

OREGON SEA GRANT PROGRAM 2010 NSGO WINTER REVIEW

Jim Murray

Oregon Sea Grant



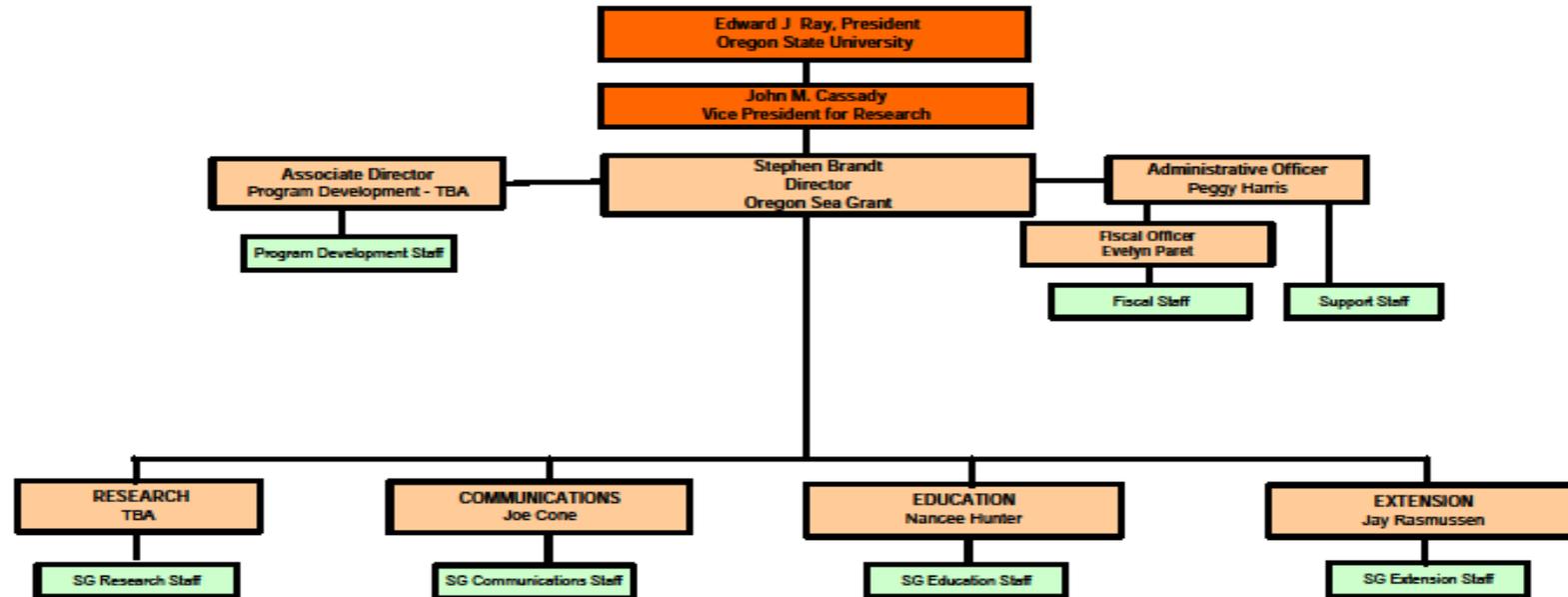
Program Management

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- Leadership Team
 - ▣ Director, Stephen Brandt (1.00 FTE)
 - ▣ Associate Director & Extension Program Leader Jay Rasmussen (.60/.40 FTE)
 - ▣ Assistant Director, Joe Cone (1.00 FTE)
 - ▣ Administrative Officer, Peggy Harris (1.00 FTE)
 - ▣ Director of Education, Nancee Hunter (1.00 FTE)
 - ▣ Fiscal Officer, Evelyn Paret (1.00 FTE)

Program Organizational Chart

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Oregon Sea Grant Organization Chart

Extension Program

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- ❑ Oregon Sea Grant Extension staff dot the 320 miles of coastline with Extension agents and specialists located in Astoria, Tillamook, Newport, Coos Bay/Charleston, Gold Beach, Corvallis and Salem.
- ❑ There are 18 Extension faculty with 12.58 FTE and 5 professional staff with 4.75 FTE
- ❑ Oregon Extension Service provides approximately \$680K annually to Sea Grant
- ❑ Sea Grant Extension appointments co-reside with Extension and Sea Grant and faculty have academic appointments in 8 of the 11 colleges at OSU.
- ❑ Oregon Sea Grant strongly partners with Oregon State University Extension Service with SG Extension Leader actively serving on the Extension Cabinet which provides guidance and leadership to Extension leadership. The SG Program leader and faculty take lead roles on various Extension committees.

Program Management – Advisory Board

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- The citizen Advisory Council provides a consistent, important, and formal source of advice and guidance for OSG and provides continued external review of the program.
- Ten coastal leaders and knowledgeable individuals recommended by the OSG director and appointed by the vice president of OSU Research. The Council was instrumental in the search for a new director, evaluation of research priorities, and continues to play a vital part in OSG's direction.
- The Council met 3 times in 2009.

Institutional Setting

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Oregon State University...

- Oregon State University is a land, sea, sun and space grant university and is the only Oregon university to hold the Carnegie Foundation's prestigious designation reserved for universities with "very high research activity."
- Over 37% of OSU research expenditures are directly tied to marine-related issues or programs with 17 marine oriented entities and nearly \$100M of research annually.
- OSU's provost has appointed Director Brandt to chair a newly created Marine Council and lead the coordination all of OSU's marine activities.

At The State Level...

- As chair of Oregon's Scientific & Technical Advisory Committee OSG Director Brandt plays a vital role in the governor's charge to develop marine reserves within Oregon's Territorial Sea.
- Advising the state on how to "ensure the protection and utilization of Oregon's nearshore resources," OSG Director Brandt leads the effort as the newly elected Chair of the legislatively created Nearshore Research Task Force.

Oregon Sea Grant Program Plan – Estimated 4-yr Budget Allocation by Focus Area

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| National Focus Area | Focus Area from Program Strategic Plan | Estimated Level of Effort of Federal, Match and Leveraged (%) | Estimated Level of Effort of Federal and Match (\$) | Estimated Level of Effort of Leveraged (\$) |
|--|--|---|---|---|
| Safe & Sustainable Seafood Supply | | 23% | \$3,496,054 | \$1,286,285 |
| Sustainable Coastal Development | | 22% | \$3,483,147 | \$1,067,285 |
| Healthy Coastal Ecosystems | | 30% | \$4,078,858 | \$2,059,485 |
| Hazard Resiliency in Coastal Communities | | 24% | \$3,574,871 | \$1,276,493 |
| | | | | |
| Total | | 99% | \$14,632,930 | \$5,689,548 |
| <i>*Non Seafood Bioproduct Research</i> | | <i>*1%</i> | <i>*\$269,063</i> | |

Performance Measure/Outcome

Highlights

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- SCD: Increase number economists and social scientists involved in state spatial planning processes advisors and employees (\$400% from 0 to 4)
- HRCC: Percentage of coastal counties that implement plans to adapt to hazards (70% increase, 5 counties)
- SSS: Percentage of fishermen trained in at sea genetic stock identification techniques (50% increase, 50 trained fishermen)
- HCE: Percentage of Oregon coastal communities that utilize OSG watershed health and water resource planning tools (35% increase, 12 coastal communities)

Major Partners

- Extension Service – OR, WA, UC
- Governor’s Natural Resource Office
- KMUN & KAST Radio
- Lincoln County School District
- National Marine Fisheries Service
- NOAA Climate Office
- NOAA Education Office
- Ocean Policy Advisory Council
- Ontario Ministry of Natural Resources
- Oregon Coast Aquarium
- Oregon Coast Community College
- Oregon Coast Watershed Associations
- Oregon Coastal Caucus
- Oregon Coastal Zone Management Assn.
- Oregon Commodities Commissions
- Oregon Dept. of Fish and Wildlife
- Oregon Invasive Species Council
- Oregon Institute of Marine Biology
- Oregon Public Broadcasting
- Oregon State Legislature Coastal Caucus
- Oregon Water Enhancement Board
- Oregon Water Resources Dept.
- Oregon Wave Energy Trust
- Seafood Consumer Center
- Sea Dwelling Creatures
- Sea Grant Programs at WA, CA, USC, FL, Ill, IN, MO, ME
- Soil and Water Conservation Districts
- South Slough National Estuarine Reserve
 - a NOAA partner
- U.S. Bureau of Land Management
- University of California @ Berkley
- Yurok, Karuk, Siletz, Warm Spring, Grand Rhonde Tribes

Network Activities – 2008/2009

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- Nancee Hunter - Serves on Exec. Comm. on Sea Grant Education Network; Co-Chair of West Coast Governor's Agreement on Ocean Health (Ocean Literacy Action Coordination Team)
- Joe Cone – Member of HRCC Focus Team, National Climate Steering Committee (and Communicators liaison for both)
- Evelyn Paret - Chair of SG Fiscal Officers Network, Member of SGA Network Advisory Committee and Program Mission Committee
- Rasmussen/Brandt - Lead of West Coast Regional Marine Research Planning effort

2010 RFP Process

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Changes made in 2009 provide a more robust external review process which was a suggested improvement from the 2005 national review.

- Pre-proposal review process now includes additional steps:
 - An external review of scientific quality;
 - A Sea Grant faculty review to examine project societal relevance and recommend project elements to improve relevance, and transition of results to the public; and
 - Comments by communications and education experts on how the pre-proposal might better integrate meaningful outreach elements to enhance the impact of projects.
- New full proposal stage include:
 - A key outreach or education point-of-contact devoted to each project.
 - Assistance in development of meaningful outreach components.

63 pre-proposal reviews took place followed by 31 full-proposal reviews by 120 reviewers. There were eight science panel reviewers representing areas of expertise in sociology of natural resources and the environment; oceans and human health; physical oceanic processes; continental shelf and estuarine circulation; fish biology; biological oceanography and zooplankton ecology; wetland ecology; harmful algal blooms. Ten proposals are funded.

Program Metrics – 2008/2009

Awards and Honors

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- Frank Burris - OSU Extension Association's Experienced Faculty Achievement Award in December 2008
- Sam Chan - Epsilon Sigma Phi Early Career Staff Award, December 2008
- John Sherman - Extension Cooperator Award, December 2008
- Sea Grant Communications - Apex "Award of Excellence (Category: One-of-a-Kind Print Publications) for "Complete Guide to Sea Grant, Science, and Life" by Robert E. Malouf
- Sea Grant Visitor Center - 2009 Presidential Coastal America Partnership Award

Highlights of Metrics

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- Volunteer hours: 7,359 [Oregon value @ \$17.90 per hour = \$131,726]
- Total Students supported: 53 (includes 2 state fellows)
- 12,000 student attendees (K-12) participated in Sea Grant marine education programs, camps, lab & activities and 174 (K-12) educators attended SG professional development sessions
- 5950 people participated in 133 SG sponsored extension workshops
- 5003 people attended 84 public extension outreach presentations
- 54 publications produced
- 150,000 visitors to the Visitor Center in 2009. Donations record set.

2008/2009 Research Accomplishments

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- Oregon Sea Grant funded collaborative research that uses commercially active crab pots as substrate or observation instrumentation. Crab fishermen collaborate by setting observation equipment and returning data to the researcher. Results show the ability of observation instruments on crab gear to capture fine scale oceanographic data are helping researchers understand areas of depressed low oxygen that directly affect the crab industry.
- When *Vibrio tubiashii* threatened the commercial oyster industry, OSG dispersed Program Development funds to come up with a solution. Sea Grant researchers developed and successfully tested a water treatment system that uses ultraviolet light to kill the pathogen. The Whiskey Creek Hatchery invested \$100,000 of their own money to install the system and effectively protected their stock. The system has also been installed in Puget Sound hatcheries.

2008/2009 Program Impacts

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- SCD: First Pacific Coast Wave Energy Buoy Tested w/OSG Assistance
- SCD: OSG Played a Critical Role in the Creation of Marine Reserves In Oregon
- HRCC: Tsunami Research and Outreach Reduces Potential Loss of Life
- HCE: Protecting and Conserving Oregon Groundwater Supplies through “Citizen Science”
- HCE: Statewide Invasive Species Education Helps Prevent the Spread of Invasive Species
- SCD: Unique Wet Lab Experience Helps Students Land Jobs
- SSS: Cooperative Research on Oregon Ocean Salmon and Tuna

Best Management Practices

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- Involving extension, education, and communications in proposal selection process. Program funds dispersed only to projects the meet the high standards of our competitive process.
- Regional Research Planning effort directly linked to the West Coast Regional Ocean Governance
- SG Education linkage with Oregon Coast Aquarium, K-12 Ed, HMSC, VC, Lincoln Co. schools
- Integration of social and economic sciences into Sea Grant, state, and regional efforts