



# POA/POD Response To Climate Change Program



Coordinating Coastal & Ocean Monitoring: Collaborations between the US Army Corps of Engineers (USACE), Alaska Ocean Observing System (AOOS), and Others  
August 10, 2010



# Background



Alaska District has been engaged in climate change initiatives and inter-agency committees for several years.

- District is One of Seven USACE Region Leads for a Response to Climate Change
- District has participated in the State of Alaska Climate Change Sub-cabinet
- Alaska District is member of the Alaska Climate Change Executive Roundtable





# Scope of RCC Program in Alaska

Develop a framework for launching a Climate Change Program in AK District

Prioritize and execute studies/projects

- Data Collection & Updates
- Analysis & Trends
- Defining Project Criteria

Bottom line is executing our program poised for forecasting future conditions in a collaborative and efficient manner



# RCC Program Initiative Proposal

## Data Collection & Updates

### H&H

- Update the USACE Ice Manual
- Climatologic data to assess state hydropower needs
- Bering Sea Wave hindcast model
- Wave forecasting based on ice retreat
- Harbor-net data collection
- Update Ground Snow Load Calculation

### REGULATORY

- Wetland trend analysis for Anchorage/Mat-Su
- Wetland Baseline data for Fairbanks





# Proposal to IWR includes:



## Opportunities for Collaboration

- Re-establish the Alaska Engineering Design Information System (AEDIS)
- Arctic Near shore Fish Inventory
- Situational awareness of other agencies ongoing or planned efforts to either support or utilize databases



## **Develop Framework for Response to Climate Change Program at POA**



Vision is that Alaska District will establish a plan that, in addition to supporting program execution, could greatly assist agencies with climate change issues ranging from habitat to infrastructure concerns.