Freshwater and the Great Lakes Economic Future - The Economic Benefits of Restoring the Great Lakes

Federal Reserve Bank of Chicago Conference Detroit, Michigan

November 10, 2008

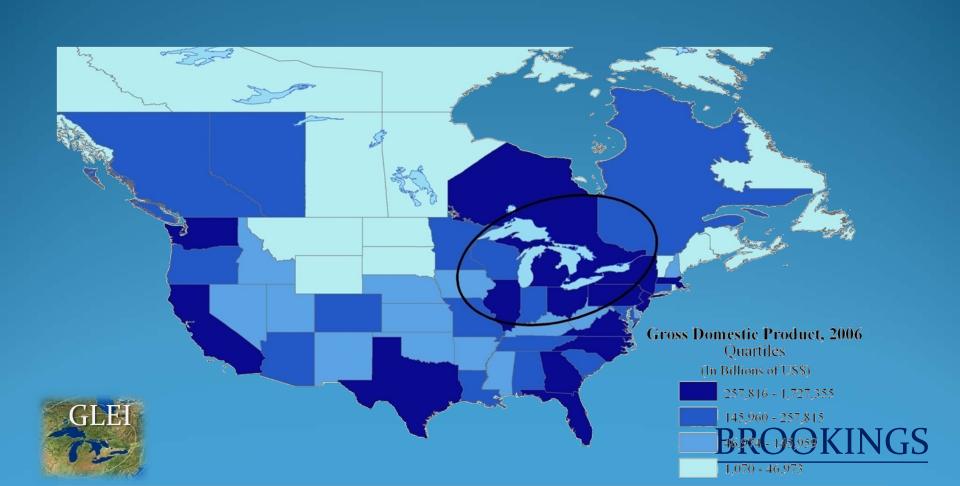
John C. Austin, Director, New Economy Initiative of Southeast Michigan Non Resident Senior Fellow, Brookings Institution



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'Coasts' have supported population and economic growth

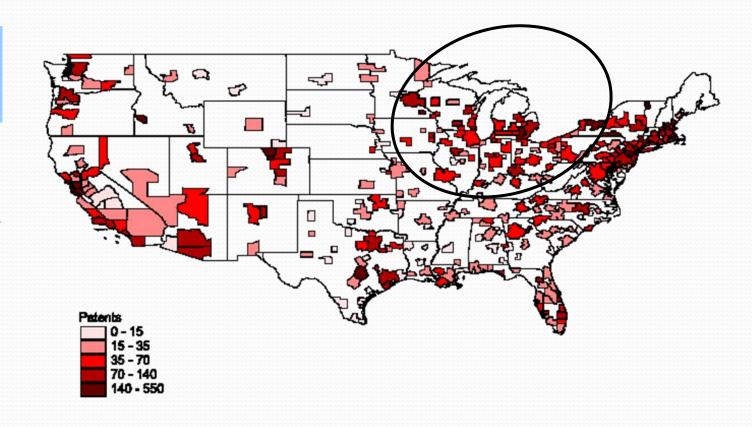




Today, innovation trumps natural resource location

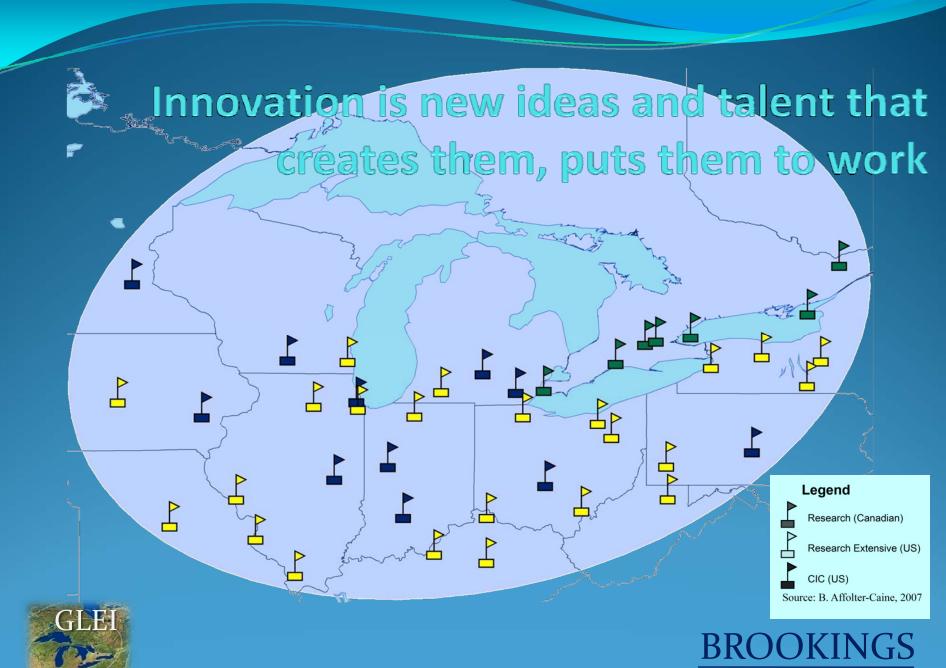
Patents per 100,000 Jobs, 1999

Source: A. Reamer, L. Icerman and J. Youtie, Technology Transfer and Commercialization: Their Role in Economic Development, 2003

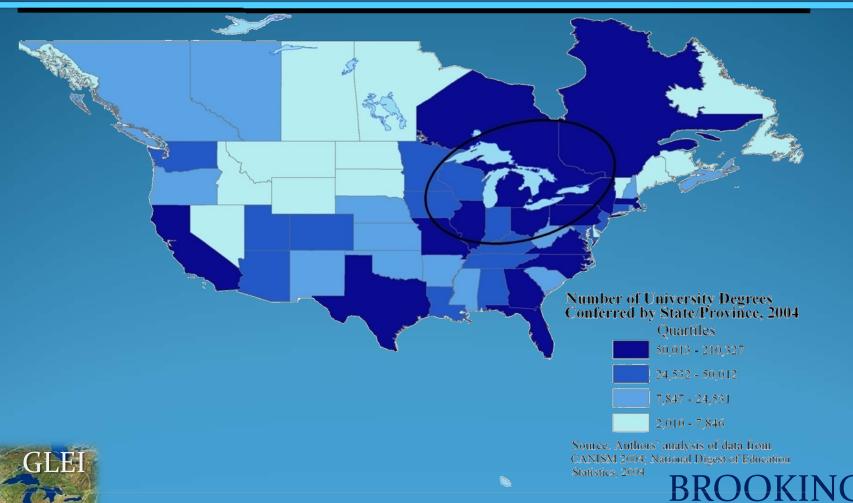








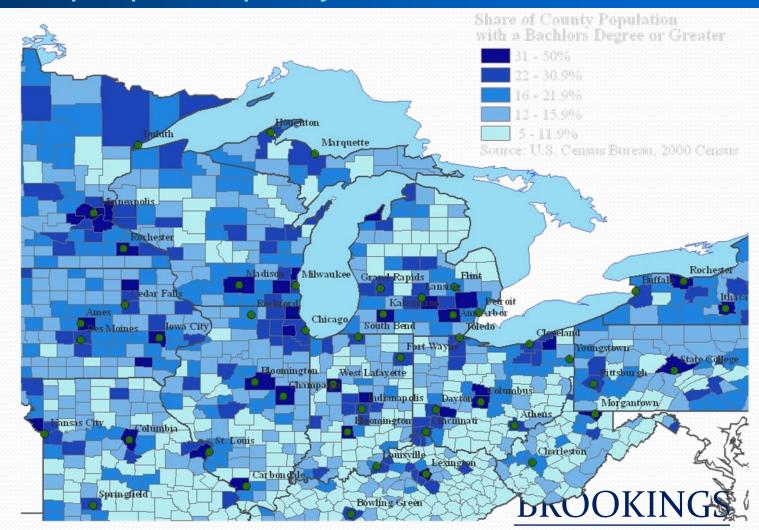
Learning institutions produce new ideas, talent, and local culture





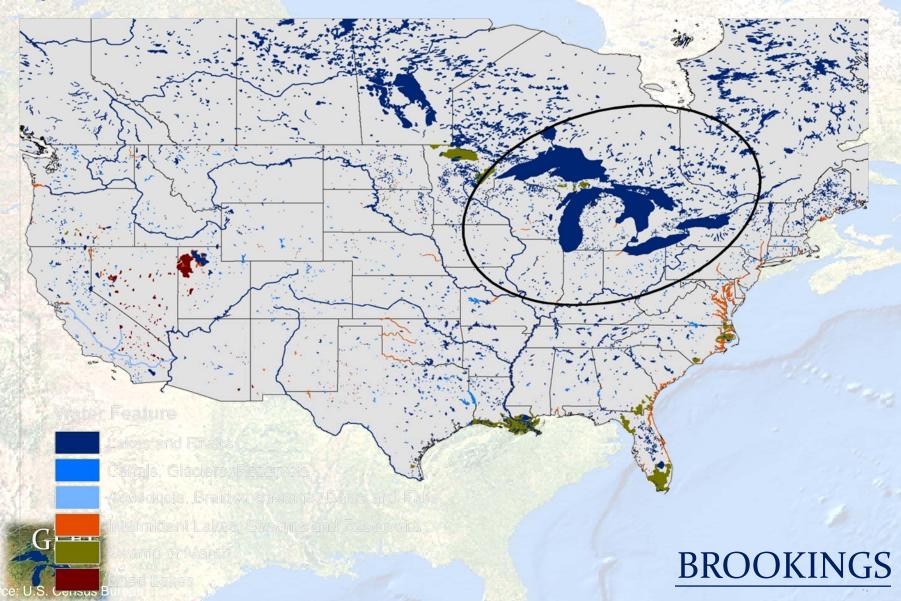
New economy means bigger metros, talent centers, and places with unique place quality...thrive

Share of County
Population with a
Bachelors'
Degree or
Greater, 2000





Water matters powerfully in new and different ways



Water becomes new economy infrastructure

Available to support sustainable population
crowth

Adds "magic" to other tangible amenities = special place

Recreation/Iourism

Water-Based Development

Freshwater 'resourcefulness' as economic good - research, education, stewardship tools and technologies









Rust Belt can become "Freshwater Coast"



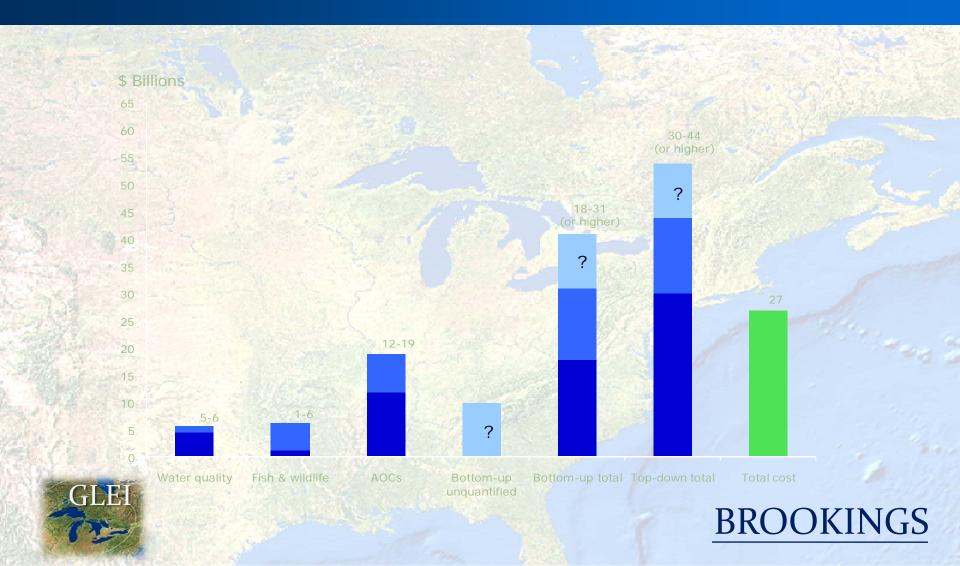


"The opportunity for the Great Lakes region to thrive economically, as a center of innovation and as an environmentally sustainable, 'clean-green' playground for our nation's people to live and work is unrivaled"

Ned Gramlich, Former Federal Reserve Board Governor



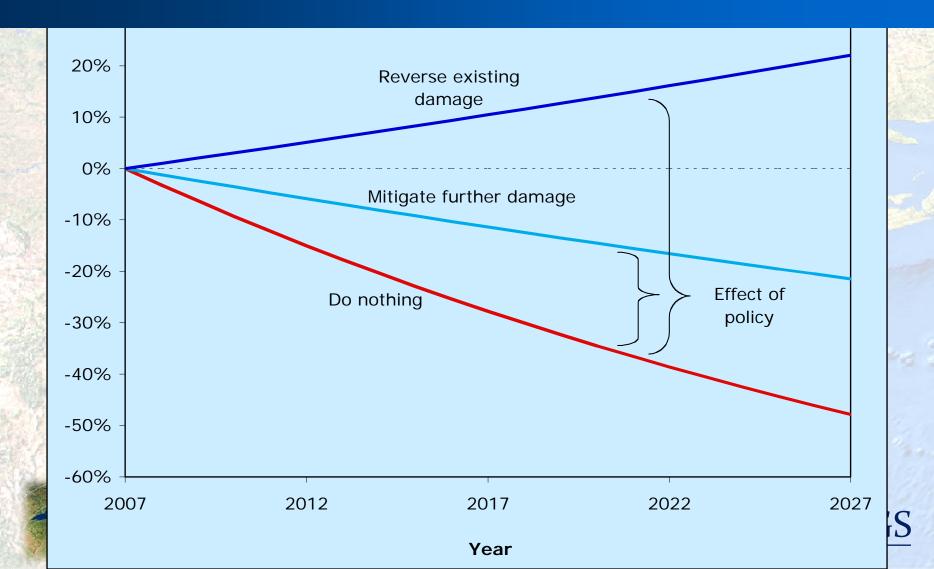
\$ 80-100 Billion Economic Benefits for \$26 Billion Cost



Additional non-quantifiable, but real benefits

- Lower fish contamination levels species health & survival
- Avoided invasive costs
- Fewer algae blooms
- Human health, less sickness, life-spans
- Avoided engineering costs, sediment dredging, removal, & disposal
- Less erosion and less severe flooding
 - Enhanced groundwater supply
- Freshwater technology jobs and business development
- Quality of life enhancement value
- Nonuse Values

Benefits flow from reversing damage, enhancing assets





Brookings Institution Metropolitan Policy Program www.brookings.edu/metro

The Great Lakes Economic Initiative

www.brookings.edu/projects/great-lakes.aspx



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