

CA B-WET FY15: San Francisco Bay Watershed

GRANT RECIPIENT	PROJECT DESCRIPTION	FUNDED AMOUNT
Friends of the Petaluma River (Student and PD)	<p>“Watershed Classroom” – This project will provide 3 days of faculty training in Project Based Learning and watershed instruction focused on the Petaluma watershed with a field study on the Petaluma River. Teachers will then implement engaging school-year long curriculum about the Petaluma River and Watershed to educate youth in Petaluma about their place in our environment, how their decisions and actions affect their environment and inspire youth to conserve and celebrate the Petaluma Watershed. Students will develop and present information on their projects through the course of the year.</p>	\$52,544
Cycles of Change (Student)	<p>“Blackberry Creek Living Laboratory Sustainability Project” – This project will educate and inspire students to appreciate their watershed through the history of Blackberry Creek including elevated levels of fecal coliform from an abandoned sewer line leaking into a catch basin flowing to the creek. They will use Blackberry Creek as a living laboratory for watershed education including geography, history and ecology; fieldtrip of the creek from headwaters to the San Francisco Bay, observing creek ecosystems at natural, urbanized and restored sites; learn about lifestyle and transportation choices with bicycle field trips to the Bay and Shore Bird Nature Center. Students will present their work and results through at least one public</p>	\$49,758
Bay.org (Student)	<p>“Integrating Watershed Science Education through Trout in the Classroom” - This project will increase and expand implementation of the very effective Trout in the Classroom program to underserved classrooms in the San Francisco Unified School District. We will increase the number of classrooms and expand the program content.</p>	\$57,930
Earth Team (Student)	<p>“Aqua Team” – Aqua Team is an intensive stewardship and leadership project for urban teens focusing on watershed education and action. Through this year-long project, twenty Richmond High School students participate in weekly after school meetings and monthly field events with Earth Team educators and professional site partners. Aqua Team students engage in watershed curriculum that links the health of the students’ local community of Richmond, CA with greater marine and coastal environments. Project activities link to California State Science Standards and the project culminates with participating students designing and implementing a service-learning project on their campus or in their community.</p>	\$48,301
Marine Science Institute (Student)	<p>“Student stewards of Redwood Creek Watershed”- Sixth grade students in Redwood City will build perspectives on their local watershed's connection to the ocean through monthly exploration and hand-on activities including 3 stream studies and 2 canoe-based creek studies. Students will practice the scientific method, develop a hypothesis regarding an aspect of watershed, and engage in marine debris reduction and water quality surveys. High school students will become environmental mentors to 6th graders and lead a teacher workshop sponsored by the county Office of Education.</p>	\$30,400

<p style="text-align: center;">Sonoma County Water Agency (Student)</p>	<p>“Headwaters 2 Ocean Program (H2O)”- H2O is a school year program which provides an experiential, hands-on program for 5th & 6th graders in Title I schools with the Russian River, headwaters, estuaries and lower river as outdoor labs to learn about the river as a regional water resource as well as habitat for endangered coho and threatened Chinook and steelhead. The Water Agency intends for this to become a sustainable component of the Agency's Water Education Program. Teacher training will include use of NOAAs Slippery Sleuth, Ecology by Inquiry, Project WILD Aquatic (Council for Environmental Education) and Project WET, teachers will be trained to raise steelhead and receive a permit allowing transport and rearing. Students will learn the salmonid life history and visit the hatchery to obtain steelhead eggs, grow eggs to fry and release them into approved tributaries. Activities include introduction to watershed ecology, water quality parameters for survival of specified fishes and a question on which water sample could support the fishes. Students will perform water quality testing using provided samples to verify which sample could support the fishes. Fieldwork includes a hatchery visit to learn about hatcheries, water quality data collection at study sites. Subsequent field work will incorporate moving downstream to repeat data collection, observational study of wildlife along with soil samples and analysis.</p>	<p style="text-align: center;">\$40,839</p>
<p style="text-align: center;">Salmon Protection and Watershed Network (SPAWN) (Student and PD)</p>	<p>“Headwaters to Sea Professional development for educators”- The Story of Our Steelhead, will work with every public school in the Ventura River Watershed.</p>	<p style="text-align: center;">\$47,190</p>