


**Wisconsin Society of Professional Engineers
Discovery Conference
April 22, 2010**


**The Great Lakes Compact:
What It Is and How It Applies To Wisconsin.**

Ed Glatfelter
Water Conservation Director
Alliance for the Great Lakes



Who is the Alliance for the Great Lakes?

Volunteers and professionals working to conserve and restore the world's largest freshwater resource.





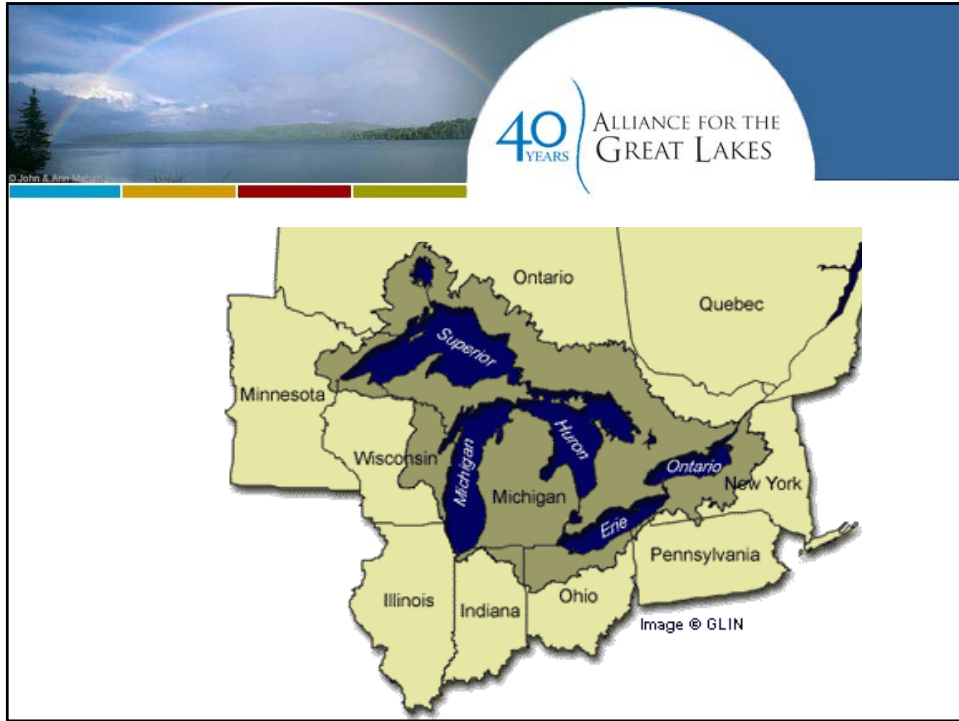
40 YEARS ALLIANCE FOR THE GREAT LAKES



40 YEARS ALLIANCE FOR THE GREAT LAKES

An Inexhaustible Resource?





A banner at the top left shows a rainbow over a lake. To the right is a white semi-circle containing the text "40 YEARS ALLIANCE FOR THE GREAT LAKES".

Great Lakes Charter: 1985

The logo for the Council of Great Lakes Governors, featuring a cluster of seven blue stars above the text "COUNCIL OF GREAT LAKES GOVERNORS" in gold.

A photograph of a large cargo ship docked at a pier, with a clear blue sky and water in the background.



Annex 2001:
Interstate Compact – 8 States
Agreement – 8 States
2 Provinces




Compact/Agreement

Prohibit Diversions

Exceptions:

- Straddling Communities
- Communities in Straddling Counties

Return Flow



Why Water Management & Conservation?


- Overburdened Resources
- Moral Responsibility
- Legal Risks
- Political Challenges



Water Management Requirements:

Programs by December 2013 –


- Existing User Registration & Reporting
- Permits: New & Increased Withdrawals
Diversions
- Baselines



Baselines

Withdrawal Approvals



Existing Capacity:
Capacity of Most Restrictive Facility



Baselines




Withdrawal Approval Baselines
Annual Average Day Withdrawal

Capacity Baselines: Total capacity
Average Day Flow/Firm Peak Capacity
Annual Average Day Never Exceeds Baseline Due to Peak Day Need



State Water Conservation

By December 2010:
Goals & Objectives
Programs
All Water Users
Voluntary or Mandatory?





Mandatory Conservation Standards:

New/Increased Withdrawals
Diversion Exceptions
Straddling Communities
In Straddling Counties



The Great Lakes Compact
No Diversions, Except For...
Public Water Supplies In:
Straddling Communities
Communities in Straddling Counties

A banner at the top of the slide features a rainbow over a lake and the '40 YEARS ALLIANCE FOR THE GREAT LAKES' logo. Below the banner, the text is centered and reads: 'The Great Lakes Compact', 'No Diversions, Except For...', 'Public Water Supplies In:', 'Straddling Communities', and 'Communities in Straddling Counties'.




Straddling Communities

All diverted water, minus reasonable consumption, must be returned to the Lake.



Image © GLIN



Community in Straddling County

- Without adequate water**
- No reasonable alternative**
- Not endanger ecosystem**
- Use water conservation to minimize diversion**
- Approval by all Great Lakes Governors**




Rules and Regulations

- Timing of Compact Approval**
- State Resources**
- Compliance Orders**



Reasonable Alternative Supply


“...similar in cost to, and as environmentally sustainable and protective of the public health as, the proposed new or increased diversion and that does not have greater adverse environmental impacts than the proposed new or increased diversion.”



Discharge Location

Compact:
Not endanger ecosystem integrity

Wisconsin:
As close as practicable to withdrawal



Affected Waters

- Lakes
- Connecting waterways
- Tributaries
- Groundwaters**




The Alliance for the Great Lakes

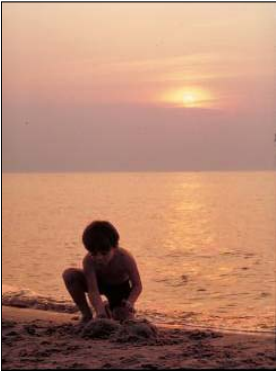
Relevant & Effective Compact

State & Local eNGO's

- Land use
- Transportation
- Jobs
- Social Justice



Questions?



Ed Glatfelter
Water Conservation Director

eglatfelter@greatlakes.org

312-939-0838 ext. 235

www.greatlakes.org

Photo by David Riecks