

B-WET

BAY WATERSHED EDUCATION
& TRAINING PROGRAM



NOAA-21st Century Community Learning Centers Watershed STEM Education Partnership Grants

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Objectives of this session



1. Review how STEM-focused funding sources may help support environmental education activities
2. Learn about a pilot partnership between the U.S. Department of Education (ED) and the National Oceanic and Atmospheric Administration (NOAA)
3. Hear from successful project partners about their experiences
4. Opportunity for Q&A

Science, Technology, Engineering and Math: STEM Opportunities to Engage and Inspire

ED STEM Interagency Partnerships

- Offer authentic STEM content and experiences to participating students.
- Build capacity to offer STEM programs going forward.
- Provide opportunities to engage with STEM subject matter experts.
- Effectively leverage the impact of multiple federal STEM education investments.



21st Century Community Learning Centers

- ED's 21st CCLC program provides academic enrichment opportunities during non-school hours for children, particularly students who attend high-poverty and low-performing schools.
- The 21st CCLC program:
 - Helps students meet state and local learning standards in core academic subjects, such as reading and STEM;
 - Offers students a broad array of enrichment activities to complement their regular academic programs; and
 - Provides literacy and other educational services to the families of participating children.

NOAA B-WET

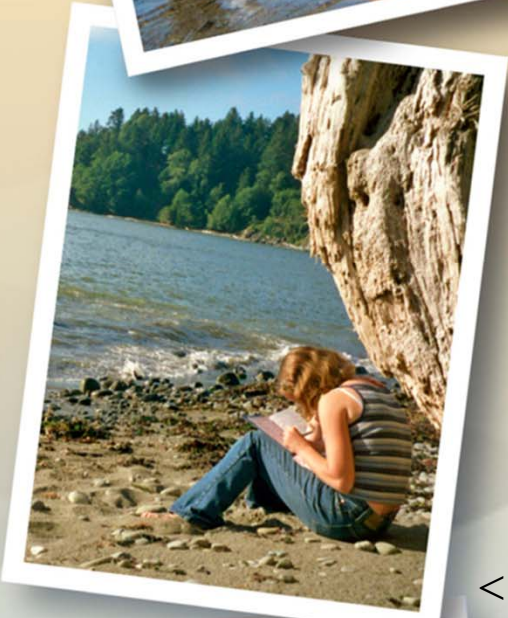


- Supports Meaningful Watershed Educational Experiences (MWEEs) for students and related professional development
- MWEEs are multi-stage activities that include learning both outdoors and in the classroom, and aim to increase environmental literacy

<http://www.noaa.gov/office-education/bwet>

NOAA-21st CCLC Watershed STEM Education Partnership Grants

Grants from the National Marine Sanctuary Foundation support organizations with established NOAA-related environmental education capacity as a result of past work with the NOAA B-WET program.



**NATIONAL
MARINE
SANCTUARY
FOUNDATION**

Program Activities

- Foundation grants support STEM experiences that use components of NOAA Meaningful Watershed Educational Experiences (MWEEs)
- Grantees partner with 21st CCLC sites nationwide

Activities include:

- Hands-on, place-based and watershed-focused STEM experiences for students;
- Capacity building for 21st CCLC staff who will assist with the STEM experiences for the students; and
- Direct interactions with NOAA or other scientists.

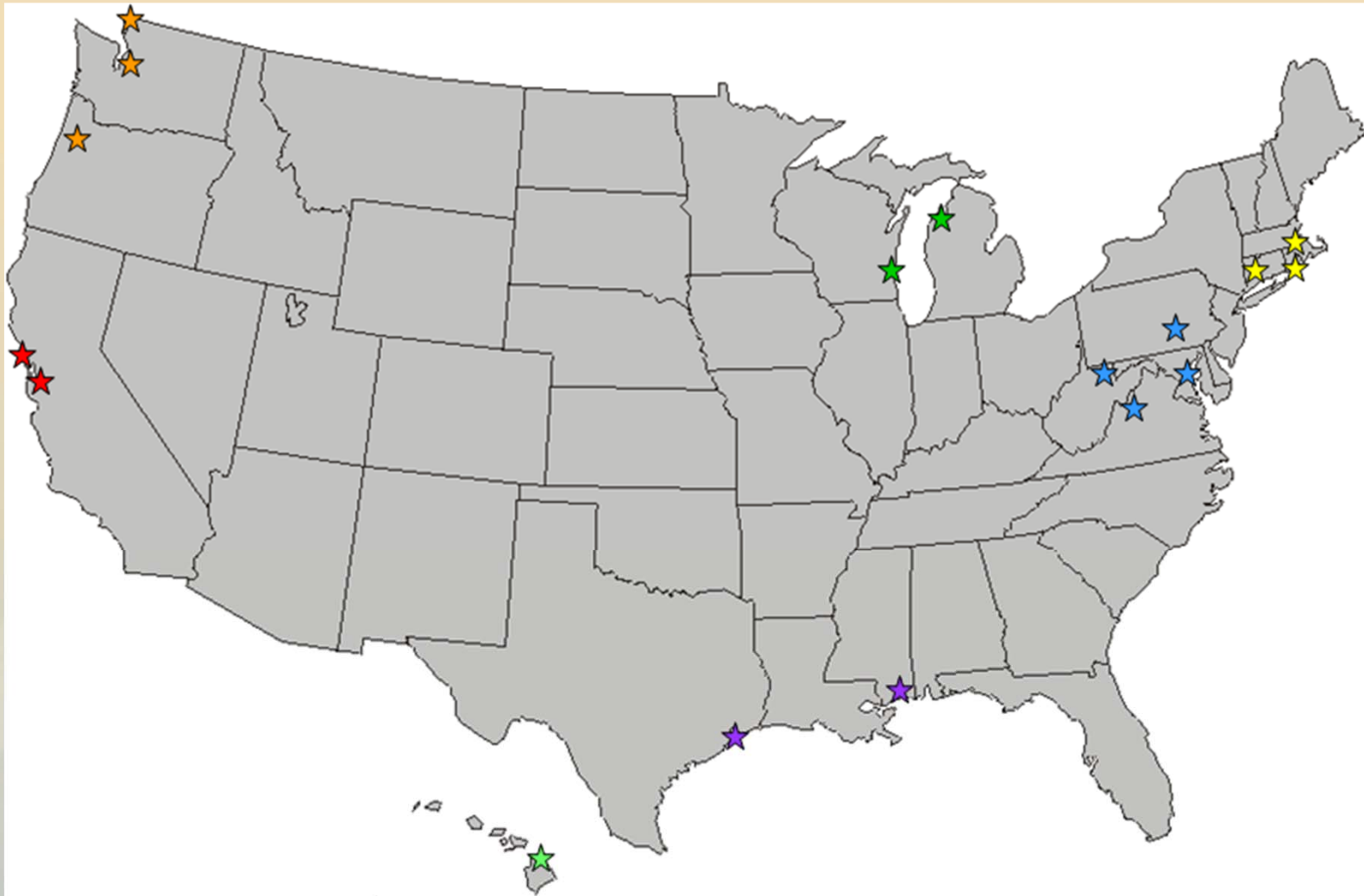
Program Implementation



- **Timeline:**
 1. Spring Phase: after-school projects, March-May 2017
 2. Summer Phase: summer enrichment activities, June-August 2017
- Funding amount ranged from \$20,000 up to \$50,000 for projects serving multiple sites
- Funds went to program delivery and supported all 21st CCLC site participation costs

Funded Awards

<http://www.noaa.gov/office-education/bwet/awards/21stcclcprogram>



2017 Watershed Grantee Panel

EdAdvance (Connecticut)

Abby Peklo, EdAdvance; Tina Jacovino, Waterbury Public Schools

Highlights: Forging new partnerships with 21stCCLCs; overcoming obstacles and building on existing experience/resources

Boxerwood Nature Center (Virginia)

Elise Sheffield, Boxerwood; Gloria Brown, Maury River Middle School

Highlights: Different models for connecting with 21stCCLCs and benefits of collaboration for both EE providers and sites

Artist Boat (Texas)

Amanda Rinehart, Artist Boat; Heidi Cisneros, Clear Creek Independent School District

Highlights: Strategies for, and benefits of, integrating art and science in after-school

See attached Presenter Bios for contact information

WoW! The Wonders of Watersheds

EdAdvance partnered with Waterbury Public Schools



- Environmental Educators worked with 75 happy, engaged, and interested students (grades 3-5) in Waterbury, CT 1-2 times per week in summer.
- Combined field days to ocean and lake with on-site kinesthetic, interactive simulations and activities.
- Taught Watershed Ed & Project WET lessons to 5 lead 21st CCLC teachers, followed by instructional coaching to 15 21st CCLC staff.
- Provided robust educational supply kits to 3 21st CCLC after school sites for teachers to integrate lessons after school in 30 minutes or less throughout the year. Kits included books for quick read alouds.



Students Pursuing Learning *and* Adventure *through* STEM Happenings!

*A joint afterschool 21st CCLC project between Boxerwood Nature Center and
Maury River Middle School (Rockbridge County Public Schools) in Lexington,
Virginia*

Questions?



< *B-WET Gulf of Mexico*