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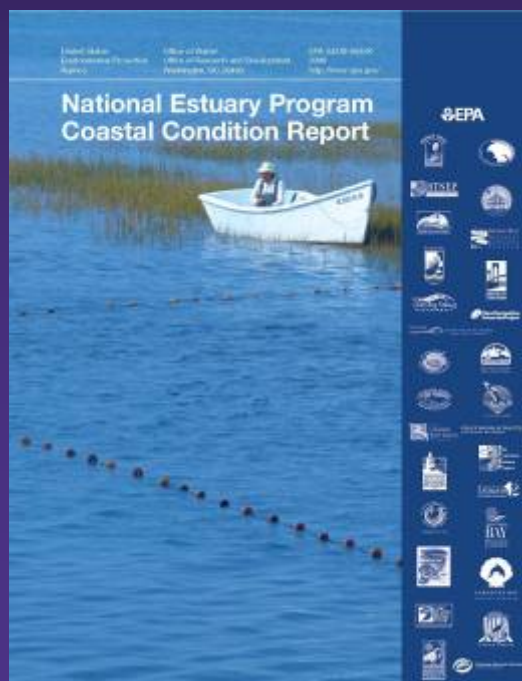
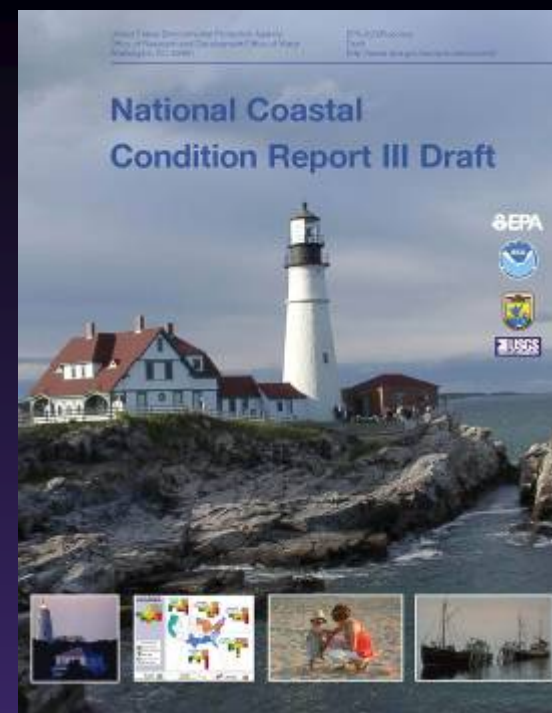
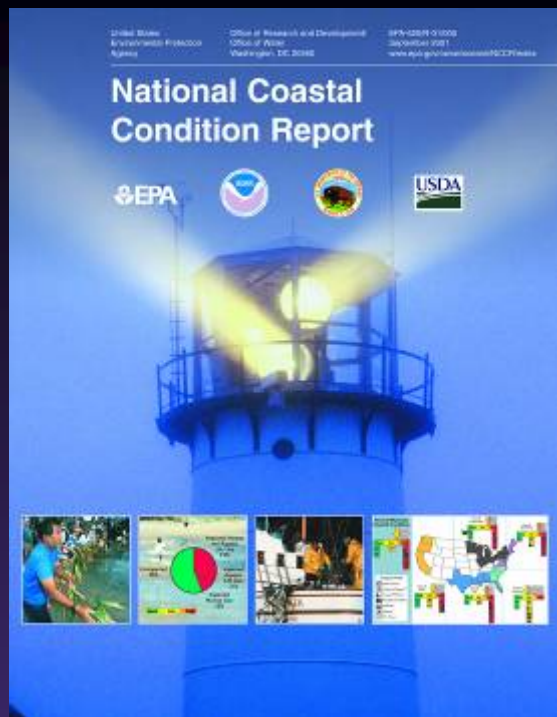
Understanding Estuarine Condition---Research and Logistical Challenges for the 2010 Survey

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EMAP Symposium

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Assessing Estuarine Condition at Multiple Scales



National Coastal Assessment

- Assessments in all 24 states-- some since 1987, until 2006
- Cooperative agreements with each state on annual basis
- NCCR III reports on NCA data from 2001→2002
- NCCR IV will report on NCA data from 2003→ 2006 in 2010

National Estuary Program

- Office of Water supported NCA efforts in 1999-2001 to assess ~35-50 stations in each NEP
- Resulted in *NEP Coastal Condition Report* to be released shortly



Monitoring Initiative- Objectives

- Strengthen State monitoring programs by providing new funds to states to develop and implement monitoring strategies
 - Integrate tools to support more efficient use of monitoring resources

Monitoring Initiative- Objectives

- Assess the condition of all of the Nation's waters and changes over time
 - Create partnership among federal, state and others to cost-effectively survey the Nation's waters
 - Provide information, with documented confidence, on the extent of water quality problems and key stressors across the country to support decision making

Survey of the Nation's Waters

Coastal
Streams
Lakes/
Reservoirs
Rivers
Wetlands

FY06 FY07 FY08 FY09 FY10 FY11 FY12

Lab,data	Report	Research	Design	Field	Lab,data	Report
Report	Research	Design	Field	Lab,data	Report*	Research
Design	Field	Lab,data	Report	Research	Design	Field
Research	Design	Field	Lab,data	Report*	Research	Design
Research	Research	Research	Research	Design	Field	Lab,data

Monitoring Initiative - Current Allocation of Funds

- Provide \$9.8M in 106 grant for improved monitoring programs and state priorities
 - Provide each State \$170,000 annually for program enhancements outlined in state monitoring strategies

Monitoring Initiative - Current Allocation of Funds

- Provide States and Tribes \$8.4M in 106 grant to participate in statistically-valid surveys of the Nation's waters
 - \$8000 per site for regional/national scale survey in lower 48
 - \$400K set aside to build survey capacity in AK, HI, trust territories

Issues: Coastal 2010 survey

- Cooperative agreement vs. grant
- Coastal/marine agency vs. Section 106 grant agency
- Scale--National, regional, state estuary reporting
- Sample design- simple/stratified
- Sample frame- where and how many samples
- Interface with wetlands-subtidal vs. intertidal

Issues: Coastal 2010 survey

- Tidal break to estuary mouth?
- Coverage- Alaska, Great lakes, Trust Territories
- \$4K/site NCA (2,000 sites) vs. \$8K/site Section 106 grant (1,000 sites)
- Equipment and staff capacity after 4 year layover
- New/modified NCA/NCCR indicators and variables
- Others ??

Coastal Planning Workgroup

- Commence national workgroup beginning in Spring 2008
- Federal, State, Territory, watershed and NEP representatives to answer these and other issues
- Allocate resources for coasts in 2009 for 2010 assessments
- Contact me (burgan.barry@epa.gov) or Virginia Engle (engle.virginia@epa.gov)

