

Completion Report

Parrish, Julia

Period: 2/1/2012 - 1/31/2013

Project: R/OLWC/PD-1 - *Wings of the West Coast: A Key for COASST*

:: STUDENTS SUPPORTED

Beede, Rose, rosebe@uw.edu, University of Washington, Human-centered Design and Engineering, status:new, field of study:Human-centered Design and Engineering, *no advisor, no degree type*, degree date:2014-06-01, degree completed this period:No

Student Project Title: *none*

Involvement with Sea Grant This Period:

Project volunteer/intern

Post-Graduation Plans: *none*

Bessee, Matt, mbessee@uw.edu, University of Washington, Oceanography, status:new, *no field of study, no advisor*, degree type:BS, degree date:2013-06-01, degree completed this period:No

Student Project Title: *none*

Involvement with Sea Grant This Period:

Project volunteer/intern

Post-Graduation Plans: *none*

Doyle, Stephanie, sedoyle111@aol.com, University of Washington, Biology, status:new, *no field of study, no advisor*, degree type:BS, degree date:2012-06-01, degree completed this period:Yes

Student Project Title: *none*

Involvement with Sea Grant This Period:

Project volunteer/intern

Post-Graduation Plans: *none*

Valdez, Stephanie, srv1992@uw.edu, University of Washington, Biology, status:new, field of study:Biology, *no advisor, no degree type*, degree date:2013-06-01, degree completed this period:No

Student Project Title: *none*

Involvement with Sea Grant This Period:

Project volunteer/intern

Post-Graduation Plans: *none*

Yang, Kifer (Chi-Ho), kiferyang@gmail.com, University of Washington, Program on the Environment,

status:new, field of study:Environmental Studies, *no advisor*, degree type:BA, degree date:2012-06-01, degree completed this period:Yes

Student Project Title: *none*

Involvement with Sea Grant This Period:
Project Volunteer/Intern

Post-Graduation Plans: *none*

Zwicker, Samantha, szwicker@uw.edu, University of Washington, Biology, status:new, *no field of study, no advisor*, degree type:BS, *no degree date*, degree completed this period:Yes

Student Project Title: *none*

Involvement with Sea Grant This Period:
Project volunteer/intern

Post-Graduation Plans: *none*

:: CONFERENCES / PRESENTATIONS

No Conferences / Presentations Reported This Period

:: ADDITIONAL METRICS

K-12 Students Reached: 48	Acres of degraded ecosystems restored as a result of Sea Grant activities: 0
Curricula Developed: 0	Resource Managers who use Ecosystem-Based Approaches to Management: 0
Volunteer Hours: 2000	HACCP - Number of people with new certifications: 0
West of the West project. 5,000 program-wide.	
Cumulative Clean Marina Program - 0 certifications:	

:: PATENTS AND ECONOMIC BENEFITS

No Benefits Reported This Period

:: TOOLS, TECH, AND INFORMATION SERVICES

Description	Developed	Used	Names of Managers	Number of
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			Managers
Coastal Observation and Seabird Survey Team (COASST) citizen science program annual report, bird survey data. M/M-2	Actual (2/1/2012 - 1/31/2013) : Anticipated (2/1/2013 - 1/31/2014) :	1 1	Nathalie Hamel (PSP), Todd Hass (PSP), Scott Pearson (WDFW), Greg Schirato (WDFW), Sue Thomas (USFWS), Roy Lowe (USFWS), Heather Renner (USFWS)
A Wing Key of beached West Coast birds for use by the Coastal Observation and Seabird Survey Team (COASST) citizen science program. M/M-2	Actual (2/1/2012 - 1/31/2013) : Anticipated (2/1/2013 - 1/31/2014) :	1 0 1	0

:: HAZARD RESILIENCE IN COASTAL COMMUNITIES

No Communities Reported This Period

:: ADDITIONAL MEASURES

Safe and sustainable seafood

Number of stakeholders modifying practices
Actual (2/1/2012 - 1/31/2013) :
Anticipated (2/1/2013 - 1/31/2014) :

Number of fishers using new techniques
Actual (2/1/2012 - 1/31/2013) :
Anticipated (2/1/2013 - 1/31/2014) :

Sustainable Coastal Development

Actual (2/1/2012 - 1/31/2013) :
Anticipated (2/1/2013 - 1/31/2014) :

Coastal Ecosystems

Actual (2/1/2012 - 1/31/2013) :
Anticipated (2/1/2013 - 1/31/2014) :

:: PARTNERS

No Partners Reported This Period

:: IMPACTS AND ACCOMPLISHMENTS

Title: Washington Sea Grant supports development of an improved field guide and an expanded citizen science program to monitor West Coast seabirds

Type: accomplishment

Description:

Relevance: The Coastal Observation and Seabird Survey Team (COASST) is a highly successful citizen-science effort that delivers vital information about the condition of Pacific Coast seabirds and the coastal environment, while giving participants the opportunity to participate in marine conservation. Nearly 600 volunteers in

Washington and hundreds more in California and Oregon identify the remains of beached birds. Researchers and tribal, state and federal agencies regularly use this data in a wide array of scientific and resource-management projects. Accurate identification is essential for useful data, and wing patterns, which tend to remain intact, are key to identification.

Response: To further enhance the accuracy of its data, COASST set out to improve its volunteer training and materials. With WSG support, it developed and field-tested a more complete and user-friendly wing key for its field guide to West Coast seabirds. The grant also leveraged additional funding for 12 COASST volunteer training sessions.

Results: The new wing key, especially designed for novices, helps volunteers generate better data by distinguishing marine birds from terrestrial birds, resident breeders from migrant species, and common species from closely related rare ones. State, county, federal and tribal resource agencies in Washington, California and British Columbia will also use the wing key.

Agencies, universities and NGOs in the United States and abroad have requested COASST data 34 times in the past two years. The data recently were used to document avian flu in Washington and included in several scientific publications on threats to high-priority marine bird species in Washington. The 12 WSG-supported training sessions qualified 62 new citizen scientists in this vital monitoring program.

Recap:

Washington Sea Grant helped one of the West Coast's most successful citizen science organizations expand its seabird monitoring and improve the accuracy of its data.

Comments:

Primary Focus Area: OLWC (CC)

Associated Goal: Improve ocean literacy and interest in the marine sciences among students and educators, including those in tribal and under-represented communities (CC).

Related Partners:

Clallam County Marine Resources Committee, Northwest Straits Commission

Jefferson County Marine Resources Committee, Northwest Straits Commission

Puget Sound Partnership

Quinault Indian Nation

Surfrider Foundation

The Makah Nation

US Fish and Wildlife Service (US DOI FWS)

Washington State Department of Fish and Wildlife

Washington State University Extension, Kitsap County Beach Naturalists (WSU)

Whatcom County Marine Resources Committee, Northwest Straits Commission

:: PUBLICATIONS

No Publications Reported This Period

:: OTHER DOCUMENTS

No Documents Reported This Period

:: LEVERAGED FUNDS

Type: influenced Period: 2012-02-01::2013-01-31 Amount: \$17017

Purpose:

Print funds for Wing Key insertion into the West Coast Beached Birds Guide

Source: Washington State Department of Fish and Wildlife

Type: influenced Period: 2012-02-01::2013-01-31 Amount: \$11322

Purpose:

Travel and support funds for 8 COASST trainings and talks in Washington State

Source: Washington State Department of Fish and Wildlife

Type: influenced Period: 2012-02-01::2013-01-31 Amount: \$20000

Purpose:

Travel and support (WA only) for COASST trainings, purchasing COASST supplies, improving website capabilities

Source: National Science Foundation (NSF)

Type: influenced Period: 2012-02-01::2013-01-31 Amount: \$20000

Purpose:

Salaries of COASST staff and Executive Director

Source: University of Washington (UW)

Type: influenced Period: 2012-02-01::2013-01-31 Amount: \$2142

Purpose:

Field-testing of Wing Key during COASST surveys, providing comments, mailing/relaying comments to staff

Source: Sea Grant Sponsored Activities' Participants

Type: influenced Period: 2012-02-01::2013-01-31 Amount: \$960

Purpose:

Set up for Wing Key development, sending Wing Key to volunteers for comment, compiling comments, displaying working mock up, testing select attributes

Source: Sea Grant Sponsored Activities' Participants