



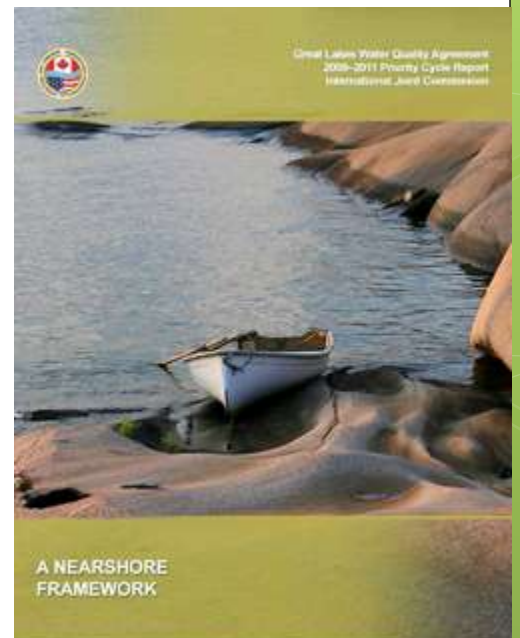
Dave Dempsey  
IJC-GLC Meeting  
September 10, 2012

# LAKE ERIE ECOSYSTEM PRIORITY



2012-2015

More than a century of cooperation protecting shared waters



More than a century of cooperation protecting shared waters

# IJC Great Lakes Priorities 2012-2015

**Lake Erie  
Ecosystem  
Priority to  
Reduce  
Phosphorus  
and Algal  
Blooms**

**Assessment  
of Progress  
toward  
Restoring the  
Great Lakes**

**Strengthening  
the Capacity  
to Deliver  
Great Lakes  
Science and  
Information**





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# LAKE ERIE ECOSYSTEM PRIORITY (LEEP)

## MAIN GOAL

“In 3 years, we will have **measurably reduced DRP** (dissolved reactive phosphorus) loads and algae. We will have a **better scientific understanding** of causes and controls and an **adequate monitoring system** in place. We will have improved **coastal resiliency and governance** as well as **better public understanding** and support...”







*If you use the water, it matters*



# Transboundary Basins

Columbia River Basin

Souris River Basin

Rainy River Basin

Missisquoi Bay  
Lake Champlain

Saint. Croix  
River Basin

St. Mary - Milk  
River Basin

Red  
River Basin

The Great Lakes  
and Waterways



*More than a century of cooperation protecting shared waters*



## LEEP Work Group Members/Experts

- Glenn Benoy (AAC)
- Bill Booty (EC)
- Nate Bosch
- Bill Bowerman (U of M)
- Greg Boyer (U of NY)
- David Carpenter (U of A)
- John Casselman (Queens)
- Murray Charlton (EC)
- Steve Davis (USDA)
- Joe DePinto (LimnoTech)
- Dave Dolan (U of W)
- Alice Dove (EC)
- Sandy George (EC)
- Chitra Gowda (ERCA)
- Tomas Hook (PU)
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- Shawn McElmurry (WSU)
- Carol Miller (WSU)
- Michael Murray (NWF)
- Peter Richards (Heidelberg)
- Don Scavia (UofM)
- Sue Watson (EC)
- Ram Yerubandi (EC)



# SCIENCE

- **A Review Paper on External and Internal TP/DRP Loadings to Lake Erie**
- **A Review Paper on Climate Change Implications for TP/DRP Inputs/Outputs**
- **A Review Paper on Effectiveness of Agricultural and Urban BMPs in Reducing TP/DRP Loads**
- An Assessment Report on Adequacy of TP/DRP Monitoring Programs
- **A Review Paper on Response of Key Indicators to Nutrient loading**



# SOCIAL/ECONOMIC

- A Review Paper on Economic Impact of Excessive Algal Blooms, Costs/benefits of Solutions and Barriers to/Incentives for Voluntary Actions
- **A Review Paper on Legislative/Regulatory Framework**
- An Assessment Report on Recommended Social/Economic Solutions

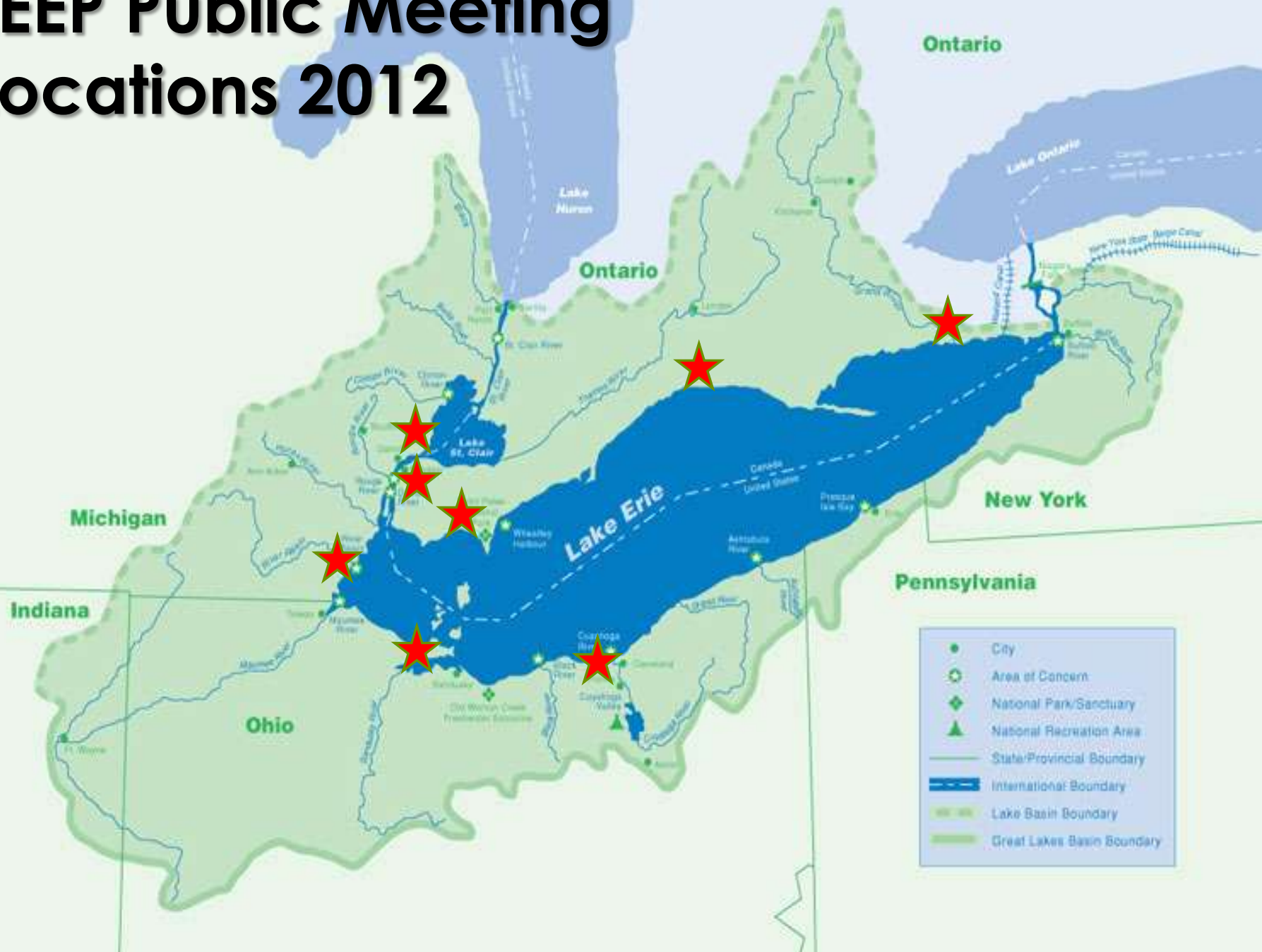


# Priority Strategy/Timeline

- ❑ Develop Series of Draft Papers and Reports on Science and Social/Economic Aspects by December 2012
- ❑ Lake Erie Workshop in February 2013 to Review Draft Papers/Reports and Develop Draft Findings and Recommendations for IJC Report
- ❑ Develop Interim IJC Report by May 2013
- ❑ Public Consultations on Draft Report from May-July 2013
- ❑ Finalize IJC Report with Key Recommendations to the Parties at Great Lakes Summit Fall 2013
- ❑ Develop IJC Workplans for Following 2 Years (Governance and Implementation Issues will be the focus in this phase of work plans)



# LEEP Public Meeting Locations 2012



# LEEP Public Meetings

- 8 open houses/ public comment sessions
- Nearly 200 people have provided comments to date
- Key concerns:
  - Open lake dumping
  - Local/regional impacts of power plants
  - Factors other than phosphorus (nitrogen?)
  - Immediate action/no time to wait
  - All sectors willing to help solve the problem



Sunset over Put-in-Bay harbor , Lake Erie, Ohio

# THANK YOU

