Climate Change Impacts in the Southeast and the U.S. Navy’s Response

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Not Just Talking…

"You don't really believe that rising ocean stuff?!

GLOBAL WARMING

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Task Force Climate Change

Science-based approach, cooperative partnerships, risk assessments
Climate Change Strategic Concerns

- Climate Impacts
- Security
- Infrastructure
- Arctic

Risk Assessments
Partnerships
Plans & Policy
Preparedness
Resilience
Responsiveness
Readiness
Strategies
Methodologies
Navy Sea Level Rise Concerns

Challenges
- Infrastructure
- Mission capabilities
- Training & testing lands
- Transportation means/facilities

Physical Impacts
- Inundation
- Wetlands
- Erosion patterns & rates
- Surface/ground water supplies
- Water tables
- Tidal flows & currents
- Storm & flood damage

Opportunities
- Adaptation partnerships
- Recapitalization incentive

Directly impacts readiness, strategic access, & influence
DoD Efforts to Provide Solutions

- Vulnerability Methodologies
  - Coastal Screening Level Assessment

- Long Term Climate Prediction
  - Earth System Prediction Capability

- Local Sea Level Rise Scenarios
  - DoD Regional Scenarios Due May 2014

- Proven Partnerships and Effective Leadership

It’s all about Readiness … today … and tomorrow
Navy Facilities

[Map of Navy facilities across the United States, with a focus on Norfolk area.]
USN Hampton Roads

From USN Hampton Roads Vulnerability Assessment
Long Term Climate Prediction

ESPC: A unifying NATIONAL effort → one “BEST” prediction for all
Who Decides If & When to Act?
Questions?