



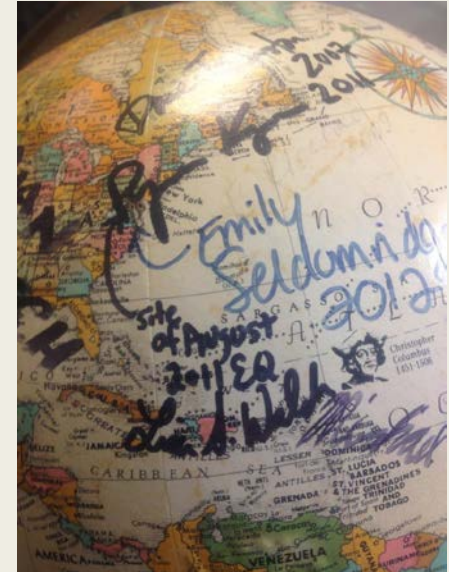
Role of Watershed Coordinator at Delaware Center for Inland Bays

Emily Seldomridge
STAC 4.8.16

From East...



...to West ...to West

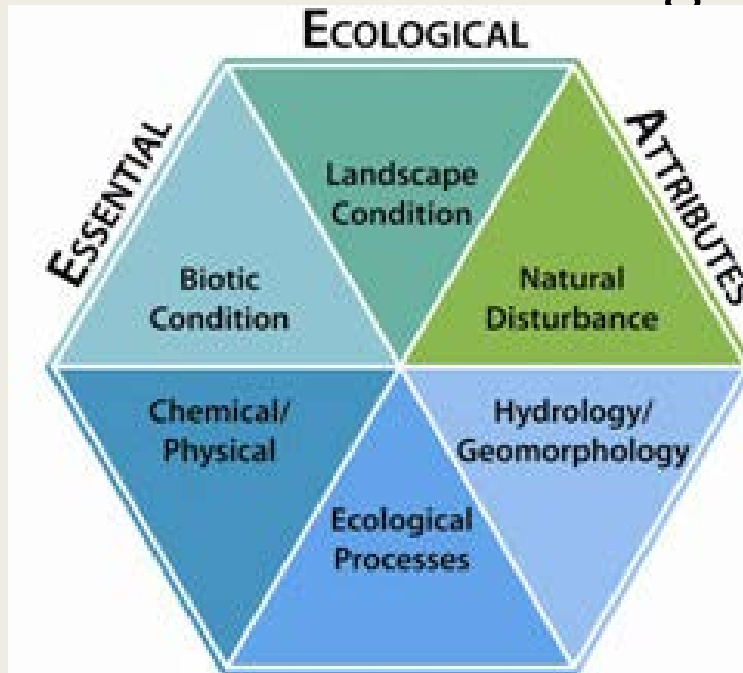


Watershed planning in Texas



Healthy Watersheds Approach

- CWA § 319(h) grant from TSSWCB and EPA
- Maintenance of aquatic ecological integrity by protecting our highest quality watersheds or those intact components of watersheds
- Goal: Stop threats from becoming issues

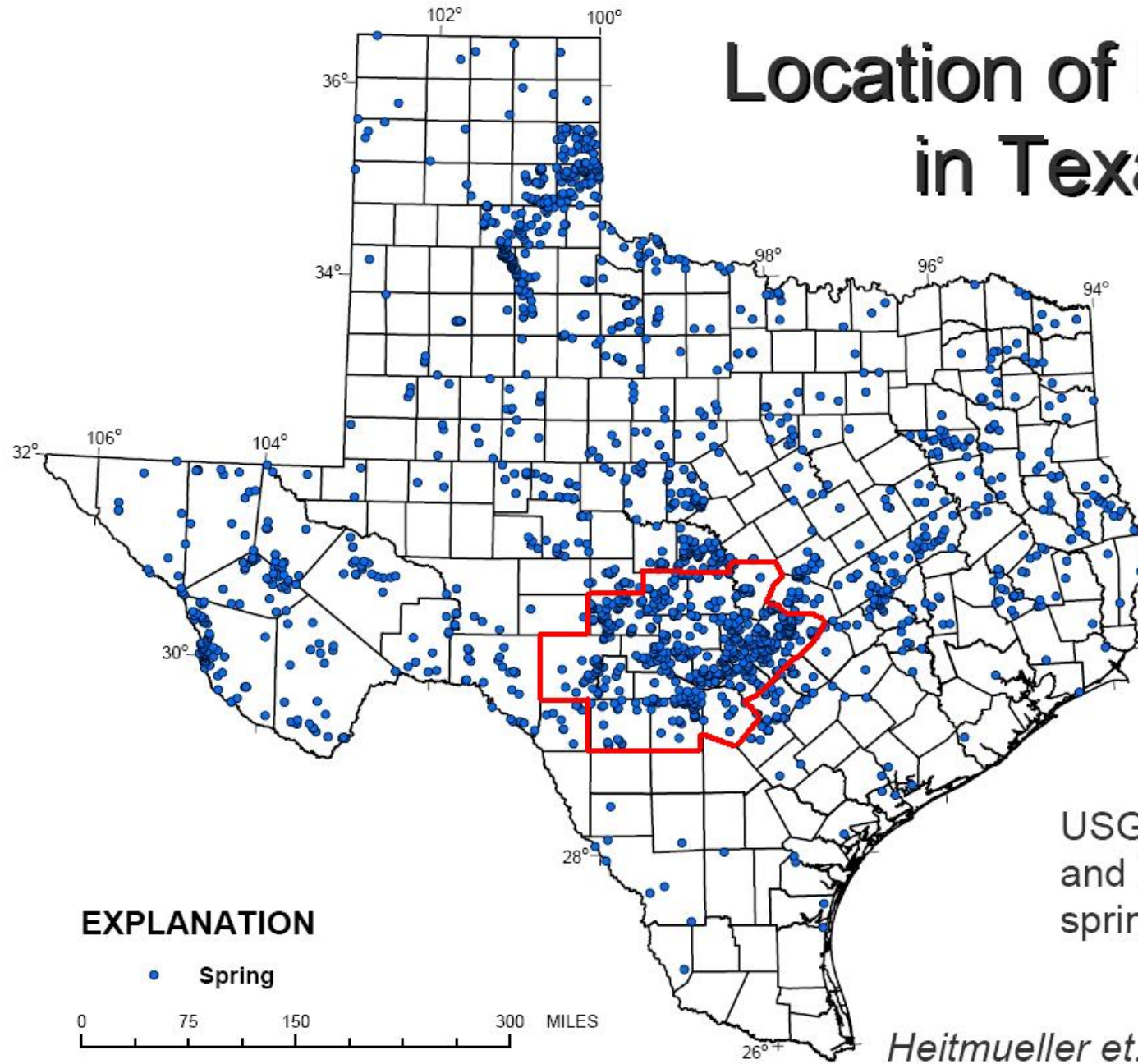


Llano River: Healthy and Notable

- Last great ecosystems worthy of special preservation (Nature Conservancy)
- 10 Waters to Watch (National Fish Habitat Action Plan)
- Ecologically Significant Stream (TPWD)



Location of Springs in Texas



USGS verified existence
and location of 1,891
springs in Texas

Heitmueller et. al (2003)

Partnerships=Power



From planning to policy



Texas Living Waters Project: transform water resource management and allocation

Groundwater

Texas aquifers and the springs they supply sustain our cities, rivers, farms, fish, and wildlife.



Environmental Flows

Rivers flow through our communities and countryside to coastal bays and estuaries, sustaining our way of life and economy.



Drought

Droughts are a fact of life in Texas. The best way to prepare is to plan ahead and respond strategically.



Water Conservation

Making efficient use of our existing water supplies is the most economical and environmentally-sound way to provide water for Texas today and tomorrow.



State and Regional Water Plan

We must adopt a comprehensive and fiscally responsible approach to state and regional water planning that considers all of Texas' needs.





What is coordination?

- The organization of the different elements of a complex body
- Communication is central to collaboration
- Collaboration is the basis of partnering
 - *Dynamic interaction and open communication to reach our shared goals*



By Frits Ahlefeldt

Pollution Control Strategies (PCS)

- Promulgated in 2008
- Voluntary and regulatory actions necessary to achieve TMDL
 - *No dedicated funding*
- Progress on implementation?
 - *Partially reported in 2011 State of Bays*
 - *Collaborative effort to aggregate data*
 - *Assess by pollutant source*
- Critical need for public reporting and engagement on large-scale actions to restore water quality
- Make recommendations for 2018 revision

INLAND BAYS POLLUTION CONTROL STRATEGY



MAY 2008



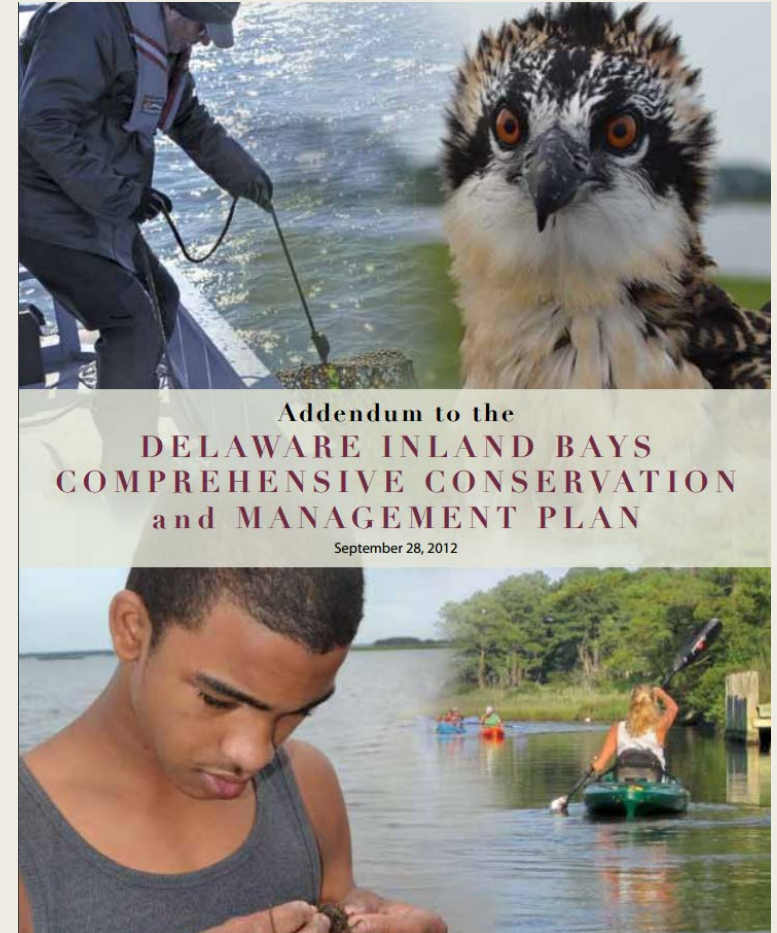
State of the Bays Report-2016

- Assessment of health of the Bays based on a suite of environmental indicators
- Status and trends
 - *2011: Long-term assessment, established baseline*
 - *2016: 5 year update*
- Currently collecting and analyzing data to assess indicators
 - *Preserving 31 indicators in 6 categories*
- STAC was instrumental in reviewing 2011 report
 - *DISCUSSION: 2016 review needed over summer*



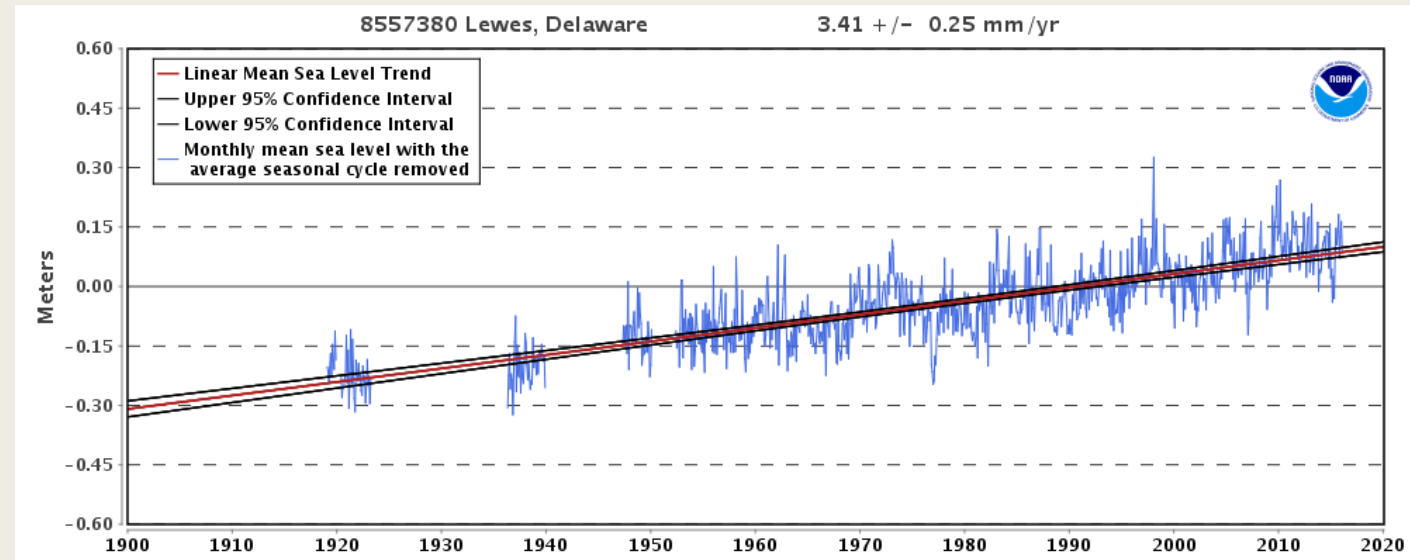
Comprehensive Conservation and Management Plan

- Priority actions to restore and maintain health of Inland Bays
 - *By all levels of government, industrial and business sectors, private and public organizations and institutions, and the general public*
- New challenges since 1995
 - *Climate change and sea level rise*
 - *Emerging contaminants*



Climate change vulnerability analysis

- Broad, risk-based climate change vulnerability assessment of CCMP
- Adapt actions and goals in face of climate change



Emerging Contaminants

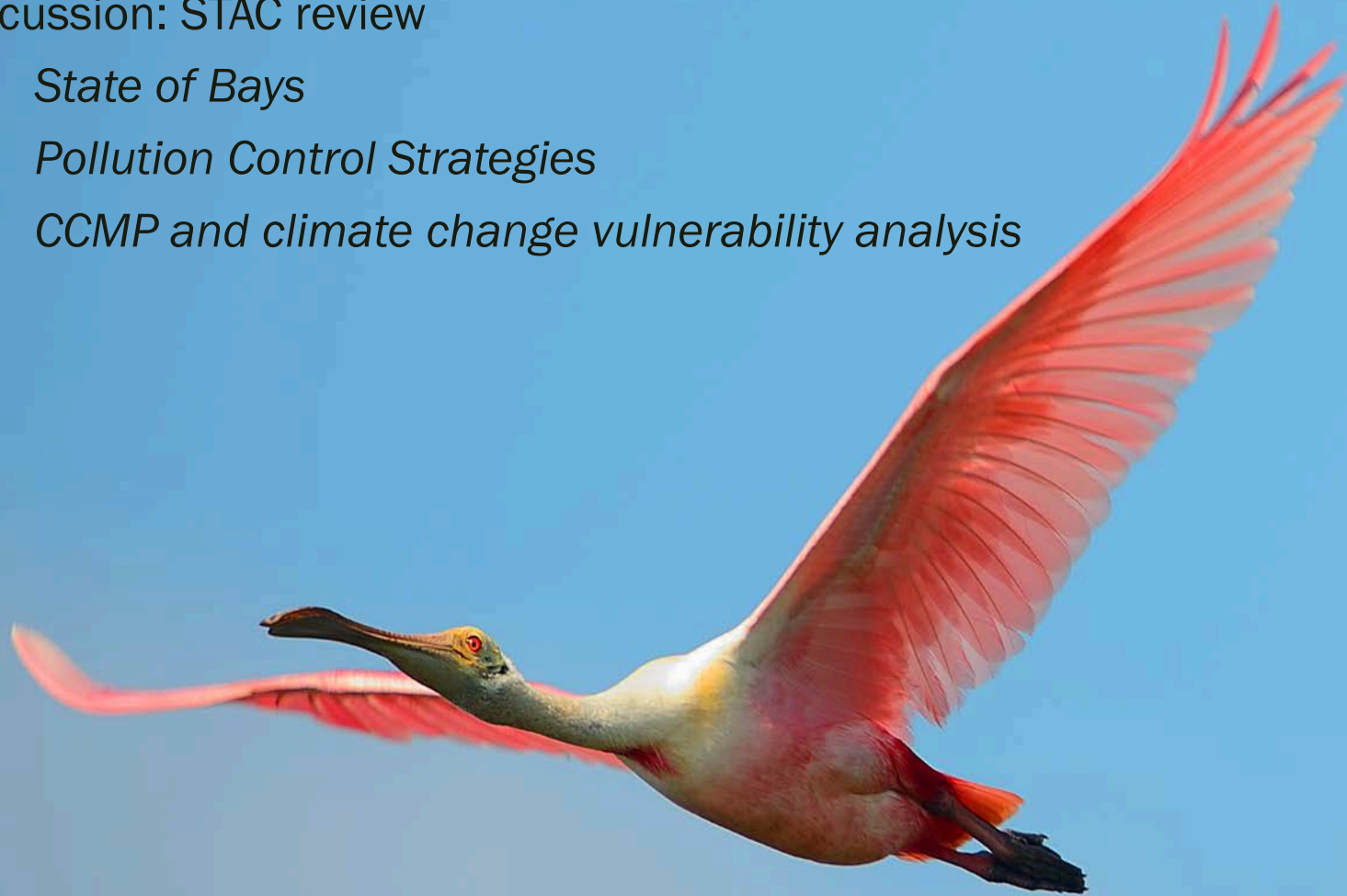
Objective 2: Examine emerging contaminants entering Bays and engage regulatory community and general public in education and source reduction

- A) Conduct symposium to ID emerging contaminants, sources, and potential effects
- B) Those with highest potential for impact, prepare reports to define problem and ID source control



Partnerships are key to success

- Discussion: STAC review
 - *State of Bays*
 - *Pollution Control Strategies*
 - *CCMP and climate change vulnerability analysis*



Watershed planning in Texas

