US ERA ARCHIVE DOCUMENT

# Myths, Hobgloblins and Crusades: EMAP Through the Ages

presented

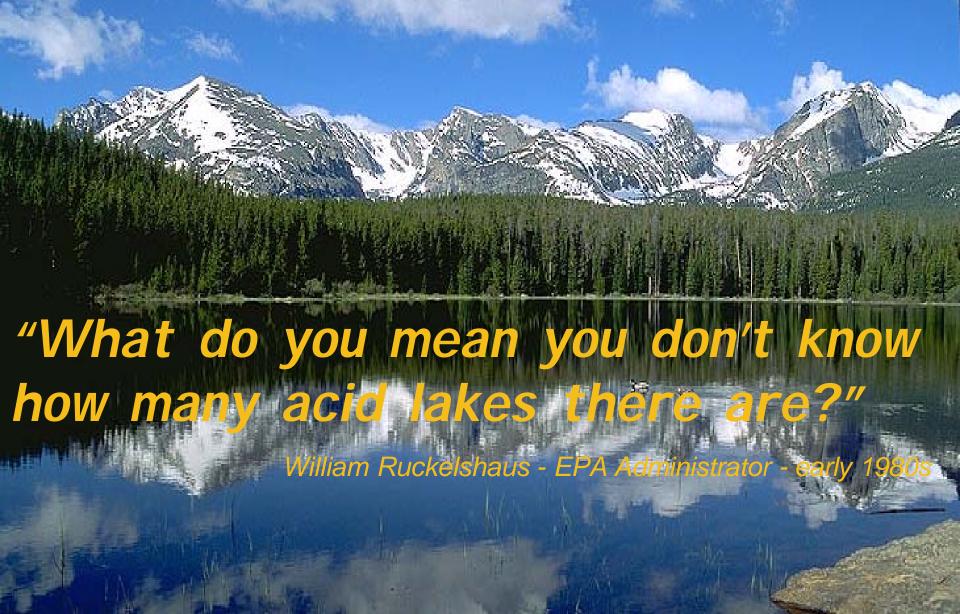
by

Steve Paulsen and Kevin Summers

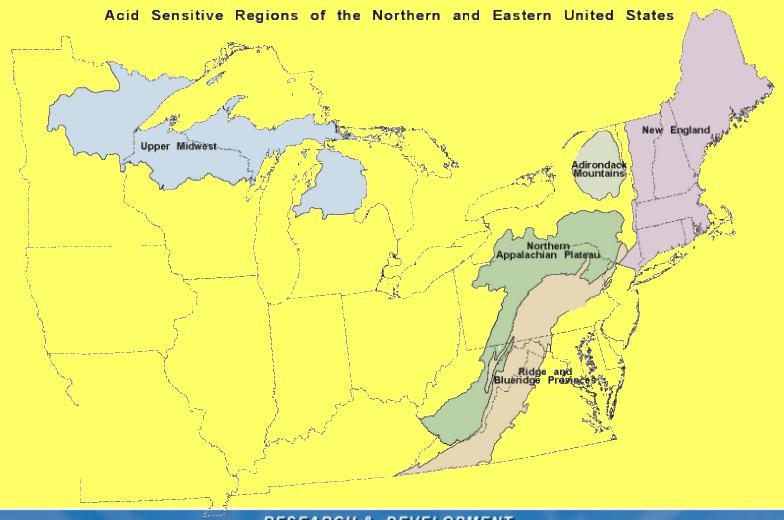
U.S. Environmental Protection Agency



#### Policy Questions Are Often Very Simple

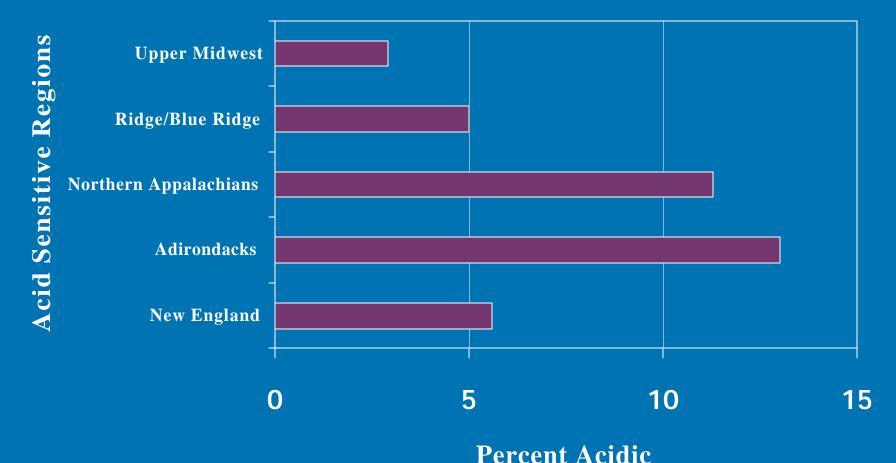


### NAPAP National Surface Water Surveys



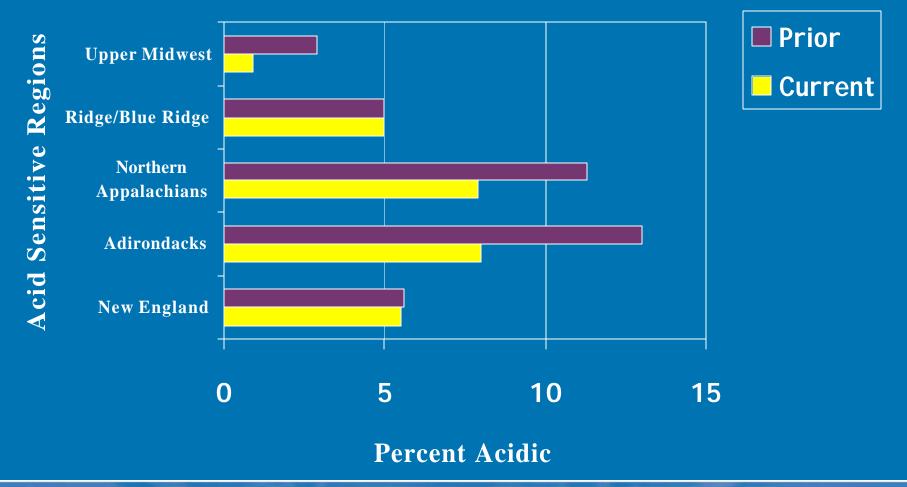


#### NAPAP-NSWS Survey Results Answering Ruckelshaus' Question





## NAPAP-NSWS Survey Results Answering Ruckelshaus' Question





## Lesson #1 - Not all "Experts" are expert in all things

"That's a stupid question and one that you can't possibly answer."

Chair of NRC Indicator Panel







Myth #1

It takes a great idea to start a great organization





## Thursday Night Pizza (conceptualization)

- Nearly 1 year in duration
- Thursday nights 6pm-10pm
- Continuing members: Linthurst, Holland, Summers
- Would add people depending on topic
- End result: Qutline of a program (nameless)
- Next step: create followers



## "EcoSynthesis" The Very Early Stages of EMAP

"There are plenty of data out there to know what is going on in the environment and what our major problems are. Do the hard work and synthesize it!"

Conventional Wisdom



## Lesson # 2 Conventional wisdom is just that, conventional, and seldom leads to important breakthroughs.

- >The data were not there to provide unbiased estimates.
  - ✓ lack of appropriate indicators (e.g. forests) and
  - ✓ lack of an appropriate design (e.g. inland aquatics).
- > We discover we will have to collect the data ourselves!



#### Early Partnerships





#### Partnerships

OEPER and OMMSQ (remember those organizations???) continue the often painful process of working together

ORD starts the very challenging process of partnering with other federal agencies, States and Tribal Nations.

Cost estimates for fully implemented program escalate to \$100M - Yikes!





If the idea is a good one, move forward in confidence (not arrogance), in spite of the critics & apparent challenges!





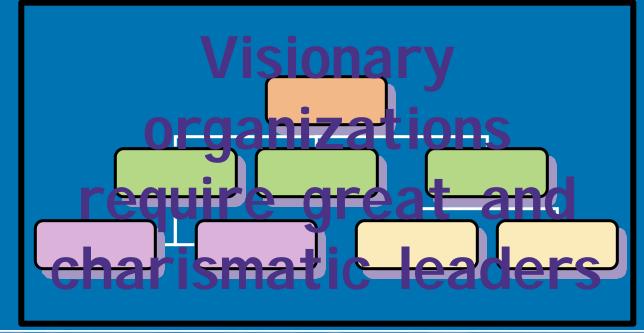


#### **Ecosystem Types and Turfs**





Myth #2





#### Leadership (10 in 10)

Gil Veith

Rick Linthurst

Jay Messer

Ed Martinko

Tom Murphy

Sidney Draggan

Rick Kutz

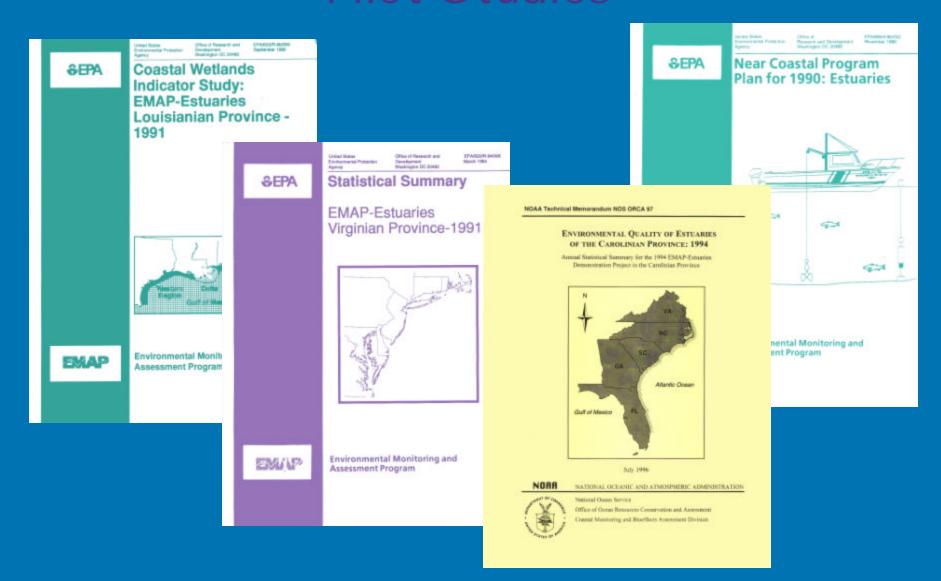
Matt Bills

Mike McDonald

Steve Paulsen



#### Pilot Studies



#### Peer Review

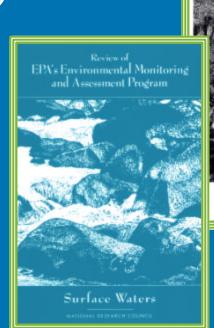
Most reviewed program in ORD

Example - Coastal (NRC)

28 Recommendations

26 Positive

2 Negative

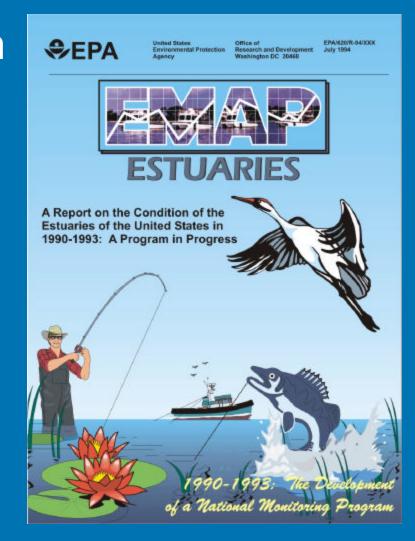






#### Original First National Coastal Report

- Overall condition from Virginian and Louisianian Provinces
- Ready to go to press
- PreliminaryAgreement betweenNOAA and EPA

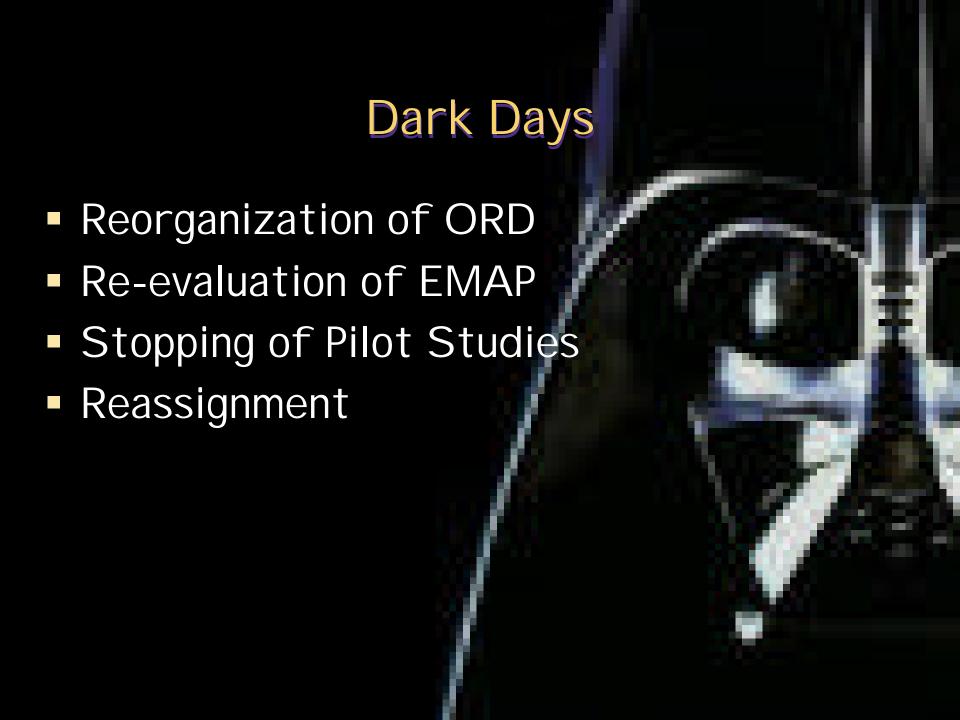




Myth #3

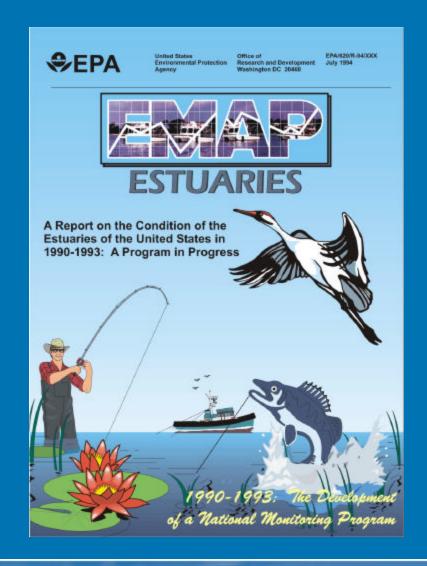
Visionary organizations are great places to work for everyone





#### Original First National Coastal Report

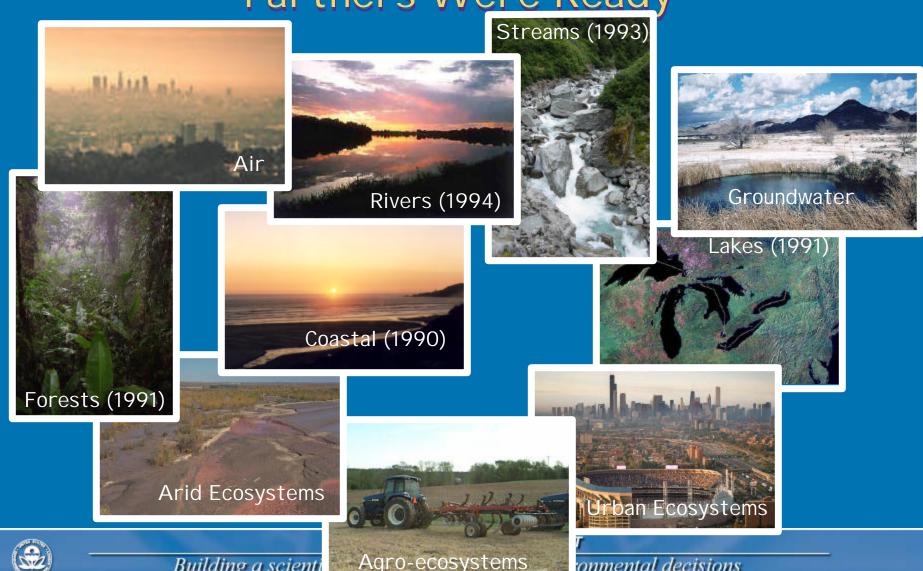
- Stopped as part of reorganization
- Published electronically by OW
- Shelving of Coastal







Early EMAP Resources Groups Targeted Regions Where Federal or State Partners Were Ready



onmental decisions





After solving all the tough problems, Dixon discovers low hanging fruit!

### Lesson #4 - Low Hanging Fruit

Whatever you do, get the lowhanging fruit FIRST!

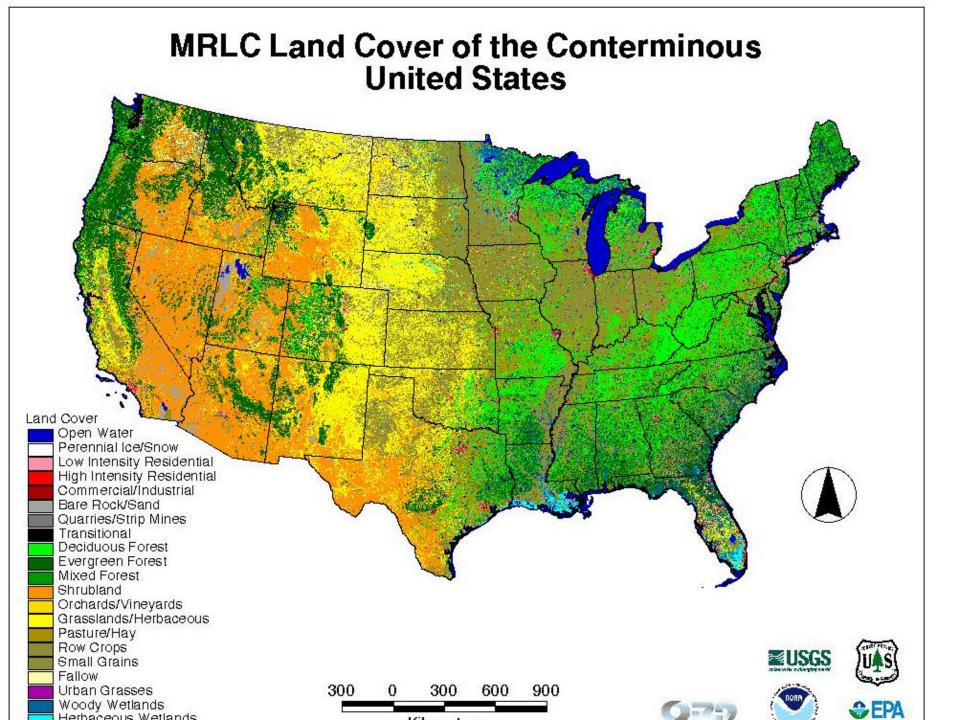


### Regionalize Demonstrate How It All Comes Together

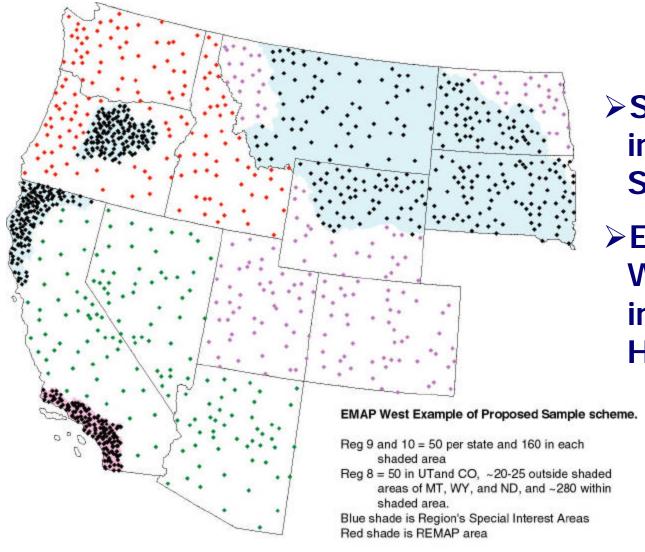


"MALA"
Mid-Atlantic Integrated
Assessment

Hosted by EPA Region III
ORD Contributed:
 Estuarine,
 Stream/River and
 Landscape
US Dept. Agriculture
 Forest
 NASS/ARS
Acted as Catalyst for CENR
Monitoring Framework Pilot

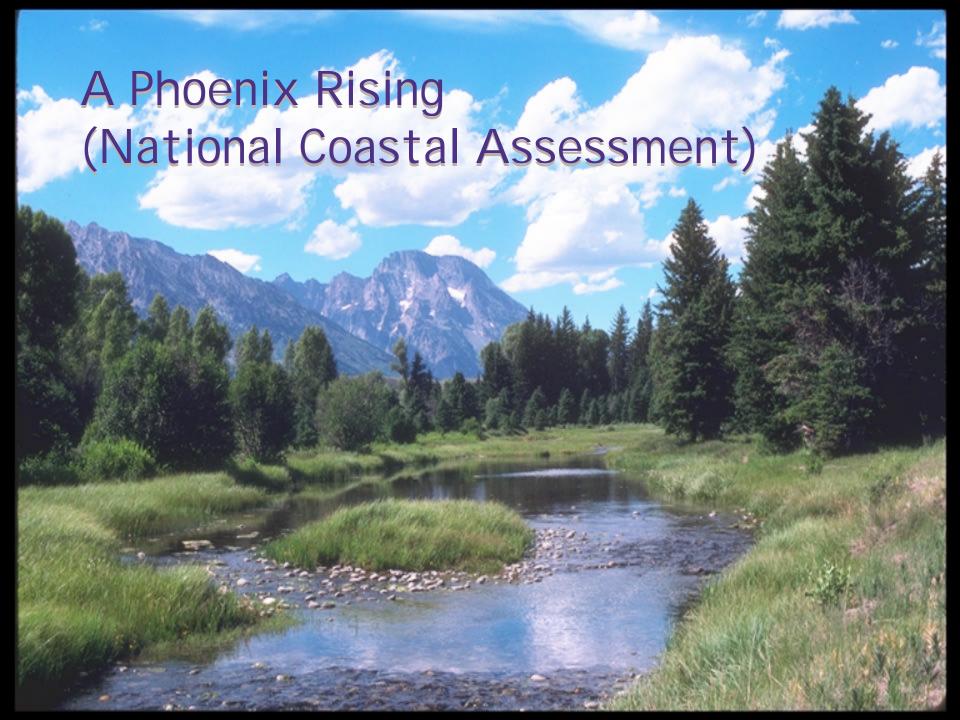


#### EMAP-West



- ➤ Streams and Rivers in 12 Western States
- ➤ Estuaries in
  Western States
  including Alaska and
  Hawaii!





## Challenges (1996-1999)

- How do you continue EMAP-Coastal with no money?
- Can EMAP-Coastal be expanded into a national program?
- Can NOAA be re-engaged?
- Can OW be engaged?

Highly successful organizations make their best moves by brilliant and complex strategic planning



Myth #4



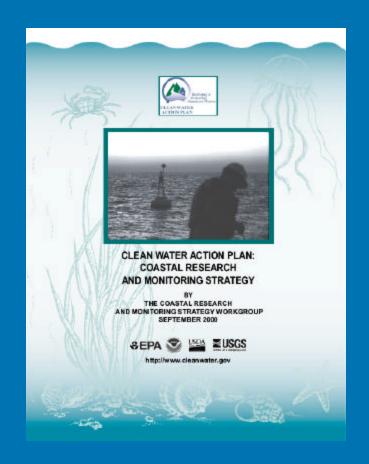
Organizations become visionary primarily through "vision statements".

Myth #5



## The Clean Water Action Plan (1999)

- OW/NOAA/USGS
   requirement to assess the
   condition of aquatic
   resources
- Stalemated 1999Conference Call
- Invention of the National Coastal Condition Report

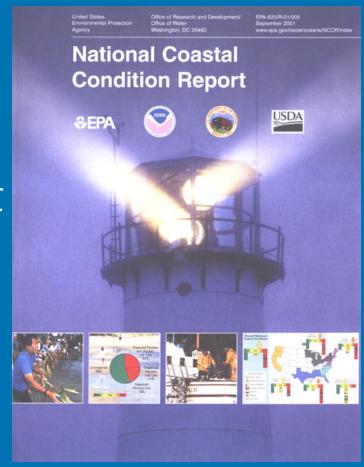




## National Coastal Condition Report I

Based on 1990-1996 data

Virginian, Carolinian,
 Louisianian, selected west coast sites





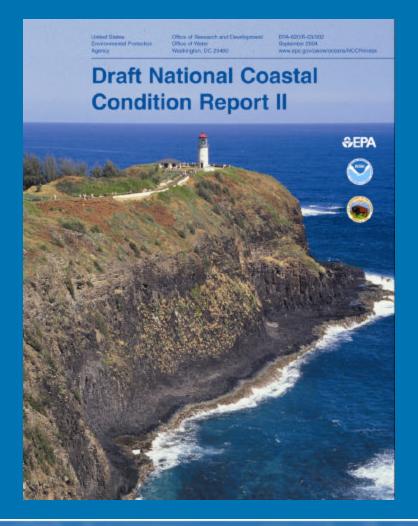
### National Coastal Assessment

- 1999 EMAP Western Pilot Coastal
- 2000 All coastal states in conterminous US and Puerto Rico
- 2001 Includes Alaska and Hawaii (one time)
- 2002 Includes Western Inter-tidal
- 2003 Includes Western Offshore with NOAA
- 2004 Includes SE Offshore with NOAA

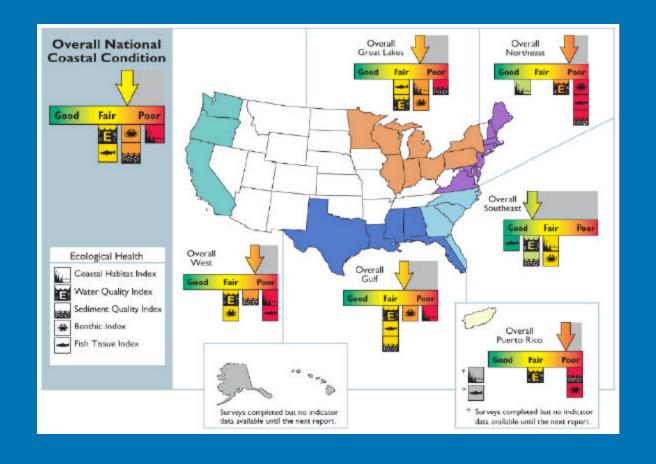




## National Coastal Assessment II











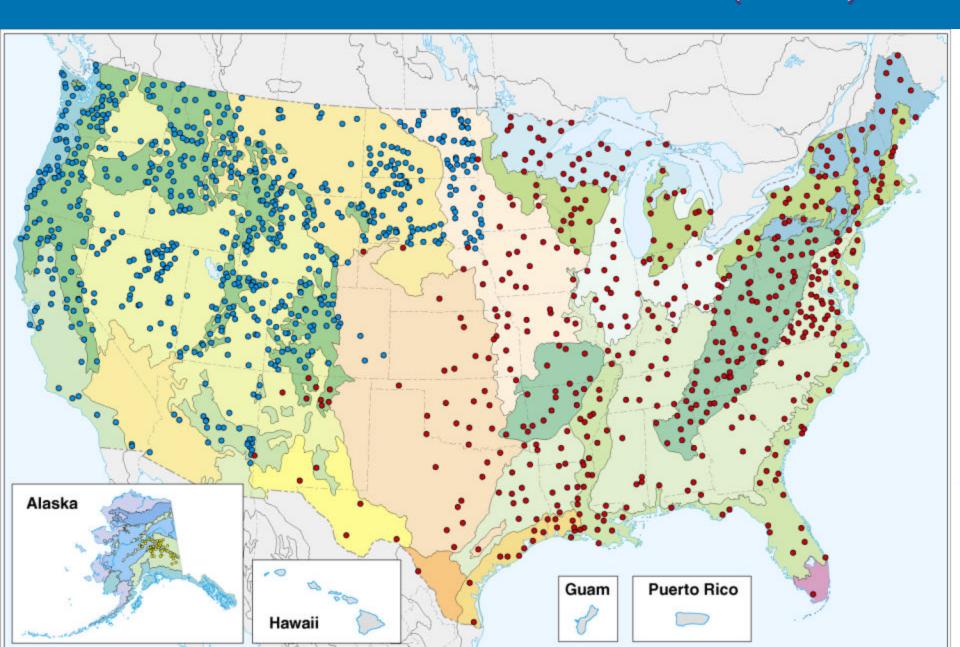


#### **Transition**

- Moving from research to operation
- Players (OW, Regions, ORD, States)
- Options



## Wadeable Streams Assessment (WSA)



# Wadeable Streams Assessment The Beginning of a Fellowship?

- •OW, Regions Managed
- ORD Supported
- States & Contract Field Effort
- Blends ORD EMAP-West and new eastern survey with compatible designs and consistent indicators
- Assessment in Dec. '05





# Myth #6: You can't have your cake and eat it too.

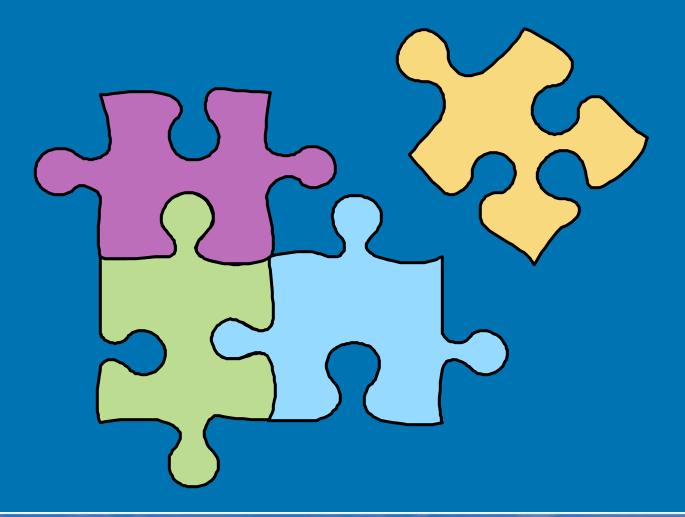


The Agency is Ready to Get the Assessments It Needs. We Need to Work Out the Details of How to Manage It!





## Missing Pieces





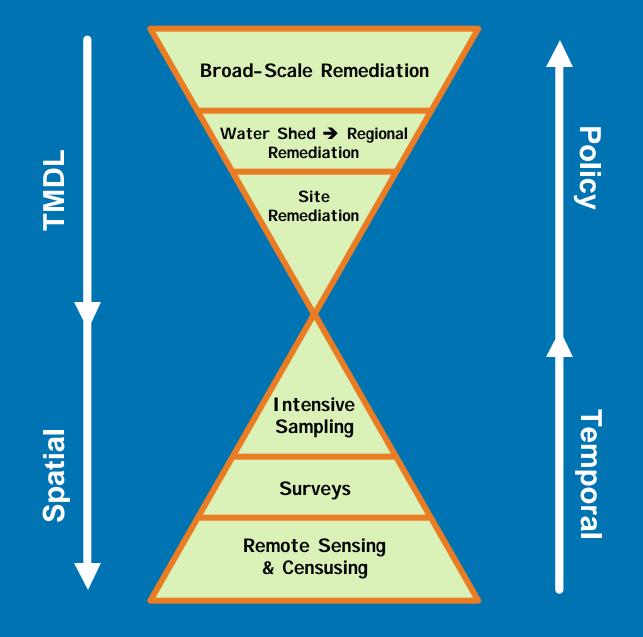
Spatial



**Surveys** 

Remote Sensing & Censusing





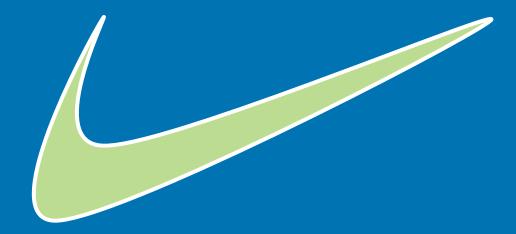
# Myth #7

Successful organizations play it safe



### Attributes of EMAP

- Thoughtful risk
- No penalties
- Just do it!







### ...I t's Been a Lot Like...



## Herding Cats!



