

Project Name & Project Sponsor	Watershed Group Rank	Project Status	Project Summary
Watershed Group No. 1 - San Simeon/Cambria			
Santa Rosa Creek Streamflow Enhancement [Upper Salinas Las Tablas Resource Conservation District]	WG 1-1	Planning Phase	Santa Rosa Creek experiences inadequate seasonal low-flows, yet has significant flooding occur during winter storms. The approaches to be utilized to enhance dry season flows in Santa Rosa Creek fall into one of two broad strategies: 1) capturing and retaining water in the watershed from winter storms that would otherwise flow out into the Pacific Ocean, and, 2) reducing the amount of water being utilized (i.e. consumptive use). This process would occur through capture and recharge of peak wet season flow, increased water conservation to decrease consumptive use, and greywater systems for non-potable water to decrease consumptive use.
Santa Rosa Creek Floodplain & Wetland Retention Plan [Upper Salinas Las Tablas Resource Conservation District]	WG 1-2	Planning Phase	Increase the flood retention in the upper and middle reaches of Santa Rosa Creek to increase percolation and reduce flood risk. Initial evaluations have been conducted to address instream flows, including a study to identify areas with intrinsic potential for groundwater recharge and summer base-flow augmentation (Salinas Las-Tablas RCD and Stillwater Sciences, 2015). Based on percolation potential, approximately 19,000 acres with high and medium potential for groundwater recharge were identified. These areas were concentrated along the alluvial valleys and floodplains of both Santa Rosa Creek main-stem and its tributaries. To effectively build on previous research and implement both in-channel and floodplain restoration, a coordinated, science-based plan is needed to prioritize and describe enhancement opportunities in the watershed that will result in comprehensive and effective restoration of steelhead habitat.
San Simeon Creek Road Flooding Remediation [Cambria Community Services District]	WG 1-3	Planning Phase	The project, located San Simeon Creek Road has a low area that floods, which is about 550 feet east of Van Gordon Creek Road, would assess the flow channel of Van Gordon Creek and its associated culverts due to the creek channel overflowing its western bank onto State Parks property during heavy rainfall. The overflow from Van Gordon Creek flows to a low point on the San Simeon Creek road approximately 550 feet east of the Van Gordon Creek road intersection. The main Van Gordon Creek flow channel would be cleared of debris and severely corroded or undersized culverts would be replaced to allow flow from a 100-year return frequency storm to pass without flooding. The low point of the roadway may be increased in elevation to improve upon drainage along the roadway shoulders. Work would include all necessary project management and permitting.

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Watershed Group No. 2 - Cayucos/Morro Bay/Los Osos			
Capture and Reuse of Storm Water Conceptual Phase [Los Osos Community Services District]	WG 2-1	Conceptual Phase	The District would like to redistribute the storm water from our Drainage System to the Los Osos Waste Water Treatment Plant (LOWWTP). Currently we have two outfall lines; one outfall delivering to the Los Osos Bay and one to the Morro Bay Estuary. The storm water would benefit the LOWWTP in supplementing their recycled water program. This project, located at 9th Street and El Morro in Los Osos, would positively protect our natural resources, habitat and environment.
2nd Street Baywood Green Street Project [Morro Bay National Estuary Program]	WG 2-2	Conceptual Phase	A green/complete street concept design was developed for two blocks of 2nd Street in Baywood/Los Osos adjacent to Baywood Pier. This area is used frequently by the public for passive and active recreation. Rather than evaluate a full street reconstruction that would be very costly, targeted improvements that leverage the existing landscaped areas and make use of the wide street right-of-way, were examined. The concept design integrates stormwater management, improves pedestrian safety, and is consistent with the community's planning effort, which is led by San Luis Obispo County. The design also includes pedestrian safety improvements that slow traffic and provide safe crossing areas. Effort was taken to create a concept design that was appropriate for this particular neighborhood, which includes significant foot traffic in the street, a weekly farmer's market, street fairs, and an informal neighborhood atmosphere. Conceptual Design available at: https://www.centralcoastlidi.org/project-details.php?id=3
Embarcadero Surf Project [Morro Bay]	WG 2-3	Planning Phase	Currently, runoff from the Surf Street Drainage Management Area (DMA approx. 5 acres) is routed as surface flow to the west end of Surf Street where runoff is conveyed via pipe down the slope, emerging as surface runoff, which then enters a drainage inlet near the public restroom. A subsurface pipe then discharges runoff to the Bay at the outfall. A raised planter box style biofiltration Stormwater Control Measure (SCM), located on the Embarcadero at terminal end of Surf Street in Morro Bay, would provide water quality treatment, public seating and urban greening improvement on the waterfront. The design is intended to align with the proposed design for the maritime museum. Runoff would be routed into the biofiltration SCM, infiltrated through bioretention soil media with treated runoff exiting the SCM via an underdrain. Concept design, sizing, estimated performance, estimated costs is available as part of the project concept design.

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Embarcadero Boat Wash Project [Morro Bay]	WG 2-4	Planning Phase	Currently, runoff from the boat wash area is routed via a valley gutter to a storm drain inlet that outfalls to the Bay (DMA= 14,500 sq ft). The concept design option shows modification of the existing landscape strip adjacent to the inlet into a biofiltration Stormwater Control Measure (SCM), located at the south end of the Embarcadero near the Boat Wash Station in Morro Bay. Runoff would be routed into the biofiltration SCM, infiltrated through bioretention soil media with treated runoff exiting the SCM via an underdrain to the existing piped stormwater conveyance system. The existing inlet also receives stormwater runoff from the north. This project option only addressed the DMA that includes the boat wash area. In addition to stormwater quality control, the biofiltration design provides urban greening improvements on the waterfront. Concept design, sizing, estimated performance, estimated costs is available as part of the project concept design.
Morro Bay State Park Marina Parking Lot [Morro Bay National Estuary Program]	WG 2-5	Planning Phase	In collaboration with California State Parks, Morro Bay National Estuary Program, California Coastkeepers, Coastal San Luis RCD, and California Marine Sanctuary Foundation, a long-standing water quality problem site along a 0.5 km waterfront area will be remediated. The slope and design of a degraded parking lot and accompanying failed culverts are shunting untreated, sediment-laden stormwater directly into the estuary. This stormwater issue is causing public health risks, economic impacts, and declines of marine resources. Morro Bay's estuarine areas are showing signs of damage and the estuary was listed as impaired for sediment and other pollutants. This LID retrofit project, located in the Morro Bay State Park Marina parking lot in Morro Bay, would support the planning and installment of stormwater pollution prevention infrastructure at this waterfront location, cleaning up Morro Bay for the benefit of the local economy, fisheries, and wildlife. Conceptual plans are complete and all partners are on board to move this project forward. An application was submitted to the OPC's Prop 1 solicitation in February 2018. The planning phase will further scope out two alternatives for State Parks to consider for final project design.
Bioreactor Installation in Morro Bay Watershed [Morro Bay National Estuary Program]	WG 2-6	Conceptual Phase	Sub-watersheds (e.g., Warden Creek) within the Morro Bay watershed have elevated nitrate levels. A bioreactor to help treat nitrates has been successfully installed along Los Osos Creek by the CSLRCD. Additional bioreactors, located at various locations in Morro Bay watershed on agricultural lands, could be implemented to capture agricultural run-off and treat elevated nitrates at multiple locations in the watershed.
Camp SLO Various Projects [CA Army National Guard]	WG 2-7	Conceptual Phase	Camp San Luis Obispo is proposing several stormwater management projects for implementation throughout the installation: Cantonment Retention Basin, Grazing for Stormwater Management, Training Area/CCC Center LID Projects, Grasscrete Cantonment Parking Areas and Range Road, 1300 (Industrial Area) Block Rainwater Tank Farm, Rainwater Capture (various locations), Sheet mulching (various locations), USPFO Floodplain Restoration

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Cloisters Project [Morro Bay]	WG 2-8	Conceptual Phase	Currently, stormwater runoff from residential land use DMAs (approx. 330 acres) discharges, untreated, to five outfalls located along Hwy 1. Runoff is routed through an existing swale and is then conveyed to a natural wetland. The green infrastructure project, located in the Cloisters Community Park in Morro Bay, includes modification of the existing swale to improve detention, infiltration and water quality treatment by creating a series of infiltration cells that slow and hold water. Cells would be landscaped with vegetation along the perimeter appropriate to the climate and ecology of the dune/scrub area. The stormwater functional portion of the cells would not be vegetated to optimize infiltration. Soil amendment would include a higher sand/aggregate mix than bioretention soil media to support high infiltration rates. Excess flows would be conveyed to the existing wetland. Additionally, flows from DMA 3 would be routed as the current situation to provide sufficient flows to the wetland. Given the large DMA, retention and treatment performance does not equal the 85th percentile, 24-hour storm event water quality objective. However, significant stormwater management is provided at a low cost (\$6.50 per square foot). Concept design, sizing, estimated performance, estimated costs is available as part of the project concept design.
Watershed Group No. 4 - Arroyo Grande/Pismo Creeks			
Stormwater Infiltration Basins [Oceano Community Services District]	WG 4-1	Planning Phase	Storm water infiltration basins, located at various locations in Oceano, are being pursued as part of the Oceano CSD's Low Impact Development efforts. Consultant efforts are currently in progress to provide recommended updates to the County's 2004 Drainage study for the community. In addition, the District is considering an LID storm water recharge for its parking lot, which would include retrofitting existing parking lot drainage features and existing landscaping.
Pismo Preserve Roads Improvement Project [Land Conservancy of San Luis Obispo County]	WG 4-2	Conceptual Phase	The Land Conservancy would like to improve the drainage features on the dirt roads at Pismo Preserve to reduce erosion and sedimentation, located at 80 Mattie Road in Pismo Beach. By using modern BMPs for dirt road design including out sloping roads, rolling dips and armoring drainage features, sedimentation can be reduced. The ephemeral drainages on the Preserve drain directly to the Pacific Ocean. By reducing sediment input from the dirt road system and encouraging native vegetation to grow in the drainages, storm water runoff quality can be improved.

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Corbett Creek Floodplain and Stream Restoration Project [Arroyo Grande]	WG 4-3	Planning Phase	Corbett Creek is in a state of dysfunction from encroaching residential land uses, increased runoff and sedimentation. Each season brings the threat of flooding to homeowners in the floodplain. The Corbett Creek Floodplain and Stream Restoration Project, located at 456 Carpenter Canyon Road in Arroyo Grande, would remedy and alleviate some of these concerns. One part of component 1 of the project is to design, permit, and impelent a floodplain/sediment detention basin. Component two is to design and draft permits for a stream restoration project to 50% engineer designs. This includes designing a channel restoration project along 4200 feet of stream to restore the channel geomtry thereby increasing flow volumes. These components will increase the area of active floodplain avaialble to Corbett Creek by 10 acres, reduce chronic sedimentation, improve habitat, and reduce flood frequency to the Tally Ho neighborhood. The project will positively affect the mainstem of AG Creek and the flood control channel (Zone 1/1A) by reducing sediment loads and flood waters, in turn reducing associated costs of channel maintenance and flood damage.
South Halycon Green/Complete Street [Arroyo Grande]	WG 4-4	Planning Phase	The City of Arroyo Grande plans to improve South Halycon Road, which is currently a four-lane arterial street with a median turning lane located between US -1 and US-101. The City would like to evaluate improvements that address mobility (bike, pedestrian, vehicles, transit), urban greening, and stormwater management. Improvements would seek to provide multiple community and environmental benefits including protection of Arroyo Grande Creek. The various stormwater management opportunities can be evaluate at such time the City is ready to study options for South Halycon Road.
Oceano Drainage Improvement Project [County of San Luis Obispo]	WG 4-5	Ready for Implementation	The propopsed improvements for the regional CIP project are designed to reduce the potential for flooding at the intersection of Highway 1 with 13th Street and Paso Robles Street in Oceano. The existing drainage system at this location underperforms and is not capable of conveying drainage of small storm events. The Project consists of installing new storm drain facilities near and around the intersection of Highway 1 with 13th and Paso Robles Street, additional storm drain facilities within 15th street and Paso Robles Street intersection, a concrete sedimentation basin in the RV Storage Lot near Arroyo Grande Creek, a box culvert through the existing Arroyo Grande Creek levee and road side infiltration systems within the existing residential community. The project improves safety by addressing flooding on Hwy 1, enhanced emergency vehicle passage, and groundwater re-charge.

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Watershed Group No. 5 - Nipomo			
Alternatives Analysis and BMP Implementation Plan for the Oso Flaco Watershed [Coastal San Luis Resource Conservation District]	WG 5-1	Planning Phase	The Alternatives Analysis and BMP Implementation Plan for the Oso Flaco Watershed is a planning, monitoring and outreach project to develop an alternatives analysis and implementation plan to address groundwater and surface water pollution, agricultural and storm water runoff and conveyance issues for the Oso Flaco watershed.
Watershed Group No. 7 - Salinas River			
Atascadero Sunken Gardens Stormwater Capture [Atascadero]	WG 7-1	Conceptual Phase	The Atascadero Sunken Gardens Stormwater capture and water quality treatment project is located in the downtown area on El Camino Real at the West Mall. The total area captured includes approximately 18.7 acres of developed urban core. Project proposes roadway edge treatment improvements and underground infiltration chambers within the city-owned Sunken Gardens.
Upper Spring Street Low Impact Development Project [Paso Robles]	WG 7-2	Conceptual Phase	The conceptual project will redevelop Spring Street to construct and incorporate an array of bioretention features along the Spring street corridor from 24th Street to 36th Street in Atascadero. The project has some conceptual designs and will likely be tied to an existing road retrofit improvement project.
Melody Basin Retrofit [Paso Robles]	WG 7-3	Conceptual Phase	The proposed project would be to retrofit an existing basin that has been neglected for decades. The City has been observing increase criminal activity in the area and has been trying to determine the best way to bring increased visibiklity and "charm" back to the basin. The basin is located within a residential neighborhood. A preliminary hydrologic study was done in 2018. The suggeston was to retrofit the basin to include features that allow increased infiltrations, increase wetland vegetaton, and create a walking trail that allows better visibility and public use.
El Camino Real Greenstreets Project - Downtown Corridor (Atascadero)	WG 7-4	Conceptual Phase	Capture and treat storm water runoff for a 9.0 acre portion of the downtown urban core of Atascadero. Project BMP components include on-street median or roadway edge vegetated swales, vegetated bulbouts, and larger planter retention basins. Stormwater runoff currently discharges to Atascadero Creek.

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Mountain Springs Infiltration Basin [Paso Robles]	WG 7-5	Planning Phase	The proposed project is to construct a stormwater infiltration basin that will receive stormwater runoff from a 1,400 acre watershed area located n the western boundary of Paso Robles. The basin will function to minimize the runoff velocities, improve water quality through biofiltration and sediment detention, and actively facilitate groundwater infiltration and replenishment. During large storm event conditions, the basin will act as a flood control feature that will reduce velocity and runoff amount before entering the urbanizing area. The project will be designed and constructed by the County of San Luis Obispo and will be maintained by the City of Paso Robles in perpetuity. The basin will be combined with a road realignment to improve safety and traffic circulation.
Grand Canyon Basin Retrofit [Paso Robles]	WG 7-6	Conceptual Phase	The proposed project would be to retrofit the existing basin to encourage infiltration and mitigate peakflows withinh the watershed. The basin is located within a residential area and is owened and operated by the City.
Montebello Oaks Basin Retrofit [Paso Robles]	WG 7-7	Conceptual Phase	The proposed project is to retrofit an existing basin and drainage outfall area that is antiquated and sustained major damage during the last 2016/2017 storm events. The concept would be to repair the basin to increase functionality and retrofit the outlet area to include an infirfiltration basin as well as fueatures to arrest sediment, and peak flows to the receiving water. The area is owned and operated by the City.
Niblick LID Drainage Retrofit [Paso Robles]	WG 7-8	Conceptual Phase	The proposed project would be to retrofit an existing road side drainage that recieves runoff from the surrounding urban landscape area. This would be an opportunity to increase water quality coming from the road ide, increase infiltration, and slow flow. The drainage is located near the City High School and may act as a safe route to school, provided that the retrofit includes a walkway feature. This has greater opportunity for public usage and education, infiltration, improved water quality.
Watershed Group No. 8 - Estrella River			
San Juan Storm Water Infiltration Project [Shandon-San Juan Water District]	WG 8-1	Conceptual Phase	A project to capture excess storm water and spread it for slow percolation into the groundwater on sandy open fields and vineyards. This area, at located San Juan Valley east of Shell Ck. Rd. and west of San Juan Rd., is one of the best sites in the County for groundwater recharge.

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Regional Programs			
Stormwater Rewards Rebate Program [Coastal San Luis Resource Conservation District]	REG	Conceptual Phase	The Stormwater Rewards Rebate Program will provide cost share rebates to landowners retrofitting their property with Low Impact Development practices that slow, spread, and sink stormwater runoff. The program aims to install BMPs countywide, such as rain gardens, cisterns, and vegetated swales, among others. Priority will be on highly impervious land uses. Outreach workshops will expand knowledge on LID implementation for landowners, installers and vendors.
Agricultural Water Management [Coastal San Luis Resource Conservation District]	REG	Conceptual Phase	This project is designed to provide education, training, technical support, and capital funding to improve agricultural water management and irrigation efficiency within all county watersheds. Farmers will learn how to manage their water in all phases from application of irrigation water to collection of stormwater runoff. Most importantly they will receive the funding necessary to implement BMPs. The project will include the following components: 1. Funding assistance for agricultural water meters and other irrigation system improvements aimed at increasing water use efficiency. 2. Development of mobile applications for weather based irrigation scheduling. This would include implementing the CropManage program developed by the UC Cooperative Extension 3. Education, outreach and training for farmers on irrigation water management. 4. Conducting Irrigation system evaluations with the CSLRCD Mobile Irrigation Lab. 5. Funding for implementation of irrigation system improvements based on recommendations from system evaluations. 6. Funding for implementation of farm scale sediment capture / stormwater infiltration BMPs. 7. Assist Farmers with funding (grant or other) applications to replace inefficient pumps, or motors with new efficient models. Application assistance could pertain to APCD grants, NRCS programs or others.
Region wide Key Percolation Zone Study [Upper Salinas Las Tablas Resource Conservation District]	REG	Ready for Implementation	Key percolation zones can provide a mechanism to improve water quality for groundwater conditions. In order to improve water quality conditions, the first step is to identify the issue and then develop methods for treating. Information and mapping from the Key Percolation Zone Study will provide resource managers the ability to develop projects to improving groundwater conditions. This study will build upon the work conducted by the RCDs with Stillwater Sciences to identify Key Percolation Zones in two pilot watersheds (Santa Rosa and San Luis Obispo creeks) and apply the methodology to the remaining 23 watersheds identified in the SLO Watershed Management Plan.

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Earth Genius - Educational Programming [One Cool Earth]	REG	Ready for Implementation	One Cool Earth's Earth Genius program provides water-focused education and hands-on projects with real-world impacts at public elementary schools in San Luis Obispo County. We request that our program be considered as an educational component to infrastructure projects. We have developed grade-level appropriate curriculum focused on Low Impact Development, water conservation, stormwater management and pollution prevention, waste management (composting/recycling/zero waste), that can be custom tailored to fulfill the community outreach and public education component any SWRP project. Our programs are unique--we work with schools year-round, reaching all students in the school with several interactions throughout the year, installing demonstration projects with students and completing standards-based curriculum. These on-going, engaging education projects are shown to be more effective than single drop-in classes, one-time field trips, or guest speakers, according to the National Oceanic and Atmospheric Administration's best practices guide for providing Meaningful Watershed Educational Experiences. We currently have active programming at 18 schools in the following areas: Oceano, Arroyo Grande, Shandon, Cambria, Paso Robles and Atascadero. We have established contacts at many more who are familiar with our program and ready to start up based on funding availability. In addition, we are able to raise 1:1 or 2:1 matching funds in most cases, reducing the cost of our program.

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