicate that the plume of contaminants that exceed water quality objectives does not extend more than 80 feet laterally from the former UST locations, and is contained on the Site.

The case was closed 28 February 2017 consistent with the fundamental principles of the State Water Resources Control Board's Low-Threat Underground Storage Tank Case Closure Policy.

- **Webster Property, 3440 East Belmont Avenue, Fresno, Fresno County**

The Site contains an automobile sales and service building in an area of commercial and light industrial development. The nearest active water supply wells are more than 1,000 feet from the Site, and there are no surface water bodies within 1,000 feet of the Site. Groundwater is estimated to be approximately 100 feet below ground surface (bgs) beneath the Site, and flows toward the northwest.

A 500-gallon gasoline underground storage tank (UST) and associated dispenser were located adjacent to the east wall of the onsite building, near the south property boundary. The dispenser was located immediately above the UST. A release of petroleum product constituents was discovered during the removal of the UST and dispenser, in September 1994. Analytical results of a soil sample collected at 11 feet below ground surface (bgs), beneath the UST (source area), indicated concentrations of total petroleum hydrocarbons gasoline range constituents (TPHg) of 41 milligrams per kilogram (mg/kg).

A soil investigation was conducted at the Site in January 2016, with one soil boring to 30 feet bgs in the source area. Soil sample analytical results did not detect any soil impacted with petroleum hydrocarbons within source area. This evidence would suggest the release reported was very minor, perhaps the result of a small quantity spill during the UST removal action. Any petroleum hydrocarbons remaining would be confined to depths below 10 feet and above 15 feet bgs, and would have been significantly attenuated by the passage of time.

The case was closed 28 March 2017 in accordance with criteria contained in the State Water Resources Control Board's Low-Threat Underground Storage Tank Case Closure Policy.

b) **REDDING OFFICE**

• **Former USA Service Station #3572, 2700 Gateway Drive, Anderson, Shasta County**

The Site is an active commercial petroleum fueling facility. In October 1993, an unauthorized release was discovered during an underground storage tank (UST) removal and replacement project. Central Valley Water Board opened UST case, Beacon Station No. 572 Case #450150. Approximately 900 cubic yards of impacted soil was removed during UST removal activities. The maximum concentration of gasoline in soil was 2,100 milligrams per kilograms. In 1993 and 1994, four shallow monitoring wells and one recovery well were installed and sampled. Low levels of gasoline were detected in the vicinity of the former tank basin. Central Valley Water Board staff closed the Beacon Station No. 572 Case #450150 in August 1995. In September 2006, five direct push soil borings were advanced as part of a site assessment for a pending real estate transaction. The Discharger submitted a second unauthorized release report to Shasta County after groundwater impacts were detected in two borings. The case transferred to the Central Valley Water Board in March 2015. In October 2015, the Discharger conducted a site assessment which included soil sampling, monitoring well installation, and groundwater sampling. Soil results indicated low levels of petroleum hydrocarbons between 5 and 7 feet below ground surface. Groundwater results indicated low levels of petroleum hydrocarbons in two monitoring wells; these impacts were limited to the area adjacent to the dispenser islands. Staff closed the case under the Low-Threat Closure Policy in May 2017.

• **Shuffleton Hugh, 1100 Fell Street, Redding, Shasta County**

The property is occupied by a 5,000-square foot building. Groundwater impacts were discovered during the March 1994 UST removal. A May 1994 Central Valley Water Board request for a preliminary site assessment (PSA) went unanswered. Based on a 2005 site inspection, staff issued a 13267 Order requesting a PSA work plan; this request went unanswered. Central Valley Water Board staff issued draft and final 13267 Orders in May 2013 and February 2014, respectively. The Discharger did not provide the requested information. In May 2016, staff issued a Notice of Violation for failure to submit technical reports. The Discharger submitted an investigation work plan in August 2016, and submitted a report of findings in November 2016. The investigation identified petroleum-impacted soil at depths ranging from 10 to 15 feet below ground surface. Low concentrations of diesel-range organics were detected in groundwater in the vicinity of the former UST. Staff closed the case under the Low-Threat Closure Policy in April 2017.

• **Greenberg Property, 2819 Esplanade, Chico, Butte County**

Two USTs were removed from the vacant property in July 2016. Samples collected during tank removal confirmed diesel impacted soil beneath the one of the USTs. In August 2016, Butte County Division of Environmental Health requested that Central Valley Water Board become the lead agency. Soil excavation was conducted in September 2016. Four additional confirmation samples were collected from the excavation bottom and side walls from depths of 11 and 15 feet below ground surface and analyzed for diesel. All samples were below laboratory detection limits. Approximately 20 pounds of diesel-range petroleum hydrocarbons were removed from the site during the UST excavation. Staff closed the case under the Low-Treat Closure Policy in March 2017.

c) **SACRAMENTO OFFICE**

• **Former Snow's Automotive, 12621 East Highway 20, Clearlake Oaks, Lake County**

The Site's leaking UST system and approximately 100 cubic yards of petroleum hydrocarbon impacted soil which contained at least 10 gallons of gasoline were removed in 1995. In July 2010 the site was enrolled in the State's Emergency, Abandoned and Recalcitrant (EAR) program due to the responsible party being recalcitrant. An investigation showed the remaining petroleum plume in groundwater extends less than 100 feet from the former leaking USTs, is stable or decreasing in size, and will continue to attenuate with time. The site is currently unoccupied and an on-site domestic supply well remains approximately 100 feet downgradient of the former UST system; however, as a condition of case closure the property owner recorded a deed restriction which limits the use of water drawn from this supply well to irrigation purposes only. The site was closed on 2/21/2017. (EMC)

- **Dawson Oil Company – Auburn Bulk Plant, 346 Sacramento Street, Auburn, Placer County (Site Cleanup).** Dawson Oil released approximately 700 gallons of diesel from their above ground storage tank secondary containment to surface and groundwater during a heavy rain event in April 2005; Dawson recovered about 200 gallons of the release. Following the initial emergency response to the April 2005 release, Dawson conducted a groundwater investigation and discovered that petroleum impacted groundwater beneath the site had commingled with releases from the former bulk fuel facilities upgradient and downgradient of the Dawson facility. Investigation into the petroleum plume in groundwater revealed that the Dawson plume is about 250 feet in length, stable, and will continue to attenuate with time. The site was closed on 2/21/2017.
  
- **Circle K Store, 671 G Street, Lincoln, Placer County**  
A significant release of petroleum fuel occurred beneath the Site. However, the former UST system was removed and a combination of active remediation and natural attenuation have removed up to 6,262 pounds (980 gallons) of petroleum fuel from the subsurface, dramatically reducing constituent concentrations. Although petroleum fuel remains in the subsurface, historical groundwater sampling data show that the residual groundwater plume is defined, stable and is expected to attenuate below established WQOs within a reasonable timeframe. Furthermore, no supply wells are located within 1,000 feet of the Site and the closest surface water body to the Site is located approximately 2,900 feet southeast. Therefore, the remaining petroleum constituents are unlikely to pose a threat to human health or further impact waters of the state as they attenuate. Consequently, they do not justify the cost of any additional active remediation or monitoring, and Central Valley Water Board staff concurs with Antea’s recommendation for regulatory closure as a low risk site. This Site was closed on 21 February 2017.
  
- **Mother Lode Christian School, 18393 Gardner Street, Tuolumne, Tuolumne County**  
Two of the Site’s USTs (TK2 and TK3) were removed from the Site in 1996 and 1998, respectively, and one of the Site’s USTs (TK1) was closed in place in 1988. While soil samples collected beneath TK2 and TK3 indicated that petroleum hydrocarbons had impacted soil beneath the tanks, subsequent investigations completed in 2014 and 2015 indicate that soil, soil gas, and groundwater beneath the Site are not impacted by petroleum hydrocarbons. Any 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 State Water Resources Control Board’s Low-Threat Underground Storage Tank Case Closure Policy. This Site was closed on 3 March 2017.

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

**Sacramento County**

- Noble Auto Sales Site, 1212 Del Paso Boulevard, Sacramento
- Gem Auto Wash, 5150 Freepoint Boulevard, Sacramento

**STAFF RECOGNITION  
SUPERIOR ACCOMPLISHMENT AWARDS**

At the April 6/7, 2017, Board Meeting, Executive Officer Creedon presented Superior Accomplishment Award to the following staff:

**Candidate:** John Whiting  
**Unit:** Underground Storage Tank  
**Title:** Engineering Geologist (Fresno Office)  
**Supervisor:** Shelton Grey

John has been a staff geologist with the Underground Tank in the Fresno offices for several years now and consistently exhibits a professional and positive attitude and produces high quality work.

John is responsible for projects involving the Emergency and Recalcitrant and Orphan Account. For one case involving an abandoned site, he helped obtain a site access warrant from a Kern County judge. He is also the project geologist for a groundwater remediation project involving a 2000 foot MTBE plume, likely the largest in the state, in the City of Dinuba, which includes two opposing sets of attorneys and two opposing sets of consultants.

John has a good understanding of the regulations and is able to interpret and apply the Low Threat Closure Policy as it relates to his sites to determine whether the criteria are being met. John produces outstanding work, and exhibits good work habits. He is a consistent and exceptional professional geologist who oversees and mentors other technical staff. He is easy to work with, and a pleasure to know. His dedication to the Board's mission is evident and appreciated. For his continued hard work and productivity, John is very deserving of this recognition.

**EMPLOYEE OF THE MONTH RECOGNITION  
SACRAMENTO OFFICE  
MARCH, 2017**

**Candidate:** Walter Floyd  
**Unit:** Site Cleanup Program, Department of Defense Unit  
**Title:** Engineering Geologist  
**Supervisor:** Marie McCrink

Walter is an Engineering Geologist in the Site Cleanup Program (SCP), Department of Defense (DoD) Unit. He has over 25 years of experience in the in the private sector conducting and managing environmental cleanup of soil and groundwater at private sites and DoD facilities. In the short two years that Walter has been with the Central Valley Water Board, he has taken on management and oversight of a wide variety of complex cleanup projects like the Port of Stockton former Naval Communications Station, which has over 20 active sites in various stages of investigation and remediation. He is also in the process of implementing a regional evaluation of Hexavalent Chromium, 1,2,3-TCP, and Perfluorinated Compounds. To do this Walter has been working with State Board staff and the Division of Drinking water to develop a GIS mapping tool that has the ability to dig deep into analytical data and present it in a comprehensive way. Using this mapping tool, Walter has identified a significant number of new areas of groundwater contamination that will be addressed by the SCP team.

Walter works well with the regulated community to collect high quality data that is needed to make sound decisions based on "Good Science". For example, Walter's examination of poly-nuclear aromatic hydrocarbon (PAH) data at Beal Air Force Base, revealed a serious problem with historical data evaluation of PAHs relative to background. He pointed out the inaccuracy of using 20 year old detection limits as background, and the inadequacy of using them to ensure protection of human health in shallow soils. To resolve the problem Walter worked with the Air Force and their consultant to reevaluate numerous sites at the base and helped to develop solutions for acceptable remedies.

In summary, Walter goes above and beyond in his duties to ensure that quality work is completed, and that human health and the environment are protected.

**SACRAMENTO  
MARCH, 2017**

**Candidate:** Michelle Snapp  
**Unit:** NPDES Permitting  
**Title:** Water Resources Control Engineer  
**Supervisor:** Josh Palmer

Michelle is an Engineer in the Sacramento Point Source Permitting Unit and is being recognized for her outstanding work performance. Michelle always exhibits a positive attitude, produces quality work products, and has risen to every challenge thrown her way so far. Michelle was initially tasked with managing the NPDES general order program for the Unit, where she kept the program running seamlessly. This is not a simple task, especially for someone new to NPDES permitting. Recently, she has taken on a special project working directly with management and outside stakeholders to put together a Constituents of Emerging Concern or CECs program for the region. Michelle has done an excellent job coordinating meetings for the program, putting together deliverables, and helping organize a 2-day CECs workshop.

Her work productivity, attitude and thoughtfulness makes her a valuable member of our unit and the organization, she is definitely deserving of the Employee Recognition Award.

**FRESNO  
MARCH, 2017**

**Candidate:** Dean Hubbard  
**Unit:** Oil Fields – SB 4  
**Title:** Engineering Geologist  
**Supervisor:** Michael Pfister

Dean has worked in the Regional Board Fresno office as an Engineering Geologist for almost twenty years. Dean also has extensive prior environmental consulting experience. While with the Water Board, he has worked in several different program areas. Dean is currently in one of the Oil Fields Units and is primarily tasked with evaluating documents associated with oil well stimulations or hydraulic fracking related proposals required by Senate Bill 4. Dean has recently reviewed, and critically evaluated numerous well stimulation treatment applications, groundwater monitoring proposals, and groundwater monitoring exclusion proposals.

Dean consistently applies his outstanding knowledge of geology and hydrogeology during his reviews. This is demonstrated by his preparation of well written, concise memorandums that document Regional Board staff reviews. In addition Dean serves as a mentor to other less experienced staff. His superior positive attitude, outstanding geologic related knowledge and skills, field experience, and writing abilities serve as a role model.

For all this and more, Dean is well-deserving of the Employee of the Month award.

**REDDING  
MARCH, 2017**

**Candidate:** William Bergmann  
**Unit:** Groundwater Unit  
**Title:** Engineering Geologist  
**Supervisor:** Kate Burger

Bill Bergmann is an engineering geologist with the Redding Office's Groundwater Unit. He manages 36 cases within the Site Cleanup and Underground Storage Tank Programs, including five cases identified as priority projects for the Redding Office in the FY16/17 Annual Work Plan. To move some of these priority projects forward, Bill has been putting together proposals for Site Cleanup Account Program (SB445) funds.

On March 7, we learned that Bill's proposal for the Corning Groundwater Chlorinated Solvents case was successful. This case originated in 1992, when the City's Public Works Department reported tetrachloroethene contamination in their Houghton Avenue municipal supply well. The well has been off-line since that time. Bill's analysis suggests that the groundwater plume extends beneath a densely populated one-mile section of downtown Corning, and potentially threatens additional downgradient water supply wells. Vapor intrusion may also be a threat to nearby residents and businesses. Although several potentially responsible parties have been identified, none have available funds for investigation or cleanup. The \$329,000 awarded to the project will allow investigation cleanup activities to proceed, allowing us to assess the threat posed to human health and water resources.

A valued member of the Groundwater Unit, Bill is a pleasure to work with and generously shares his more than 30 years of environmental and hydrogeological expertise with his Redding Office colleagues. He brings a great deal of enthusiasm and passion to his work. Bill is a very deserving recipient of the March Employee Recognition Award.

**SACRAMENTO OFFICE  
APRIL, 2017**

**Candidate:** Kenny Croyle  
**Unit:** Compliance and Enforcement  
**Title:** Water Resources Control Engineer  
**Supervisor:** Howard Hold

Kenny Croyle has been a part of the non15/Title 27 Compliance and Enforcement Unit since December 2015. In a relatively short amount of time, he has become a valuable member of the enforcement team. This became evident during the first three months of 2017. During this time, Kenny was receiving daily spill reports from 18 facilities spread throughout his area of responsibility. Using his professional judgement and knowledge of wastewater systems, he helped Dischargers catalog their spills. Over the three month period, he responded to over 150 OES spill reports. Much of his work involved compliance outreach. His responses involved either phone calls or emails to the Dischargers to gather additional information not provided in the OES report. In addition, during storm events, he inspected facilities that were at risk to continue spilling. After discussions with various Dischargers, he prepared 18 NOV's outlining the information needed to evaluate whether additional improvements would be needed to bring the facility into compliance with the WDRs.

In addition to his non15 workload, Kenny also managed compliance at a large municipal landfill. The landfill is in the process of expanding over an area impacted by nitrates. He has provided guidance and suggestions to the Discharger that will enhance and clean up their plume within the time needed to meet their proposed construction schedule. His positive attitude and technical expertise have fostered positive feedback from the Discharger.

Kenny is a valuable asset to the Compliance and Enforcement Unit. His positive attitude and technical knowledge coupled with his ability to convey complex issues to his Dischargers has not only earned him respect from those Dischargers but has also improved how those Dischargers view the Regional Board.

For these reasons, Kenny Croyle is receiving this Employee Recognition Award.

**SACRAMENTO  
APRIL 2017**

**Candidate:** Ashley Peters  
**Unit:** Irrigated Lands Regulatory Program  
**Title:** Environmental Scientist  
**Supervisor:** Susan Fregien

Ashley is being recognized for her exceptional work in the Irrigated Lands Program. Since starting two years ago as a Water Resources Control Engineer, Ashley has proven herself versatile and skilled on a range of projects. She is a liaison for the Rice Commission and Grasslands projects and also provided much support for Sacramento Valley Coalition tasks. Ashley has provided thoughtful and detailed analyses of many technical and policy documents. A few examples include the State Water Board's proposed revisions to the East San Joaquin

Order, the Management Practice Evaluation Program proposals submitted by coalitions, Groundwater Quality Management Plans, and Nitrogen Management Plan reports. She also help launch the ILRP Success Stories webpage.

Ashley has excellent time management skills and anticipates when she will have time available to start new tasks. She is adept at juggling multiple projects and flexible when dealing with shifting priorities. Ashley frequently seeks, and readily accepts, new challenges. Ashley's writing skills are excellent and she has very good verbal communication skills. She represents Water Board interests well during communications with discharger representatives and provides helpful guidance. She spends the time required to learn about an issue and thinks through the implications of possible courses of action.

In all of her work, Ashley is very organized, efficient and accurate. Her initiative, combined with her experience, knowledge and skills make her an outstanding employee.

**FRESNO  
APRIL, 2017**

**Candidate:** Katie Carpenter  
**Unit:** Non-15  
**Title:** Engineering Geologist  
**Supervisor:** Scott Hatton

Katie has been the lead staff for the Fresno office for reviewing Local Agency Management Programs (LAMPs) for the counties of Fresno, Kern, Kings, Madera, Merced, Tulare, and Tuolumne. Per the State Board's Onsite Wastewater Treatment Systems Policy, or OWTS Policy, LAMPS are allowed for approval by the Regional Board as Conditional Waivers of Waste Discharge Requirements for OWTS. Her activities include:

- coordinate the review of each draft LAMP with the Department of Drinking Water,
- review and provide comments of each draft LAMP,
- coordinate the review of draft LAMPS with other regions in which the county exists,
- conduct conference calls with each County to iron out any outstanding issues with the draft LAMP, and
- prepare the agenda package for each final LAMP to be heard at a Board Meeting.

Katie had the first contested LAMP at the April Board meeting. Katie has also completed pre-issue paper conference calls for two WDRs and is currently finding time outside of LAMP stuff to complete the draft WDRs. She is always helpful to meet with Dischargers or answer their phone calls, enroll applicants into General Orders or Waivers, and review reports.

Katie is hard working and very knowledgeable of the WDR process and is a joy to have working in the WDR Unit.

**REDDING  
APRIL, 2017**

**Candidate:** Shane Edmunds  
**Unit:** Timber Unit, Redding  
**Title:** Engineering Geologist  
**Supervisor:** Ben Letton

Shane Edmunds is an engineering geologist with the Redding Office's Timber Unit. He works primarily in Shasta County participating in review of Timber Harvest Plans (THP) and managing enrollment of those projects in our Timber Waiver. Shane has also been closely involved in the development of a watershed-based planning effort in the Battle Creek Watershed for several years. He also represents the Water Board at several key agency workgroups and collaborative planning efforts, including: The Battle Creek Working Group and Mendocino Firescape.

The work that Shane has accomplished in the Battle Creek watershed has been exemplary. Not only has he been the lead staff for orchestrating development of a Watershed Based Plan (WMP) in Battle Creek, he also takes a primary role in managing a Timber Regulation and Forest Restoration Fund (TRFRF) grant; he has developed a MOU with United States Geologic Survey (USGS) for water quality sampling; he has helped to successfully execute a SWAMP contract with DWR for monitoring continuous flow at two key gaging stations in Battle Creek; he has led a team of technical staff during the data collection phase of the WBP; and with the assistance of his colleagues, he has successfully deployed and developed sampling procedures for continuous turbidity monitoring using newly acquired Water Board monitoring equipment in Battle Creek. The WBP project in Battle Creek is a complex and nuanced project that will be closely evaluated by many stakeholder groups, agencies, and by our executive management and Board. Shane is doing a great job and his efforts are worthy of recognition.

A valued member of the Timber Unit, Shane is a pleasure to work with and generously shares his time and expertise with his Redding Office colleagues. He brings a great deal of enthusiasm and passion to his work. Shane is a very deserving recipient of the April 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](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 84% of the current fiscal year.						
<b>Region 5 Performance Measurement Summary from 1 July 2016 to 3 May 2017</b>						
Programs	Original Target	* Actuals: Permits or Facilities Inspected	% Complete = Actuals/Original Target	Revised Target	** Total # of Inspections Performed	Comments
<b>NPDES Wastewater</b>						
Major Individual Permits Issued, Revised, and Renewed	5	3	60%	n/a	n/a	The majority of NPDES permits are scheduled for the latter half of the fiscal year.
Major Individual Facilities Inspected	25	14	56%	n/a	14	The majority of NPDES inspections are scheduled for the latter half of the fiscal year.
Minor Individual Permits Issued, Revised, and Renewed	11	4	36%	n/a	n/a	The majority of NPDES permits are scheduled for the latter half of the fiscal year.
Minor Individual Facilities Inspected	16	14	88%	n/a	17	
Minor General Enrollees Facilities Inspected	0	0	N/A	n/a	0	
<b>Waste Discharge to Land – Wastewater</b>						
Municipal Waste, Industrial Waste, and All Other Facilities - Permits Past Review Date Updated	25	22	88%	n/a	n/a	
Municipal Waste, Industrial Waste, and All Other Facilities - Number of Inspections	165	132	91%	n/a	150	
<b>Land Disposal</b>						
Landfills Permits Issued, Revised, and Renewed	11	8	73%	n/a	n/a	It is anticipated that the target will be met.
Landfill Inspections	104	72	98%	n/a	102	
All Other Permits Issued, Revised, and Renewed	2	1	50%	n/a	n/a	The remaining permit is scheduled for June.
All Other Inspections	20	25	155%	n/a	31	Includes mines and composting inspections that were not anticipated in determining the target.
<b>NPDES Storm Water</b>						
Stormwater Construction Inspections	385	277	98%	n/a	378	An increased number of inspections are being performed in response to the exceptionally wet winter season.
Stormwater Industrial Inspections	195	169	88%	n/a	172	
Stormwater Municipal Inspections	0	0	N/A	n/a	0	
<b>Other Programs</b>						
Forest Activities Inspections	166	95	61%	n/a	102	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	203	84%	n/a	234	
<b>Clean Up</b>						
New DoD Sites Into Active Remediation	15	17	113%	n/a	n/a	
New SCP Sites Into Active Remediation	84	21	25%	n/a	n/a	A large percentage of SCP sites are scheduled to initiate remediation in the fourth quarter of the current fiscal year.
Cleanup Program Sites Closed	68	83	122%	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	25	86%	n/a	n/a	
Underground Storage Tank Sites Closed	80	65	81%	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) notable enforcement actions; 2) a summary of orders issued; and, 3) a summary of all enforcement actions issued.

**1) Notable Enforcement Efforts** – This section provides information on Central Valley Regional Water Quality Control Board efforts that are noteworthy but may not otherwise be included in the other sections of this report.

**Status of Cruiser Haven, Inc., Delta Waterways LLC, Holland Riverside Marina Wastewater Treatment Facility, Contra Costa County.** On 24 June 2016, the Central Valley Water Board issued Administrative Civil Liability (ACL) Order R5-2016-0041 to Cruiser Haven, Inc., Delta Waterways LLC, Holland Riverside Marina for failing to submit monitoring reports and a technical report as required by Waste Discharge Requirements (WDRs) 5-01-093, and a Water Code section 13267 Order, respectively. At the hearing, the Board requested that staff provide an update of future report submittals, and the status of compliance with the WDRs. On 5 April 2017, Board staff inspected the wastewater treatment and disposal system. Staff also used the inspection time for compliance outreach and was able to answer the Discharger’s questions. No violations were observed during the inspection. Staff also reviewed monitoring reports submitted since adoption of the ACL Order, and found that they were complete and submitted on time. The monthly monitoring reports show that ammonia, and pH exceeded the limits allowed by the WDRs. A Notice of Violation letter has been prepared for Holland Riverside Marina that explains these violations. This effort is particularly noteworthy as it demonstrates staff’s attempts to provide additional “Compliance Assistance” in keeping with one of the Compliance and Enforcement Program’s approved priorities for the forthcoming fiscal year.

**2) 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.

Date	Agency	County	Notes
3/7/2017	Sacramento Area Sewer District	Sacramento	Administrative Civil Liability (ACL) Order R5-2017-0503 imposes a penalty in the amount of \$223,539 for violations to the <i>Statewide General Waste Discharge Requirements for Sanitary Sewer Systems Order No 2006-0003-DWQ</i> . Of that amount, \$111,769.50 shall be suspended pending the completion of a supplemental environmental project as set forth in Attachment C of the Order. The remaining \$111,769.50 shall be paid to the State Water Pollution Cleanup and Abatement Account.
3/8/2017	Teng Vang	Shasta	Cleanup and Abatement Order (CAO) R5-2017-0701 requires the Dischargers to clean up earthen materials, soil, sediment, nutrient rich waste waters, fertilizers, and pesticides that are discharging or threatening to discharge to tributaries of Duckett Creek, a tributary to the North Fork of Cottonwood Creek. The Dischargers performed this work in order to facilitate the cultivation of cannabis.

**Enforcement Table 1 – Region 5 Enforcement Orders (4 March 2017 through 5 May 2017)**

Date	Agency	County	Notes
3/13/2017	Original Sixteen to One Mine, Inc.	Sierra	ACL Complaint R5-2017-0515 alleges that the Discharger failed to submit technical reports as required by, and violated effluent limitations contained in, Waste Discharge Requirements (WDRs) Order R5-2015-0002 and Time Schedule Order (TSO) R5-2015-0035. The Complaint recommends an administrative civil liability in the amount of \$199,752.
3/13/2017	City of Live Oak	Sutter	ACL Complaint R5-2017-0512 charges the Discharger with an ACL in the amount of \$12,000 for mandatory minimum penalty (MMP) effluent limitation violations--for arsenic and nitrate--that occurred between 1 July 2016 and 31 January 2017.
3/13/2017	Linda County Water District	Yuba	ACL Complaint R5-2017-0516 charges the Discharger with an ACL in the amount of \$21,000 for seven MMP violations that occurred between 1 January 2016 and 31 January 2017. The Complaint alleges four total coliform violations, two pH violations, and one dichlorobromomethane violation.
3/13/2017	SDC Delta Coves, LLC.	Contra Costa	ACL Complaint R5-2017-0513 was issued for \$6,000 for two MMP reporting violations that occurred from 8 September 2015 through 31 December 2016. This Complaint alleges two, 30-day late monitoring report violations.
3/20/2017	City of Jackson	Amador	ACL Order R5-2017-0506 imposes a discretionary ACL in the amount of \$148,950 to be paid to the State Water Pollution Cleanup and Abatement Account. The alleged violations included failure to report SSOs, failure to adequately train collection system staff, failed to fully implement the Sewer System Management Plan (SSMP), and SSO record keeping inadequacies.
3/22/2017	Gold Creek Homes	Calaveras	On 17 April 2017 Gold Creek Homes accepted the Regional Board's Offer to Settle ACL issued by the Assistant Executive Officer on 22 March 2017 for the Woodgate Estates construction project. The Offer to Settle ACL was in the amount of \$63,971 for violations of the <i>General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities, Order 2009-009 DWQ</i> .
3/29/2017	County of Tuolumne	Tuolumne	Central Valley Water Board Order R5-2017-0508 memorializes the settlement reached between the Board and the County of Tuolumne for violations of the General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities, Order 2009-009 DWQ. The settlement was in the amount of \$131,464 to be paid to the State Water Resources Control Board's Cleanup and Abatement Account.
4/7/2017	Sweeney, James G & Amelia M	Tulare	ACL Order R5-2017-0038 adopted in the amount of \$75,600 pursuant to Water Code section 13268 for failure to submit a 2015 Annual Report.
4/7/2017	Sweeney, James G & Amelia M	Tulare	Cease and Desist Order (CDO) issued pursuant to sections 13301 and 13267 of the California Water Code (CWC) to address repeated violations of the <i>Reissued Waste Discharge Requirements General Order for Existing Milk Cow Dairies, Order R5-2013-0122</i> .

**Enforcement Table 1 (cont.)**

Date	Agency	County	Notes
4/10/2017	Forward, Inc. and Republic Services, Inc.	San Joaquin	CAO R5-2017-0703 issued pursuant to CWC sections 13267 and 13304 to investigate the discharges of waste to groundwater, clean up the waste, and abate the effects of the waste resulting from the operations at the subject facility. Moreover, the Discharger is required to comply with Waste Discharge Requirements Orders R54-2003-0080 and R5-2014-0006.
4/11/2017	River Islands Development, LLC	San Joaquin	ACL Complaint R5-2017-0514 charges the Discharger with an ACL the amount of \$33,000 for MMP effluent limitation violations that occurred from 29 June 2016 through 31 December 2016. This Complaint alleges one settleable solid and ten total suspended solid (TSS) violations.
4/12/2017	Calaveras County Water District (West Point WWTP)	Calaveras	Notice of Violation (NOV) and CWC 13267 Investigative Order issued requiring technical reports regarding capacity concerns with a deadline of 1 July 2017.
4/12/2017	Sutter Creek City	Amador	NOV and CWC 13267 Investigative Order issued requiring technical reports regarding capacity concerns with the first submittal deadline being 1 June 2017.
4/12/2017	Calaveras County Water District (Sourthworth Ranch Estates WWTF)	Calaveras	NOV and CWC 13267 Investigative Order issued requiring technical reports regarding capacity concerns with the first submittal deadline being 1 July 2017.
4/12/2017	Calaveras County Water District (Arnold WWTP)	Calaveras	NOV and CWC 13267 Investigative Order issued requiring technical reports regarding capacity concerns with the first submittal deadline being 1 June 2017.
4/13/2017	River Pines Public Utilities District (PUD)	Amador	NOV and CWC 13267 Investigative Order issued requiring technical reports regarding capacity concerns with the first submittal deadline being 1 July 2017.
4/13/2017	Calaveras County Water District (Copper Cove WWRF)	Calaveras	NOV and CWC 13267 Investigative Order issued requiring technical reports regarding capacity concerns with the first submittal deadline being 1 June 2017.
4/14/2017	California Department of Corrections and Rehabilitation	San Joaquin	ACL Complaint R5-2017-0509 charges the Discharger with an ACL in the amount \$24,000, representing the sum of accrued MMPs for effluent limitation violations that occurred between 1 May 2016 and 31 January 2017. The Complaint alleges one nitrate / nitrite violation and seven total coliform violations.
4/17/2017	El Dorado Irrigation District	El Dorado	NOV and CWC 13267 Investigative Order issued requiring technical reports regarding capacity concerns with the first submittal deadline being 15 May 2017.
4/20/2017	City of Galt	Sacramento	ACL Complaint R5-2017-0511 charges the Discharger with an ACL in the amount of \$15,000, which represents the sum of MMPs for effluent limitation violations that occurred between 31 December 2015 and 31 January 2017. The Complaint alleges five total ammonia violations.

3) **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 28% of all the enforcement actions tracked in CIWQS during this period including 62% of all NOV's and 33% of all ACL's.

**Enforcement Table 2 – Statewide Enforcement Actions (4 March 2017 through 5 May 2017)**

Region / Office	Enforcement Actions									
	VER	SEL	NOV	13267	NNC	TSO	CAO	CDO	ACL	Total
1	0	0	2	0	0	0	1	0	0	3
2	2	0	1	0	0	0	0	0	7	10
3	0	0	1	0	1	0	0	0	2	4
4	0	0	48	1	189	1	0	0	12	251
5F	2	0	20	0	0	0	0	1	1	24
5R	7	4	8	0	0	0	1	0	0	20
5S	0	0	66	7	0	0	1	0	11	85
<b>RB5 Total</b>	9	4	94	7	0	0	2	1	12	129
6	4	0	1	0	0	0	0	0	0	5
7	0	0	0	0	0	0	0	0	1	1
8	5	22	3	0	8	0	0	0	1	39
9	1	15	1	0	0	0	0	0	1	18
<b>Total</b>	<b>21</b>	<b>41</b>	<b>151</b>	<b>8</b>	<b>198</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>36</b>	<b>460</b>
<b>Enforcement Actions:</b>										
<b>VER</b> = Verbal Communication					<b>NNC</b> = Notice of Non-Compliance (Stormwater)					
<b>SEL</b> = Staff Enforcement Letter					<b>TSO</b> = Time Schedule Order					
<b>NOV</b> = Notice of Violation					<b>CDO</b> = Cease and Desist Order					
<b>13267</b> = Water Code Section 13267 Investigative Order					<b>ACL</b> = Administrative Civil Liability					

## SANITARY SEWER OVERFLOWS, COMPLAINTS AND SPILLS

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

There were six SSO events resulting in a spill in excess of 50,000-gallons in February and March 2017.

- **Hangtown Creek Collection System, City of Placerville – Two Spills: 602,900 gallons and 582,000 gallons.** According to the California Office of Emergency Services (CalOES) Spill Report No. 17-1087, on 6 February 2017, the Discharger reported a sewage release to Hangtown Creek from a clean-out due to a storm surge in the collection system between 6 February 2017 and 11 February 2017. Specific details regarding the storm surges were not provided by the Discharger. However, the manholes where the blockages/spills occurred were inaccessible during the storms due to flooding in Hangtown Creek. Approximately 602,900 gallons of sewage was released to Hangtown Creek. According to the Discharger's CAL-OES 17-1525 report, on 20 February 2017, the Discharger reported a sewage release from a manhole which entered into Hangtown Creek on 20 February 2017. Approximately 582,000 gallons of sewage was released to Hangtown Creek. Regional Board staff issued a Notice of Violation (NOV) on 12 April 2017 that addressed the two SSOs listed above, along with two additional SSOs and two secondary wastewater spills that all occurred in the months of January and February 2017. The NOV requires a response from the Discharger including submitting a copy of the approved Sanitary Sewer Management Plan (SSMP), which is required by *Order No. WQ 2013-0058-EXEC, General Waste Discharge Requirements for Sanitary Sewer Systems (SSO General Order)*.
- **Manteca Collection System, City of Manteca – 420,000 gallon spill**  
According to the Discharger's 5-day spill report, on 9 February 2017 the failure of a 30-inch trunk line caused an SSO of 420,000 gallons, of which 418,000 gallons reached surface waters. Level monitoring equipment in an upstream manhole failed to notify the Discharger of high water levels, which delayed response to the spill. The spill occurred during a period of heavy precipitation and discharged to the French Camp Outlet Canal (Canal). At the onset of the spill, it was believed that the spill was contained within the separate storm sewer system and local retention basins; however, it was later discovered that the basins act as surge basins and the storm sewer system discharged directly to the Canal during the event. Regional Board staff issued an NOV on 12 April 2017 requiring a response including a copy of the Discharger's approved SSMP.
- **Lake Berryessa Resort Collection System, Lake Berryessa Resort Improvement District – 4,515,708 gallon spill.** According to CalOES Spill Report No. 17-1605 (Spill Report), the Discharger reported a controlled discharge of treated wastewater from Pond 7 to land application on 20 February 2017. The treated wastewater and rainwater was applied without capturing tail-water runoff and, ultimately, flowed to surface water. The Spill Report states that due to intense precipitation during January and early to mid-February the controlled discharge was necessary to lower the pond levels and prevent potential overtopping of the pond berm. According to the Discharger's 45-day Technical Report, the series of intense winter storms that passed through California in January and early to mid-February of 2017 brought approximately 26 inches of rain in addition to the approximately 16 inches of rainfall between October and December of 2016. The Discharger states that they have reviewed all of the inflow data for the collection system and rainfall data between October 2016 and February 2017 and that the total volume of this water does not equal the volume of water in the ponds. The Discharger is therefore in the process of evaluating whether overland discharge sources, groundwater seepage, or a combination of both resulted in the increased pond levels during the winter. Regional Board staff issued a NOV on 12 April 2017 requiring a response including a copy of the Discharger's approved SSMP.
- **City of Sacramento Combined Collection System, City of Sacramento – 222,408 gallon spill**  
According to the Discharger's Certified Spill Report, the 222,408 gallon spill occurred on 20 February 2017 due to a surcharged gravity main. The Spill Report also states that the Discharged volume was calculated using field measurements and a topography modeling program and all of the volume was recovered with all impacts cleaned-up and mitigated. The Discharger reported that the long-term goal is to improve the statistical potential of flooding (spills) from 5 year to ten year storms. No NOV was issued by Regional Board staff for this SSO as none of the material reached surface waters.

- Northwest Regional Waste Disposal Facility Collection System, County of Lake – 378,000 gallon spill**  
 According to the 10 April 2017 45-day Technical Report submitted by Lake County Special Districts Administration (Lake County), Lake County was notified of a previously unknown leak by a customer via telephone call to the administration office. Lake County field staff verified that the leak was an SSO emanating from the customer's property line cleanout. The final destination of the SSO included local ponding at the appearance points with the majority of the SSO progressing eastward into Clear Lake. Flow rates at each of the appearance points were estimated using the SMARTS SSO Handbook and past experience of field staff. Lake County staff estimated that approximately 10,000 gallons discharged to land, of which approximately 8,230 was recovered. Significant rainfall in January and early February caused Clear Lake to surpass its flood stage (nine feet on the Rumsey scale) on 8 February 2017. By 20 February the lake level surpassed 10 feet and significant effects of the flooding were being experienced throughout the County. The lake continued to rise submerging public and private sewer infrastructure as it did. The flooding exceeded the 100 year flood for Clear Lake and the wide-ranging damage was recognized at the local, State, and Federal levels. Field staff responded within 25 minutes of the reported discharge and the area was posted with warning placards and staff proceeded with SSO response activities including arranging vacuum trucks and septic hauling.

For this reporting period, there were **315** total SSO spills: **60** Category 1, **11** Category 2, and **244** 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](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. So far, in the 2016-17 fiscal year, Central Valley Water Board staff have logged **186** complaints from phone calls, emails, and from the CalEPA Complaint database (<https://calepacomplaints.secure.force.com/complaints/>). So far, **147 (79%)** complaints have been investigated and closed, or referred to another environmental enforcement agency. Investigations for the remaining **39** complaints remain ongoing.

- Surface Water Quality Complaint, Coarsegold Creek, Madera County**  
 On 22 March 2017, Central Valley Water Board staff received a complaint of foam in Coarsegold Creek. The complaint was provided to multiple State and County agencies, and subsequently upgraded to include concern of septic system discharge to the creek. Central Valley Water Board staff responded to the upgraded complaint on March 28 and learned that Madera County had already identified a septic system permitted by the County which had been discharging to the creek upstream of the complainant's property, due to a combination of wet weather and a failed septic pump, and that the discharger had undertaken repairs. Water Board staff requested and received confirmation from the County on March 28 that the discharge to the Creek had stopped and corrective actions specified by the County had been completed. In response to follow up complaints about persisting foam in Coarsegold Creek from the original complainant, Water Board staff inspected a septic system discharge under Waste Discharge Requirements upstream of the complainant. The inspection included the collection of water samples to help determine whether the permitted facility was impacting Coarsegold Creek. Staff also collected water samples in Coarsegold Creek and upstream and downstream of the complainants property. Minimal foam was present in the Creek at the time of Water Board staff observation. Analytical results of the water samples collected did not identify septic system or other pollution of the Creek. Staff received two news media contacts (SierraNewsOnline.com) in the matter, on 12 April (which resulted in a published 12 April article) and on 26 April, with an expressed

desire to publish an updated article. Staff has responded to SierraNewsOnline.com noting that will receive an update once staff has analyzed the data.

## **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. 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 scheduled to take place in spring 2017. Delta Conservancy 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. A draft sign-posting protocol was finalized by the Steering Committee in March 2017 and will be instrumental in organizing agency staff, community-based organizations, community member volunteers, as well as MERP program staff for the sign-posting activities.

On 17 May 2017, MERP hosted a stakeholder meeting that included a speaker from the Office of Environmental Health and Hazard Assessment (OEHHA) that talked about the health risks of subsistence fishing and summarized OEHHA's Biomonitoring program and how it can demonstrate mercury levels in human blood/urine. The theme of this meeting was Women and Children's health.

Central Valley Water Board staff coordinated with the Department of Water Resources (DWR) to print laminated posters of the OEHHA fish consumption advisories. Some of these posters were promptly put to use by one of the small grant recipients in San Joaquin County as a teaching tool for their community outreach meetings.

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

On 14 March 2017, the Technical Advisory Committee (TAC) held a meeting to review the fiscal year 2017/18 monitoring proposals that were prioritized by the technical subcommittees for mercury, nutrients, and current use pesticides. Proposals were presented to the TAC in the context of the Delta RMP's refined assessment questions. The TAC also discussed a criteria and process for ranking monitoring proposals. Subsequent technical subcommittee meetings and calls were held in March and April to discuss and finalize the monitoring plan recommendations for Steering Committee consideration on 3 May 2017.

On 25 April 2017, the Finance Subcommittee met to discuss and provide feedback on the draft budget report for fiscal year 2016/17 and the draft work plan and budget for fiscal year 2017/18.

On May 1 and 2, Delta RMP members and staff participated in a Contaminants of Emerging Concern (CEC) workshop that focused on information sharing among the State Water Board and Regional Boards and a discussion regarding the draft monitoring proposal for CEC monitoring in the Central Valley. The current state of knowledge on CECs and study efforts underway in the Bay-Delta and other areas of California were key components in the information sharing. The goal of the information sharing is to bring participants to a common level of understanding regarding CECs; what has been done, what information gaps exist, and what risk analysis has been done. Lessons learned and a potential State wide consideration was also discussed. Participants also discussed potential opportunities to partner with other agencies currently conducting CEC monitoring, and what types of studies might be most critical to the Delta.

The Delta RMP Steering Committee meeting on 3 May 2017 focused on approval of the fiscal year 2017/18 draft work plan and budget. The Steering Committee ultimately approved the budget and work plans for mercury, nutrients and core program activities. The Steering Committee will consider the pesticide and toxicity budget and work plan at its 28 July 2017 meeting. Other topics included a discussion regarding the potential role for the Delta RMP in harmful algal blooms monitoring.

### 3. **Delta Nutrient Research Plan**

The purpose of the Nutrient Research Plan is to identify research and modeling needed to determine whether water quality objectives for nutrients are needed to address problems of low primary productivity, harmful algal blooms, invasive aquatic plants, and low dissolved oxygen. Staff is working with a Stakeholder and Technical Advisory Group (STAG) to develop the research plan.

Ongoing activities include:

- The development of a process for prioritizing research recommendations in the research plan. A proposal on the process drafted by the Prioritization Work Group was presented at the 24 March STAG meeting and is being considered by the STAG.
- A white paper on the roles of nutrients in controlling primary productivity was presented at the 17 April STAG meeting. STAG comments will be collated and appended to the document.
- A white paper on Drinking Water issues related to nutrients in the Delta is being prepared by the Drinking Water Work Group and is anticipated for review by the STAG on 8 May in preparation of its presentation at the 15 May STAG meeting.
- Upcoming meetings of the STAG are 15 May and 12 June.
- Staff anticipates having a draft Nutrient Research Plan available for review in July 2017.

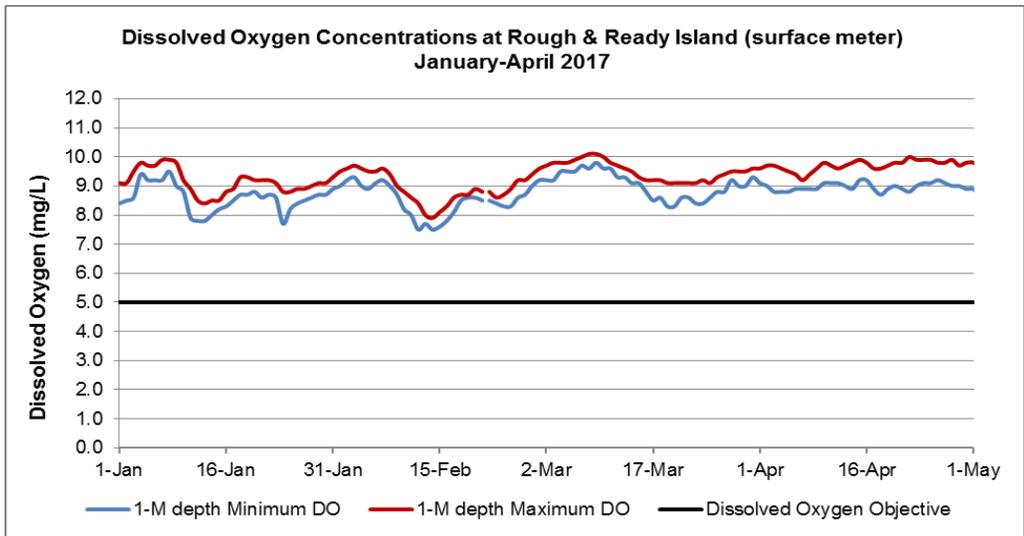
Papers describing current research for nutrients and cyanobacteria blooms, invasive aquatic plants, and biogeochemical modeling, as well as other project information, are available here:

[http://www.waterboards.ca.gov/centralvalley/water\\_issues/delta\\_water\\_quality/delta\\_nutrient\\_research\\_plan/index.shtml](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. The maintenance and operation of the device is funded under an agreement by several San Joaquin River Dissolved Oxygen TMDL stakeholders, including the Port of Stockton, San Joaquin Tributaries Authority, San Luis & Delta-Mendota Water Authority, San Joaquin Valley Drainage Authority and the State Water Contractors. The original 2011 agreement was amended in 2016 and expires in May 2017. In March 2017, the parties agreed to renew the agreement for an additional one year period.

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 working internally with Program Managers and externally with CV-SALTS stakeholders to draft initial Basin Plan amendment language and identify any additional needed 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.

### 2. **Lower San Joaquin River Salt and Boron Water Quality Objectives (WQOs)**

On 27 February, proposed Basin Plan Amendments (BPA) and supporting draft Staff Report to establish salinity WQOs on the Lower San Joaquin River (LSJR) was released for public review and comment. A peer review of scientific elements of the proposed regulatory action was completed on 2 March. The Board received staff's presentation and response to peer review comments, as well as oral comments from interested parties, at a public hearing on 6 April in Clovis. The Public review period closed on 14 April 2017 and thirteen comment letters were received. In response to comments, the staff report was updated and released to the public on 9 May 2017. Responses to all comments will be posted prior to the Board considering adoption of the proposed BPA at a public hearing on 8/9 June in Rancho Cordova.

Information on the proposed Amendment and supporting projects can be found

at: [http://www.waterboards.ca.gov/centralvalley/water\\_issues/salinity/upstream\\_salt\\_boron/index.shtml](http://www.waterboards.ca.gov/centralvalley/water_issues/salinity/upstream_salt_boron/index.shtml)

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>

### 3. **CV-SALTS Meeting Participation**

On 24 March, Glenn Meeks participated in the CV-SALTS Public Education and Outreach Committee meeting to discuss 9 March Hearing feedback and to review outreach materials, including a CV-SALTS Salt and Nitrate Management Plan summary brochure and industry inserts.

On 19 April, Jeanne Chilcott and Glenn Meeks participated in a CV-SALTS planning meeting for preparation of the basin plan amendment language to implement the final SNMP. A process was agreed to for development of draft language for the CV-SALTS preferred alternative as well as alternatives that had been documented in the final SNMP.

On 20 April, 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 9 March hearing feedback, Public Education and Outreach Committee developed informational materials (brochure and inserts) and Cleanup and Abatement Fund grant scope of work and constraints.

On 2 May, Jeanne Chilcott met with CV-SALTS and Environmental Justice (EJ) representatives to develop a process to insure that EJ alternatives to the CV-SALTS preferred recommendations are adequately characterized and available for Board consideration in the future.

On 3 May, Jeanne Chilcott and Glenn Meeks met with representatives from water agencies and drinking water purveyors to develop a process to insure that their alternative to the CV-SALTS preferred recommendations are adequately characterized and available for Board consideration in the future.

4. **United States Bureau of Reclamation (USBR)—Management Agency Agreement (MAA)** USBR has hired Brian Hughes, a new Project Manager for the Program to Meet Standards. A quarterly MAA meeting with Central Valley Water Board staff and representatives for USBR, the Western San Joaquin River Coalition and the Grasslands Water District was held on 20 March 2017 to discuss updates with the Real Time Salinity Management Program (RTMP) for the Lower San Joaquin River. The Steering Committee of the Board-approved RTMP met on 4 April and the meeting focused on the online San Joaquin River Real Time Management Model.
5. **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. Responses to comments will be posted prior to the Board considering adoption of the proposed BPA at a public hearing on 8/9 June 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](http://www.waterboards.ca.gov/centralvalley/water_issues/salinity/mun_beneficial_use/index.shtml)

## TMDL BASIN PLANNING

### 1. Pesticide Basin Planning/TMDLs

#### **Pyrethroid Basin Plan Amendment and TMDL**

A public hearing was held by the Central Valley Water Board on 24 February 2017 to receive oral comments on a proposed Basin Plan Amendment and TMDL for the Control of Pyrethroid Pesticide Discharges. The draft proposed amendment and supporting Staff Report were released to the public on 25 January 2017 and the public written comment period was extended to March 2017. Fourteen comment letters were received and the written responses to comments will be posted prior to the Board considering adoption of the proposed Amendment at a public hearing on 8/9 June in Rancho Cordova. More information on the project can be found at:

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

### 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 3<sup>rd</sup> 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](http://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/impaired_waters_list/index.shtml)

### 3. Evaluation of Ammonia Water Quality Criteria for the Protection of Aquatic Life in the Central Valley

Three CEQA Scoping Meetings were held in Rancho Cordova, Fresno, and Redding on 15 March, 16 March, and 22 March, respectively. The purpose of these CEQA Scoping Meetings were to solicit public input on the evaluation of the ammonia water quality criteria for the protection of aquatic life and potential basin plan amendments based on the evaluation. Presentations described how the Central Valley Water Board currently regulates ammonia in the Tulare Lake Basin and the Sacramento River and San Joaquin River Basins and the need to evaluate ammonia water quality criteria for the protection of aquatic life. Potential basin plan amendment alternatives were provided to stimulate discussion and generate input from stakeholders. For more information, please

see [http://www.waterboards.ca.gov/centralvalley/water\\_issues/basin\\_plans/ammonia\\_wqos/index.shtml](http://www.waterboards.ca.gov/centralvalley/water_issues/basin_plans/ammonia_wqos/index.shtml).

### 4. Evaluation of Temperature Criteria for the Protection of Central Valley Salmonids

On 16 March, the State Water Board executed a Clean Water Act section 205(j) grant agreement with University of California, Davis, to conduct a literature review to evaluate the efficacy of temperature criteria, including the USEPA Region 10 guidance for Pacific Northwest States, to protect salmonids in the Central Valley. In coordination with the project underway by the University of California, Davis, the Central Valley Water Board contracted with the University of California, Santa Cruz, to evaluate existing literature and develop a methodology for determine appropriate temperature criteria ranges in Central Valley streams to protect anadromous salmonids while also protecting other rare and endangered aquatic life. The contract with the University of California, Santa Cruz, was executed on 13 March.

## NPDES

1. **Sequoia and Kings Canyon National Parks, Proposed Discharge of Rotenone to High-Elevation Surface Waters.** The National Park Service recently completed its Restoration of Native Species in High-Elevation Aquatic Ecosystems Plan (Restoration Plan) for the Sequoia and Kings Canyon National Parks (National Parks). The purpose of the Restoration Plan is to restore a portion of the high elevation aquatic ecosystems in the National Parks to natural conditions allowing for native species and ecosystems to function naturally (e.g., to allow recovery of the endangered mountain yellow-legged frog). To accomplish this goal, the National Park Service plans to remove nonnative trout from designated water bodies. For areas where it is infeasible to remove nonnative trout via physical means, the National Park Service proposes to use a piscicide called rotenone. The National Park Service proposes to only apply rotenone to approximately 33 of the 550 waterbodies (6%) that contain nonnative trout in the National Parks. These waterbodies include high elevation lakes, ponds, and streams in the National Parks that predominantly comprise the headwaters of the Kaweah, Kern, Kings, and San Joaquin Rivers, all of which are waters of the United States.

The National Park Service plans to apply rotenone in nine treatment areas within the National Parks starting with the first treatment area in the late summer of 2018. The remaining eight applications are expected to occur at an interval of one every two years, with the final rotenone application occurring around year 2035. As of 5 May 2017, the National Park Service is working on submitting a Report of Waste Discharge for the proposed rotenone applications.

Rotenone is registered with the U.S. Environmental Protection Agency as a botanical pesticide used for piscicidal uses (fish kill uses). Depending on the environmental conditions (e.g., solar exposure, lake depth, wind, pH, etc.), rotenone breaks down naturally within approximately 14 to 28 days. Rotenone can also be neutralized by applying potassium permanganate to the waterbody.

The application of rotenone to these high-elevation surface waters requires a NPDES permit. Therefore, once a Report of Waste Discharge is received, Central Valley Water Board staff will begin drafting a NPDES permit for the proposed application of rotenone. In the meantime, due to the uniqueness and potential controversy associated with this project, Central Valley Water Board staff in conjunction with National Park Service staff, has engaged the public by conducting public outreach meetings. The purpose of the meetings is to inform the public about the Restoration Plan, specifically regarding the application of rotenone, and the NPDES permitting process. The first public outreach meeting was held in Three Rivers on 3 April 2017 during the Three Rivers Town Hall Meeting. Another public outreach meeting is scheduled for Tuesday, May 16th at the Central Valley Water Board office in Fresno.

In addition to the tasks described above, Central Valley Water Board staff is currently working with the California Department of Fish and Wildlife to elicit any comments/concerns it may have related to the proposed rotenone applications.

2. **Summary of individual NPDES permits rescinded and the discharges covered under general NPDES permits.** The Central Valley Water Board has issued several NPDES general orders to streamline the permitting process for similar-type discharges. Where existing NPDES permittees meet the eligibility requirements of the general orders staff seek to enroll the permittees under the general orders to streamline the permitting process. NPDES Table 1, below, shows the individual permittees that have requested enrollment under a general order, resulting in the rescission of their individual NPDES permit at the 8/9 June 2017 Board meeting.

(See table on next page)

**NPDES Table 1**

<b>Facility</b>	<b>Individual NPDES Permit</b>	<b>General NPDES Permit</b>
AmeriPride Services Inc, Operable Unit 3 Groundwater Treatment System	Order R5-2012-0100 (NPDES No. CA0085219)	On 3 April 2017, AmeriPride Services, Inc. submitted a Notice of Intent for coverage under the Limited Threat General Order R5-2016-0076, NPDES No. CAG995002. A notice of applicability is proposed to be issued by the Executive Officer by 1 August 2017.
Metropolitan Stevedore Company, Port of Stockton Facility	Order R5-2012-0118 (NPDES No. CA0084174)	On 28 April 2017, Metropolitan Stevedore Co. submitted a Notice of Intent for coverage under the Limited Threat General Order R5-2016-0076, NPDES No. CAG995002. A notice of applicability is proposed to be issued by the Executive Officer by 1 July 2017.
Department of Parks and Recreation, Empire Mine State Historic Park	Order R5-2012-0051 (NPDES No CA0085171)	On 27 January 2017, the Department of Parks and Recreation. submitted a Notice of Intent for coverage under the Limited Threat General Order R5-2016-0076, NPDES No. CAG995002. A notice of applicability is proposed to be issued by the Executive Officer by 8 June 2017.

## DAIRIES/CONFINED ANIMAL FACILITIES

1. **Waste Discharge Requirements General Order for Poultry Operations** – Staff has had discussions with a pasture poultry operator who provided comments at the December meeting regarding whether all the requirements in the General Order for Poultry Operations for the Full-Coverage tier are appropriate for operations that raise poultry on pasture. Staff has spoken with the operator by phone, but because of busy schedules on both sides, we have not been able to arrange a site visit and in-person meeting at the operator's facility in Orland yet. Staff will update the Board at the August meeting about whether or not it will recommend any changes to the Poultry General Order.
2. **Inspections** – Staff has completed approximately 233 dairy inspections for FY 2016/17 so far, including 164 compliance inspections. This outcome is on track to meet our performance target, but not in alignment 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 is 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.
3. **Enforcement** – Staff in the Rancho Cordova office are responding to several off-property discharges from dairies that were discovered subsequent to recent storm events. Of the six ongoing investigations, five involve a discharge of waste to a surface water body. Conditions observed include runoff from cropland, overtopping of wastewater storage ponds, and uncontrolled releases. Staff is coordinating with Department of Fish and Wildlife personnel on the cases involving surface water discharges.

## OIL FIELDS

### 1. **Waste Water Surface Ponds**

Three General Orders for discharges of oilfield wastes to land in the Tulare Lake Basin were adopted by the Central Valley Water Board at their 6/7 April 2017 meeting. Dischargers who need to be covered under these General Orders are required to submit their Notices of Intent by 7 May 2017.

Two draft Revised Monitoring and Reporting Programs for Valley Water Management Company are expected to go out by the end of May 2017. 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 recession 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. Two significant events occurred in March 2017.

- A spill of crude oil and produced wastewater into a dry stream bed from the Section 26C Water Plant operated by Chevron USA, Inc., in the Kern River Oil Field occurred on 4 March 2017. The cause of the spill was reported as the failure of a pipeline. Reportedly, approximately 1.87 barrels of crude oil and 1.53 barrels of produced wastewater were discharged. Staff inspected the spill site before and after the completion of clean-up activities. Staff of the California Department of Fish and Wildlife inspected the spill site and did not require cleanup.
- A spill of crude oil occurred on 16 March 2017 due to a production issue with a drill rig while working on a well on the Corey lease in the Mountain View Oil Field in Kern County. Regional Board staff and Kern County Environmental Health staff responded and inspected the site. The oil flowed up to an alfalfa field but did not enter the field. The oil was cleaned up back to the rig and a berm was built around the rig until it could be moved. After the rig was moved, the balance of the spill was cleaned up.

Staff is considering appropriate enforcement for the spills.

### 3. **UIC Program (from 17 February 2017 to 27 April 2017)**

Staff has received and reviewed two of the technical reports that were submitted in response to 13267 Orders. The Orders issued to oil field operators requesting information 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. As a result of these reviews, staff issued two letters of compliance, and conducted followed-up proceedings with four operators regarding obtaining required outstanding information.

Staff issued a post NOV, pre-enforcement letter to an operator for failure to provide information required by a 13267 Order. The Order was issued to assess potential impacts to groundwater due to a defective well casing.

Staff continues their review of five existing Aquifer Exemptions, and two amended Aquifer Exemption applications (Kern River and Lost Hills Phase I). Staff is also reviewing the Division of Oil, Gas, and Geothermal Resources' responses to the Water Board's questions prepared regarding the Aquifer Exemption applications for the Lost Hills and Kern River Aquifer Exemption. Meetings have been held with staff from all three agencies (State Board, Regional Board, and the Division) to allow direct communication/interactions in addressing the complex issues raised during the aquifer exemption review process. In conjunction with this process, staff has had frequent discussions with State Board aimed at reaching an agreement on the proposed language to be used in Aquifer Exemption concurrence/non-concurrence letters.

Staff have been reviewing seven Underground Injection Control (UIC), Project Approval Letters (PAL) for proposed injection project that was submitted to the Division for waste water disposal into a portions of the following oil fields: Jacalitos, Coalinga, Edison (two PALs), Blackwells Corner, Antelope Hills, and Buena

Vista Nose. Staff memorandums have been prepared and submitted for State Board's review for the two Edison PALs.

4. **Senate Bill 4 Program (SB4)**

Staff has completed five SB4 well stimulation Application package reviews, and submitted written comments to the State Board. Two Application packages were for the South Belridge oil field, one was for the Elk Hills oil field, and two were for the North Coles Levee oil field. A total of seventeen Applications were reviewed. Five additional well stimulation Application packages are under review.

Staff is currently reviewing a groundwater monitoring exclusion proposal for the McKittrick oil field that will expand an exclusion area that was previously granted by the State Board. State Board staff have recently requested that the provide their final Axial Dimensional Stimulation Area approval memos and "risk assessment" findings to the Water Boards prior to State Board conveyance of Application comments. Regional and State Board and DOGGR staff participated in a conference associated with this on 5 May 2017.

5. **Food Safety**

A preliminary round of food crop sampling was conducted in March by the Board's Science Advisor, Dr. William Stringfellow. Staff of the Board, accompanied by Dr. Stringfellow, collected citrus samples from orchards in the Cawelo and Kern-Tulare Water Districts. Results of the analysis are currently being evaluated by staff of the Board.

Future studies on Food Safety will include an extensive literature review and chemical analysis. Staff continues to work with stake holders to obtain a Memorandum of Understanding (MOU). Once in place, the MOU will establish a process for obtaining a third party consultant, and provide funding for future studies related to Food Safety.

A public meeting of the Food Safety Expert Panel (Panel) was held in April in the Rancho Cordova Board Room. During the meeting, the Panel adopted a revised version of the Panel's Charter. The meeting also included a presentation from Dr. William Stringfellow. Dr. Stringfellow presented a draft sampling work plan, and received comments on the work plan from the Panel and members of the public. During the meeting, a third party facilitator from the Center for Collaborative Policy, Dave Ceppos, set a timeline for long-term goals for the Food Safety effort and set a tentative schedule for public meetings through the end of the calendar year. Meeting materials, presentations, and a recording of meeting can be found on the Board's Food Safety web page.

## 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](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://cvsalinity.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. Discussion 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](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](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](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 Tentative General Order for Confined Bovine Feeding Operations has been released for a 30-day public comment period prior to consideration by the Central Valley Water Board at this 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](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, 133 open, *inactive sites were reviewed. Of these, 95 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, 30 need additional staff time and effort on the responsible parties part to resolve, and includes 8 sites in which site information has not yet been located. Since the backlog reduction project began, 791 sites have been reviewed, with 534 being eliminated from the backlog, and about 256 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 had a deadline of 13 May 2017 for Regional Board LAMP approvals. However, prior to the Central Valley Water Board's consideration, we request Local Agencies to gain Board of Supervisors' approvals, and related new code adoptions. To date, local Boards of Supervisors have approved 23 LAMPs and adopted codes on 22. The Central Valley Water Board has approved 16 LAMPs. During the June 2017 Meeting, the Water Board will consider 5 additional LAMPs, to date about 67% of the jurisdictional total. About 53% of LAMPs met the Policy deadline. The remainder, from Kings, Lake, Shasta, Sierra, Tulare, Tuolumne, and Yuba Counties, awaits further local Board of Supervisors' actions. Lake and Sierra Counties' LAMPs are also incomplete. By 13 May 2018, Local Agencies without Regional Board approved LAMPs will regulate either under more conservative OWTS Policy defaults or local codes, whichever are more stringent. We regularly update LAMP review progress on the following webpage: [http://www.waterboards.ca.gov/centralvalley/water\\_issues/owts/lamp\\_reviews/index.shtml](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 April 2017 stakeholder meeting was held at the Modesto Farm Bureau, and the focused discussion was on management plans for *E.coli*, dissolved oxygen/pH, and legacy organochlorines. 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\\_advisory\\_workgroup/index.shtml](http://www.waterboards.ca.gov/centralvalley/water_issues/irrigated_land/regulatory_information/stakeholder_advisory_workgroup/index.shtml)

### **Notice of Applicability**

From 9 March 2017 to 1 May 2017, 44 Notices of Applicability were issued to growers in the Tulare Lake Basin Area, which confirmed the enrollment of 3,056 irrigated acres. Approximately 90% of the applications for coverage were voluntarily submitted by growers, and 10% were submitted in response to enforcement activities conducted by Water Board staff.

### **Waste Discharge Requirements (WDRs) Development**

#### **Tulare Lake Basin Area**

On 25 April, the Executive Officer approved a change in the Annual Monitoring Reporting (AMR) submittal date for seven coalitions representing members regulated under Monitoring and Reporting Program Order R5-2013-0120. The AMR submittal date was changed from 1 May to 31 August. The change in due date will allow the coalitions the time needed to more accurately process the Farm Evaluation Surveys and Nitrogen Management Plan Summary Reports.

### **State Water Board's Proposed Order Issued in Response to Petitions on Eastern San Joaquin Agricultural Waste Discharge Requirements**

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 Spring 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](http://www.swrcb.ca.gov/public_notices/petitions/water_quality/a2239_sanjoaquin_ag.shtml)

### **ILRP Compliance, Outreach & Enforcement**

#### **Renewed Outreach for Non-enrolled Operations**

From 9 March 2017 to 1 May 2017, staff mailed 275 outreach letters to likely owners of commercial irrigated farmland within the Tulare Lake Basin Area. The letters are intended to improve outreach efficiency by providing landowners an opportunity to contact the Water Board prior to staff conducting an inspection of the property.

Staff has also developed an outreach tri-fold that describes the Central Valley Water Board and its mission on one side and the ILRP on the other. Staff will work with the State Water Board's Office of Public Participation to translate the tri-fold into other languages. The tri-fold will be sent with future outreach letters and provided to the coalitions for distribution to interested parties. The tri-fold can be found on the Central Valley Water Board ILRP web page: [http://www.waterboards.ca.gov/centralvalley/water\\_issues/irrigated\\_land/outreach\\_trifold.pdf](http://www.waterboards.ca.gov/centralvalley/water_issues/irrigated_land/outreach_trifold.pdf)

### 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.

<b>Coalition Area</b>	<b>Parcel Inspections Mar 9 – May 3</b>
East San Joaquin	92
Sacramento Valley	76
San Joaquin County & Delta	10
<b>Total</b>	<b>178</b>

### 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.

<b>Coalition Area</b>	<b>Directives Mailed Mar 9 – May 3</b>
East San Joaquin	2
Sacramento Valley	82
San Joaquin County & Delta	110
<b>Total</b>	<b>194</b>

### 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.

<b>Coalition Area</b>	<b>NOVs Mailed Mar 9 – May 3</b>
Kings River	22
<b>Total</b>	<b>22</b>

### 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.

<b>Table 1 of 2. Coalition Enrollment Summary - Sacramento, Delta, and San Joaquin River Watersheds*</b>							
<b>Coalition Group</b>	<b>CA Rice* Comm.</b>	<b>East San Joaquin</b>	<b>Grasslands Drainage Area</b>	<b>Sacramento Valley</b>	<b>San Joaquin Co. &amp; Delta</b>	<b>Western San Joaquin</b>	<b>Totals</b>
<b>Participating Growers</b>							
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 (Jan 21 – May 2, 2017)***		26		22	29		77
<b>Enrolled Acreage</b>							
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 (Jan 21 – May 2, 2017)***		3,401		1,015	2,091		6,507

\* 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 2 May 2017.

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

<b>Table 2 of 2. Coalition Enrollment Information Summary for the Tulare Lake and Western Tulare Lake Basins</b>									
<b>Coalition Group</b>	<b>Buena Vista</b>	<b>Cawelo</b>	<b>Kaweah Basin</b>	<b>Kern River</b>	<b>Kings River</b>	<b>Tule Basin</b>	<b>Westside</b>	<b>Westlands</b>	<b>Total</b>
<b>Participating Growers</b>									
Number of Growers, Pre-Order	3,794 (Southern San Joaquin Water Quality Coalition)							1,070	4,864
Number of Growers, 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 (Mar 9 – May 1, 2017)***	0	0	4	0	16	2	0	0	22
<b>Enrolled Acreage</b>									
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 (Mar 9 – May 1, 2017)***	0	0	289	0	1,224	15	0	0	1,528

\* 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 1 May 2017

### **Cleanup & Abatement Orders**

On 9 March 2017 Board staff sent a draft Cleanup & Abatement Order (CAO) to John Allan Clover and Barrios Farms for a 30-day Discharger review and comment period. The CAO was prepared in response to a sediment discharge complaint in Yolo County. Staff's investigation of the complaint found that a parcel owned by Mr. Clover had been graded in preparation for orchard planting, and that the parcel was the source of an off-site sediment discharge. Issuance of a final CAO is pending.

On 10 March 2017 Board staff sent a draft Cleanup & Abatement Order (CAO) to Brad & Kristin Goehring for a 30-day Discharger review and comment period. The CAO was prepared in response to a sediment discharge complaint in San Joaquin County. Staff's investigation of the complaint found that a parcel owned by the Goehrings had a recently planted orchard, and that the parcel was the source of an off-site sediment discharge. Issuance of a final CAO is pending.

### **Sacramento River Watershed Coalition Groups**

#### **California Rice Commission**

On 21 September 2016, Regional Board staff provided informal comments to the California Rice Commission on the draft Quality Assurance Project Plan (QAPP) update submitted on 27 May 2016. The QAPP update includes additional information about the groundwater quality monitoring that will be conducted per the Groundwater Trend Monitoring Workplan and Data Gap Assessment Plan approved by the Executive Officer on 20 June 2016. Staff's comments must be addressed prior to approval of the QAPP.

#### **Sacramento Valley Water Quality Coalition**

On 7 March 2017, the Executive Officer approved the Sacramento Valley Water Quality Coalition's (SVWQC) surface water quality management plan (SQMP) for copper in Lower Honcut 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 22 March 2017, SVWQC submitted a Surface Water Quality Management Plan to address copper in Pine Creek in the Butte-Yuba-Sutter Subwatershed. The plan was revised to address Central Valley Water Board staff (staff) comments and recommendations and was resubmitted on 24 April 2017. The plan is under staff review.

On 5 April, the Executive Officer approved a deadline extension for the submittal of the 2016 Farm Evaluation and Nitrogen Summary Reports. The due date is extended from 1 May 2017 to 30 June 2017 due to extenuating circumstances associated with the impacts of the 2017 storm events (e.g., cancellation of NMP class, emergency actions required by members delayed submittal of grower reports).

On 12 April, the Executive Officer sent a letter requiring the Groundwater Quality Management Plan be revised by 30 June. A key element that needs to be addressed is the addition of more detailed information regarding the management practices to be implemented prior to the availability of Management Practices Evaluation Program results, and schedules for implementation of those practices. On 24 April, staff met with Coalition representatives to discuss the needed revisions.

On 26 April 2017, staff held a Quarterly Status Update Meeting with the Sacramento Valley Water Quality Coalition (SVWQC) to discuss the status of submitted management plan completion requests; pending management plan completion requests; progress of SVWQC's management plans; and an approach to address dissolved oxygen, pH, and *E. coli* management plans.

On 1 May 2017, SVWQC submitted their Annual Monitoring Report, Management Plan Progress Report, and Chlorpyrifos Diazinon Compliance Monitoring Report. The plans are under staff review.

On 2 May 2017, SVWQC submitted an updated Surface Water Quality Management Plan to address chlorpyrifos in Ulatis Creek in the Dixon/Solano Subwatershed. The plan was updated from a 2013 plan to address requirements under the new WDRs Order. The plan is under staff review.

## **San Joaquin River Watershed Coalition Groups**

### **East San Joaquin Water Quality Coalition**

On 9 March, the Coalition submitted its second revised Groundwater Quality Management Plan (GQMP). It is currently under staff review.

On 6 April, the Executive Officer approved a 60-day extension to the 1 May 2017 submittal date of the Nitrogen Management Plan (NMP) Summary Report. The extension will allow the Coalition adequate time to review the accuracy of the report data, follow-up with growers to correct inaccurate responses, collect missing data, and report an accurate analysis of the nitrogen use in the Coalition region.

On 12 April, the Executive Officer approved the Coalition's Quality Assurance Project Plan amendment request. The amendment gives clear guidance to field samplers to collect high quality and representative water and sediment samples.

On 14 April, the Executive Officer approved the completion of Coalition's management plans for 10 site/constituent pairs that met the conditions for completion; management plans will continue for 5 site/constituent pairs that do not meet the requirements for completion.

On 18 April, staff held the 29th Quarterly Meeting with the Coalition representatives to discuss the Management Practice Evaluation Program, Nitrogen Management Plan Outlier Tracking and Reporting, Quality Assurance Program Plan, Pesticide Evaluation Protocol, and status of other activities in progress. The Coalition provided an update on the management plan monitoring results and outreach in the subwatersheds.

On 1 May, staff received the East San Joaquin Water Quality Coalition 2017 Annual Report for the monitoring program from October 2015 through September 2016. The report is currently under staff review.

On 1 May, staff received the 2017 Annual Monitoring Report for the San Joaquin Chlorpyrifos and Diazinon TMDL Compliance Monitoring prepared jointly by the East San Joaquin Water Quality Coalition and the Westside San Joaquin River Watershed Coalition. The report is currently under staff review.

### **San Joaquin County and Delta Water Quality Coalition**

On 8 March, the Executive Officer approved Coalition completion of management plans requested in the November 2016 request for Management Plan Completion. Eight site/constituent pairs met the Order's requirements for management plan approval.

On 12 April, the Executive Officer approved a 13 February 2017 request to amend the Coalition's Quality Assurance Project Plan. The appendices I through X were replaced with a single appendix updating the field sampling procedure for low flow and no flow conditions. The amendment gives clear guidance to field samplers to collect high quality and representative water and sediment samples.

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.

### **Westside San Joaquin River Watershed Coalition**

On 14 April, the Coalition submitted its second draft 2017 Monitoring Plan Update for monitoring to be conducted March 2017 through February 2018. Water Board staff notified the Coalition that staff would recommend approval of this version to the Executive Officer. The final version was submitted on 25 April.

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). The third revised version is under review.

### **Grassland Drainage Area Coalition**

On 16 January 2017, the Comprehensive Groundwater Quality Management Plan for the Grassland Drainage Area was submitted to the Central Valley Water Board. The plan is currently under staff review.

### **Tulare Lake Basin Coalition Groups**

#### **Kern River Watershed Coalition Authority**

On 24 and 25 April 2017 a representative of the Kern River Watershed Coalition Authority accompanied regional board staff during the inspection of 4 growing operations in Kern County. The inspections 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 growers will be provided a summary report of the inspection, which will communicate any issues noted or corrective actions needed.

#### **Tule Basin Water Quality Coalition**

On 19 April 2017, Central Valley Water Board staff met with representatives of the Tule Basin Water Quality Coalition in order to discuss the coalition's Comprehensive Groundwater Quality Management Plan (CGQMP). The meeting was held in the Fresno Office; ILRP staff from the Rancho Cordova office joined the meeting via teleconference call. During the meeting, several CGQMP items were discussed and clarified through discussion. Upon the close of the meeting, representatives of the Tule Basin Water Quality Coalition stated that they felt the meeting was very helpful, and they appreciated the dialogue with ILRP staff.

### **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.

February coalition monitoring data loading was suspended. The Central Valley Regional Data Center and Moss Landing Marine Laboratory has completed the monitoring data transfer from an Access based data base to a SQL data base. Consequently, new loaders are under development. Because of technical difficulties with the loaders, loader training is postponed to March or April. Data loading will resume after new loaders are developed.

In March the Data Management Team and the Central Valley Regional Data Center began global checks on data that has not been transferred to CEDEN. Global checks identify missing and mis-labeled data. This process ensures the monitoring data is robust and comparable to all ILRP data sets. The data management team completed the water quality global checks. The data will be posted on CEDEN no later than 5 May 2017 for public access.

#### **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 which addresses the remaining staff comments. The QAPP is now under review by the State Water Board's Quality Assurance Officer.

#### **Norman's Nursery**

On 28 February, staff held a conference call with an attorney newly representing Norman's Nursery in Linden, San Joaquin County. The purpose of the meeting was to answer questions he had related to the Monitoring and Reporting Order (97-811) that the nursery is required to comply with. The meeting was productive and staff was able to provide needed information. Staff has scheduled a site visit with nursery representatives for 5 May 2017.

**Rice Pesticide Program**

On 29 December, the 2016 Annual Monitoring Report was submitted to the Central Valley Water Board. The Annual Report summarizes thiobencarb monitoring results for the 2016 rice growing season and subsequent actions taken in response to exceedances.

Recommendations for the 2017 monitoring season were submitted on 21 February 2017. The Annual Report and recommendations were approved by the Executive Officer on 22 March 2017.

**Draft Pesticide Evaluation Protocol**

On 29 November 2016, the Executive Officer issued the final *Pesticides Evaluation Protocol and List of Pesticides* for Third Party Groups enrolled under the Irrigated Lands Regulatory Program Waste Discharge Requirements General Orders. The *Pesticides Evaluation Protocol* describes the evaluation factors and protocol, as well as the list of pesticides that may require monitoring in areas where they are applied and have the potential to impair water quality. Pesticide monitoring proposals that utilize the protocol must be included the Third Party Groups' Monitoring Plan Updates that will be submitted for monitoring to be conducted during the 2017-2018 Water Year. Staff has developed an example implementation of the protocol and will schedule working meetings as needed to answer questions and assist the Third-Party Groups.

*Final Pesticide Evaluation Protocol:*

[http://www.waterboards.ca.gov/centralvalley/water\\_issues/irrigated\\_lands/regulatory\\_information/stakeholder\\_adv\\_isory\\_workgroup/index.shtml](http://www.waterboards.ca.gov/centralvalley/water_issues/irrigated_lands/regulatory_information/stakeholder_adv_isory_workgroup/index.shtml)

## 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 late summer 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. 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. Staff will conduct public outreach meetings in summer 2017 for the status update.

### 2. Cyanobacteria Bloom Notification and Response

Cyanobacteria and other harmful algae blooms (CHABs) 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.

The California Water Quality Monitoring Council is supporting a web-based portal on their *My Water Quality* site titled "*Are Harmful Algal Bloom Affecting Our Waters?*" The portal provides information on how to report a bloom, where blooms are occurring in the state, and a number of resources on how to identify a bloom, and how to protect yourself while recreating in waters with a bloom. In addition, for those interested in sampling, the portal provides information on how to develop a monitoring plan and identify labs for sample analysis, as well as training material from webinars and presentations. A link to the California Cyanobacteria and Harmful Algal Bloom (CCHAB) Network can also be found on the portal. The portal can be accessed at: <http://www.mywaterquality.ca.gov/habs/>

The table below summarizes the suspected and confirmed cyanobacteria blooms reported in the Central Valley in 2017.

Summary of Suspected and Confirmed Cyanobacteria Blooms in 2017				
Month	Report Name	Report Status	Cyanobacteria ( <i>Genera</i> ) Identified?	Site Previously Reported in 2016?
March	Oakwood Lake, Manteca	Closed	Aphanizomenon, Woronochinia, Dolichospermum, Pseudanabaena	No
March	Lake Clementine	Closed	No Cyanobacteria found	Yes

## 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](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/](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](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 were announced in April. For more information and to review solicitation guidelines, please visit: [http://www.waterboards.ca.gov/water\\_issues/programs/nps/solicitation\\_notice.shtml](http://www.waterboards.ca.gov/water_issues/programs/nps/solicitation_notice.shtml)

### **2017 Timber Regulation and Forest Restoration Fund**

Approximately \$2 million is available for the Timber Regulation and Forest Restoration Fund (Timber Fund) for projects that implement forest management measures on forest lands to improve water quality. Full proposals were submitted January 20, 2017. Six proposals were submitted statewide with four Central Valley projects. Successful proposals were announced in April. For more information and to review solicitation guidelines, please visit: [http://www.waterboards.ca.gov/water\\_issues/programs/nps/solicitation\\_notice.shtml](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 the Cosumnes River Preserve to test water flow strategies for removing methylmercury as it is an ideal matrix of replicate seasonal wetlands to evaluate potential management practices to reduce methylmercury concentrations. (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 BMPs. Chlorpyrifos and diazinon comprise the adopted 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 is 4/30/2018)

**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 is 4/30/2018)

**Grants to Be Executed by 30 June 2017:**

- Ponderosa Way Road Assessment and Sediment Reduction Plan Phase II (Resource Conservation District of Tehama County)
- Post-Fire Response to Forest Management: Mitigations for Improved Water Quality Performance (California Department of Forestry and Fire Protection Watershed Protection Program, Boggs State Forest, Lake County)
- Roadside Fuel Reduction (Yuba County Public Works)

## PUBLIC OUTREACH

On 13 March, Zaira Lopez-Narvaez attended the Madera Integrated Regional Water Management (IRWM) meeting. The meeting focused on discussing the Prop 1 DAC Involvement Funding for the Mountain Counties and the San Joaquin Valley. The Mountain Counties IRWM is continuing to move forward with the application process while the San Joaquin Valley IRWM has not had any progress since their last meeting a few months back. The next action step will be to create a Request for Proposals (RFP) to update the IRWM Plan to meet Prop 1 Standards to assure the ability to apply for future funding.

On 14 March, 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 showed the group the YouTube video for the confined animal facilities program and emailed the FERN Director links to the Water Board's website.

On 14 March, Terry Bechtel presented at a California Association of Pest Control Advisors (CAPCA) continuing education meeting held in San Ramon. Terry provided an overview of recent surface water monitoring results, contributing sources of exceedances, and management practice options to address common agriculture-related pollutants. The meeting was attended by approximately 80 pest control advisers, certified crop advisers, and certified pesticide applicators.

On 15 March, Zaira Lopez-Narvaez attended the Kaweah Integrated Regional Water Management (IRWM) meeting. The meeting focused on reviewing Task 4: Imported Surface Water Reliability and Vulnerability Impacts Analysis and as well as the Draft IRWM Plan Update. The group approved to submit Draft IRWM Plan Update as is without Task 4. The next action step will be to schedule a special meeting to approve Task 4 once the report is completed.

On 15 March, Bethany Soto participated at the Upper Kings Basin Integrated Regional Water Management Authority (KBWA) Advisory Committee Meeting. The meeting focused on staff report updates, modifying the IRWM Plan Project List in anticipation of new projects, updating the IRWM Plan to meet the requirements of AB 1249 and SB 985, status of activities addressing Disadvantaged Communities (DAC), and an update of Sustainable Groundwater Management Act (SGMA) activities. The Kings Sub-basin is on track with the formation of groundwater sustainability agencies (GSAs).

On 15 March, Guy Chetelat participated in the PG&E Pit River Technical Review Group (Pit 3,4,5 FERC license) meeting in Redding. The meeting covered water quality and other resource issues related to PG&E hydroelectric facilities on the lower Pit River between Lake Britton and Pit 5 Powerhouse. PG&E resource staff, agencies, and public stakeholders including tribal representatives participated in the meeting. Hydrology, sensitive species, water temperature, nutrients and cyanobacteria blooms were discussed in detail.

On 16 March, Alex MacDonald provided nation-wide training via the internet for the Integrated DNAPL Source Site Strategy Team of the Interstate Technical Regulatory Council (ITRC). Alex was one of four instructors for the 2.25-hour training on the ITRC document *Use and Integrated DNAPL Site Strategy* (2011). This was the twelfth training session on the document. The training is provided free of charge and approximately 225 people worldwide attended the training.

On 21 March, Susan Fregien attended an Integrated Pest Management Research Symposium held by the Department of Pesticide Regulation (DPR). The one-day symposium highlighted the results of grant projects funded through DPR that address new and innovated technologies for pest control and reduced pesticide use.

On 22-24 March, Marcus Ellison, Henry Jones and Zaira Lopez attended the Introduction to Geographic Information Systems (GIS) Course held at the University of California, Davis campus. The three day course covered basic GIS concepts, the ArcGIS interface and operation (ArcMap, ArcCatalog, and ArcToolbox), how to use GIS for statistical analysis (Excel, etc.), and how to create effective map layouts. GIS is integral to the effective implementation of the irrigated lands program, and allows staff to track and evaluate significant amounts of spatial data across the Tulare Lake Basin.

On 23 March, Bethany Soto participated at the Tulare Basin Watershed Connections Workgroup, which is a group of natural resource managers working together to advance watershed planning and resource management in the Tulare Basin. The meeting focused on the SGMA, the development of GSAs and the Tulare Basin's sub-basin boundaries being created, and the individual resource manager's projects and studies.

On 27 and 28 March, MacDonald attended the annual meeting of the ITRC focusing on work with the Fractured Rock team and development of a document dealing with the investigation and remediation of sites with fractured rock. The document is slated for public review starting this summer with completion of the web-based document by December 2017. The Fractured Rock team was ITRC Team of the Year in 2016.

On 29 March, Central Valley Water Board staff, along with Shasta County Environmental Health Division, the City of Redding, and State Water Resources Control Board Division of Financial Assistance held a public outreach meeting with residents of Wooded Acres Subdivision to discuss the community's aging wastewater system. The community wastewater system is an unpermitted system consisting of a force main and leach field. The system was installed almost 40 years ago and was designed for 13 full-time connections. The system currently has 31 connected parcels. At the meeting staff discussed modes of system failure, consequences of system failure, alternatives for moving forward, and project funding opportunities.

On 3 April, 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 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.

On 4 April, 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. Anthony emailed the KEEN Director the Oil Fields - Food Safety link regarding use of produced water from oil fields.

On 5 April, Christine Joab attended the EPA Region 9 Pre-meeting Harmful Algal Blooms (HABs) webinar. This webinar provided a basic introduction on harmful cyanobacteria and other harmful algae, a review of analytical methods and emerging technologies, a review of guidelines and regulatory authorities and the new One Health Harmful Algal Bloom System (OHHABS) reporting tool by the Center for Disease Control.

On 6-7 April, Christine Joab traveled to Pinto Lake in Watsonville to observe a demonstration of alum being applied to the lake. The City of Watsonville hired HABAquatics to treat the lake with alum to bind the phosphorus in the lake's sediment. This mitigation effort is designed to reduce the in-lake nutrient loading to reduce the frequency and severity of cyanobacteria blooms that occur each year with high toxin concentrations.

On 6 April, Monique Gaido represented the Regional Water Quality Control Board by giving a guest presentation to the 2017 Leadership Redding class. She provided an overview of the role of the State Water Resources Control Board and the Regional Water Quality Control Boards in protecting the beneficial uses and associated water quality goals for our region's surface and ground water resources. Leadership Redding's 2017 class consists of 30 current and future local community leaders representing education, law enforcement, health services and the local business community. Leadership Redding facilitators and other presenters brought the audience total to 40 individuals.

On 10 April, Zaira Lopez-Narvaez attended the Madera Integrated Regional Water Management (IRWM) meeting. The meeting focused on discussing Prop 1 Disadvantage Community Involvement Funding for the Mountain Counties and San Joaquin Valley Coordinating Committees, IRWM plan update, and grant updates. A Request for Proposal (RFP) to solicit a consultant to update the IRWM Plan has been drafted and approved by the board. The next action step will be to send out the RFP and review submittals by the June 2017 meeting.

On 13 April, Christine Joab attended the California Cyanobacteria and Harmful Algal Bloom (CCHAB) Network meeting. The CCHAB Network is composed of representatives from federal, state, and local agencies including tribal representatives and interested waterbody managers and academic research institutions. The CCHAB Network members discussed the development of resources and tools to address cyanoHABs, and opportunities

for public education and outreach with others (e.g., veterinarians and public health officers) on cyanoHAB concerns.

On 17 April, Janis Cooke and Christine Joab hosted a Delta Nutrient Stakeholder and Technical Advisory Group (STAG) meeting. The purpose of the STAG meeting was to present a white paper on nutrient forms and ratios on phytoplankton in the Delta.

On 19 April, Zaira Lopez-Narvaez attended the Tuolumne-Stanislaus Integrated Regional Water Management (T-Stan IRWM) Watershed Advisory Committee (WAC) meeting. The WAC has decided to update the T-Stan IRWM plan (Plan Update) in-house, meaning they have divided into different committees to update specific sections of the plan. The meeting focused on updating the group on the progress of each committee. The next action step is to get the first draft done by 1 May 2017 and send it to the group before the next meeting on 17 May 2017.

On 18-20 April, Susan Fregien participated in a Conservation Planning Workshop in Salinas, CA hosted by Natural Resources Conservation Service (NRCS) scientists. The workshop was provided for Irrigated Lands Regulatory Program staff as an introduction to the NRCS planning process, including natural resources assessments and meeting with growers. The workshop included 2 days of field site visits.

On 20 April, James Taylor participated in the former McClellan Air Force Base Restoration Advisory Board (RAB) meeting at the North Highlands Park and Recreation District Center in North Highlands, California. This is a public meeting where agencies inform the public of cleanup issues at Department of Defense facilities and enlist their comments. The main topics for the meeting were general updates on the Air Force and Privatized Cleanup Projects at McClellan. After the RAB Meeting, the U.S. Environmental Protection Agency conducted a public meeting to explain and accept public comment on the *Finding of Suitability for Early Transfer #2 Group 2 Action Sites Proposed Plan* (Proposed Plan). The Proposed Plan presents information on the preferred remedial alternatives being considered for 45 Installation Restoration Program Sites at the former McClellan Air Force Base.

On 22 April, Redding office staff Jeremy Pagan, Zack Chandler, George Low, Monique Gaido, Ron Falkowski, Kate Burger, Stacy Gotham, Rebecca Tabor, Bill Bergmann, Jason Schroeder, Ronna Bowers, and Doug Barber participated in the 2017 Whole Earth and Watershed Festival. The festival took place at Redding City Hall and included more than 150 exhibitors promoting healthy living, healthy communities, and healthy planet. Redding office staff operated a booth at the festival that included poster graphics highlighting program work areas, a hands-on sand box groundwater plume model, and display of various Water Board information packets, flyers and recruitment material.

On 24 April, Christine Joab attended a meeting of the American River Basin's Integrated Regional Water Management Planning Forum. A status update was provided on current planning and implementation grants and then the group discussed a proposed update to the Governance and Objectives and Strategies section of the Plan.

On 26 April, Zaira Lopez-Narvaez attended the Kaweah Integrated Regional Water Management (IRWM) meeting. The meeting focused on discussing Task 4: Imported Surface Water Reliability and Vulnerability Impacts Analysis. The group approved Task 4 and will be submitted to the Department of Water Resources.

On 27 April, Zaira Lopez-Narvaez attended the Yosemite-Mariposa Integrated Regional Water Management (IRWM) meeting. The meeting focused on member updates as well as discussing current and future projects. The next action step will be to look into funding opportunities through the State Water Grant Project.

On 25-27 April, Christine Joab attended the EPA Region 9 Harmful Algal Bloom (HAB) meeting, which was hosted at the Southern California Coastal Water Research Project's facility in Costa Mesa. The 2.5 day meeting focused on both marine and freshwater HABs, and included information on monitoring, mitigation, and source water protection. The meeting was specifically designed to provide useful information for waterbody managers, tribal representatives and local health departments

**PERSONNEL AND ADMINISTRATION  
STAFFING UPDATE**

**March 9, 2017 through May 5, 2017**

**Promotion:**

None

**Leave of Absence:**

**Jacqueline Gonzales**

**Retirement:**

None

**Authorized Positions: 251.7**

**Vacant Positions: 18**

<b>Separations</b>	<b>New Hires</b>
Rene Leclerc – Engineering Geologist Talmadge Robinson – Environmental Scientist Roy Sherrell – Environmental Scientist	Mark Bare – Engineering Geologist Jenna Yang – Environmental Scientist Nicholas White – WRCE Patrick DeCarvalho – WRCE

**Temporary Help Positions**

<b>Separations</b>	<b>New Hires</b>
John Vang – Scientific Aid Samuel Palmquist – Scientific Aid Katherine Barksdale – Seasonal Clerk Megan Ceccato – Seasonal Clerk Michael Ricks – Scientific Aid	Phoebe Zhong – Scientific Aid Manmeet Singh – Scientific Aid Edith Ramirez – Scientific Aid

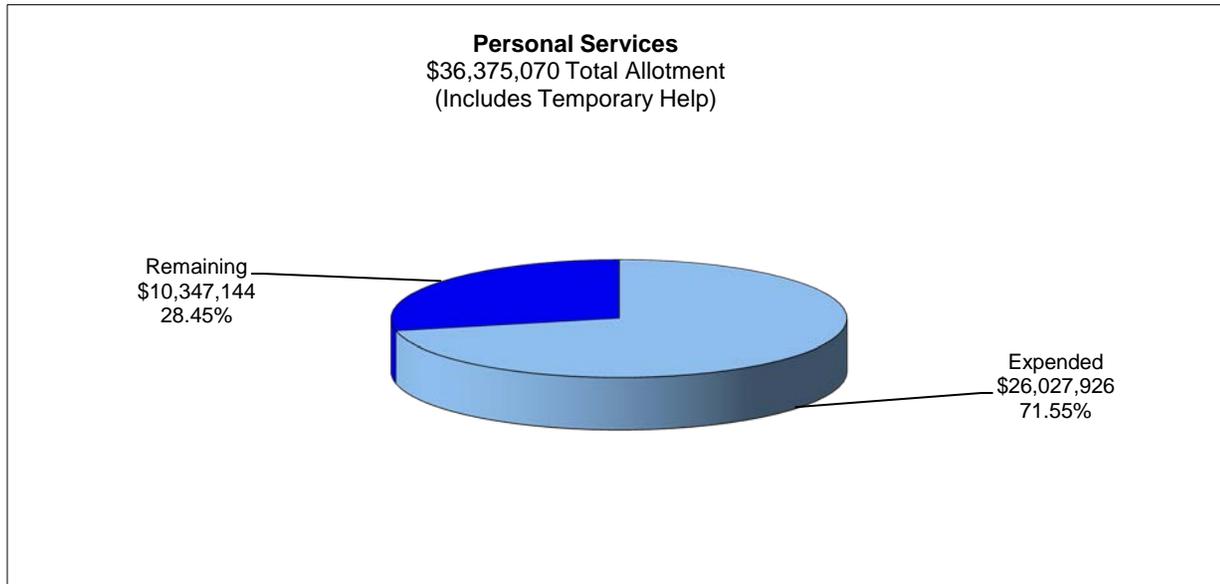
**TRAINING UPDATE**  
**March 9, 2017 through May 5, 2017**

<b>Class Title</b>	<b>Number of Attendees</b>
Leadership for Government Executives (Cohort 26)	Civil Surveying Review Workshop
	1
The Groundwater Pollution and Hydrology Course	3
8 hour Hazwoper Training	1
Security Awareness Training 2017	3
Highly Effective Professional Writing	13
Verbal Judo	13
Basic Supervision for State Supervisors - Part II	5
Basic Inspector Training	3
Pesticide Awareness Webinar	43
Fred Pryor Unlimited Training	1
Introduction to ArcGIS for the Water Boards	4
Rustic Rangeland Science Symposium	5
Defensive Drivers Training	7
Intro to CEQA for the Water Boards	1
Building a Motivated Workplace	3
Organizing and Prioritizing for Success	1
Best Management Practices Summit	2
Concept of Bioassessment and Swamp Field Procedures	1
Essential Analytical Skills	1
MTBE and TBA Workshop	5
Writing Skill-Online Courses	1
Mastering Grammar for Power Prose	4
Critical Thinking Tools	1
Chemical Engineering for Remediation & Environmental Sustainability	1
Managing Emotions Under Pressure 04/21/2017	1
Short Course for Identifying/Delineating CA Aquatic Resources	1
CECs and Aquatic Ecosystem Monitoring	4
Workshops on CECs and Aquatic Ecosystem Monitoring	1
AED/CPR American Heart Association Heartsaver AED Training	7
First Aid-Field Safety/Wilderness Injuries: Be Prepared 05/04/2017	5
Laser Induced Fluorescence Screening Tools 101	1

**FISCAL UPDATE**  
**Through March 30, 2017**  
(Approximately 75% should have been expended)

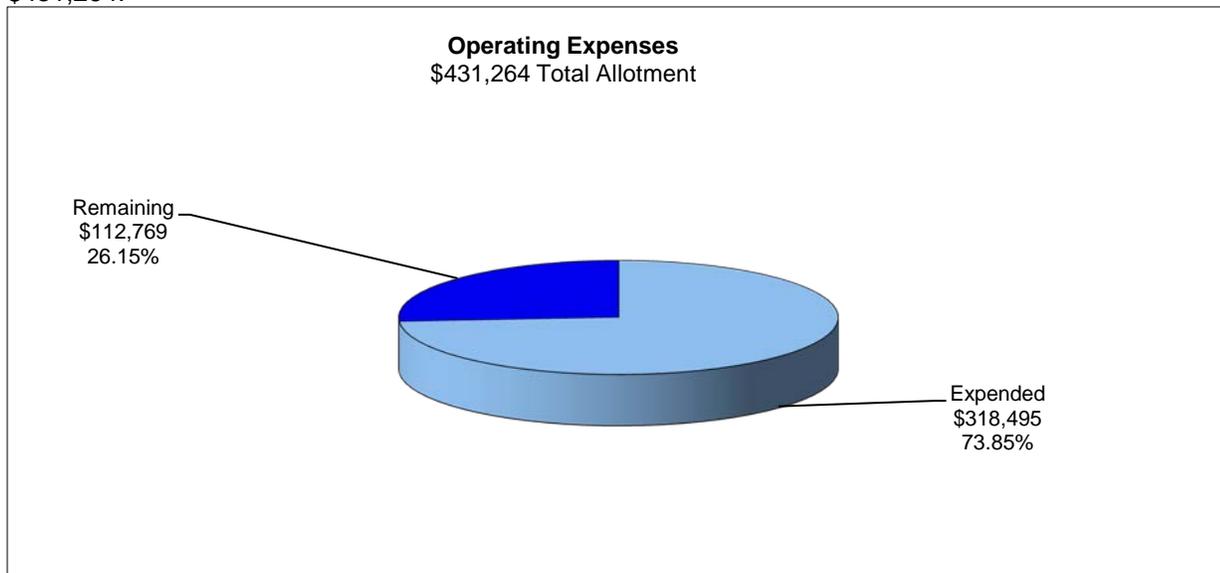
Personal Services:

The information below represents the budget for the 2016-17 Fiscal Year. Our Personal Services budget supports 251.7 PYs. The Regional Board has received 8 technical positions for this fiscal year in the following programs: 2 - Ambient Monitoring and Assessment; 2 – Medical Marijuana Implementation; 4 – Site Cleanup.



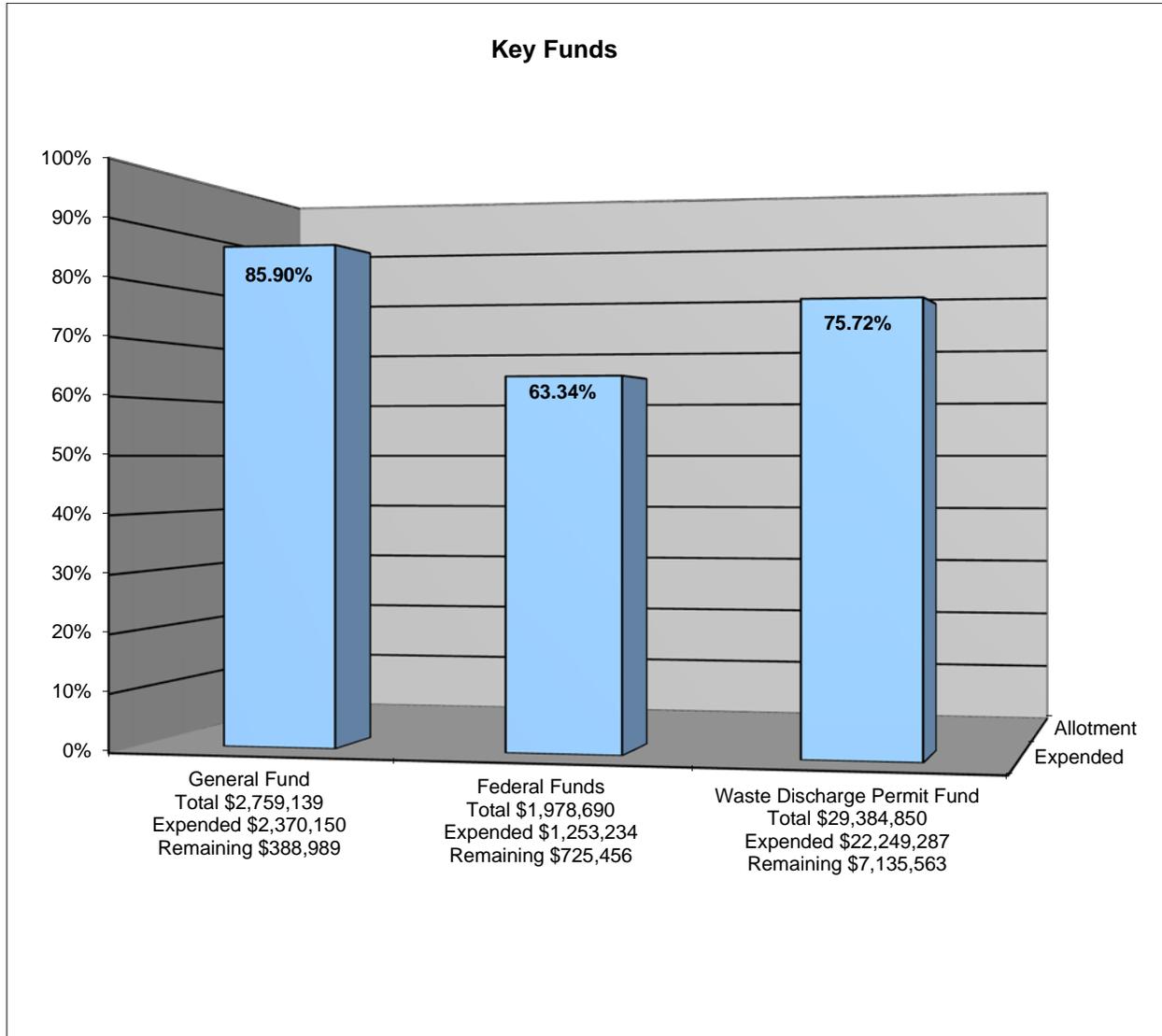
Operating Expenses:

The information below represents the budget for the 2016-17 Fiscal Year. Our Operating Expense budget is \$431,264.



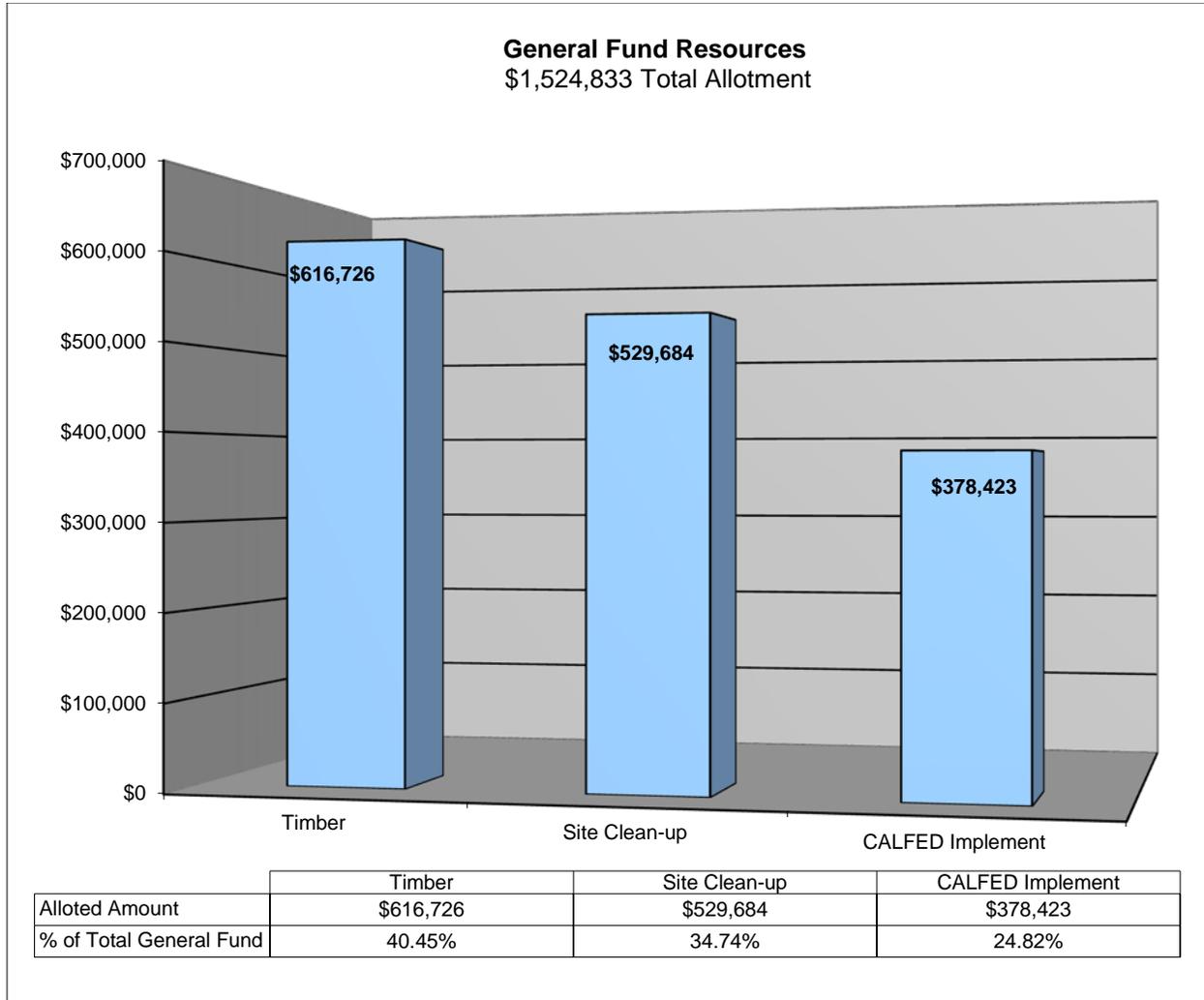
Key Funds

Key funds are provided through General, Federal (Lawrence Livermore, Leaking Underground Storage Tanks, Non-Point Source, and NPDES), and Waste Discharge Permit fund sources.



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.



**CONTRACTS**

<b>Contract #</b>	<b>Contractor Name</b>	<b>Description</b>	<b>Start Date</b>	<b>End Date</b>	<b>Amount</b>
<b>Administrative Support Services</b>					
15-072-150	California Reporting	Court Reporter Services	7/1/2015	6/30/2018	\$36,000
15-150-0758	California Reporting	Court Reporter (off-site)	10/1/2015	6/30/2017	\$4,800
16-150-193	Eaton Interpreting Services	Interpretative Services	7/1/2016	6/30/2017	\$1,200
<b>Operational Support Services</b>					
15-011-150	Moore Twining	Lab Analysis – Fresno	1/31/2016	1/31/2018	\$130,000
15-077-150	Basic Laboratory	Lab Analysis – Redding	1/31/2016	1/31/2018	\$110,000
16-018-150	Monterey Bay Analytical	Lab Analysis – Rancho Cordova	7/20/2016	6/30/2018	\$160,000
15-023-150	Air Shasta Rotor & Wing	Helicopter Services	10/7/2015	9/30/2017	\$40,000
16-015-150	Veiola Technical Solutions	Lab cleanup	12/2/2016	6/30/2017	\$4999
<b>Water Quality Study/Planning</b>					
14-025-150	Delta Conservancy	Delta Mercury Exposure Reduction Program	6/27/2014	6/30/2017	\$370,000
14-043-150, Am. 1	Department of Water Resources (DWR)	Water Quality Trends	11/1/2014	10/31/2017	\$627,922
14-044-150	University of California, Davis (UCD)	5 priority pesticide water contaminants	6/8/2015	3/31/2017	\$125,000
15-035-150, Am. 1	The Regents of UC Davis	Large Scale Analysis of Annual Report Data	8/14/2015	3/31/2018	\$150,000
15-084-150	USGS	Sampling Validation	4/1/2016	3/31/2018	\$19,968
15-047-150	San Jose State Foundation	Support for Statewide Mercury Control Program	1/6/2016	3/31/2018	\$200,000
16-048-150	UC Santa Cruz	Develop a method, process or model for temperature criteria ranges to Central Valley Streams	3/13/1017	03/31/2019	\$396,250
16-074-150	Lawrence Berkeley National Laboratory	Produce Sampling – Produced Water	2/27/17	06/30/18	\$250,000
17-150-002	Department of Water Resources	Operation and Maintenance of In-Stream Water Monitoring Stations	7/1/17	6/30/2020	\$180,000

## **FUTURE BOARD ACTIVITIES**

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

### **JUNE 2017 BOARD MEETING**

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

- McCloud WWTP (Revised WDRs)
- Digger Bay Marina (Revised WDRs)
- Palo Cedro Wastewater Treatment Facility (Revised WDRs)
- Monarch Nut (Revised WDRs)
- J.G. Boswell Tomato Processing (Revised WDRs)
- Grimmway Buttonwillow Potato Processing (Revised WDRs)
- Pleasant Valley State Prison WWTF (Revised WDRs)

#### **LOCAL AREA MANAGEMENT PROGRAM APPROVALS**

- Calaveras County Environmental Management Agency
- Colusa County Environmental Health Department
- El Dorado County Environmental Health Division
- Stanislaus County Environmental Resources
- Sutter County Environmental Health Services
- Yuba County Environmental Health Department/CUPA
- Kern County Environmental Health Department

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

- Loyalton Landfill, Sierra County (Revised WDRs)
- Deuel Vocational Institute, San Joaquin County (Revised WDRs)
- Calaveras Cement, Calaveras County (Revised WDRs)
- Spanish Mine, Nevada County (New Non-15 WDRs)
- Red Bluff Landfill, Tehama County (Revised WDRs)

#### **CONFINED ANIMAL FACILITIES PROGRAM**

- General Order for Confined Bovine Feeding Operations

#### **IRRIGATED LANDS REGULATORY PROGRAM**

- Sac/San Joaquin Non-enrollment ACLs

### **AUGUST 2017 BOARD MEETING**

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

- City of Newman (Revised WDRs)
- Olam Tomatoes, Williams Plant (New WDRs)
- City of Fresno WWTF (Revised WDRs)
- Riverdale WWTF (Revised WDRs)
- Sun Pacific Shippers (Revised WDRs)
- SPI Anderson (New WDRs)

#### **LOCAL AREA MANAGEMENT PROGRAM APPROVALS**

- Tuolumne County Environmental Health Division
- Tulare County Environmental Health Services Division
- Kings County Environmental Health Division

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

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

**CONFINED ANIMAL FACILITIES PROGRAM**

- Update on Pastured Poultry Operations (Information Item)

**NPDES PERMITS**

- Malakoff Diggins New Permit
- Publically Owned Treatment Works General Order

**OCTOBER 2017 BOARD MEETING**

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

- City of Modesto (Revised WDRs)
- Farmersville WWTF (Revised WDRs)
- Treehouse Almonds (Revised WDRs)
- City of Visalia WWTF (Revised WDR)

**NPDES PERMITS**

- City of Tracy WWTP Renewal

**DECEMBER 2017 BOARD MEETING**

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

- Corcoran WWTF (Revised WDRs)
- Stratford WWTF (Revised WDRs)

**NPDES PERMITS**

- Kiefer Landfill Renewal
- Mountain House WWTP Renewal
- Yuba City WWTP Renewal
- Delleker WWTP Renewal
- Mount Shasta WWTP Renewal

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

**NPDES PERMITS**

- El Dorado Hills WWTP Renewal
- Sierra Conservation Center WTP Renewal
- Dunsmuir WWTP Renewal
- 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
- Mariposa WWTF Permit Amendment and new Time Schedule Order
- City of Visalia WWTF Rescission
- Red Bluff WWTP Renewal

## **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)
- General Order for Dredging Activities not requiring a Federal Permit/General 401 Certification for Dredging Activities requiring a Federal permit
- 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)
- London CSD (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)
- Primex Pistachios (Revised WDRs)
- Spanish Mine, Nevada County (New 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**

- Recology Ostrom Road Landfill, Yuba County (Revised WDRs)
- Eastlake Landfill, Lake County (Revised WDRs)
- Union Mine Landfill, El Dorado County (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	<b>2017-05-05</b> 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 by May 2017 (Staff contact, Danny McClure)	Regional	R5
A-15	Central Valley Pyrethroids Basin Plan Amendment	<b>2017-05-05</b> A draft Basin Plan Amendment & Staff Report was released in January 2017. A comment hearing was held February 2017, and a hearing to consider adoption is scheduled for the 8/9 June 2017 Board Meeting.	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	<b>2017-05-05</b> Staff report released 23 January 2017. Comment period through 17 March 2017. Board hearing was held February 2017 with Board consideration in June 2017.	Regional	R5
A-15	Central Valley Diuron Basin Plan Amendment	<b>2017-05-05</b> 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 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.	Regional	R5
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.	<b>2017-05-05</b> A Regional Board workshop was held on 17 August 2016 and Board Hearing in April 2017. Consideration for adoption scheduled on 8/9 June 2017.	Regional	R5

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-16	General Order for Poultry Facilities	<b>2017-05-02</b> 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.	<b>2016-08-03</b> 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	General Order of WDR for Discharges Related to Timberland Management in the Central Valley	<b>2017-05-11</b> Four public meetings and multiple focus group meetings were held beginning in late 2015 through 2016 to discuss changes to the current Timber Waiver of WDRs, this resulted in the drafting of a General Order. Staff presented an informational item to the board in October 2016 and received additional feedback from the board and stakeholders. Staff released the tentative Order for public comment on 17 March 2017 and is preparing the final proposal for consideration at the June 2017 board meeting.	Regional	R5
A-16	Big Creeks Projects - Clean Water Act, Section 401, Water Quality Certification	<b>2016-10-25</b> 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	<b>2017-04-24</b> 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	<b>2017-04-24</b> The Federal Revised Total Coliform Rule became effective on April 1, 2016. Division of Drinking Water staff is 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	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-17	Bacteria Standards for Ocean and Inland Surface Waters	<b>2017-05-08</b> 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 bacteria water quality objectives are proposed to be adopted as amendments to the Statewide Inland Surface Waters, Enclosed Bays and Estuaries Plan, and the California Ocean Plan. Staff plans to release draft documents for public comment on June 19, 2017. Staff held a scoping meeting on the inclusion of a water quality variance policy on January 23, 2017. State Board Web site: <a href="http://www.waterboards.ca.gov/bacterialobjectives/">http://www.waterboards.ca.gov/bacterialobjectives/</a>	Statewide	SB
A-17	Phase II Small Municipal Separate Storm Sewer System (MS4) Permit Amendment	<b>2017-04-27</b> State Water Board staff developed a proposed amendment for the Small MS4 Statewide General Permit, Attachment G (titled Region-specific Total Maximum Daily Loads (TMDL) Implementation Requirements). The proposed amendment includes: (1) new and revised implementation requirements based on corresponding TMDL wasteload allocations, and (2) final compliance dates for the new and revised implementation requirements. In 2015, staff released an informal draft amendment to Regional Water Quality Control Board staff and permittees for administrative review, and conducted subsequent workshops throughout the state. Staff revised the draft permit Fact Sheet to provide history and basis for the TMDL Amendment.	Statewide	SB
A-17	Statewide Aggregate General Order	<b>2017-02-15</b> 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	<b>2016-07-13</b> 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

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-17	Nonpoint Source (NPS) Implementation and Enforcement Policy Amendments	<b>2017-04-27</b> 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 Quality Control Board regulation of nonpoint source wastewater discharges.	Statewide	SB
A-17	Unified Program Underground Storage Tank Surcharge Increase	<b>2017-04-05</b> 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 proposed an increase in the UST surcharge, which was noticed by Office of Administrative Law. Public comment closes April 23, 2017. CalEPA expects the revised surcharge to become effective July 2017.	Statewide	SB
A-17	Industrial General Storm Water Permit Amendment for TMDL Implementation	<b>2017-04-27</b> 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 Fall 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)	<b>2017-05-05</b> 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 had 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 was submitted to the scientific peer review coordinator in April 2017. Staff met with reservoir operators and other stakeholders in June 2016. Staff has developed a survey for reservoir operators to provide information on current reservoir management practices and will send the survey to the reservoirs this spring.	Statewide	R5

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-17	Trash Water Quality Control Plan Amendments Implementation	<b>2017-04-27</b> On January 12, 2016, U.S. EPA approved the State Water Board Trash Water Quality Control Plan Amendments. By June 2017, the State and Regional Water Boards will have issued Water Code section 13383 and 13267 Orders requiring municipal storm water permittees to report their selected method of compliance in accordance with the Trash Water Quality Control Plan Amendments. State Water Board staff developed a guidance document and a list of devices that meet the requirements for certification as “full capture systems” as defined in the Plan Amendments, based on the Los Angeles and San Francisco Bay Regional Water Boards approved treatment control devices. In September 2016, staff, in coordination with California Stormwater Quality Association (CASQA), requested information from local municipalities about their experiences with the full capture systems. An approved full capture system list is proposed to be available to the public at the following State Water Board Municipal Storm Water website by Summer 2017: ( <a href="http://www.waterboards.ca.gov/water_issues/programs/stormwater/">http://www.waterboards.ca.gov/water_issues/programs/stormwater/</a> ).	Statewide	SB
A-17	Petition Order for Central Valley Regional Board's Eastern San Joaquin Agricultural Order	<b>2017-02-28</b> On February 8th, 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
A-17	Mercury Water Quality Objectives & Implementation	<b>2017-05-03</b> In coordination with the Reservoir Mercury TMDL team, staff is preparing mercury provisions, which includes new beneficial use definitions and water quality objectives and a plan of implementation. Staff initiated scientific peer review on May 1, 2016, and the scientific reviewers' comments were received on September 28, 2016. Staff released the draft staff report and the draft regulatory language on January 3, 2017. The public comment period ended on February 17, 2017. Staff held public workshops to discuss the proposed mercury provisions on January 9, 2017 and February 1, 2017, and a Board hearing on February 7, 2017. The item was adopted by the board on May 2, 2017.	Statewide	SB
*A-17	Maximum Contaminant Level (MCL) for 1,2,3-Trichloropropane (1,2,3-TCP)	<b>2017-04-24</b> 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

Key	Item	Status	Statewide or Regional Project	Org. Lead
*A-17	State Water Board Water Quality Enforcement Policy Amendments	<b>2017-04-12</b> 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
A-17	Supplemental Environmental Projects (SEP)	<b>2017-04-18</b> 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	<b>2017-04-05</b> 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	Toxicity Amendments to the Inland Surface Waters, Enclosed Bays, and Estuaries Plan	<b>2017-04-27</b> The draft amendment was circulated to the various Regional Boards for review and comment in October 2016. Changes were made, based on their comments. Three outreach meetings were held in April 2017 with various stakeholders to introduce the current draft version of the proposed Provisions. The purpose of the meetings was to receive feedback from stakeholder and interested parties on the proposed Provisions and to answer questions. 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-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)	<b>2017-04-05</b> 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 anticipated May 19, 2017.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-17	2014 and 2016 California CWA Section 303(d) List Approval	<b>2017-05-03</b> Staff will combine the 2014 and 2016 California Integrated Reports and schedule the California CWA Section 303(d) List for approval at a State Water Board Meeting. This will allow the six participating Regional Water Boards (2, 3, 4, 5, 8, and 9) sufficient time to complete development of their reports and complete their Regional Water Board approval process. Regions 2, 3, 5, 8, and 9 have approved their Regional Water Board 303(d) Lists. Region 4 has a workshop on May 4th to discuss the comments received and the responses to those comments.	Statewide	SB
A-17	Natural Gas Company Discharges from Hydrostatic Testing Of Pipelines and Related Activities	<b>2017-04-27</b> State Water Board staff is working with stakeholders and Tribal Interests 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. The proposed Statewide General Order and the proposed CEQA documents will be issued for public review and comment in mid- 2017, with subsequent State Water Board consideration of adoption in late 2017 or early 2018.	Statewide	SB
*A-17	2014 and 2016 California Integrated Report Adoption	<b>2017-02-28</b> Staff will combine the 2014 and 2016 California Integrated Reports and schedule the California CWA Section 303(d) List for approval at a State Water Board Meeting. This will allow the six participating Regional Water Boards (2, 3, 4, 5, 8, and 9) sufficient time to complete development of their reports and complete their Regional Water Board approval process. Regions 3, 5, and 9 have approved their Regional Water Board 303(d) Lists. Regions 2, 4, and 8 have their Regional Board 303(d) Lists out for public comment.	Statewide	SB
*A-17	Sediment Quality Objectives (SQOs) for Enclosed Bays and Estuaries: Phase II*	<b>2017-05-03</b> 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 (HTWG), are collaborating on studies that will assist in the development, testing, and implementation of Phase II SQOs. Staff presented an information item to the State Board on October 7, 2015. The SQOs are under development. Staff anticipates that the case study and test drive will be completed by mid 2017, followed by release of draft documents in late 2017. A public hearing and board meeting are anticipated for December 2017 and Spring 2018 respectively.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-18	Permanent (Regular) Regulations for Point Of Use/Point of Entry Treatment Devices	<b>2017-04-24</b> 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 is in the process of drafting the permanent regulations.	Statewide	SB
A-18	Biostimulatory & Biological integrity Project	<b>2017-02-28</b> Staff held Focus Group meetings from February 2016 to June 2016. An outreach document is available for public review at the State Water Board's website on the nutrient objectives webpage. Staff plans to update the project Regulatory and Stakeholder Advisory Groups on the technical science and information received during the focused stakeholder outreach meetings. Southern California Coastal Water Research Project staff are researching and developing the biological condition gradient model that will be used in the assessment of the effects of nutrients on stream biological conditions. A Stakeholder Advisory Group meeting was held on 12/22/2016 to update everyone on the revised work and science plans. Staff is updating the project webpage. The next stakeholder advisory group meeting is scheduled for March 17, 2017. A CEQA scoping meeting is anticipated for late 2017.	Statewide	SB
A-18	Statewide General Waste Discharge Requirements Order for Wineries	<b>2017-02-24</b> 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	<b>2017-04-10</b> Scoping meetings held on 15, 16 and 22 March in Rancho Cordova, Fresno and Redding, respectively.	Regional	R5
A-18	Statewide Urban Pesticides Reduction	<b>2017-04-05</b> 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 is developing proposals for (1) an inter-agency coordination framework, (2) a regional monitoring framework, and (3) suggested permit language for MS4 permittees.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-18	Amendment to the Recycled Water Policy	<b>2017-04-05</b> 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
A-18	Environmental Laboratory Accreditation Regulations	<b>2017-04-24</b> 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 anticipates 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	Onsite Wastewater Treatment Systems (OWTS) Policy Implementation	<b>2017-02-28</b> 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, eight LAMPs have been approved by Regional Boards.	Statewide	SB
A	General Order for Bovine Feedlots	<b>2017-05-02</b> General Order to regulate bovine feedlots (other than dairies - e.g., heifer facilities, calf raising facilities, beef cattle facilities). Administrative Draft has been circulated. A tentative release has been issued for comments, which are due by close of business on 24 March 2017. The Order will be presented to the Board for adoption in June 2017.	Regional	5
A	SB 83, Section 45 - Produced Water Pond Report	<b>2017-02-02</b> 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: <a href="http://www.waterboards.ca.gov/water_issues/programs/groundwater/sb4/index.shtml">http://www.waterboards.ca.gov/water_issues/programs/groundwater/sb4/index.shtml</a> . 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	Natural Resources	<b>2017-01-31</b> Staff is developing recommendations for making designations where natural background exceeds the water quality objectives.	Statewide	SB
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	<b>2017-05-05</b> Salt and Nitrate Management Plan posted a <a href="http://www.cvsalinity.org">www.cvsalinity.org</a> 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	<b>2017-05-11</b> 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	Implement Lower San Joaquin River Salt/Boron TMDL	<b>2017-05-05</b> 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 report updates in January 2016 and January 2017. The RTMP stakeholders formed a steering committee in October 2015. The steering committee has applied for a DWR grant for west side San Joaquin Valley monitoring stations on tributaries to the Lower San Joaquin River. USBR FY16/17 Annual Workplan was accepted by EO in September 2016.	Regional	R5

Key	Item	Status	Statewide or Regional Project	Org. Lead
A	Blue Green Algae Action Levels	<b>2017-04-27</b> State Water Board staff is working with a multi-entity workgroup consisting of the Water Boards, California Department of Public Health, Office of Environmental Health Hazard Assessment, United States Environmental Protection Agency, California Fish and Wildlife, the Department of Water Resources, tribes, water managers, and other interested parties to collaboratively work toward solutions in protecting the public, pets, livestock, and wildlife from the effects of harmful algal blooms (HABs). The CCHAB Network charter (a workgroup of the Water Quality monitoring Council) was approved on September 29, 2016. The group has also completed updates to portions of the the Draft Voluntary Guidance Document for California HABs related to cyanotoxin action levels, monitoring, and posting public notices of warning or closure. A web portal to assist the public in tracking blooms and alert the public to the possible risks. Staff is developing additional resources, including more complete information on sampling and monitoring blooms, information sheets for veterinarians, physicians, and the public on symptoms and health effects, and possible mitigation measures. The CCHAB Network meets quarterly in January, April, July, and October. U.S. EPA recently released draft criteria for two cyanotoxins; microcystin and cylindrospermopsin.	Statewide	SB
A	New winery waste guidelines	<b>2017-05-05</b> 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.	<b>2017-05-04</b> 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 are scheduled for August 2016-February 2017. Final reports will be complete in May 2017. for more information please see: <a href="http://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/central_valley_pesticides/criteria_method/">http://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/central_valley_pesticides/criteria_method/</a>	Regional	R5
A	USFS MOU for BAER activities	<b>2016-05-20</b> 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

Key	Item	Status	Statewide or Regional Project	Org. Lead
A	Development of permit for Federal Non-Point Source activities on Forest Lands	<b>2017-05-11</b> 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 Region 6 and are currently working on a joint public participation plan.	Regional	R5
A	Delta Regional Monitoring Program- RMP	<b>2017-05-05</b> The Delta RMP work plan and budget for FY16/17 includes monitoring for toxicity/pesticides, pathogens, and mercury, and developing a monitoring plan for nutrients. In May the Steering Committee approved the FY 17/18 work plan and budget for mercury and nutrients and is reviewing options for pesticides and toxicity monitoring.	Statewide	SB
A	Groundwater Quality Protection Strategy	<b>2017-03-06</b> 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	<b>2016-11-01</b> U.S. EPA updated its 304(a) recommended criteria for acute and chronic freshwater and saltwater aquatic life beneficial uses. However, the freshwater criteria are less stringent than required by the Endangered Species Act biological reviews of the California Toxics Rule in 2000 and the 2002 U.S. EPA acute cadmium criterion for freshwater adopted by the State of Oregon. Because Oregon shares Evolutionarily Significant Units for listed (threatened or endangered) species with Northern California, staff is awaiting the outcome of a rulemaking by U.S. EPA specific to Oregon. The rulemaking is expected to be finalized in summer 2019. Staff is developing proposed policy options for statewide cadmium objectives given this complex set of national and regional U.S. EPA cadmium criteria.	Statewide	SB
A	Statewide Storm Water Construction General Permit Reissuance	<b>2017-04-27</b> 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: <a href="http://www.waterboards.ca.gov/water_issues/programs/stormwater/construction.shtml">http://www.waterboards.ca.gov/water_issues/programs/stormwater/construction.shtml</a> . A proposed public comment period for the draft permit has not yet been determined	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A	Suction Dredge Mining Activity	<b>2017-02-28</b> 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. The Department of Fish and Wildlife (DFW) must amend its regulations to allow DFW permits to be issued after a suction dredge miner obtains a permit or correspondence from the Water Boards permitting the proposed mining activity. State Water Board staff, conducted five public outreach workshops throughout the State in January and February 2017.	Statewide	SB
A	Implement Mercury TMDL/Control Program in Cache Creek Watershed - Sacramento River and San Joaquin River Basin Plan	<b>2017-05-05</b> Mining wastes at six inactivemercury (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	<b>2016-07-25</b> 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
P	Chlorine Amendment	<b>2017-02-28</b> 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	<b>2017-04-24</b> 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

Key	Item	Status	Statewide or Regional Project	Org. Lead
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	<b>2017-05-05</b> 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	<b>2017-05-05</b> 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

**ATTACHMENT A - Sanitary Sewer Overflow (SSO) Spills – Summary Report**  
 Count of Spills for February 2017 through March 2017

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													
February 2017	1	2	5	8	7	1	2	10	40	5	107	152	170
March 2017	2	0	7	9	2	1	2	5	8	2	121	131	145
<b>Total</b>	<b>3</b>	<b>2</b>	<b>12</b>	<b>17</b>	<b>9</b>	<b>2</b>	<b>4</b>	<b>15</b>	<b>48</b>	<b>7</b>	<b>228</b>	<b>283</b>	<b>315</b>

Spill Cause	Count of Spills	%
Root Intrusion	137	43.5%
Debris-General	68	21.6%
Grease Deposition (FOG)	18	5.7%
Other	18	5.7%
Pipe Structural Problem/Failure	16	5.1%
Debris-Rags	10	3.2%
Rainfall Exceeded Design, I and I (Separate CS Only)	8	2.5%
Flow Exceeded Capacity (Separate CS Only)	7	2.2%
Operator Error	5	1.6%
Vandalism	5	1.6%
Natural Disaster	4	1.3%
CS Maintenance Caused Spill/Damage	3	1.0%
Damage by Others Not Related to CS Construction/Maintenance	2	0.6%
Debris from Construction	2	0.6%
Debris from Lateral	2	0.6%
Inappropriate Discharge to CS	2	0.6%
Pipe Structural Problem/Failure - Installation	2	0.6%
Air Relief Valve/Blow-Off Valve Failure	1	0.3%
Non-Dispersables	1	0.3%
Pump Station Failure-Controls	1	0.3%
Pump Station Failure-Mechanical	1	0.3%
Pump Station Failure-Power	1	0.3%
Surcharged Pipe (Combined CS Only)	1	0.3%
<b>Grand Total</b>	<b>315</b>	<b>100%</b>

**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

## ATTACHMENT A - Sanitary Sewer Overflow (SSO) Spills - February 2017 through March 2017

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	Easterly CS	5SSO10938	832418	Certified	Category 1	601 E.Monte Vista	Solano	Yes	17	17	2/1/2017	Root Intrusion	
5F	Sequoia Fields/Bob Wiley CS	5SSO11252	833146	Certified	Category 3	Road 112	Tulare	No	300	-	2/1/2017	Debris-General	
SS	Sacramento Area Sewer District CS	5SSO10912	834029	Certified	Category 3		177932	Sacramento	No	53	-	2/1/2017	Debris-General
SS	Davis CS	5SSO10921	832446	Certified	Category 3	1210 Stanford place	Yolo	No	20	-	2/1/2017	CS Maintenance Caused Spill/Damage	
SS	Davis CS	5SSO10921	832449	Certified	Category 3	1712 Fremont court	Yolo	No	20	-	2/1/2017	Debris-General	
SS	West Sacramento CS	5SSO11082	832457	Certified	Category 3	1800 Deerwood Street	Yolo	No	10	-	2/1/2017	Root Intrusion	
SS	Sacramento Area Sewer District CS	5SSO10912	834030	Certified	Category 3		177935	Sacramento	No	3	-	2/1/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834031	Certified	Category 3		177972	Sacramento	No	1	-	2/1/2017	Root intrusion
5F	Yosemite Valley CS	5SSO10774	832462	Certified	Category 2	Yosemite Valley, Front of Aramark Garage, MH K1 to MH K2	Mariposa	No	1,200	-	2/2/2017	Debris-General	
SS	Southeast Regional Waste Disp Fac CS	5SSO11055	832459	Certified	Category 3	3181 Old Hwy 53, Clearlake, CA 95422	Lake	No	240	-	2/2/2017	Debris-General	
SS	Sacramento Area Sewer District CS	5SSO10912	834032	Certified	Category 3		177991	Sacramento	No	3	-	2/2/2017	Debris-General
SS	City Of Antioch CS	5SSO10890	832488	Certified	Category 3	3517 Leafwood Circle, Antioch, CA 94531	Contra Costa	No	1	-	2/2/2017	Pipe Structural Problem/Failure	
SS	Grass Valley City CS	5SSO10958	832481	Certified	Category 1	846 Forest Glade Circle	Nevada	Yes	130	90	2/3/2017	Other (specify below)	
SS	Dry Creek CS	5SSO10935	832603	Certified	Category 3	117 Vallejo Ave.	Placer	No	45	-	2/3/2017	Non-Dispersables	
SS	Sacramento Area Sewer District CS	5SSO10912	834039	Certified	Category 3		178177	Sacramento	No	10	-	2/3/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834033	Certified	Category 3		178061	Sacramento	No	3	-	2/3/2017	Debris-General
SS	Sutter Creek CS	5SSO11061	832861	Certified	Category 2	System Manhole #45.3 located at the rear of 551 State Highway 49	Amador	No	5,500	-	2/4/2017	Debris-Rags	
SS	Sacramento Area Sewer District CS	5SSO10912	834036	Certified	Category 3		178135	Sacramento	No	23	-	2/4/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	834034	Certified	Category 3		178133	Sacramento	No	10	-	2/4/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	834035	Certified	Category 3		178134	Sacramento	No	3	-	2/4/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	834038	Certified	Category 3		178140	Sacramento	No	100	-	2/5/2017	Debris-General
SS	Davis CS	5SSO10921	832504	Certified	Category 3	1712 Fremont court	Yolo	No	40	-	2/5/2017	Debris-General	
SS	Sacramento Area Sewer District CS	5SSO10912	834037	Certified	Category 3		178137	Sacramento	No	2	-	2/5/2017	Root intrusion
SS	Hangtown Creek CS	5SSO10965	832645	Certified	Category 1	670 Placerville Drive	El Dorado	Yes	602,900	602,900	2/6/2017	Other (specify below)	
SS	Sacramento Area Sewer District CS	5SSO10912	832755	Certified	Category 1		178208	Sacramento	Yes	14,950	14,898	2/6/2017	Other (specify below)
SS	Sacramento Area Sewer District CS	5SSO10912	832575	Certified	Category 1		178257	Sacramento	Yes	25	25	2/6/2017	Root Intrusion
SS	City Of Lakeport CS	5SSO10896	832494	Certified	Category 1	422 10th St.	Lake	Yes	4	4	2/6/2017	Debris-General	
SS	Sacramento Area Sewer District CS	5SSO10912	832625	Certified	Category 1		178173	Sacramento	Yes	4	2	2/6/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	834064	Certified	Category 3		178949	Sacramento	No	82	-	2/6/2017	Root intrusion
SS	City Of Antioch CS	5SSO10890	832551	Certified	Category 3	2013 C St., Antioch, CA 94509	Contra Costa	No	5	-	2/6/2017	Pipe Structural Problem/Failure	
SS	Hangtown Creek CS	5SSO10965	832587	Certified	Category 1	577 Main St	El Dorado	Yes	46,800	46,800	2/7/2017	Other (specify below)	
SS	Sacramento Area Sewer District CS	5SSO10912	832849	Certified	Category 1		178211	Sacramento	Yes	7,128	7,127	2/7/2017	Other (specify below)
SS	SMD No. 1 CS	5SSO11028	832642	Certified	Category 1	4240 Meadow Glen Road	Placer	Yes	5,427	5,427	2/7/2017	Rainfall Exceeded Design, I and I (Separate CS Only)	
SS	Sutter Creek CS	5SSO11061	832556	Certified	Category 1	Manhole #230 In Backyard of 230 Judy Drive	Amador	Yes	1,500	1,200	2/7/2017	Root Intrusion	
SS	Easterly CS	5SSO10938	832661	Certified	Category 1	125 Pine Street	Solano	Yes	1,066	975	2/7/2017	Rainfall Exceeded Design, I and I (Separate CS Only)	
5R	East Quincy Services District CS	5SSO10813	832593	Certified	Category 1	766 Quincy Junction Road, Quincy, CA	Plumas	Yes	170	170	2/7/2017	Natural Disaster	
SS	Grass Valley City CS	5SSO10958	832535	Certified	Category 1	450 Mill St	Nevada	Yes	20	20	2/7/2017	Rainfall Exceeded Design, I and I (Separate CS Only)	
SS	Ironhouse Sanitary District CS	5SSO10970	832576	Certified	Category 3	Gateway RD	Contra Costa	No	60	-	2/7/2017	Inappropriate Discharge to CS	
5F	Ford City-Taft Heights CS	5SSO10730	832573	Certified	Category 3	Ash street west of Lincoln	Kern	No	50	-	2/7/2017	Debris-Rags	
SS	Davis CS	5SSO10921	832628	Certified	Category 3	421 Dstreet	Yolo	No	20	-	2/7/2017	CS Maintenance Caused Spill/Damage	
SS	Sacramento Area Sewer District CS	5SSO10912	834040	Certified	Category 3		178236	Sacramento	No	2	-	2/7/2017	Root intrusion
SS	City Of Auburn CS	5SSO10722	832713	Certified	Category 1	Hwy 49 & Elm / Fulwieler	Placer	Yes	4,200	4,200	2/8/2017	Pipe Structural Problem/Failure	
SS	Sacramento Area Sewer District CS	5SSO10912	832865	Certified	Category 1		178546	Sacramento	Yes	375	340	2/8/2017	Root Intrusion
SS	Manteca CS	5SSO10993	832712	Certified	Category 1	1164 Marguerite	San Joaquin	Yes	418,000	418,000	2/9/2017	Pipe Structural Problem/Failure	
5R	East Quincy Services District CS	5SSO10813	832671	Certified	Category 1	766 Quincy Junction Road, Quincy, CA	Plumas	Yes	44,080	44,080	2/9/2017	Natural Disaster	
SS	Sacramento Area Sewer District CS	5SSO10912	832899	Certified	Category 1		178460	Sacramento	Yes	6,710	6,710	2/9/2017	Other (specify below)
5R	Mt Shasta CS	5SSO10835	832688	Certified	Category 1	Alma Street MH 425	Siskiyou	Yes	4,500	4,500	2/9/2017	Rainfall Exceeded Design, I and I (Separate CS Only)	
SS	Sacramento Area Sewer District CS	5SSO10912	832757	Certified	Category 1		178471	Sacramento	Yes	761	760	2/9/2017	Other (specify below)
5R	Plumas Eureka Estates CS	5SSO10842	832842	Certified	Category 1	Manholes 1, 2, 3, 5, and 18 on West Ponderosa Drive, Blairsden, CA 96103	Plumas	Yes	600	600	2/9/2017	Natural Disaster	
SS	Grass Valley City CS	5SSO10958	832665	Certified	Category 1	450 Mill St	Nevada	Yes	150	150	2/9/2017	Flow Exceeded Capacity (Separate CS Only)	
SS	Sacramento Area Sewer District CS	5SSO10912	832819	Certified	Category 1		178393	Sacramento	Yes	4	2	2/9/2017	Debris-General
5R	Chester CS	5SSO10797	832657	Certified	Category 2	East end Lassen ave	Plumas	No	3,000	-	2/9/2017	Rainfall Exceeded Design, I and I (Separate CS Only)	
SS	Hangtown Creek CS	5SSO10965	832821	Certified	Category 3	1108 Locust St	El Dorado	No	225	-	2/9/2017	Debris-General	
SS	Sacramento Area Sewer District CS	5SSO10912	834041	Certified	Category 3		178388	Sacramento	No	2	-	2/9/2017	Root intrusion
SS	Mountain Lakes Estates CS	5SSO11497	832745	Certified	Category 1	1242332 Discovery Way Nevada City CA 95959	Nevada	Yes	90	20	2/10/2017	Pipe Structural Problem/Failure	
SS	Deer Creek CS	5SSO10923	832730	Certified	Category 1	DC-2017-02-05	El Dorado	Yes	16	16	2/10/2017	Pipe Structural Problem/Failure	
SS	City of Stockton MUD CS	5SSO11433	832741	Certified	Category 3	3460 Bellevue Ave.	San Joaquin	No	26	-	2/10/2017	Debris-General	
SS	Sacramento Area Sewer District CS	5SSO10912	834042	Certified	Category 3		178490	Sacramento	No	2	-	2/10/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	834050	Certified	Category 3		178575	Sacramento	No	10	-	2/11/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834043	Certified	Category 3		178547	Sacramento	No	9	-	2/11/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834049	Certified	Category 3		178572	Sacramento	No	756	-	2/12/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	834045	Certified	Category 3		178562	Sacramento	No	41	-	2/12/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834044	Certified	Category 3		178561	Sacramento	No	7	-	2/12/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834047	Certified	Category 3		178569	Sacramento	No	7	-	2/12/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834048	Certified	Category 3		178571	Sacramento	No	4	-	2/12/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	834052	Certified	Category 3		178596	Sacramento	No	3	-	2/12/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834046	Certified	Category 3		178568	Sacramento	No	2	-	2/12/2017	Root intrusion
5F	Tuolumne Utilities District CS	5SSO10771	832736	Certified	Category 1	mh in front 71 S Shepherd st	Tuolumne	Yes	5	2	2/13/2017	Debris-General	
5S	Sacramento Area Sewer District CS	5SSO10912	834057	Certified	Category 3		178880	Sacramento	No	68	-	2/13/2017	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	832742	Certified	Category 3	9523 Chapel Hill Ct.	San Joaquin	No	21	-	2/13/2017	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	834053	Certified	Category 3		Sacramento	No	11	-	2/13/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834054	Certified	Category 3		Sacramento	No	11	-	2/13/2017	Root intrusion
SS	Easterly CS	5SSO10938	832740	Certified	Category 3	457 Elder St	Solano	No	10	-	2/13/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	834051	Certified	Category 3		Sacramento	No	3	-	2/13/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	833126	Certified	Category 2		Sacramento	No	2,400	-	2/14/2017	Debris-General
SR	Beckwourth CS	5SSO10786	833152	Certified	Category 3	Beckwourth CSA ponds	Plumas	No	900	-	2/14/2017	Other (specify below)
SS	Sacramento Area Sewer District CS	5SSO10912	834055	Certified	Category 3		Sacramento	No	168	-	2/14/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	834058	Certified	Category 3		Sacramento	No	18	-	2/14/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	834056	Certified	Category 3		Sacramento	No	3	-	2/14/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834059	Certified	Category 3		Sacramento	No	2	-	2/14/2017	Root intrusion
SS	Lincoln CS	5SSO10987	832896	Certified	Category 2	SMD #1 Pump Station	Placer	No	5,600	-	2/15/2017	Air Relief Valve (ARV)/Blow-Off Valve (BOV) Failure
BF	Atwater CS	5SSO10716	832826	Certified	Category 3	Baker Ct	Merced	No	300	-	2/15/2017	Debris-Rags
SS	Southeast Regional Waste Disp Fac CS	5SSO11055	832818	Certified	Category 3	14937 Lotawana Ave, Clearlake, CA 95422	Lake	No	210	-	2/15/2017	Debris from Lateral
SS	Sacramento Area Sewer District CS	5SSO10912	834062	Certified	Category 3		Sacramento	No	37	-	2/15/2017	Root intrusion
SS	City of Sacramento Combined CS	5SSO10901-C	833401	Certified	Category 3	3945 COLONIAL WAY, SACRAMENTO, CA	Sacramento	No	34	-	2/15/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834065	Certified	Category 3		Sacramento	No	20	-	2/15/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834060	Certified	Category 3		Sacramento	No	6	-	2/15/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834067	Certified	Category 3		Sacramento	No	6	-	2/15/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834068	Certified	Category 3		Sacramento	No	6	-	2/15/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834063	Certified	Category 3		Sacramento	No	5	-	2/15/2017	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	5SSO10912	834066	Certified	Category 3		Sacramento	No	5	-	2/15/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834061	Certified	Category 3		Sacramento	No	4	-	2/15/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834069	Certified	Category 3		Sacramento	No	1	-	2/15/2017	Grease deposition (FOG)
SS	City of Woodland CS	5SSO10903	833870	Certified	Category 3	2 Rancho Place	Yolo	No	4	-	2/16/2017	Debris-General
SS	City of Stockton MUD CS	5SSO11433	832989	Certified	Category 3	126 E. Cleveland St.	San Joaquin	No	3	-	2/16/2017	Root Intrusion
SS	City Of Jackson CS	5SSO10895	833010	Certified	Category 3	10385 Amador St	Amador	No	30	-	2/17/2017	Debris-Rags
SS	Sacramento Area Sewer District CS	5SSO10912	834070	Certified	Category 3		Sacramento	No	25	-	2/17/2017	Root intrusion
SR	Chico CS	5SSO10859	833157	Certified	Category 1	California Park / Upper Lake	Butte	Yes	14,020	14,000	2/18/2017	Root Intrusion
SS	Southeast Regional Waste Disp Fac CS	5SSO11055	832905	Certified	Category 1	13433 Lakeshore Dr., Clearlake, CA (MH 88N-7)	Lake	Yes	4,200	1,200	2/18/2017	Flow Exceeded Capacity (Separate CS Only)
SS	Maxwell PUD CS	5SSO10995	833396	Certified	Category 1	All of North and East end of Town	Colusa	Yes	4	2	2/18/2017	Other (specify below)
SS	County Service Area 44 Zone G CS	5SSO11483	834202	Certified	Category 3	27632 Lee Anne	San Joaquin	No	25	-	2/18/2017	Pump Station Failure-Power
SS	Sacramento Area Sewer District CS	5SSO10912	834071	Certified	Category 3		Sacramento	No	10	-	2/18/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	832962	Certified	Category 1		Sacramento	Yes	15	12	2/19/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834073	Certified	Category 3		Sacramento	No	5	-	2/19/2017	Vandalism
SS	Sacramento Area Sewer District CS	5SSO10912	834074	Certified	Category 3		Sacramento	No	4	-	2/19/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834072	Certified	Category 3		Sacramento	No	3	-	2/19/2017	Grease deposition (FOG)
SS	Hangtown Creek CS	5SSO10965	833129	Certified	Category 1	640 Placerville Drive	El Dorado	Yes	582,000	582,000	2/20/2017	Other (specify below)
SS	South Placer Mud CS	5SSO11054	833462	Certified	Category 1	Lower Loomis Trunk Capacity Spill	Placer	Yes	36,997	36,997	2/20/2017	Flow Exceeded Capacity (Separate CS Only)
SS	Sacramento Area Sewer District CS	5SSO10912	833174	Certified	Category 1		Sacramento	Yes	17,885	17,885	2/20/2017	Other (specify below)
SR	East Quincy Services District CS	5SSO10813	832948	Certified	Category 1	766 Quincy Junction Road, Quincy, CA	Plumas	Yes	6,420	6,420	2/20/2017	Natural Disaster
SS	Sacramento Area Sewer District CS	5SSO10912	833151	Certified	Category 1		Sacramento	Yes	6,180	6,175	2/20/2017	Other (specify below)
SS	Lake Berryessa Resort CS	5SSO10981	832987	Certified	Category 1	LBIRD Spray Fields	Napa	Yes	4,514,708	4,514	2/20/2017	Other (specify below)
SS	Easterly CS	5SSO10938	832907	Certified	Category 1	749 Northampton Dr	Solano	Yes	4,300	4,300	2/20/2017	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	833001	Certified	Category 1		Sacramento	Yes	3,863	3,862	2/20/2017	Rainfall Exceeded Design, 1 and I (Separate CS Only)
SS	Sacramento Area Sewer District CS	5SSO10912	833006	Certified	Category 1		Sacramento	Yes	4,506	3,600	2/20/2017	Rainfall Exceeded Design, 1 and I (Separate CS Only)
SS	Sacramento Area Sewer District CS	5SSO10912	833655	Certified	Category 1		Sacramento	Yes	1,300	1,298	2/20/2017	Flow Exceeded Capacity (Separate CS Only)
SS	El Dorado Hills CS	5SSO10941	833133	Certified	Category 1	New York Creek Court	El Dorado	Yes	1,000	1,000	2/20/2017	Rainfall Exceeded Design, 1 and I (Separate CS Only)
SS	Sacramento Area Sewer District CS	5SSO10912	833038	Certified	Category 1		Sacramento	Yes	571	571	2/20/2017	Other (specify below)
SS	City of Sacramento Combined CS	5SSO10901-C	833145	Certified	Category 2	570 34th STREET, SACRAMENTO, CA	Sacramento	No	222,408	-	2/20/2017	Surcharged Pipe (Combined CS Only)
SS	El Dorado Hills CS	5SSO10941	833629	Certified	Category 3	EDH-2017-02-02	El Dorado	No	60	-	2/20/2017	Flow Exceeded Capacity (Separate CS Only)
SS	Sacramento Area Sewer District CS	5SSO10912	834075	Certified	Category 3		Sacramento	No	2	-	2/20/2017	Debris-General
SS	Nw Regional Waste Disp Fac CS	5SSO11015	833128	Certified	Category 1	4070, 4020 & 4420 Lakeshore Blvd	Lake	Yes	378,000	368,000	2/21/2017	Flow Exceeded Capacity (Separate CS Only)
SS	Ironhouse Sanitary District CS	5SSO10970	833200	Certified	Category 1	2010 Taylor Road	Contra Costa	Yes	955	955	2/21/2017	Inappropriate Discharge to CS
SS	Tracy CS	5SSO11066	832998	Certified	Category 3	Trinity and Berryessa	San Joaquin	No	900	-	2/21/2017	Grease Deposition (FOG)
SR	Alpine Meadows/Whispering Wood CS	5SSO10782	832968	Certified	Category 3	shingletown	Shasta	No	500	-	2/21/2017	Flow Exceeded Capacity (Separate CS Only)
SS	City Of Folsom CS	5SSO10893	833801	Certified	Category 3	50 Natoma St	Sacramento	No	89	-	2/21/2017	Root Intrusion
SS	Soda Springs CS	5SSO11509	833141	Certified	Category 3	8163 Serene Road Soda Springs CA	Placer	No	50	-	2/21/2017	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	5SSO10912	834077	Certified	Category 3		Sacramento	No	5	-	2/21/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834076	Certified	Category 3		Sacramento	No	3	-	2/21/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834078	Certified	Category 3		Sacramento	No	3	-	2/21/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834079	Certified	Category 3		Sacramento	No	59	-	2/22/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	834081	Certified	Category 3		Sacramento	No	4	-	2/22/2017	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	834080	Certified	Category 3		Sacramento	No	1	-	2/22/2017	Root intrusion
BF	Clovis City CS	5SSO11214	833142	Certified	Category 3	Peach and Ashlan	Fresno	No	750	-	2/23/2017	Operator Error
SS	Applegate, Zone 24 CS	5SSO10866	833519	Certified	Category 3	375 Merry Ln, Applegate	Placer	No	250	-	2/23/2017	Pipe Structural Problem/Failure
SS	City Of Antioch CS	5SSO10890	833203	Certified	Category 3	625 Putnam St	Contra Costa	No	210	-	2/23/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834084	Certified	Category 3		Sacramento	No	138	-	2/23/2017	Root intrusion
SS	West Sacramento CS	5SSO11082	833415	Certified	Category 3	405 10th Street	Yolo	No	20	-	2/23/2017	Root intrusion
SS	Davis CS	5SSO10921	833358	Certified	Category 3	1924 Calaveras Avenue	Yolo	No	15	-	2/23/2017	CS Maintenance Caused Spill/Damage

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	834082	Certified	Category 3		Sacramento	No	3	-	2/23/2017	Root intrusion
SF	Clovis City CS	5SSO11214	833210	Certified	Category 2	Chennault Ave.	Fresno	No	7,920	-	2/24/2017	Debris from Construction
SS	Kelseyville Co Water Works Dis & AD9-2 CS	5SSO10974	833184	Certified	Category 2	4600 Konocit Road. (MH 34X-5)	Lake	No	4,040	-	2/24/2017	Debris-Rags
SS	Sacramento Area Sewer District CS	5SSO10912	834085	Certified	Category 3		Sacramento	No	301	-	2/24/2017	Vandalism
SS	Sacramento Area Sewer District CS	5SSO10912	834086	Certified	Category 3		Sacramento	No	9	-	2/24/2017	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	5SSO10912	834083	Certified	Category 3		Sacramento	No	4	-	2/24/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834087	Certified	Category 3		Sacramento	No	4	-	2/24/2017	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	834088	Certified	Category 3		Sacramento	No	3	-	2/24/2017	Root intrusion
SF	City of Fresno CS	5SSO11202	833679	Certified	Category 3	2732 E. Holland Ave.	Fresno	No	79	-	2/25/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834094	Certified	Category 3		Sacramento	No	17	-	2/25/2017	Vandalism
SS	Sacramento Area Sewer District CS	5SSO10912	834091	Certified	Category 3		Sacramento	No	8	-	2/25/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834093	Certified	Category 3		Sacramento	No	5	-	2/25/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834090	Certified	Category 3		Sacramento	No	3	-	2/25/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834089	Certified	Category 3		Sacramento	No	2	-	2/25/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834092	Certified	Category 3		Sacramento	No	1	-	2/25/2017	Root intrusion
SS	Sutter Creek CS	5SSO11061	833471	Certified	Category 1	System Manhole #193 In Backyard of 285 Gold Strike Court	Amador	Yes	46,000	45,000	2/26/2017	Debris-Rags
SS	Sacramento Area Sewer District CS	5SSO10912	834096	Certified	Category 3		Sacramento	No	5	-	2/26/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	834097	Certified	Category 3		Sacramento	No	5	-	2/26/2017	Root intrusion
SS	City of Woodland CS	5SSO10903	833874	Certified	Category 3	616 Denise Drive	Yolo	No	4	-	2/26/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834095	Certified	Category 3		Sacramento	No	3	-	2/26/2017	Root intrusion
SR	Mt Shasta CS	5SSO10835	833435	Certified	Category 1	310 Old McCloud Ave	Siskiyou	Yes	540	480	2/27/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	834101	Certified	Category 3		Sacramento	No	172	-	2/27/2017	Debris-General
SS	City Of Jackson CS	5SSO10895	833218	Certified	Category 3	100 E. Sierra View Dr.	Amador	No	60	-	2/27/2017	Pipe Structural Problem/Failure
SS	San Andreas CS	5SSO11048	833585	Certified	Category 3	Manhole B-635	Calaveras	No	20	-	2/27/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834099	Certified	Category 3		Sacramento	No	10	-	2/27/2017	Root intrusion
SS	City of Stockton MUD CS	5SSO11433	833239	Certified	Category 3	2706 Pixie Dr.	San Joaquin	No	9	-	2/27/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834098	Certified	Category 3		Sacramento	No	7	-	2/27/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834100	Certified	Category 3		Sacramento	No	7	-	2/27/2017	Root intrusion
SS	Grass Valley City CS	5SSO10958	833237	Certified	Category 1	1221 E Main St	Nevada	Yes	150	50	2/28/2017	Damage by Others Not Related to CS Construction/Maintenance (Specify Below)
SS	Dry Creek CS	5SSO10935	833704	Certified	Category 3	310 Sierra Blvd.	Placer	No	20	-	2/28/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834102	Certified	Category 3		Sacramento	No	5	-	2/28/2017	Debris-General
SS	Hangtown Creek CS	5SSO10965	833510	Certified	Category 1	3128 Cedar Ravine	El Dorado	Yes	50	50	3/1/2017	Debris-Rags
SS	Sacramento Area Sewer District CS	5SSO10912	834794	Certified	Category 3		Sacramento	No	400	-	3/1/2017	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	834795	Certified	Category 3		Sacramento	No	7	-	3/1/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	834797	Certified	Category 3		Sacramento	No	6	-	3/1/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834796	Certified	Category 3		Sacramento	No	4	-	3/1/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834793	Certified	Category 3		Sacramento	No	3	-	3/1/2017	Root intrusion
SS	Pacific Gardens Sanitary District CS	5SSO11480	834791	Certified	Category 3	42456 Riviera	San Joaquin	No	30	-	3/2/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834798	Certified	Category 3		Sacramento	No	6	-	3/2/2017	Root intrusion
SR	Plumas Eureka Estates CS	5SSO10842	833465	Certified	Category 1	Lift Station near 244 Sequoia Circle, Blairsden, CA	Plumas	Yes	40,050	40,000	3/3/2017	Pump Station Failure-Controls
SS	Hangtown Creek CS	5SSO10965	833498	Certified	Category 1	3140 Cedar Ravine	El Dorado	Yes	200	200	3/3/2017	Pipe Structural Problem/Failure
SS	Sutter Creek CS	5SSO11061	833472	Certified	Category 1	System Manhole #185.1 located in Lorinda Drive near 145 Highland Drive	Amador	Yes	200	150	3/3/2017	Debris-General
SS	Easterly CS	5SSO10938	833461	Certified	Category 3	877 Cotting Court	Solano	No	855	-	3/3/2017	Debris-General
SS	City of Sacramento Utilities CS	5SSO10901	833767	Certified	Category 3	6607 DEMARET DR, SACRAMENTO, CA	Sacramento	No	117	-	3/3/2017	Root Intrusion
SS	El Dorado Hills CS	5SSO10941	833785	Certified	Category 3	EDH-2017-03-03	El Dorado	No	104	-	3/3/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834802	Certified	Category 3		Sacramento	No	14	-	3/3/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834800	Certified	Category 3		Sacramento	No	6	-	3/3/2017	Root intrusion
SS	City of Woodland CS	5SSO10903	833877	Certified	Category 3	901 Tufts Place	Yolo	No	4	-	3/3/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834799	Certified	Category 3		Sacramento	No	1	-	3/3/2017	Operator error
SS	Sacramento Area Sewer District CS	5SSO10912	834803	Certified	Category 3		Sacramento	No	127	-	3/4/2017	Debris-General
SS	Davis CS	5SSO10921	833565	Certified	Category 3	418 A street	Yolo	No	100	-	3/4/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834804	Certified	Category 3		Sacramento	No	18	-	3/4/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834801	Certified	Category 3		Sacramento	No	11	-	3/4/2017	Root intrusion
SS	South Placer Mud CS	5SSO11054	833715	Certified	Category 3	5390 Paragon St - Rocklin	Placer	No	33	-	3/5/2017	Root Intrusion
SF	Laton CSD CS	5SSO11306	834366	Certified	Category 3	Denise Avenue	Fresno	No	7	-	3/5/2017	Pump Station Failure-Mechanical
SS	Sacramento Area Sewer District CS	5SSO10912	834805	Certified	Category 3		Sacramento	No	4	-	3/5/2017	Root intrusion
SS	City of Woodland CS	5SSO10903	833878	Certified	Category 3	546 McKinley Ave.	Yolo	No	2	-	3/5/2017	Debris-General
SS	Tuolumne CS	5SSO11068	833553	Certified	Category 1	First Avenue	Tuolumne	Yes	37	10	3/6/2017	Root Intrusion
SS	City of Woodland CS	5SSO10903	834602	Certified	Category 3	201 W. Beamer St	Yolo	No	234	-	3/6/2017	Debris-General
SS	Southeast Regional Waste Disp Fac CS	5SSO11055	833533	Certified	Category 3	14937 Lotawana Rd., Clearlake, CA 95422	Lake	No	53	-	3/6/2017	Debris-Rags
SS	Sacramento Area Sewer District CS	5SSO10912	834807	Certified	Category 3		Sacramento	No	26	-	3/6/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	834806	Certified	Category 3		Sacramento	No	2	-	3/6/2017	Root intrusion
SS	City Of Jackson CS	5SSO10895	833555	Certified	Category 2	537 Clinton Rd	Amador	No	6,301	-	3/7/2017	Grease Deposition (FOG)
SS	Manitico CS	5SSO10993	834444	Certified	Category 3	1215 Center st	San Joaquin	No	450	-	3/7/2017	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	834810	Certified	Category 3		Sacramento	No	69	-	3/7/2017	Debris-General
SS	South Placer Mud CS	5SSO11054	833714	Certified	Category 3	5911 Becky Way, Loomis	Placer	No	47	-	3/7/2017	Debris from Lateral
SS	Oakdale CS	5SSO11017	833563	Certified	Category 3	WWTP Headworks	Stanislaus	No	25	-	3/7/2017	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	5SSO10912	834809	Certified	Category 3		Sacramento	No	21	-	3/7/2017	Root intrusion
SS	City Of Live Oak CS	5SSO10898	834211	Certified	Category 3	2828 Elm Street Cleanout	Sutter	No	20	-	3/7/2017	Other (specify below)
SF	City Of Bakersfield CS	5SSO10717	833584	Certified	Category 3	3300 Bank St	Kern	No	15	-	3/7/2017	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 Antioch CS	5SSO10890	833622	Certified	Category 3	3136 Cedar CT, Antioch, CA 94509	Contra Costa	No	7	-	3/7/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834808	Certified	Category 3		180428 Sacramento	No	6	-	3/7/2017	Root intrusion
SR	Corning Indust/Domestic CS	5SSO10805	833577	Certified	Category 2	Toomes ave. Corning, ca.	Tehama	No	2,000	-	3/8/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	834813	Certified	Category 3		180559 Sacramento	No	17	-	3/8/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	834814	Certified	Category 3		180564 Sacramento	No	16	-	3/8/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	834811	Certified	Category 3		180523 Sacramento	No	10	-	3/8/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	834812	Certified	Category 3		180531 Sacramento	No	5	-	3/8/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	834827	Certified	Category 3		180902 Sacramento	No	2	-	3/8/2017	Operator error
SF	Kern Sanitation Authority CS	5SSO10737	833652	Certified	Category 1	410 Jeffrey St, Bakersfield	Kern	Yes	18,238	14,866	3/9/2017	Grease Deposition (FOG)
SS	Deuel Vocational Institution CS	5SSO10926	834330	Certified	Category 1	Tower #7	San Joaquin	Yes	15	15	3/9/2017	Pipe Structural Problem/Failure - Installation
SS	Sacramento Area Sewer District CS	5SSO10912	834815	Certified	Category 3		180615 Sacramento	No	900	-	3/9/2017	Debris-General
SF	MD-22A Oakhurst CS	5SSO11311	833619	Certified	Category 3	39844 Pine Ridge Way	Madera	No	200	-	3/9/2017	Root Intrusion
SS	City Of Antioch CS	5SSO10890	833598	Certified	Category 3	1500 Sandy Court, Antioch, CA 94509	Contra Costa	No	31	-	3/9/2017	Root Intrusion
SS	City Of Antioch CS	5SSO10890	833618	Certified	Category 3	624 W. 17th St., Antioch, CA, 94509	Contra Costa	No	4	-	3/9/2017	Root Intrusion
SR	Beckwourth CS	5SSO10786	833660	Certified	Category 3	Beckwourth CSA south-east pond	Plumas	No	500	-	3/10/2017	Other (specify below)
SS	Sacramento Area Sewer District CS	5SSO10912	834819	Certified	Category 3		180728 Sacramento	No	32	-	3/10/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834817	Certified	Category 3		180692 Sacramento	No	7	-	3/10/2017	Root intrusion
SS	City Of Folsom CS	5SSO10893	834253	Certified	Category 3	104 Fricke Ct	Sacramento	No	5	-	3/10/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834816	Certified	Category 3		180678 Sacramento	No	4	-	3/10/2017	Root intrusion
SS	City of Woodland CS	5SSO10903	834608	Certified	Category 3	285 W. Court St	Yolo	No	4	-	3/10/2017	Debris-General
SS	City Of Folsom CS	5SSO10893	834255	Certified	Category 3	1176 Avon Way	Sacramento	No	17	-	3/11/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834870	Certified	Category 3		183517 Sacramento	No	15	-	3/11/2017	Root intrusion
SS	Davis CS	5SSO10921	833635	Certified	Category 3	800 Acacia lane	Yolo	No	10	-	3/11/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834818	Certified	Category 3		180723 Sacramento	No	5	-	3/11/2017	Root intrusion
SS	Davis CS	5SSO10921	833633	Certified	Category 3	1608 Orange lane	Yolo	No	2	-	3/11/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834823	Certified	Category 3		180750 Sacramento	No	48	-	3/12/2017	Debris-General
SS	City Of Antioch CS	5SSO10890	833683	Certified	Category 3	2500 Sycamore Dr, Antioch CA 94509	Contra Costa	No	27	-	3/12/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834821	Certified	Category 3		180743 Sacramento	No	16	-	3/12/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834822	Certified	Category 3		180749 Sacramento	No	7	-	3/12/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834820	Certified	Category 3		180742 Sacramento	No	2	-	3/12/2017	Root intrusion
SS	City of Stockton MUD CS	5SSO11433	833666	Certified	Category 3	2717 Otto Dr Stockton Ca	San Joaquin	No	23	-	3/13/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	834824	Certified	Category 3		180807 Sacramento	No	2	-	3/13/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834825	Certified	Category 3		180837 Sacramento	No	2	-	3/13/2017	Root intrusion
SF	Wasco State Prison CS	5SSO10775	834565	Certified	Category 3	WSP- FACILITY H BUILDING 4	Kern	No	300	-	3/14/2017	Debris-Rags
SS	Sacramento Area Sewer District CS	5SSO10912	834828	Certified	Category 3		180930 Sacramento	No	4	-	3/14/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834826	Certified	Category 3		180876 Sacramento	No	2	-	3/14/2017	Root intrusion
SS	Golfax CS	5SSO10907	833735	Certified	Category 3	Canyon Way Private Backyard	Placer	No	638	-	3/15/2017	Vandalism
SS	City Of Lakeport CS	5SSO10896	833711	Certified	Category 3	870 Eleventh St	Lake	No	30	-	3/15/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	834829	Certified	Category 3		180997 Sacramento	No	11	-	3/15/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	834830	Certified	Category 3		181032 Sacramento	No	20	-	3/16/2017	Root intrusion
SS	City Of Antioch CS	5SSO10890	833768	Certified	Category 3	2318 D St., Antioch, CA 94509	Contra Costa	No	8	-	3/16/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	834831	Certified	Category 3		181045 Sacramento	No	7	-	3/16/2017	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	834832	Certified	Category 3		181089 Sacramento	No	1	-	3/16/2017	Grease deposition (FOG)
SR	Mt Shasta CS	5SSO10835	833771	Certified	Category 1	MH 461 Everitt Memorial and Rockfellow	Siskiyou	Yes	285	265	3/17/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834834	Certified	Category 3		181153 Sacramento	No	41	-	3/17/2017	Vandalism
SS	City Of Antioch CS	5SSO10890	833783	Certified	Category 3	4812 wexler peak wy, 94531, CA	Contra Costa	No	12	-	3/17/2017	Root Intrusion
SS	South Placer Mud CS	5SSO11054	833991	Certified	Category 3	4840 Grove St, Rocklin	Placer	No	5	-	3/17/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834833	Certified	Category 3		181098 Sacramento	No	2	-	3/17/2017	Debris-General
SS	South Placer Mud CS	5SSO11054	834019	Certified	Category 3	5307 Heritage Ct Rocklin	Placer	No	2	-	3/17/2017	Pipe Structural Problem/Failure
SS	City of Sacramento Combined CS	5SSO10901-C	833813	Certified	Category 3	1037 37th STREET, SACRAMENTO, CA	Sacramento	No	800	-	3/18/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	834835	Certified	Category 3		181172 Sacramento	No	1	-	3/18/2017	Root intrusion
SS	Murphys CS	5SSO11007	833796	Certified	Category 3	280 Watkins ST	Calaveras	No	100	-	3/19/2017	Root Intrusion
SR	Redding City CS	5SSO10801	834358	Certified	Category 3	Manhole P9-56, located adjacent to 3348 School St	Shasta	No	23	-	3/19/2017	Other (specify below)
SS	Sacramento Area Sewer District CS	5SSO10912	834836	Certified	Category 3		181176 Sacramento	No	20	-	3/19/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834839	Certified	Category 3		181208 Sacramento	No	6	-	3/19/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834837	Certified	Category 3		181177 Sacramento	No	5	-	3/19/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834838	Certified	Category 3		181182 Sacramento	No	5	-	3/19/2017	Operator error
SS	Sacramento Area Sewer District CS	5SSO10912	834841	Certified	Category 3		181362 Sacramento	No	101	-	3/20/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834843	Certified	Category 3		181384 Sacramento	No	34	-	3/20/2017	Root intrusion
SS	Davis CS	5SSO10921	833826	Certified	Category 3	1816 Apple Lane	Yolo	No	20	-	3/20/2017	Root Intrusion
SS	Davis CS	5SSO10921	833829	Certified	Category 3	5451 St.	Yolo	No	15	-	3/20/2017	Root intrusion
SF	Arvin CS	5SSO11218	833810	Certified	Category 3	Intersection of State Route 223 and Meyer St., Arvin, CA 93203	Kern	No	10	-	3/20/2017	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	834842	Certified	Category 3		181366 Sacramento	No	4	-	3/20/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	834840	Certified	Category 3		181213 Sacramento	No	2	-	3/20/2017	Operator error
SS	Easterly CS	5SSO10938	833849	Certified	Category 3	201 Main St	Solano	No	451	-	3/21/2017	Other (specify below)
SS	Sacramento Area Sewer District CS	5SSO10912	834845	Certified	Category 3		181486 Sacramento	No	37	-	3/21/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	834844	Certified	Category 3		181485 Sacramento	No	7	-	3/21/2017	Root intrusion
SS	City Of Folsom CS	5SSO10893	834255	Certified	Category 3	320 Turn Pike Dr	Sacramento	No	5	-	3/21/2017	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	5SSO10912	834848	Certified	Category 3		181531 Sacramento	No	105	-	3/22/2017	Debris-General
SS	Clearlake Oaks Co Wtr Dis CS	5SSO10906	833938	Certified	Category 3	Intersection of East Highway 20 and Beryle way	Lake	No	50	-	3/22/2017	Debris from Construction

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	834847	Certified	Category 3		181526	Sacramento	No	3	-	3/22/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834844	Certified	Category 3		181524	Sacramento	No	1	-	3/22/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834850	Certified	Category 3		181677	Sacramento	No	128	-	3/23/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	834849	Certified	Category 3		181674	Sacramento	No	9	-	3/23/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	833984	Certified	Category 1		181717	Sacramento	Yes	7	3	3/24/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	834852	Certified	Category 3		181733	Sacramento	No	38	-	3/24/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	834851	Certified	Category 3		181713	Sacramento	No	4	-	3/24/2017	Root intrusion
SS	City of Stockton MUD CS	5SSO11433	833936	Certified	Category 3	8555 Kelley Dr Stockton Ca		San Joaquin	No	55	-	3/25/2017	Grease Deposition (FOG)
SS	City Of Folsom CS	5SSO10893	834257	Certified	Category 3	432 Porter Rd		Sacramento	No	10	-	3/25/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834011	Certified	Category 1		181761	Sacramento	Yes	79	55	3/26/2017	Root Intrusion
SS	West Sacramento CS	5SSO11082	834106	Certified	Category 3	837 Morning Glory		Yolo	No	52	-	3/26/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834856	Certified	Category 3		181764	Sacramento	No	6	-	3/26/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834853	Certified	Category 3		181758	Sacramento	No	5	-	3/26/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	834854	Certified	Category 3		181763	Sacramento	No	5	-	3/26/2017	Root intrusion
SF	Mariposa Co DON PEDRO SEWER ZONE 1 CS	5SSO11326	834328	Certified	Category 1	Lift Station #4		Mariposa	Yes	4,000	4,000	3/27/2017	Pipe Structural Problem/Failure - Installation
SF	Kern Sanitation Authority CS	5SSO10737	833962	Certified	Category 3	1906 East California Avenue		Kern	No	100	-	3/27/2017	Damage by Others Not Related to CS Construction/Maintenance (Specify Below)
SS	Sacramento Area Sewer District CS	5SSO10912	834861	Certified	Category 3		181902	Sacramento	No	57	-	3/27/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834857	Certified	Category 3		181814	Sacramento	No	23	-	3/27/2017	Root intrusion
SF	City Of Bakersfield CS	5SSO10717	833988	Certified	Category 3	1422 Wilkins St & Clyde St		Kern	No	10	-	3/27/2017	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	834858	Certified	Category 3		181801	Sacramento	No	4	-	3/27/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834858	Certified	Category 3		181864	Sacramento	No	3	-	3/27/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834859	Certified	Category 3		181865	Sacramento	No	2	-	3/27/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834860	Certified	Category 3		181868	Sacramento	No	1	-	3/27/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834220	Certified	Category 1		181960	Sacramento	Yes	48	28	3/28/2017	Root Intrusion
SS	El Dorado Hills CS	5SSO10941	834020	Certified	Category 3	EDH-2017-03-04		El Dorado	No	72	-	3/28/2017	Debris-Rags
SS	Sacramento Area Sewer District CS	5SSO10912	834864	Certified	Category 3		181962	Sacramento	No	20	-	3/28/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834863	Certified	Category 3		181947	Sacramento	No	4	-	3/28/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	834862	Certified	Category 3		181945	Sacramento	No	3	-	3/28/2017	Root intrusion
SS	Dry Creek CS	5SSO10935	834223	Certified	Category 3	401 Coronado		Placer	No	5	-	3/29/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834866	Certified	Category 3		181969	Sacramento	No	2	-	3/29/2017	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	834866	Certified	Category 3		182238	Sacramento	No	2	-	3/29/2017	Debris-General
SS	City Of Antioch CS	5SSO10890	834517	Certified	Category 2	4800 Golf Course Rd, Antioch CA		Contra Costa	No	9,722	-	3/30/2017	Grease Deposition (FOG)
SS	City Of Live Oak CS	5SSO10898	834213	Certified	Category 3	2455 Ash Street Cleanout		Sutter	No	35	-	3/31/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	834868	Certified	Category 3		182330	Sacramento	No	5	-	3/31/2017	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	5SSO10912	834867	Certified	Category 3		182329	Sacramento	No	2	-	3/31/2017	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	834869	Certified	Category 3		182339	Sacramento	No	1	-	3/31/2017	Debris-General