

CA B-WET FY17: Monterey Bay Watershed

GRANT RECIPIENT	PROJECT DESCRIPTION	FUNDED AMOUNT
Ventana Wildlife Society (Student)	<p>“MBNMS Watershed Transect Program” – This project will consist of 24 weekly outdoor classes throughout the school year for four different groups, culminating in a six-day overnight camping transect. Program curriculum focuses on the Salinas Valley and the central coast as a primary watershed of the Monterey Bay National Marine Sanctuary. The camping transect component will pull together all aspects of the weekly classes to provide students with the ultimate watershed field experience. Our main partner for this project is Monterey County Office of Education's Alternative Education Program, with the support of the Monterey County Probation Department. A total of 192 youth will be served at an average cost of \$690 per participant. Each class and transect will include one teacher, and either one therapist, probation officer or teacher aid. There will be four teachers that we work specifically with throughout the year.</p>	\$52,000
Elkhorn Slough Foundation (Student)	<p>“Celebrating Our Slough: Connecting Neighbors to the Elkhorn Slough” – The project proposed for the Elkhorn Slough Foundation Elkhorn Slough National Estuarine Research Reserve will build on the existing B-WET funded afterschool environmental education program, Celebrating Our Slough - Connecting Neighbors with the Elkhorn Slough, to engage underserved children and their families living in the Elkhorn watershed. Celebrating Our Slough teaches school children core science principles, connects them with their watershed and draws in their families to share what they learn. Through this dynamic outdoor, watershed-focused afterschool program underserved children experience, appreciate, and better steward the Elkhorn Slough and its watershed, building a foundation for their desire to take action in protecting the greater coastal environment.</p>	\$41,543
One Cool Earth (OCE) (Student and Teacher)	<p>“San Luis Obispo County Watershed Education Project”- The project proposed for One Cool Earth will continue and expand programming within two school districts at seven schools to offer 22 classes of underserved students a 20 hour, 10-part watershed education program focused on hands-on, project-based learning enhanced by field trips. The program will provide experiences to 555 students and will focus on the impacts of ocean acidification. Simultaneously, the program will provide 20 hours of mentorship, training and resources for each of the 16 public school teachers involved in the students' experiences.</p>	\$60,000
Monterey Peninsula Regional Park District (Student)	<p>“Connecting Students to Their Local Watershed: A Watershed Education Program for Students and Professional Development Opportunities for Teachers”- Projects proposed for the Monterey Peninsula Regional Park District will provide programs for K-8 grades, with lessons from the Pacific Grove Museum of Natural History including best practices in watershed education and student based citizen science programs that will allow students to contribute data to their local resource agencies to inform resource management. The citizen science monitoring will take place with experienced professionals and will result in minimum impact on the environment. For example, some of the monitoring programs will consist of documenting litter types and locations and some monitoring will consist of sandy beach quadrats to investigate the animals within that quadrat.</p>	\$58,649
Watsonville Wetlands Watch (Student)	<p>“Green Careers Institute”- Projects proposed for the Watsonville Wetlands Watch will involve 12 participating schools which are each offered 8-week afterschool sessions during the school-year and two intensive 4- week summer sessions, delivered in partnership with the Pjaro Valley Unified School District. Trained high school students serve as mentors to middle and elementary school students, and together they explore the wonders of the wetlands through field trips and classroom-based activities.</p>	\$30,407

<p>San Jose Children's Discovery Center (Student)</p>	<p>"BioSITE Connct" - In partnership with two local High Schools, the San Jose Children's Discovery Museum's BioSITE program implements a full year long field-based study program. Conducted during school hours at local creek sites adjacent to the High Schools, High School students teach and mentor Fourth Grade elementary students who walk or are bussed to the High School. The Pioneer High School program is science elective course with up to 36 High School students and 200 elementary students annually. Leland High School conducts the BioSITE program in four different biology classes for approximately 114 High School students and 225 Fourth Graders. Participating elementary schools commit to transporting their fourth grade students to a local creek for field studies multiple times throughout the school year (5-7 sessions), with devoted teachers supplementing the BioSITE field site visits with classroom learning experiences focused on journaling and reflection.</p>	<p>\$54,947</p>
<p>Social and Environmental Entrepreneurs (SEE) (Student and Teacher)</p>	<p>"Teaching our NextGen Green Infrastructure for Coastal Adaptation"- The project proposed for Social and Environmental Entrepreneurs will teach educators and students about coastal adaptation in response to climate change. Participants will learn the impacts of climate change on coastlines, what coastal adaptation is, how implementation might proceed, and options for integrating green infrastructure into tomorrow's coasts. Concepts will be solidified with hands-on lessons and real world practice. Real world practice will consist of students being shown different examples of living coastlines by working professionals.</p>	<p>\$49,974</p>
<p>San Antonio Union School District</p>	<p>"Study of the Effects of Climate Change on the Lake San Antonio Watershed" - San Antonio Elementary proposes a three-year study of effects of climate change on the Lake San Antonio Watershed. The intention of this place-based project is to foster a conservation mindset in the students, increase understanding of our local ecosystem and its interaction with the ocean, develop critical thinking and specific technical skills, and identify themselves as scientists. Throughout the course of this project, students will collect and analyze data from the water and surrounding land in the Lake San Antonio area, and online sources. Data will include water and soil sample testing, biodiversity counts, as well as weather station data. Some components of this project will include: engineering and building an ROV to collect the water samples, setting up an internet citizen science project using photos from wildlife cameras, researching native plants and animals, and developing protocols for sample collection.</p>	<p>\$55,261</p>