**AOOS 2013/14 Funding for Modeling Efforts**
**Marine Operations**

WRF Wind Model ($100K)
- Maintain operational WRF model with daily model runs for GOA, PWS and Cook Inlet domains

ROMS Circulation Modeling ($100K)
- Validate PWS ROMS forecasting system for 24/7; incorporate new hydro model
- Maintain & validate real-time PWS ROMS forecasts, add Bering Sea

Cook Inlet Modeling ($0)
- Continue facilitating the Cook Inlet Modeling Working Group to help modelers network, integrate, and advance forecast models for wind, waves, and ocean circulation
- Support NCOS development of Cook Inlet circulation model

SWAN Modeling for Cook Inlet ($0)
- Continue partnering with Texas A&M University to maintain wave model for PWS and Cook Inlet

NCEP Model for Beaufort Sea ($35K)
- Use wave data from bottom mounted pressure sensors to validate fall NCEP wave forecasts

**Ecosystems, Fisheries and Climate Trends**

Hydrological model validation for PWS ($32.5K)
- Identify influence of rainfall on freshwater input, validate w/ clearly defined inputs
- Complete model validation, provide data to ROMS modeling effort

Downscaled Climate Models (funding through STAMP project)
- Develop downscaled models for entire AK coast (winds, sea surface temp, precipitation, ice)

Ocean Acidification Forecast ($100k)
- Develop numerical model for GOA identifying areas most vulnerable to OA

NPZ Model for PWS ($0k)
- Maintain model developed by Fei Chai at U of Maine

Chinook Salmon Run Timing Outlook and Forecast in the Yukon River Delta