

WASHINGTON SEA GRANT PROGRAM 2010 NSGO REVIEW

Jim Murray

Washington State - Geography



Program Management

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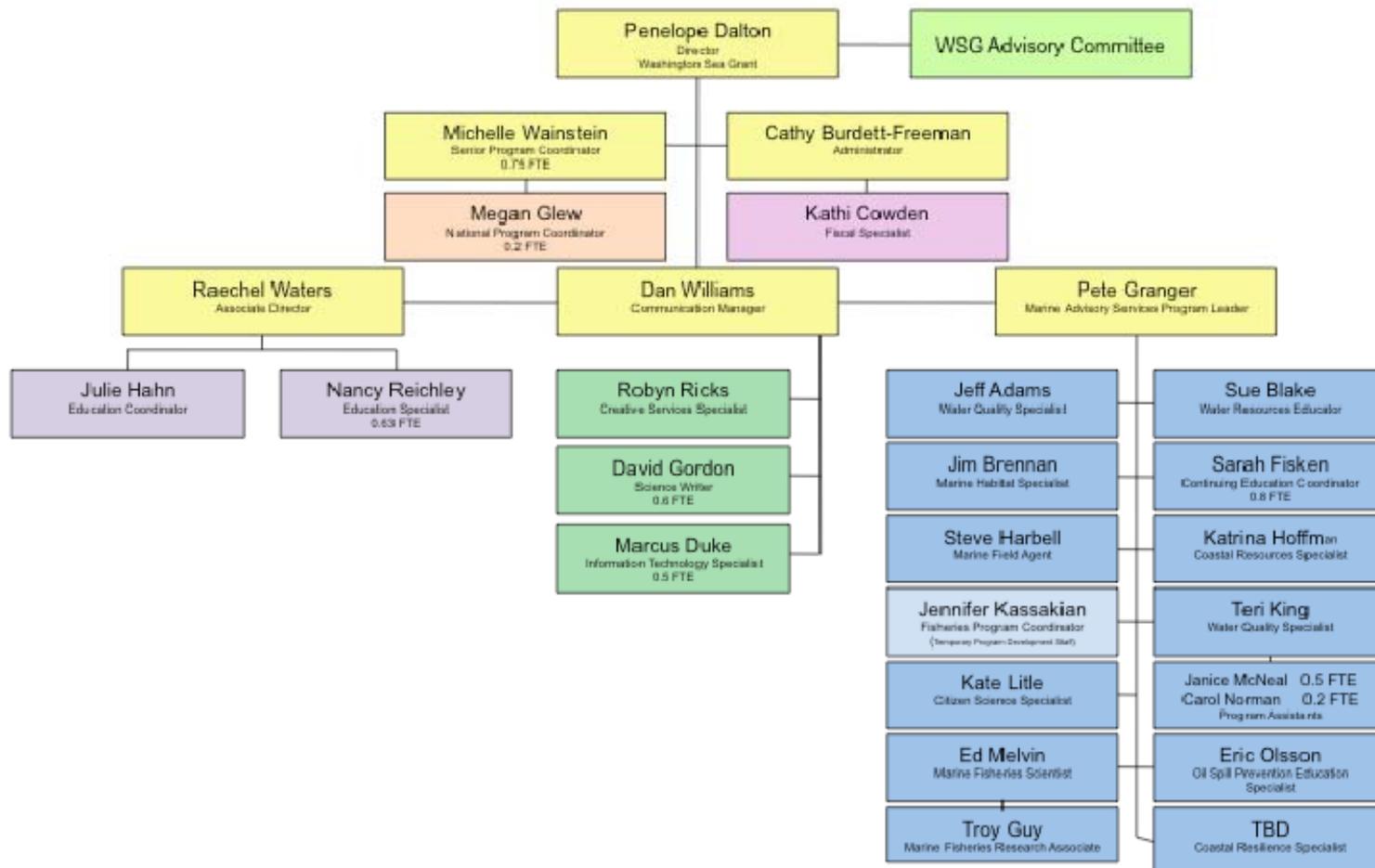
WA SG

□ Management Team

- Director, Penelope Dalton (.9 FTE)
- Associate Director, Raechel Waters (.85 FTE)
- Marine Advisory Service Leader, Pete Granger (1.0 FTE)
- Communicator, Daniel Williams (.8 FTE)
- Fiscal Officer, Cathy Burdett-Freeman (1.0 FTE)
- Senior Program Coordinator, Michelle Wainstein (0.75 FTE)

Program Organizational Chart

WASHINGTON SEA GRANT - Organization Chart
as of November 1, 2009



Extension Program

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WA SG

- ▣ 15 Professional staff
- ▣ 9 Field offices around Western Washington
- ▣ Expertise in fisheries, seafood, aquaculture, aquatic nuisance species, habitat conservation, water quality, coastal community development, oil spill prevention, climate change
- ▣ 27% of total budget

Program Management – Advisory Board

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WA SG

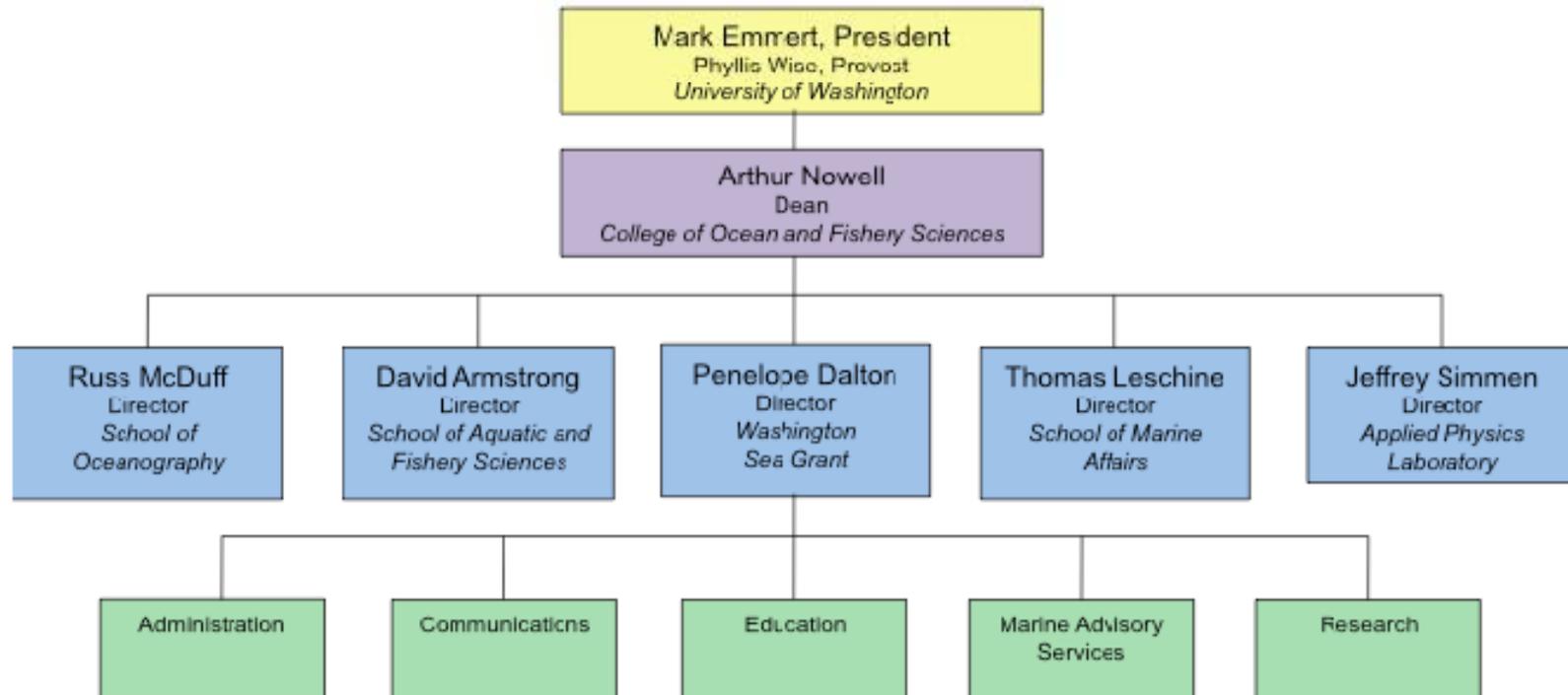
- The WSG Advisory Committee provides general program oversight, direction and advice, contributing to strategic planning and selection of research projects and state fellows. Re-established in August 2006 with bi-annual meetings and membership comprised of 11 key stakeholders and federal and state partners:
 - Clallam County Board of Commissioners
 - Pacific Education Institute
 - Padilla Bay National Estuarine Research Reserve
 - Philips Publishing Group (Fishermen's News)
 - NOAA Northwest Fisheries Science Center
 - The Nature Conservancy
 - Northwest Indian Fisheries Commission
 - Washington Fish and Wildlife Commission (2)
 - Washington Sea Grant (retired)
 - Washington State Senate
 - Washington State University Extension

Institutional Setting (Present)

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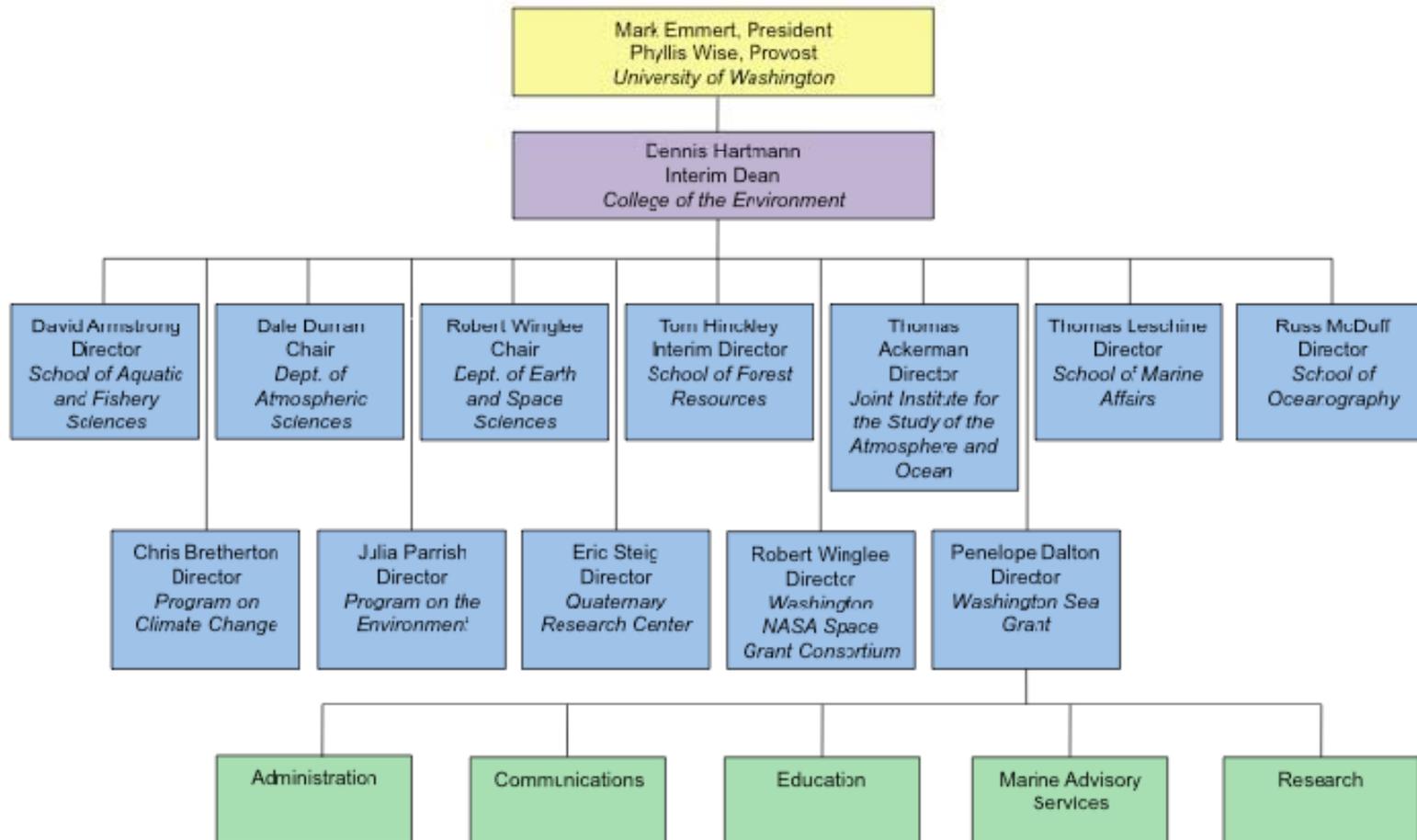
WA SG

COLLEGE OF OCEAN AND FISHERY SCIENCES
Organization Chart
as of January 1, 2008



Institutional Setting (Planned)

COLLEGE OF THE ENVIRONMENT - Organization Chart
anticipated July 1, 2010



Program Plan – Estimated 4-yr Budget Allocation by focus area

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WA SG

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		32%	\$1,642,324	Included in column 3
Sustainable Coastal Development		13%	\$646,115	
Healthy Coastal Ecosystems		48%	\$2,488,516	
Hazard Resiliency in Coastal Communities		7%	\$355,344	
Total		100%	\$5,132,299	
Federal = \$2,620,000 Match = \$1,570,825 Leveraged = \$941,474				Includes geoduck, trade adjustment asst, foundations, etc.

Perf. Measure/Outcome Highlights

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WA SG

- HCE - # of acres of degraded marine or terrestrial ecosystems restored as a result of WSG facilitation, research or outreach (30).
- HCE - # of citizens who engage in ecosystem monitoring or research activities as a result of WSG coordination, facilitation or technical assistance (650).
- SSSS - Economic (market or non-market) and societal benefits (jobs created or retained) derived from fisheries/aquaculture harvest, production, or management models or techniques developed, facilitated or supported by WSG that lead to increased sustainability or productivity of fisheries/aquaculture operations (1 25 jobs/\$2 million)

Major Partners

- Washington State University Extension
- Puget Sound Partnership
- State Ocean and Puget Sound Caucuses
- NOAA - Northwest Fisheries Science Center
- Padilla Bay NERR, Northwest Straits Commission
- Northwest Indian Fisheries Commission and Washington Tribal Governments – Quinault, Lummi, Skokomish & Makah
- Centers for Ocean Sciences Education Excellence – Ocean Learning Communities

Network Activities - 2009

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WA SG

- Penny Dalton, SGA ERC
- Penny Dalton, SG representative on NOAA West Regional Team and PI on SG/NOAA West Climate project
- Penny Dalton and staff, hosted NSGAB meeting
- Pete Granger and staff, hosted 2008 Assembly meeting & Pacific Sea Grant Network meeting
- Dan Williams, Communications Network Chair
- Dan Williams, SSSS Focus Team
- Russ Herwig, HCE Focus Team
- West Coast Regional Marine Research and Information Needs Report

2010 RFP Process

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WA SG

- **Priorities 2010 – 2013 determined by:**
 - WSG Strategic Plan (Living Marine Ecosystems, Ocean and Coastal Environmental Health, Changing Oceans and Coastal Communities, Ocean Literacy and Workforce Capacity)
 - National Sea Grant Strategic Plan
 - Action Plan for the West Coast Governors' Agreement on Ocean Health
 - Puget Sound Partnership Action Agenda and Biennial Science Work Plan
 - Washington State Ocean Policy Work Group's Ocean Action Plan
 - West Coast Sea Grant regional planning process
- Review process relies on independent national and international experts, to assess scientific merit and a WSG staff and Advisory Committee evaluation of the contribution to regional and local needs
- Detailed evaluation criteria – published in RFP and required for external peer-reviews
- 2009 – 1st year an outreach plan was required and is a part of the project evaluation criteria
- WSG staff lead project outreach where relevant

2010 RFP Process

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- Preliminary proposals – 79, \$14M, 10 member pre-proposal review committee of in-state experts
 - 1st year pre-proposals panel convened
 - 36 encouraged to full, 39 submitted
- 3 written peer reviews each, webnibus proposal mngt. system, PI rebuttal
- 8 member Science Review Panel, all out of state, Gene Kim attended
- Science Panel recommended funding for 24 projects (twice the amount of available funding)
- WSG staff and Advisory Board provided recommendations on final 24 projects
- 12 projects selected – 11 new, 1 continuing

2008/2009 Program Metrics – Awards and Honors

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WA SG

- Jeff Adams: Western Regional Panel on Aquatic Nuisance Species; with Terri King, co-chair of the Hood Canal Watershed Education Network.
- Ed Melvin: Participated in FOA Expert Consultation on “Best practice technical guidelines for IPOA/NPOA – Seabirds”; presented ICES keynote on bycatch to the Alaska Fishery Science Center.
- Teri King: Ecosystem Coordination Board for the Puget Sound Partnership; Chair, Pacific Coast Section of the National Shellfisheries Association; Treasurer, Pacific Rim Shellfish Sanitation Association; Co-program chair, Aquaculture 2010 for the National Shellfisheries Association.
- Jim Brennan: President, Pacific Estuarine Research Society; Board member, Coastal & Estuarine Research Federation.
- Katrina Hoffman: Padilla Bay Sustainability Committee, 2008.
- Steve Harbell: 2008 Western Extension Directors Association Award of Excellence.
- Nancy Reichley: West Coast Governors’ Agreement on Ocean Health ‘Ocean Literacy and Education’ Action Coordinating Team.
- Raechel Waters: Northwest Straits Science Team.
- Penny Dalton: Board member, National Indian Center Marine and Environmental Research and Education.
- Pete Granger: Board member, Pacific Shellfish Institute.

2008/2009 Highlights of Metrics

- 38 new and 36 continuing students supported (Knauss, 2 in 2009 and 4 starting in 2010)
- 25 marine education programs, reached 1,836
- 105 adult events reached 3,308
- 196 Public presentations with 5,052 attendees
- 261 radio appearances
- Supervised 2,084 volunteer hours
- 430 students enrolled in WSG-instructed course for college credit

2008/2009 Program Impacts

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WA SG

- HCE/SSS- Work continues with regional and international fishermen and managers to reduce seabird bycatch. Project predicted to save at least 150,000 birds over next 10 years.
- HCE/SSS- 15 acres of shellfish beds restored and more accessible to public and tidal harvestors and homeowners are better educated to deal with water quality issues.
- SCD- SG brokers towboat lane agreements with west coast crab fishermen and towboat companies that increases safety and saves \$1M/year by lowering crab gear replacement needs, reducing towboat repair costs, and minimizing fuel expenses.
- SCD- SG works to expand Clean Marina Program with 18 new Clean Marina certifications in 2008.
- SSS- SG-led research will provide the scientific basis for revising the state geoduck aquaculture regime.
- SSS- State agencies and NGOs use SG models to forecast effectiveness of Olympia oyster restoration efforts.
- HRCC- Climate adaptation training serves needs of local planners.

2008/2009 Research

Accomplishments

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- Discovered glass sponge reefs off Gray's Harbor
 - Thought to be extinct - associated with methane seeps and rich chemosynthetic ecosystem
 - Implications for marine spatial planning, climate change and fisheries
 - NOAA Ship time (2008 & 09)
- Documented natural recolonization of Pacific salmon habitat
 - Restored access to habitat previously blocked by dams, culverts and other barriers
 - Will assist regional managers to identify migration barriers suitable for removal or circumvention

Best Management Practices

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WA SG

- ❑ Building on the logic model, initiated annual work plans, monthly reports and annual reviews.
- ❑ Involved all staff and Advisory Committee in strategic planning and research project selection.
- ❑ Integrated outreach plans into state research projects.
- ❑ Mentored fellows to improve placement and employment opportunities.
- ❑ Partnered with NOAA in research, NOAA science camp, OHH traineeships, training of fish plant monitors and Northwest Indian College MOU.
- ❑ TAT for transition to College of the Environment.