

AK SG

ALASKA
SEA GRANT PROGRAM
2010 NSGO REVIEW

Terry Smith

Alaska Sea Grant

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Program Management

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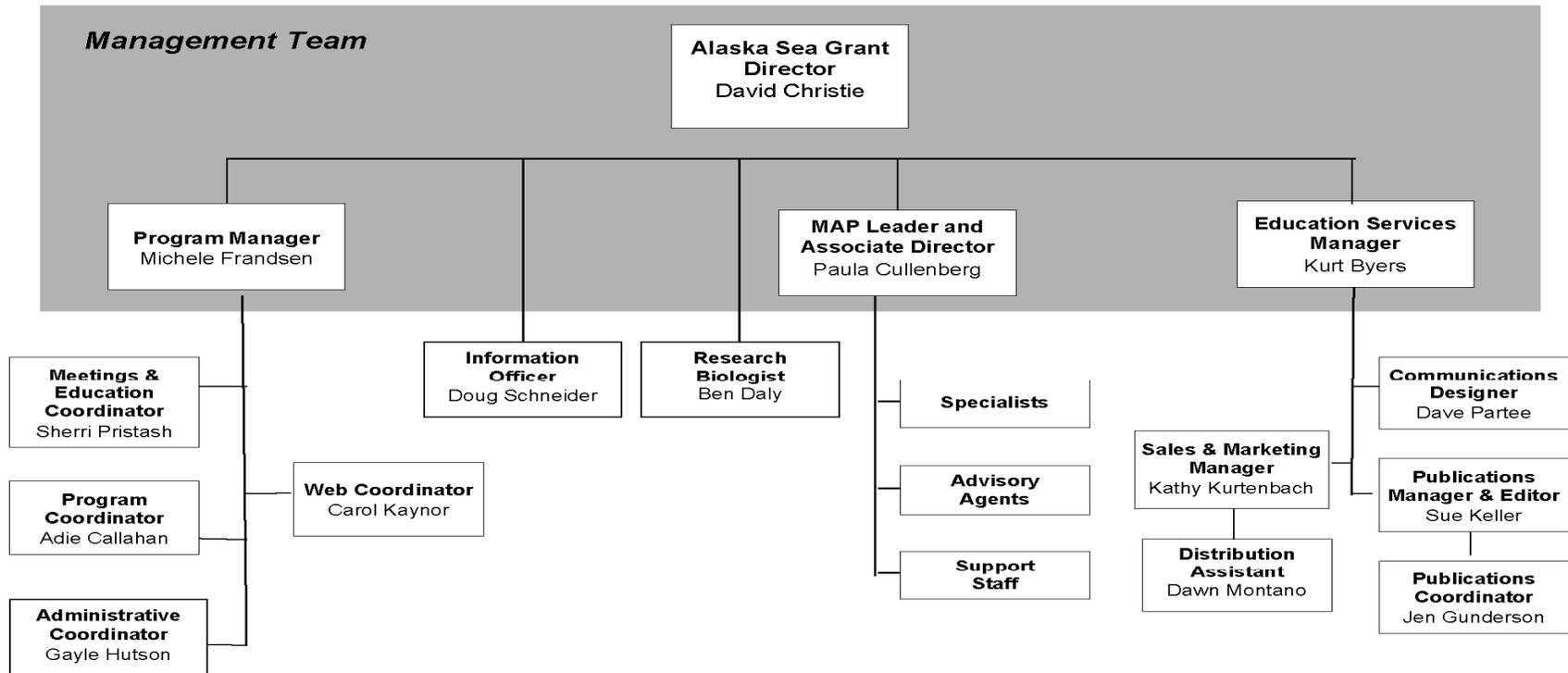
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□ Management Team

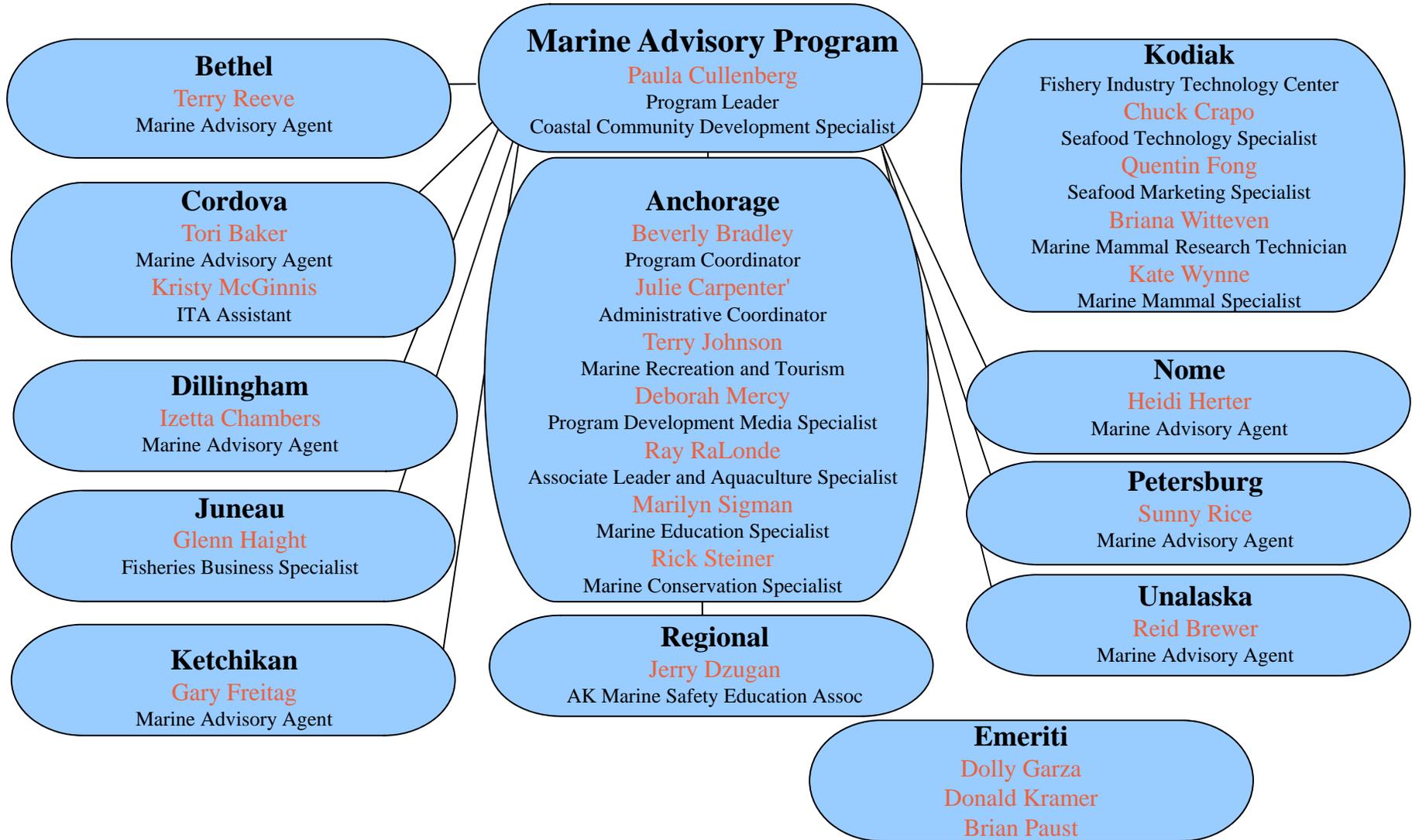
- Director, **Dave Christie**
- Associate Director and Extension Leader, **Paula Cullenberg**
- Education and Communication Leader, **Kurt Byers**
- Program Manager and Fiscal Officer, **Michelle Frandsen**

Program Organizational Chart AK SG

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Extension Program



Extension Program

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Location of Agents

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•Alaska Sea Grant Advisory Board

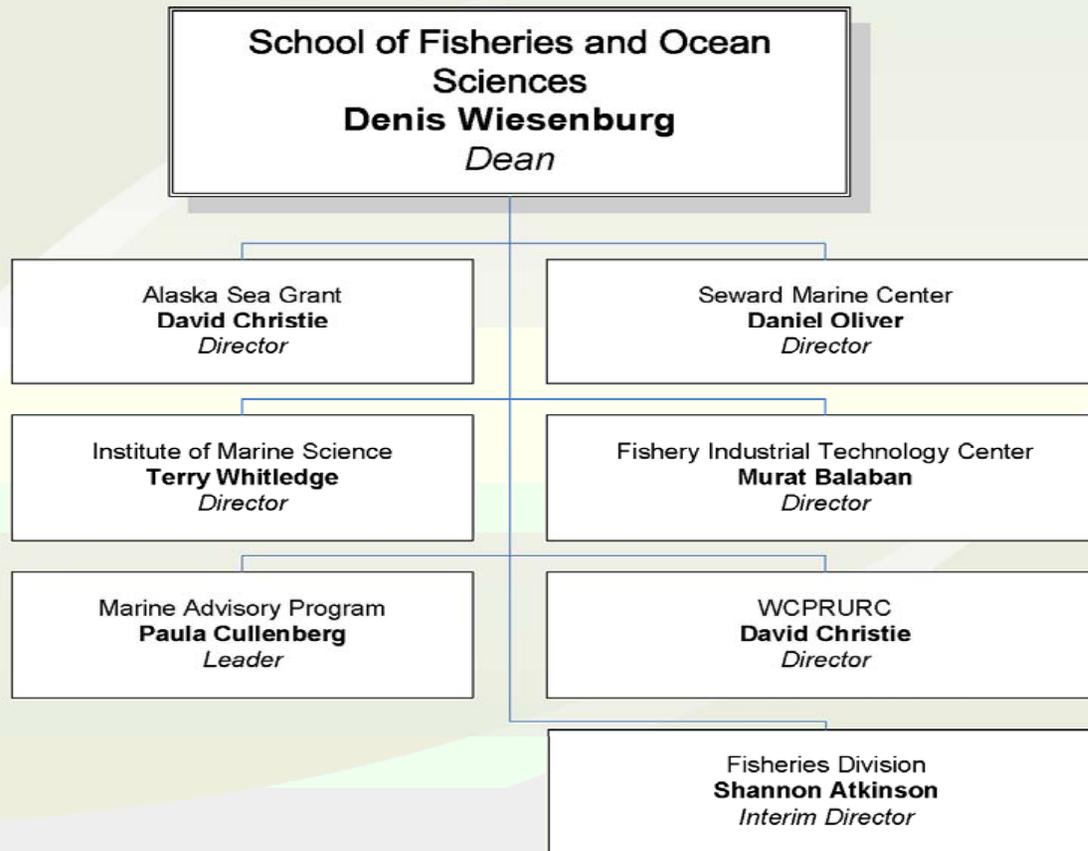
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|------------------|---------------------|------------------|
| Jim Balsiger | Steve Borell | Bruce Bustamante |
| Dorothy Childers | Peggy Cowan | Pete Esquiro |
| Mark Fina | Terry Gardiner | John Goering |
| Rick Harris | Geoff Haskett | Dan Hull |
| Denby Lloyd | Molly McGammon | Henry Mitchell |
| Mary Pete | Dan O'Hara | Fred Schlutt |
| John Shively | Jeff Stephan | Stan Stephens |
| Bill Streever | Arliss Sturgulewski | Joe Thomas |

Institutional Setting

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UAF School of Fisheries and Ocean Sciences



State Sea Grant Program Plan

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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 (\$000) | Estimated Level of Effort of Leveraged (\$000) |
|--|--|---|--|--|
| Safe & Sustainable Seafood Supply | Safe & Sustainable Seafood Supply | 21 | \$1,809 | \$780 |
| Sustainable Coastal Development | Sustainable Coastal Development | 21 | \$1,899 | \$810 |
| Healthy Coastal Ecosystems | Healthy Coastal Ecosystems | 21 | \$1,899 | \$810 |
| Hazard Resiliency in Coastal Communities | Hazard Resiliency in Coastal Communities | 15 | \$1,266 | \$600 |
| | Marine Literacy | 22 | \$2,171 | \$600 |
| Total | | 100 | \$9,045 | \$3,600 |

Performance Measure/Outcome Highlights

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■ Sustained, well-managed and healthy marine, coastal and watershed ecosystems

- Increase understanding of human-induced and natural impacts
- Support healthy marine and coastal ecosystems

■ Diverse and sustainable coastal communities

- Foster diverse and sustainable local economic activity
- Build the capacity of residents to take advantage of economic opportunities

■ Safe, sustainable and sought-after seafood products

- Innovative seafood processing methods
- Seafood quality and safety through research, training and outreach
- Increase value of seafood to industry, communities and consumers
- Increase utilization and value of seafood waste byproducts

■ Commercial, sport and subsistence fisheries remain biologically and economically healthy

- Support research on access-related management decisions and strengthen voice of local and industry stakeholders in the regulatory process
- Improve understanding of fisheries research, increase sustainability in face of climate change

■ Healthy, safe Alaskans and resilient coast communities in the face of marine and coastal hazards

■ Residents and visitors understand, appreciate and safely and sustainably enjoy Alaska's marine and coastal environments

Alaska Sea Grant Partners

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Federal

- NOAA (COP, NOS, NMFS – AFSC, NWFSC)
- USDA, DOC (NPRB, PSMFC), DOEd, F&W, USGS, MMS, NPS, EPA, FDA, NSF
- Centers for Disease Control, CORE/Consortium for Ocean Leadership

Regional

- Arctic Yukon Kuskokwim Sustainable Salmon Initiative, Barrow Arctic Science Cons, Native American Fish and Wildlife Soc, Qawalangin Tribe (Unalaska), Southeast Intertribal Fish and Wildlife, Southeast Regional Aquaculture, Southwest Municipal Conf, Sea Otter and Steller Sea Lion Comm, Tlingit and Haida Tribes, Western Regional Aquaculture

State/local

- Coastal Management Program, CFEC, Cooperative Ext, 7 state departments, ASMI, 19 communities/education departments

NGO/International/Business/Academic/SG/Others

- Many partners (numbers by type – 49 29 108 39 7 10)

2008/2009 Network Activities

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□ David Christie

- Director of West Coast and Polar Regions Center (NURP)
- Director of Kasitsna Bay Lab (NCCOS)
- Board, National Assoc of Marine Labs
- Board, AOOS (observing)

□ Paula Cullenberg, Torie Baker, Sunny Rice

- Fisheries Extension Enhancement

□ Kurt Byers

- National Sea Grant communications leadership

2010 RFP Process

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■ Priorities

- Impacts and adaptation strategies for coastal ecosystems from environmental change
- Improvements in economic viability of coastal communities (adding value)

■ Process

- 33 pre-proposals received and evaluated by senior staff and advisory committee
- 17 full proposals invited, 16 submitted
- Reviewed by technical committee, 6 selected

2008/2009 Program Metrics – Awards and Honors

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□ Research

- Steven Phelps Memorial Award, AFS – Geiger et al., Synthesis of several Sea Grant projects

□ Publications

- *Alaska Coastal Calendar*
 - Assoc for Communication Excellence - silver 2009, gold 2008
 - National Assoc of Government Communicators – first place
- First place, National Assoc of Government Communicators – *Field Guide to Sharks, Skates and Ratfish of AK ...*
- First place, clean boating, Alaska Professional Communicators – *Alaska Seas & Coasts*

□ Extension (Marine Advisory Program)

- 2008 Macy Award (Inst. Of Food Technologists) – outstanding food technology transfer (Don Kramer)
- 2007 Pacific Region Superior Outreach – *Alaska Fishing Business Assistance Program*

2008/2009 Highlights of Metrics^{AK SG}

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- Large staff, geographically dispersed
 - 36 FTEs (14 funded by Sea Grant)
 - 58 individuals (90 if research included)
- Leveraged funds - \$2M
- Publications – 770 (539 media placements)
- Extension
 - 2777 attendees at meetings
 - 964 attendees at presentations
 - 109 meetings/workshops/conferences

2008/2009 Program Impacts

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- Field evaluation of seabird deterrent gear for AK small longline vessels – construction and distribution of lightweight lines, new regs, reduced seabird bycatch up to 80%
- Commercial fishing and outdoor survival – marine safety education program passed to AK Marine Safety Education Association, fatalities have dropped 47%, recent classes in Unalaska, Nome, Petersburg, Cordova
- Alaska Young Fishermen's Summit – 140 new fishermen meet with 50 established fishermen, lectures, panels, group discussions
- FishBiz Workshops – 23 programs aired on University Alaska public access channel w/experts from around state, shows remain online post broadcast
- Southeast Alaska Cold Storage – workshop in 2003, planning book (last ed. 2006), facilities in Ketchikan, Sitka and Peterburg (started in 2007, handled 2M+ lbs, 5 of 6 processors use)

2008/2009 Research Accomplishments

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- Alaska Sea Grant's 24th Lowell Wakefield Fisheries Symposium – published *Resiliency of Gadid Stocks to Fishing and Climate Change* (peer reviewed papers, 375 pp book)
- Alaska King Crab Research Rehabilitation and Biology Program
 - Coordinated and managed by AK SG
 - Alutiiq Pride Shellfish Hatchery – Seward
 - Hatching and rearing wild red and blue king crab
 - Partners include industry, UAF, Oregon St, NMFS, state
 - Survival to 1st juvenile increased from 5% to 50% in 3 years
 - Working with ADF&G on conditions and timing of experiments on rehabilitation

Best Management Practices

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- Using regional team for focal point for information/outreach/education for NOAA and other federal programs
- Subsistence and AK native issues are very important and actively engaged
- Focus on energy costs and value-added in sustainable fisheries
- Preservation of (relatively) pristine ecosystems as well as working waterfronts