

# Exhibit 3: Proposed Projects

## IWRP Phase 4 Potential Projects

Project	Location	Issue to be addressed/ Description of work needed	Partners/ Leverage	IWRP Budget
<b>Monterey County</b>				
Arroyo Seco Fish Passage Improvement at Clark Colony	Arroyo Seco River	Issues: steelhead habitat protection and restoration -Design (self-funded by Clark Colony) & Permitting -Implementation (FRGP submission March 2016)	Upper Salinas Las Tablas RCD, TU, Clark Colony, CDFW, NMFS	40,000.00
Strobel Ranch bioreactors	Just east of Castroville on Tembladero Slough	Issue: water quality improvement of tile drain water before entering -design and permits -implementation with CDFA funds (in application) in 2016	CCWG, CDFA (implementation \$\$), Cooper Family	40,000.00
Relocation of trail away from Big Sur River	Andrew Molera State Park	Issues: steelhead habitat protection and restoration, erosion control -Design & Permitting -Implementation (FRGP submission March 2016 or 2017)	State Parks, CDFW, TU	50,000.00
Post Creek hillside stabilization and sediment control	Post Creek above and within Pfeiffer Big Sur State Park	Issues: steelhead habitat protection and restoration, erosion control -Design & Permitting -Implementation (possible Ventana Inn settlement funds or FRGP)	State Parks, CDFW, TU, Ventana Inn, Coastlands Mutual Water Company, CalTrans, USES	60,000.00
Cachagua Creek road crossings fish passage	Upper Carmel Valley/ Cachagua Cr	Issues: steelhead habitat protection and restoration, fish passage, -Design & Permitting -Implementation (FRGP submission Mar 2016 or 2017)	Landowners, CRSA, Carmel Watershed Conservancy, NRCS	85,000.00
Lower Salinas River Vegetation Management and Restoration Program	Lower Salinas River	Issue: Noxious weeds, erosion, habitat quality, flood control, water -partnership with local entities, TNC and landowners for 10 TO 20K per acre depending on scope -Project implementation – continuous since 2014	Wildlife Conservation Board, Monterey Co Water Resources Agency, Salinas River Landowners, TNC, IRWMP	100,000.00
Reclamation Ditch (Gabilan, Alisal & Natividad Creeks) improvement	Salinas to Castroville	Issue: flood control, urban greening, water quality, habitat improvement, public recreation -Interest group coordination -Demonstration project Design Development	MCWRA, City of Salinas, Building Healthy Communities, CCWG, IRWMP	50,000.00
Pico Blanco Boy Scout Camp Environmental Projects	Little Sur Watershed	Issue: erosion control, habitat restoration for steelhead and CRLF -Design and Permitting -Initial implementation	Boy Scouts, USDA NRCS	45,000.00
<b>Santa Cruz County</b>				
Buena Vista Pond Creation	Larkin Valley	Planning for construction of salamander breeding pond- 50 acre protected parcel The project would benefit from a planned migration corridor planned by CalTrans that would link Larkin Valley and Buena Vista.	CDFW, USFWS, Section 6 S	55,000.00
San Vicente LWD	San Vicente Cr	Implement recommendation Watershed Restoration Plan- . would include felling trees into the creek channel. Tree selection completed and supported by POST, w/ NRCS taking lead. IWRP funds for developing landowner agreements, finalizing designs, funding agreement and permitting the project	Cemex Redwoods, BLM, NOAA, CDFW, NRCS	10,000.00
Riparian Off-Stream Storage	Central SC Co. (San Lorenzo River)	Mirroring the project in San Mateo County, the project would focus on critical stream reaches where riparian diversifiers have a significant impact. RCDSCC would conduct a water rights, hydrologic and feasibility analysis to determine feasibility and potential project benefit (\$15K) design and permit at least 1 demo project (\$40K)	TU, SMRCD, City of Santa Cruz, IWRP TAC	50,000.00
Scotts Creek Lagoon Restoration	Scotts Creek	Matching funds to potential CalTrans funds to support refinement of conceptual designs for lagoon restoration. Likely would support a hydrologic (fluvial and oceanic) and habitat (water quality, channel morphology, specific species needs) analysis.	Caltrans (secured \$84K as of May 5, 2015), RTC, SCC, IWRP TAC	40,000.00
Managed Aquifer Recharge in Critical Locations	Countywide	Conduct additional push tests on selected properties to ground-truth feasibility for siting a MAR facility (\$75-10K/site). Utilize an analysis being created by Dr. Andy Fisher at UCSC (funding through a State Coastal Conservancy Climate Ready grant) that will identify the most suitable locations for implementing managed aquifer recharge projects throughout Santa Cruz County.	Wide Range	50,000.00

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Fish Passage in San Lorenzo River Watershed	Mainstem and Branciforte Cr	Continue working with IWRP TAC and City Water on coho recovery in San Lorenzo River Watershed. TAC has requested that IWRP focus efforts on LWD and key passage projects on mainstem and Branciforte. There are a number of projects in the works and this could be a small or large effort, depending on landowner willingness and availability of implementation funds	NOAA, CDFW, City of Santa Cruz Water, USFWS	100,000.00
Zyante Creek LWD	San Lorenzo River Watershed	Continue working with IWRP TAC and City Water on coho recovery in San Lorenzo River Watershed. TAC has requested that IWRP focus efforts on LWD and key passage projects on mainstem and Branciforte. The TAC has identified a specific reach of Zyante that could have the biggest benefit for fisheries recovery.	NOAA, CDFW, City of Santa Cruz Water, USFWS	\$40-60K
Lower San Vicente Floodplain Restoration	San Vicente Cr	This project was another top priority in the San Vicente Plan. Approximately \$80K of design work could be funded through an upcoming settlement with Cemex. If this funding does come through, IWRP is the perfect fit to cost-share the design work and get the project fully designed.	IWRP TAC, Cemex (potential \$80k+ funding), County	30,000.00
<b>San Mateo County</b>				
Good Earth Demo Projects	Countywide	The Good Earth Program focuses on implementing climate change adaptation and mitigation projects. Initially will target soil conservation projects aimed at increasing soil carbon, moisture retention, and decreasing erosion. Will develop a programmatic permit approach for large scale Eucalyptus removal which will be essential to bio-char generation and potentially marketable product.	NRCS has contributed \$150K through the RCCP grant	35,000.00
Sediment Reduction through Gullies and Rural Roads Assessments	lower Pescadero-Butano Watersheds	The project will assess and develop designs for a minimum of 5 gullies and 15 miles of roads on 10 large properties. A workshop with a projected 30 attendees will also be held to disseminate best management practices for erosion control on roads and gullies.	IWRP TAC, private landowners, Pescadero Advisory Council	75,000.00
Master 1600 Permit (instream flow)	Pescadero, Butano and San Gregorio Watersheds	This project will develop master 1600 agreements with CDFW for projects benefiting instream flow.	TU, American Rivers,	30,000.00
La Honda Creek LWD Project	San Gregorio Watershed	This project will develop designs and secure permits and implementation funding for a LWD project in lower La Honda Creek, a tributary to San Gregorio Creek.	POST and MidPen have offered \$20K in matching funds	20,000.00
Alpine Creek Fish Passage Designs	San Gregorio Watershed	Develop conceptual (35%) designs and secure permits and implementation funding for a solution to fish passage and streambed incision on Alpine Creek, a tributary to San Gregorio Creek.	NOAA and CDFW; FRGP funded 35% designs. Looking for match.	125,000.00
Pescadero Marsh Fish Passage	Pescadero Creek Watershed	This project will develop designs for a multi-benefit project for fish passage and overall lagoon function between Pescadero Marsh and Butano creek. IWRP funds could be used to to develop 35% designs	IWRP TAC, State Parks	40,000.00
Memorial Park Water Storage Permits	Pescadero Creek Watershed	This project would help secure permits for the construction of a water storage tank and repair and replace leaking water lines and utilities.	Majority funded through IRWM (\$1M). County Parks and TU	50,000.00
Memorial Park LWD Project Development	Pescadero Creek Watershed	Develop designs, a implementation grant proposal (e.g. FRGP), and permits for installing LWD structures in Memorial Park, Pescadero Creek Watershed.	County Parks and the Friends of County Parks	45,000.00
Lake Lucerne Feasibility Study	Pescadero Creek Watershed	This project would prepare a feasibility study for delivering water from Lake Lucerne to Butano Creek in order to supplement instream flow during the late summer.	IRWM will be funding 1	15,000.00
			<b>Total</b>	<b>1,240,000.00</b>