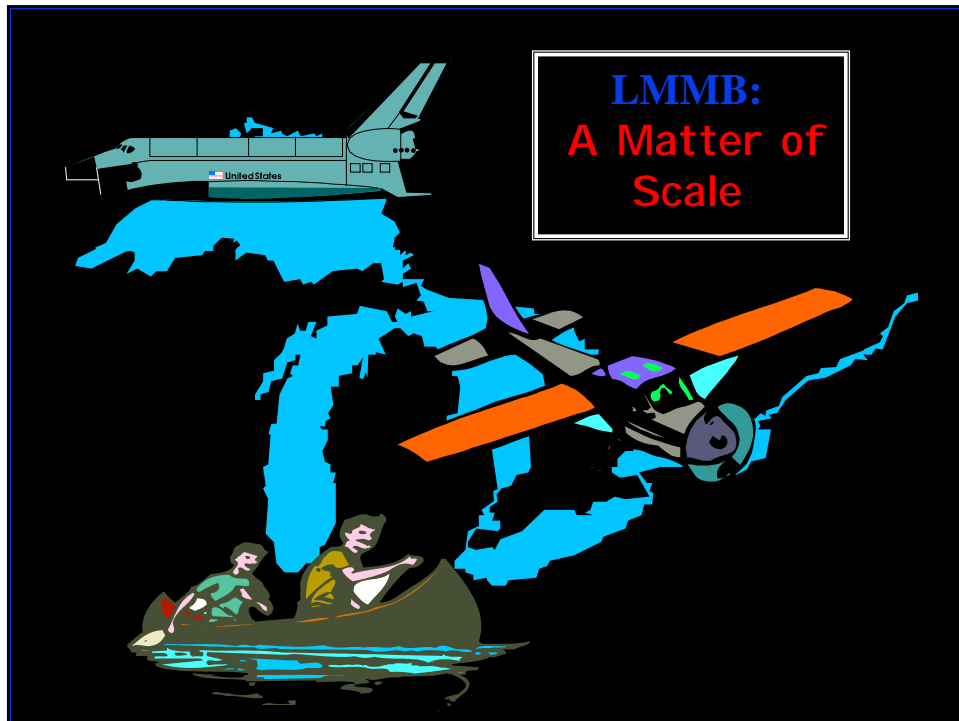
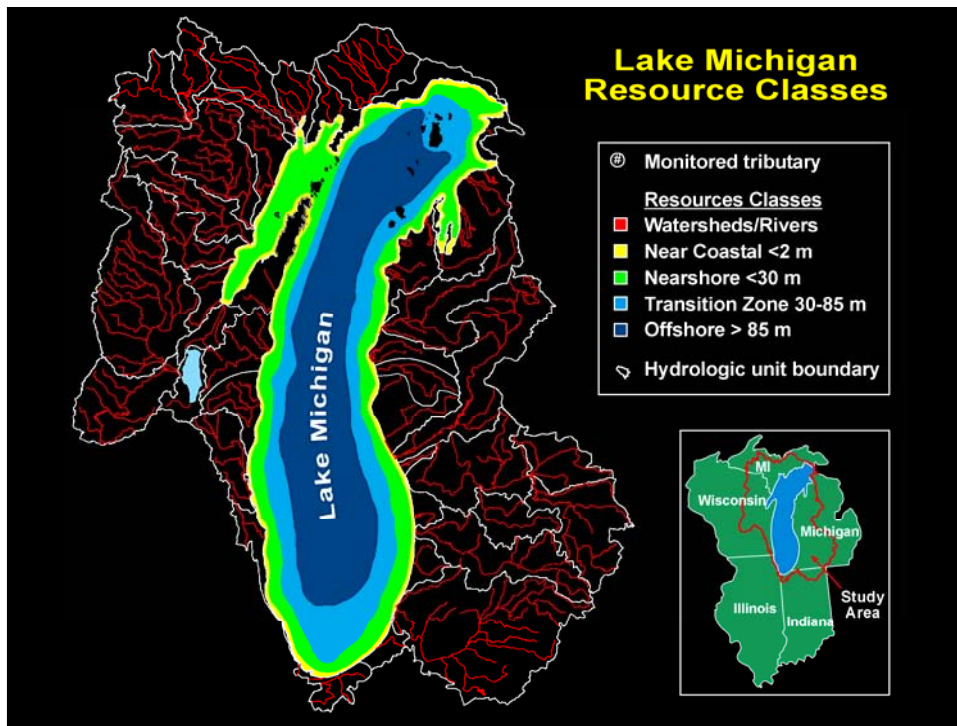




Lake Michigan Mass Balance Study  
Results and Predictions  
*Welcome and Introductions*

U.S. EPA  
Great Lakes National Program Office  
ORD-Large Lakes Research Station





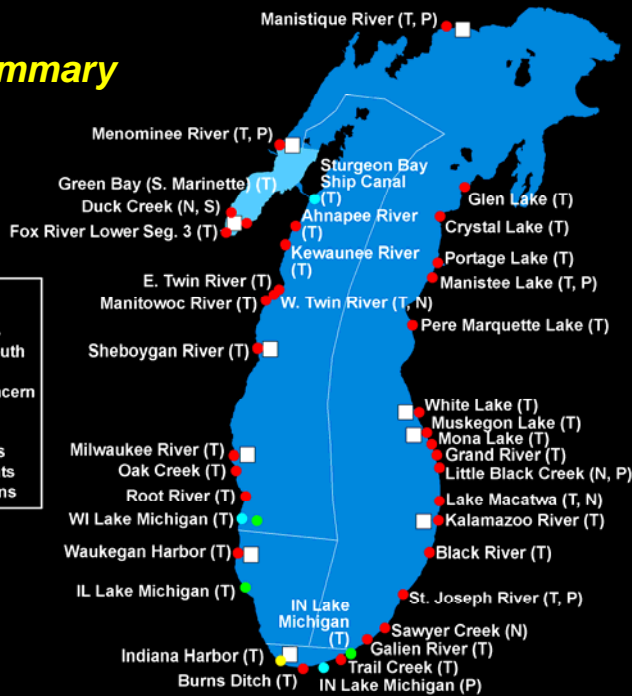
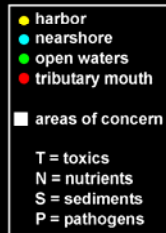
## LMMB

- ◆ **Why?**
  - Convergence of programs with data and modeling needs – Lake Michigan LaMP, Great Waters Program
  - Importance of toxic contaminants to the region

## Lake Michigan Impairments Summary

tributary mouths,  
near shore waters,  
open waters with  
areas of concern

Lake Michigan LaMP



## Lake Michigan Mass Balance Study Goal

- To develop a sound, scientific base of information to guide future toxic load reduction efforts at the Federal, State, Tribal, and local levels.

## **Lake Michigan Mass Balance Project Objectives**

- Determine loading rates for critical pollutants from major source categories (tributaries, atmospheric, sediments)
- Comprehensively evaluate the relative loading rates by media
- Develop predictive capabilities through mathematical modeling
- Forecast the environmental benefits of specific load reduction alternatives
- Improve understanding of ecosystem cycling and dynamics of bioavailable contaminants

## **Lake Michigan Mass Balance Study Agenda – all times central savings time**

- 9:00-9:05 AM - Welcome and Introductions  
Paul Horvatin
- 9:05-9:15 AM - Introduction to the Lake Michigan Mass Balance Study  
Glenn Warren
- 9:15-9:25 AM - Introduction to LMMB Modeling  
Russ Kreis
- 9:25-10:05 AM - Lake Michigan PCB Modeling  
Russ Kreis
- 10:05-10:15 AM - BREAK
- 10:15-10:35 AM - Lake Michigan Atrazine Modeling  
Ken Rygwelski
- 10:35-10:55 AM - Lake Michigan Eutrophication Modeling  
Russ Kreis
- 10:55-11:15 AM - Lake Michigan Mercury Modeling  
Ken Rygwelski
- 11:15-11:30 AM - Major Findings and Policy Implications  
Paul Horvatin
- 11:30 AM-12:30 PM - LUNCH BREAK
- 12:30-2:00 PM - Reconvene for Q&A and Technical Discussion