

2011 Clean Water Act 319 Recommended Project List

Pin No.	Project Title	Project Type	Project Description	Native Region	Funding Summary (\$)			Approval Status
					CWA 319 Amount	Applicant Match	Total Project Amount	
22154	South Fork Trinity River Watershed Sediment Reduction Project	Implementation	This Project targets the South Fork Trinity River TMDL for sediment. The Project addresses Cold Water Habitat (COLD), Spawning (SPWN), and Migration of Aquatic Organisms (MIGR) beneficial uses. This project is expected to reduce sediment load by 32,000 cubic yards (CYs) as determined by fill removed from stream crossings.	1	400,000	133,500	533,500	<b>Conditionally Support</b> – In the final scope of work (SOW) monitoring needs to be conducted on all sites. In addition, Watershed-based Plan Elements D (Technical and Financial Assistance), F (Schedule for Implementing Management Measures), G (Milestones) and I (Monitoring Component) need to be expanded to meet USEPA requirements.
22216	Navarro River Headwaters TMDL Implementation Project	Implementation	This Project addresses the Navarro River TMDL. The beneficial uses addressed are COLD, Agriculture (AGR), Recreation (REC-1,2), Domestic Water Supply (MUN), and Habitat for Terrestrial Wildlife and other Aquatic Species (WILD). The estimated sediment load reduction for this Project is 76.5% of the target sediment load reduction for the 5.7 square miles drained by the project area, resulting in an overall 1.4% annual target reduction for the entire 315 square mile watershed.	1	450,000	514,862	964,862	<b>Fully Support</b> - In the final SOW include a monitoring component. Strengthen the Outreach and Education Component. Address the site access issue. Clarify the budget.
22268	Shasta River Riparian Protection and Enhancement Project	Implementation	This Project addresses the Shasta River TMDL . The beneficial uses addressed are COLD, MUN, REC-1,2 and Irrigation (IRR). The goal of this Project is to achieve complete protection of the stream and stream banks from impact due the presence of cattle by installing fencing and revegetation activities. Through the implementation activities, 92% of the highest priority sections of Shasta River will have completed protection and partial revegetation of the area. Load reduction was not specified.	1	314,000	7,545	321,545	<b>Fully Support</b> – DFA needs to confirm the use of the Disadvantaged Community (DAC) Waiver, because the DAC was not based on census data. Census data for tribes is/was not available.

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22301	Conserving Our Watersheds III: Grazing Waiver Implementation	Implementation	This project continues efforts to implement the Tomales Bay TMDL for Pathogens (nutrients & sediment). The beneficial uses addressed are: Marine Habitat (MAR), Estuarine Habitat (EST), COLD and Warm Freshwater Habitat (WARM), MIGR, Preservation of Rare and Endangered Species (RARE), and Wildlife Habitat (WILD). The goal is to assist the agriculture community in complying with new waste discharge requirements (WDRs) of the Conditional Waiver for Grazing Lands. Through implementation activities, 60-90% reduction in pathogen and nutrient loading from all sites, 50-75% reduction in fine sediment delivery from riparian fencing and revegetation projects, and 75-95% sediment reduction from drainage gully and streambank repairs are expected. For riparian revegetation projects, the following additional targets have been established: 80% plant survival rate at each site and a 65% increase in native riparian tree and shrub cover.	2	625,092	506,000	1,131,092	<b>Fully Support</b> - Needs to integrate with the Regional Monitoring Program.
22306	Napa River Rutherford Reach Restoration: Phase 3 Implementation	Implementation	The Napa River Sediment TMDL target is to reduce the fine sediment contribution from all watershed channel incision and bank erosion sources by 19,000 metric tons/year (from 37,000 metric tons/year to 18,000 metric tons/year). Beneficial uses designated for the Napa River include: AGR, MUN, COLD, MIGR, RARE, SPWN, WARM, WILD, REC-1,2W, and Navigation (NAV).	2	750,000	1,200,000	1,950,000	<b>Fully Support</b> - More detailed task information is needed in the SOW.
22208	Middle Creek Watershed Road Stormproofing Project	Implementation	The project targets the two TMDLs for Clear Lake, mercury and nutrients. Specifically this project will contribute to the restoration of Clear Lake by reducing the amount of mercury and nutrient transporting sediment reaching the lake and its tributaries by 40 % from the treated roads. The Nutrient TMDL calls for a 40% load reduction for all NPS inputs. The Mercury TMDL calls for a reduction of 20%, with emphasis placed on hotspots. This amounts to a reduction of sediment delivery of 5400 tons due to the project. Beneficial uses of Clear Lake are: MUN, AGR, REC-1,2, WARM, SPWN, and commercial and/or sport fishing (COMM).	5	750,000	51,000	801,000	<b>Conditionally Support</b> - Check the DAC, and who will benefit from this project since they applied for waiver (Is Clear Lake the beneficiary?). Can US Foerst Service increase their match such as in-kind for monitoring (monitoring in addition to the BMPEP and monitor all sites of the project)?

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22241	Negro Canyon Restoration	Implementation	The goal of the Negro Canyon Restoration project is to reduce erosion and improve water quality in support of the Truckee River Sediment TMDL. The Negro Canyon watershed is a tributary to Donner Lake in the Truckee River watershed. Beneficial uses of the Truckee River include: MUN, AGR, Industrial Service Supply (IND), Groundwater Recahrge (GWR), Freshwater Replenishment (FRSH), Power Generation (POW), REC-1,2, Ocean, Commercial, and Sport Fishing (COMM), COLD, WILD, RARE, MIGR, and SPWN. The amount of fill to be removed from sites D-I is approximately 3,750 cubic yards or 5,062 tons. Of this, we estimate 70% is fine sediment because of the volcanic soils in the project area. This gives an estimate of 3,543 tons of fine sediment to be removed from the project area.	6	415,172	138,500	553,672	<b>Conditionally Support</b> - Nedd evidence that sediment is discharging from the Donner Reservoir Dam (DR Dam) into the Truckee River and impacting its beneficial uses. Not clear that is the case and, as such, supporting projects upstream of the DR Dam do not necessarily support the TMDL.
22227	Nutrient Source Reduction in the Rainbow Creek Watershed	Implementation	This Project addresses the Rainbow Creek TMDL for Total Nitrogen and Total Phosphorous . The benefical uses addressed are: REC-1, 2, MUN, IND, WARM, COLD, and WILD. The goal of this Project is the implementation of BMPs to address known sources of pollutants, such as dry and wet weather urban runoff, agricultural return flows, nurseries, and aging or inadequately constructed septic systems. Through the implementation activities, nutrient load reductions are expected to remove on the order of 226 kg of nitrogen and 54 kg of phosphorus. This represents roughly 10% of the nitrogen and 24% of the phosphorus reductions required by the TMDL. In addition to these reductions the septic system maintenance and pumping component will implement added reductions, furthering progress toward TMDL nutrient load reductions.	9	264,057	97,030	361,087	<b>Conditional Support</b> - Remove air deposition monitoring and add more implementation.
Implementation Projects Subtotal					3,968,321	2,648,437	6,616,758	

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22259	Reducing Pathogen and Nutrient Impacts from Dairy and Ranch Pastures that Receive Manure	Planning/ Assessment	This Project target the Tomales Bay Pathogen TMDL. The beneficial addressed are REC-1, 2. The Project goal is to support livestock agricultural water quality criteria and regulation compliance through on-farm implementation of effective Management Measurs (MMs). The end result will be watershed wide MM implementation that will facilitate the attainment of pathogen loadallocations of 200 MPN/100ml in farm and ranch runoff, 95 MPN/100ml in Walker and Lagunitas Creeks, and 14 MPN/100ml in shellfish harvesting waters.	2	125,000	41,667	166,667	<b>Fully Support</b> – Verify whether the Napa River Conservation District can be the grantee and UC Davis the subcontractor to address the site access issue.
22164	Laguna de Santa Rosa Non Point Source Planning Program	Planning/ Assessment	This Project targets the Laguna de Santa Rosa TMDL by addressing nitrogen and ammonia. The beneficial uses addressed are WARM, COLD, FRSH, REC-1,2, and WILD. The Project will lead to implementation of nitrogen and ammonia pollution reduction measures by identifying specific management measures and management practices. This is a Planning Project, therefore load reductions will not be directly addressed.	1	121,830	86,140	207,970	<b>Fully Support</b> - Clarify match and that sediment is not included in the TMDL.
22160	Garcia River TMDL Road Assessment	Planning/ Assessment	This Project addresses the Garcia River TMDL for sediment. The beneficial uses addressed are COLD, MIGR, REC-1,2, AGR, and MUN. This Project will bring 76% of the Garcia watershed under voluntary compliance to control road-related erosion issues. This is a Planning Project, therefore specific load reductions through this Project was not identified.	1	101,200	51,980	153,180	<b>Fully Support</b> – Clarify sediment load from the project area, remove grant preparation work, and address monitoring needs.
22290	San Gabriel River Nurseries, Irrigated Lands, and Open Space Water Quality Improvement Project	Planning/ Assessment	This Project addresses the San Gabriel Rivers Metals TMDL . The beneficial uses addressed are: GWR, REC-1,2, WARM, COLD,WILD, RARE, and SPWN. Beneficial uses in the mainstem also include MUN, IND, and AGR. The goal of this Project is the characterizing the metal contributions of nurseries and irrigated lands to the San Gabriel River, all (100%) of growers participating in the program implementing procedural BMPs management practices, and a 50% increase in river-adjacent nurseries enrolled in the agricultural waiver program. The comparison between baseline and current water quality data has been estimated to potentially show a reduction of 85% in metals pollutant loadings.	4	125,000	45,900	170,900	<b>Fully Support</b> - Include more project monitoring to address air depostion of metals, and tracking mechanism for BMP implementation. More clarification and detail is need in the SOW.

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22326	Upper Owens River Water Quality Project: Assessment and Implementation Measures to Reduce Nutrient Loading	Planning/Assessment	This Project address nutrients in the Owens HU, however there is no adopted/nearly adopted TMDL for the watershed. The beneficial uses impact are not specifically stated, however potentially impacted beneficial uses are Contact Recreation, Non-contact Recreation, Cold Freshwater Habitat, and Fish Consumption. This Planning Project will prioritize implementation to reduce nutrient loads. Load reduction will not be directly addressed.	6	125,000	42,500	167,500	<b>Conditional Support</b> - The Project must meet all USEPA Nine (9) Key Elements of a Watershed Plan. Specifically, Element 7 (Milestones), Element 8 (Criteria for determining load reduction and progress), and Element 9 (Monitoring Component) needs to be included in more detail in the SOW.
			Planning/Assessment Projects Subtotal		598,030	268,187	866,217	
			2011 CWA 319 Grant TOTALS		4,566,351	2,916,624	7,482,975	