

# Mercury Monitoring Workshop



**Annapolis, Maryland**

**May 5-7, 2008**

**Charles Driscoll, Syracuse University**

# Summary of 4 March Organization Meeting

## Participants

Mark Cohen, *NOAA ARL*  
David Gay, *NADP MDN*  
Charley Driscoll, *Syracuse University*  
David Krabbenhoft, *USGS*  
David Evers, *BRI*  
Richard Haeuber, *EPA*  
David Schmeltz, *EPA*  
Colleen Haney, *EPA*  
Tim Sharac, *EPA*  
Christine Negra, *Consultant*

## By phone:

Richard Artz, *NOAA ARL*  
Gregory Masson, *USFWS*  
Kathy Fallon Lambert, *Ecologic*

# Purpose

- Review information resources
- Identify potential intensive and approaches for cluster sites

# Activities

- Identified and characterized existing monitoring sites
- Identified potential intensive sites
- Discussed approach to cluster sites

# Site Selection Criteria

1. Distribution
2. Sensitivity to mercury deposition
3. Proximity to sources (elevated loading)
4. Previous studies and monitoring
5. Conservation concerns
6. Region around sites

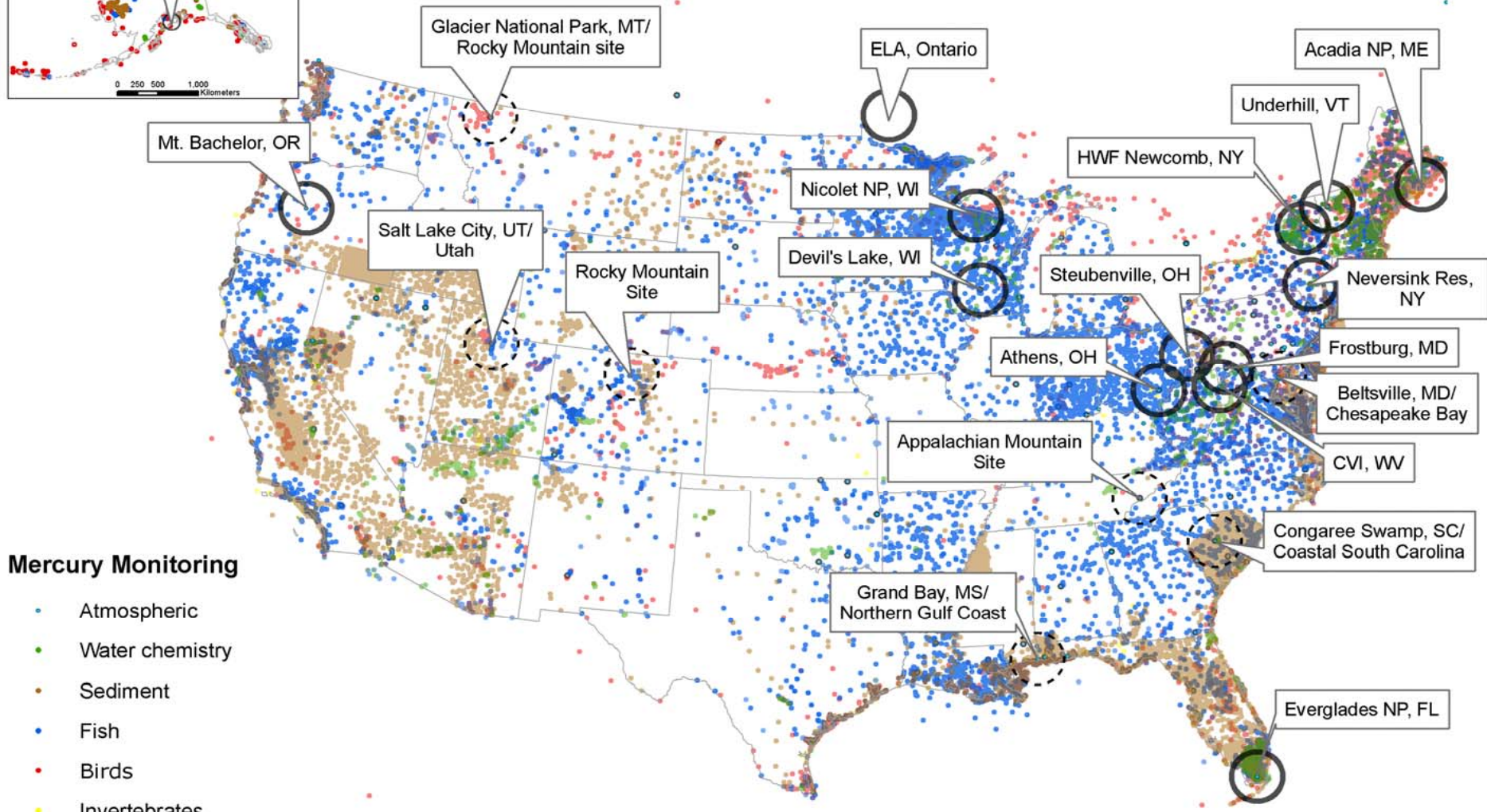
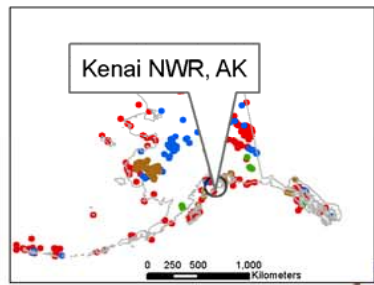
Prior to meeting, four separate individuals/groups selected 20 potential intensive monitoring sites

- Sites discussed

Country divided into subregions

- Southeast
- Northeast
- Mid-Atlantic
- Ohio River Valley
- Mid-West
- West

# Potential Intensive Hg Monitoring Sites



## Mercury Monitoring

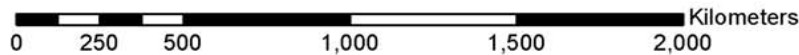
- Atmospheric
- Water chemistry
- Sediment
- Fish
- Birds
- Invertebrates



Potential Sites



Potential Sites-Region



**20 Potential Intensive Hg Monitoring Sites**  
**Based on discussions at the Intensive Mercury**  
**pre-Workshop on March 4, 2008**

Source: US EPA-OAR-OAP-CAMD, NADP/MDN, NADP/NTN,  
 other sources  
 Projection: USA Contiguous Albers Equal Area Conic  
 USGS Version  
 Date: 4/29/2008  
 Scale: 1:20,000,000

# Considerations

- High deposition/deposition change
  - Ohio Valley
- Sensitive regions – Southeast, Northeast, Upper Midwest
- Comprehensive monitoring
  - Everglades
  - Chesapeake Bay
  - ELA
  - Devil's Lake
  - Huntington Forest



# Issues

- What is a site? e.g., Chesapeake Bay
- What are the regions?
- Important area, but limited intensive sites
- Important site for testing atmosphere and ecosystem models
- Scope of mercury contamination (e.g., mining, reservoirs)
- Reference site (?)
- Number of compelling intensive sites?
- Available cluster sites