

CA B-WET FY10: San Francisco Bay Watershed

Applicant Name	Project Title	Project Description	Total Federal Amount
Turtle Island Restoration Network/SPAWN	Headwaters to Sea Professional Development for Educators Program	Educators will learn how salmon connect the ocean to inland watersheds, how personal choices protect watersheds and wildlife, and learn field and classroom activities to engage students in meaningful learning experiences. SPAWN will engage 130 educators in either a 5-day Summer Salmon Institute and/or one of four 1-day Seasonal Seminars and provide year-round opportunities for teachers to implement Meaningful Watershed Experiences in the classroom through an in-school Salmon Watershed Quality Audit and/or field days in the Lagunitas Creek Watershed.	\$30,159.00
Redwood City for the REAL Program	Redwood Environmental Academy of Leadership (REAL) Program	The REAL Program will provide service learning environmental education to 40 high school students at Redwood Continuation High School throughout the academic year. These students will be trained to provide environmental education to a larger community of 600 Redwood High School students and 15 Redwood High School teachers.	\$30,000.00
Environmental Action Committee of West Marin	West Marine B-WET (WMB-WET) Outdoor Ed in the Watershed	"Outdoor Ed in the Watershed" will educate approximately 60 6 th -8 th grade students and 20 3 rd and 5 th grade students at West Marin School in Point Reyes Station about their local Tomales Bay Watershed. Lessons will focus on watershed science, using a multi-disciplinary, experiential approach to learning which includes history, art, writing and math. Students will learn how the upper watershed connects through Tomales Bay to the Pacific Ocean, and how human activities affect the health of their local watersheds.	\$58,791.00
San Francisco Unified School District	Conservation Connection: An Urban Watershed Project For Underserved Youth and Their Communities	This experiential environmental education program will serve approximately 360, inner city, 4 th – 5 th grade students from 4 schools in San Francisco Unified School District. Students will experience a series of 4 field trips to different natural park sites in San Francisco. The program focuses on coastal and inland watersheds and ecosystems and includes classroom preparation, field studies, restoration projects, professional development for teachers and community outreach.	\$40,479.00

California Institute for Biodiversity	Coast Alive! Land-Sea Interface: A Program for San Francisco Bay Teachers	Through a 6-day intensive teacher institute, 30 middle and high school teachers will experience hands-on professional development opportunities at various California State Parks and East Bay Regional Parks, as well as a correlated, standards-based Coast Alive! curriculum and a Teacher Guide. This institute will give teachers the knowledge and skills to develop a meaningful classroom and outdoor experience that they will implement with approximately 1,500 students at California State Parks, East Bay Regional Parks and other outdoor sites, as available, throughout the San Francisco East Bay Area during the following school year.	\$49,500.00
Earth Island Institute: KIDS for the BAY	School Wide Watershed Action Program	This program will continue to engage students, teachers and parents from Sequoia Elementary School in Oakland in connecting with their local watershed by adopting their local watershed, participating in classroom workshops, field trips to local creeks, San Francisco Bay and ocean habitats. They will use scientific process skills and direct experience in the outdoors with their local creek, the San Francisco Bay and ocean habitats. Students will also implement action projects that will positively impact the health of the sanctuaries.	\$60,000.00
The Regents of the University of California: Lawrence Hall of Science	Youth Research in Oakland Watersheds (Youth ROW)	120 students from Oakland schools will be engaged in a combination of standard-aligned content learning activities, water quality monitoring investigations within their local watershed, and field-based learning experiences within the San Francisco bay estuary of the Farallones National Marine Sanctuary. The project's activities will be offered as after school and extended day enrichment programs, and will be promoted within Lawrence Hall of Science affiliated professional development and after school science networks throughout the Bay Area.	\$59,040.00
San Francisco State University	The Watershed Video Project	<i>The Watershed Video Project</i> is a student created video series produced by high school students. After classroom instruction on watershed topics, students will head out with their watershed camera in hand to investigate and audit their watershed on film. Students will then produce multimedia video presentations that together make a series. Lesson plans will be created by SF-ROCKS and a high school teacher to accompany each film. The lesson plans will guide other students and classrooms to investigate one's own watershed. Each student will receive more than 40 hours of class and field time. The project will produce a minimum of 12 student created videos.	\$60,000.00
New Haven Unified School District – K-5	Bringing Science to Life for Students, Teachers and the Community	This program will directly serve 640 students and 20 teachers in grades K-5. It will energize and engage students to learn science and to protect the environment of the San Francisco Bay watershed. In addition, professional development opportunities will be provided to teachers in the area of environmental/marine science education. This year's curriculum will also include global warming topics for both students and teachers.	\$59,973.00

Exploratorium	Watershed Education Training: Fostering Environmental Experiences for Teachers (WET FEET)	The Exploratorium Teacher Institute will create a professional development program, WET FEET, for Bay Area middle and high school science teachers. The project will focus on strengthening teacher content knowledge around environmental impacts on local, regional and global water systems of 1) marine debris and plastics, 2) erosion and run-off, and 3) invasive species and biodiversity. Up to 45 science teachers will be trained through three annual, one-week, 25-hour summer institutes. The project will also provide professional development for additional middle and high school science teachers during Saturday workshops offered throughout the year.	\$59,958.00
Farallones Marine Sanctuary Association	The LiMPETS Program: Meaningful, Investigative Experiences for Students in Support of Ocean Awareness and Science Literacy	FMSA will continue to augment and improve the quality of supporting classroom curricula and programming for students that relate to the LiMPETS (Long-term Monitoring Program and Experiential Training for Students) program. FMSA will also modify the program to include new activities and programming that inspire ocean awareness and improve science literacy in students. These improvements to the LiMPETS program will advance students' scientific investigation and problem solving skills and will ultimately provide students with a more meaningful educational experience and a lasting relationship with the coastal wilderness.	\$57,050.00
Golden Gate National Parks Conservancy	Watersheds Inspiring Student Education (WISE): Meaningful Watershed Educational Experiences for Students in the Presidio of San Francisco	Project WISE is a place-based, student-centered program that will engage 60 diverse, low-income high school students and 8 science teachers in the understanding, enhancement and restoration of Tennessee Hollow Watershed in the Presidio of San Francisco. The project will connect urban youth and teachers with meaningful watershed experiences by enabling active, constructive participation in stewardship and restoration activities combined with small group, hands-on, investigative projects presented to peers and Park officials.	\$50,000.00
New Haven Unified School District (Logan High School)	James Logan High School: FINS Program, Freshman In Natural Settings	The FINS Project will provide meaningful watershed experiences, fieldwork, service and research learning opportunities and related laboratory experiences for 1000 freshmen biology students annually. This includes a minimum of two field trips—one to a local watershed (Quarry Lakes) and one to an estuarine refuge (Coyote Hills or Don Edwards National Wildlife Refuges). Students will conduct original research and service learning projects which will be showcased through several venues in the Spring. Outdoor experiences will be supported throughout the school year by laboratory experiences in the biology classrooms and integrated cross-curricular lessons in English and Lifeskills classes.	\$52,716.00

Golden Gate Audubon Society	Eco-Oakland Environmental Education Program	A year-round, watershed-wide environmental education program will be provided to third-, fourth- and fifth-grade students, their families, and community members, which enables them to explore and learn about the ecology of the local watershed and to engage them in watershed meaningful restoration. Students learn through hands-on activities in the classroom and on field trips to nearby creeks, wetlands, the San Francisco Bay, and finally to the Pacific Ocean. Families are engaged through weekly family programs and monthly community restoration events.	\$60,000.00
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