

Texas Sea Grant College Program 2011 NSGO Review

Program Officer Gene Kim



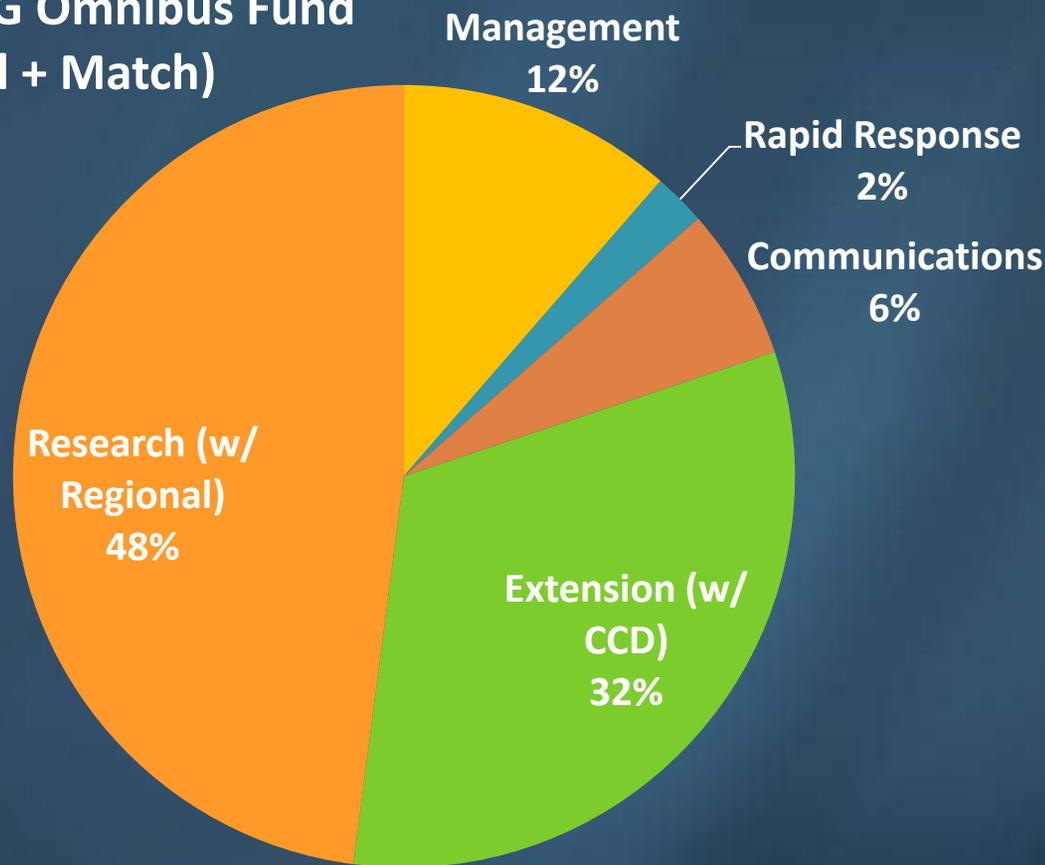
Program Management - Texas

- Robert Stickney, Director (1.0 FTE)
- Logan Respass, Associate Director, Extension Program Leader, (1.0 FTE)
- Jim Hiney, Communicators Coordinator, (1.0 FTE)
- Terry Poehl, Assistant Director, Fiscal Officer (1.0 FTE)
- Vacant, Research Coordinator
- Size of program – Large

Functional Area	# of individuals	# of FTEs supported by SG	# of FTEs supported by match/leverage
Mgt/Admin	5*	1	4
Comm.	3	0	3
Ext.	12	5	7
Education	3	2	1
Research	55	11	3

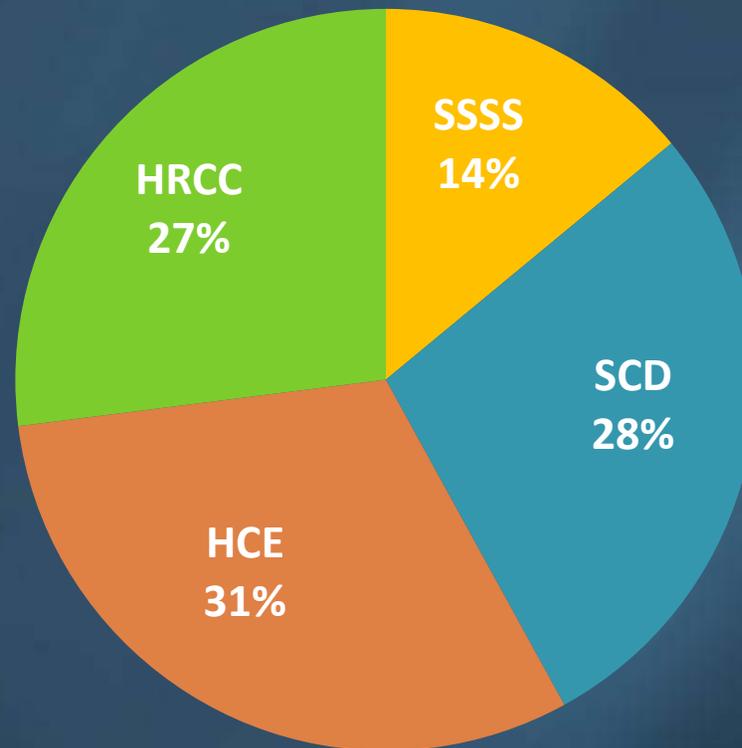
Program Budget towards each Functional Area - Texas

FY 10/11 TX SG Omnibus Fund
(Federal + Match)



Program Budget towards each Focus Area - Texas

Program Budget by Focus Area (2010-13)



Significant Program Changes (since Jan. 2010)

- Recruitment of new Director
- Deepwater Horizon Oil Spill
 - Point of contact for all of Texas Extension
 - Conducted HACCP “Sensory Training” for all Texas seafood processors
- National Ocean Sciences Bowl
 - Assumed NOSB “Loggerhead Challenge”
 - Hosting NOSB 2011 Finals
- Trade Adjustment Assistance for Shrimpers



Significant Program Changes cont. (since Jan. 2010)

- Budget Rescissions
 - 5% from State for current biennium
 - Anticipated 10% additional (could be 20%) in next biennium (Sept. 2011)
 - This could lead to cuts in effort and personnel

Program Requested Changes

2010-2013 Program Plan

- Aquaculture NSIs
- Technology transfer of Coastal Communities Planning Atlas to state agency means less direct involvement by Sea Grant in use of the Atlas by coastal communities for land use decisions, etc.
- CIE-Flow storm surge model deployment for Houston/Galveston delayed due to lack of a real test of the system



State Program Performance Measures

- HCE: Number of communities, natural resource agencies and NGOs who use ecosystem-based approaches in the management of land, water, and living resources in coastal areas as a result of Sea Grant activities.
 - Target 30 coastal communities, agencies including the Texas Parks and Wildlife Department and the GoMex Fisheries Management Council, and NGOs including the Galveston Bay Foundation
 - In 2009: Matagorda County, City of Port Arthur, Texas General Land Office, NOAA CSC, and other NOAA partners.
- Number of acres of degraded ecosystems restored as a result of Sea Grant activities.
 - (Target: 40 new acres per year to total 200 acres over 2010-2013)
 - In 2009, Texas Sea Grant volunteers restored 5,000 acres of degraded dune and marsh habitat, and 30 communities restored degraded ecosystems as a result of Sea Grant activities.



State Program Performance Measures

- SCD: Number of coastal communities that use Texas Sea Grant tools and expertise to aid adoption or implementation of sustainable development practices and policies
 - (Target: at least 5 coastal communities)
 - 2009: Galveston, Houston, League City, the Houston-Galveston Area Council, and Harris County Flood Control, began using the Coastal Communities Planning Atlas to aid planning.
 - In 2009, the City of Houston passed the Urban Corridors Initiative, in part because of a 2006 Sea Grant-hosted, EPA/NOAA Smart Growth Implementation Grant-funded planning charrette that enabled city officials, planners, and community leaders to envision and plan for an urban corridor in Midtown Houston. UCI opens the door for changing development patterns in Houston.



State Program Performance Measures

- SSSS: Economic (market and non-market) and societal benefits (jobs created and retained) derived from the discovery and/or application of new fishery production and management models or techniques that lead to increased sustainability and productivity from the fishery
 - Target: \$200,000; 1,500 jobs (300 per year from 2009-2013), are retained in the shrimp fishery as a result of fuel savings.
 - 2009: 200 jobs saved, \$5,211,605 in fuel savings due to new trawl gear in shrimp fleet.
 - TXSG distributed more than 300 of the new Modified Jones-Davis BRD to fishermen during 32 workshops held from Brownsville, TX to Wanchese, NC.



State Program Performance Measures

- HRCC: Number of coastal communities and citizens who adopt/implement hazard resiliency practices to prepare for and respond to coastal hazardous events.
 - Target: All seven of the major metropolitan areas in the Texas Coastal Zone (as defined by TGLO) with populations of 50,000
 - 2009: Hazard resiliency training in Port Arthur, Beaumont, Galveston, Dickinson, Clute, Lake Jackson, Bay City, Port Lavaca, Rockport, Victoria, Brownsville and Port Isabel.
 - Target: Decision-makers in 15 coastal communities, an average of three per year, have been trained in the use of the Coastal Communities Planning Atlas as a hazard mitigation tool, and in hazard resiliency and response
 - 2009: Houston, Galveston, League City, and Harris County Flood Control. Texas Sea Grant also assisted Port Arthur, Texas, in developing their "Coastal Resilience Index" self-assessment survey.



Contribution to National Performance Measures and Metrics

- Volunteer Hours = 54,606
- 263 SG-Sponsored/Organized Meetings, Workshops, Conferences
- 78 Cumulative Clean Marina Program -- Certifications
- 5,119 Acres of degraded ecosystems restored as a result of Sea Grant activities
- 287 Public or Professional Presentations
- \$1,437,655 in Leveraged Funds (influenced by SG)
- All Focus Areas: Economic (market and non-market) benefits derived from Sea Grant activities:
 - National target = 3,825, TX Jobs retained = 200
- HCE: Number of coastal communities that have restored degraded ecosystems as a result of Sea Grant activities
 - National target = 165; TX SG = 30



Program Impacts

- **HCE: Texas Sea Grant Volunteers Restore 5,000 Acres of Coastal Habitat**
 - The Texas Master Naturalists (TMN) volunteer program has become an integral part of Texas SG
 - A TMN volunteer:
 - Is formally trained with knowledge and “how to” skills .
 - Must complete:
 - 48 hrs of instruction
 - 40 hrs of service.



Program Impacts

- **HCE: Texas Sea Grant Volunteers Restore 5,000 Acres of Coastal Habitat**
- GOAL: Managers have the resources and capacity to undertake restoration projects, do so, and evaluate and adapt as needed. Degraded ecosystems' function and productivity is restored.
- In 2009 TXSG oversaw
 - Certification of 75 new TMN volunteers (join 493 active TMNs)
 - TMN volunteers contribute 36,752 hours (25.8 FTEs), valued at \$766,280 (\$20.85/hr via Independent Sector).
 - Transplanting of 32,346 plants
 - Development of 8.15 miles of nature trails
 - Restoration of >5,000 acres of habitat.



Program Impacts

- **SCD: Leadership Matagorda County (LMC) Develops Community Leaders**
 - GOALS: Local communities have information and techniques to enhance waterfront-related economic activities & protect the health of the natural coastal environment. Coastal communities engage in visioning, resource inventories, analysis of development policies & education of community leaders and citizens. Communities able to analyze the impacts & benefits of alternative development scenarios on coastal resources & economies.
 - Launched to identify and develop future community leaders and foster new approaches to local issues.
 - Leadership training & strategies with idea experimentation in:
 - smart growth
 - hazard resilience
 - nature tourism
 - community inventory and more
 - Fifteen LMC graduates joined a growing leadership base who have the knowledge, skills and desire to serve in leadership positions and help shape the futures of their communities through the Chamber of Commerce, city and county government, etc.



Program Impacts

- **Education: Floating Classroom Program (FCP)
Relocates and Increases Enrollment by 209 percent.**
 - GOAL: People of all ages understand coastal, ocean and Great Lakes environments and the need for stewardship of healthy ecosystems.
 - FCP is an exploratory educational program that includes a boat trip, a marine biology primer, and hands-on demonstrations, all aligned with state educational curricula.
 - To increase enrollment, FCP relocated to Corpus Christi, TX, (May 2009)
 - 160 trips for 4,025 participants (1,300 total in 2008).
 - 25 teachers attended workshop and incorporated the program into classroom lessons.
 - Partnership was formed with The Governor's Academy for Teaching Excellence Program.



Program Impacts

- **SSSS: Additional Seafood Markets Opened through Sustainable Fisheries**
 - GOALS: Domestic seafood industry harvests and produces seafood responsibly & efficiently. Consumers make choices in seafood purchases that support safe, valuable & sustainable seafood industries. Seafood availability & profitability increases
 - Many markets closed to fisheries that have not received Marine Stewardship Council (MSC) or similar labeling
 - Formed Sustainable Fisheries Partnership (fishers, buyers, experts) to explore/innovative Gulf shrimp fishery sustainability
 - TXSG working with industry and a national conservation group to assist wild-caught shrimpers achieve MSC type labeling.
 - In August 2009, Western Seafood signed an agreement with “Clean Fish” to begin marketing their product.

2009 Research Accomplishments

- **SSSS: “Skewed-Style” Propellers Demonstrate Significant Fuel Savings Aboard Shrimp Vessels**
 - Fuel costs are a major expense for gulf shrimp trawlers.
 - TXSG research reveals a minimum 6.1% fuel savings by converting to a “skewed-style” propeller.

● Traditional “Kaplan” Type



● Fuel Efficient “Skewed” Type

