

Science-based, Multi-Jurisdictional Fishery Management in the Laurentian Great Lakes: Exploring Federal Roles

Governance/Collaboration/Science-Decision Making







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June 6, 2012 Intecol, Orlando, Florida **Ontario**

Lake Superior



Québec



Michigan

U.S. FISH & WILDLIFE SERVICE

CORA

Treaty of 1836

CANAD



Ontario

Lake Ontario





Lake **Michigan**



Michigan





Lake Erie



New York

Indiana

Ohio

Pennsylvania

Ontario

Lake Superior



Québec



Michiga



Protecting Our Fishers

Commission

Lakes

Fishery

Commission

Lakes

PRATITUTE

Science for a charmena of the commission

Commission

Lakes

Fishery

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Fishery

Lake Ontario



Wisconsin

Michiga







New York



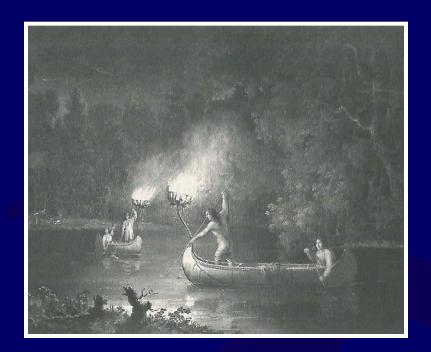
Pennsylvania



Illinois

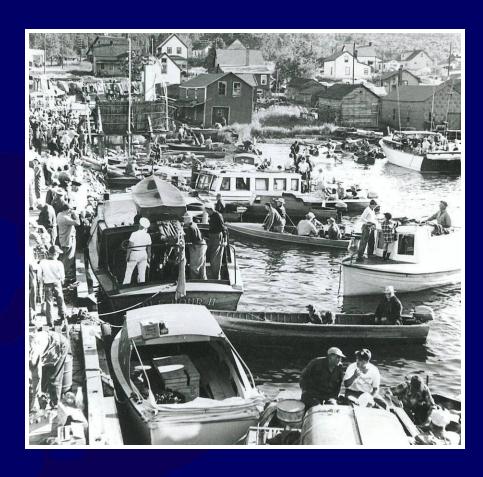
Indiana

Ohio





THE FISHERS

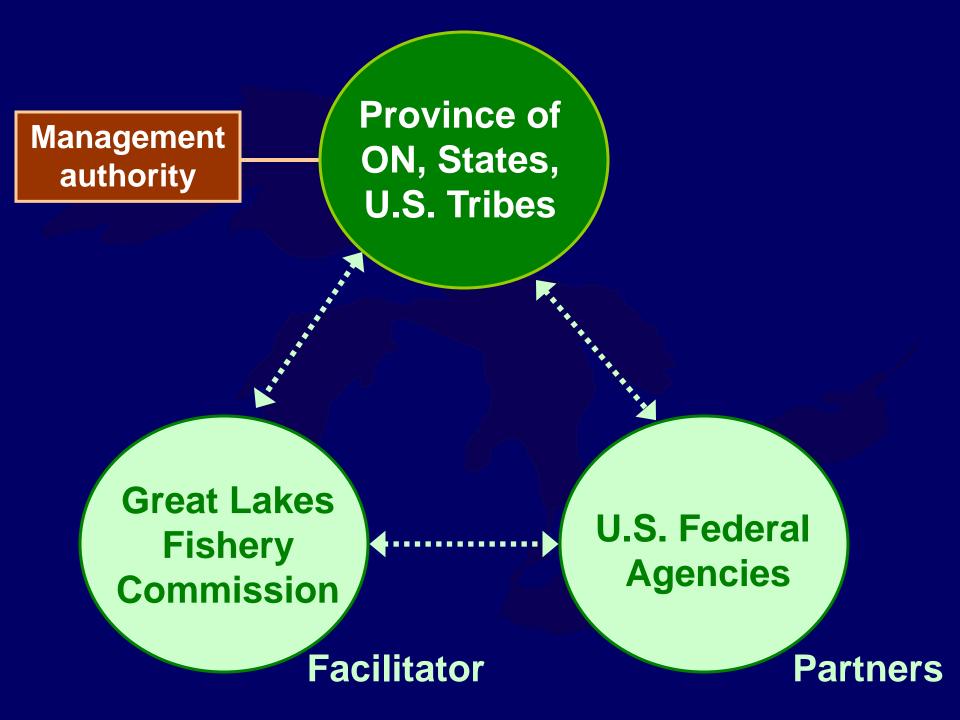


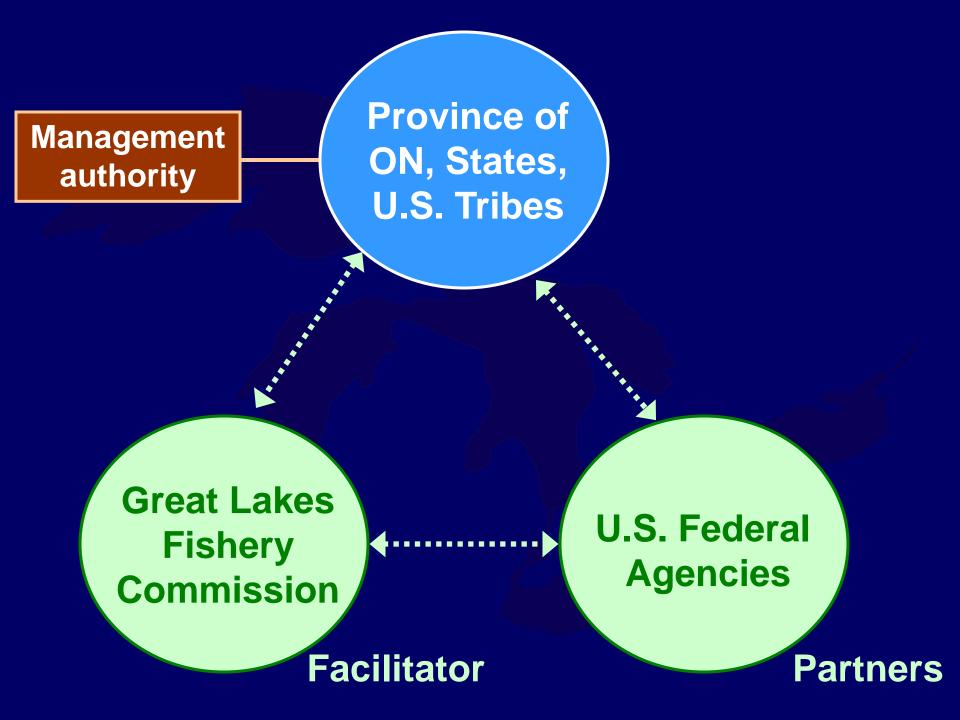
WHO MANAGES THE GREAT LAKES FISHERY?

- Tribal, State, Provincial Roles
- Federal Role
- Great Lakes Fishery Commission Role

- Why and How Agencies Cooperate
- Procedures for Fishery Management
- Lake Committee Process
- Conditions of the Plan







PRIMARY MANAGEMENT AUTHORITY: PROVINCE, STATES, AND U.S. TRIBES

- Harvest regulation
- Licensing
- Stocking
- Species rehabilitation
- Assessment
- Habitat protection
- Public involvement





Management authority

Province of ON, States, U.S. Tribes

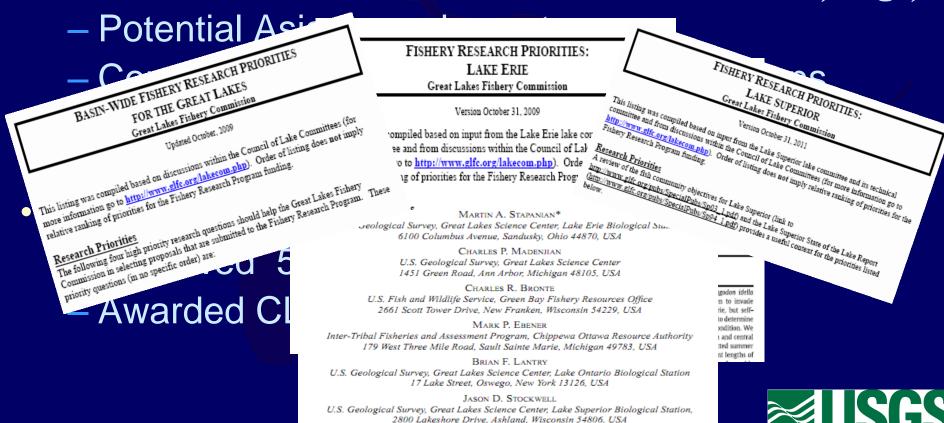
Great Lakes Fishery Commission





ROLE OF FEDERAL AGENCIES: USGS

- Vessels → long-term, prey-fish monitoring
- Research driven by Lake Committee needs, e.g.,



science for a changing world

ROLE OF FEDERAL AGENCIES: USEPA

- Oversees Great Lakes Restoration Initiative (\$475 M), restoring
 - Aquatic habitat
 - Terrestrial habitat (watersheds to break walls)
 - Areas of Concern by toxics removal
- Registration and re-registration of:
 - Lampricide
 - Bayluscide
 - Pheromones



ROLE OF FEDERAL AGENCIES: USACOE

- Reduces sea lamprey by helping USFWS apply
 - Barriers
 - Traps
- Prevents Asian carp → GL basin
 - Designs, operates, & maintains electric barrier(s) in CSSC
- Implements (with co-partner GLFC) the GL Fish and Wildlife Restoration Act
 - Seeks CLC advice re project approval



ROLE OF FEDERAL AGENCIES: USFWS

Restores na

Fulfills trust

Provides te

• Reduces es



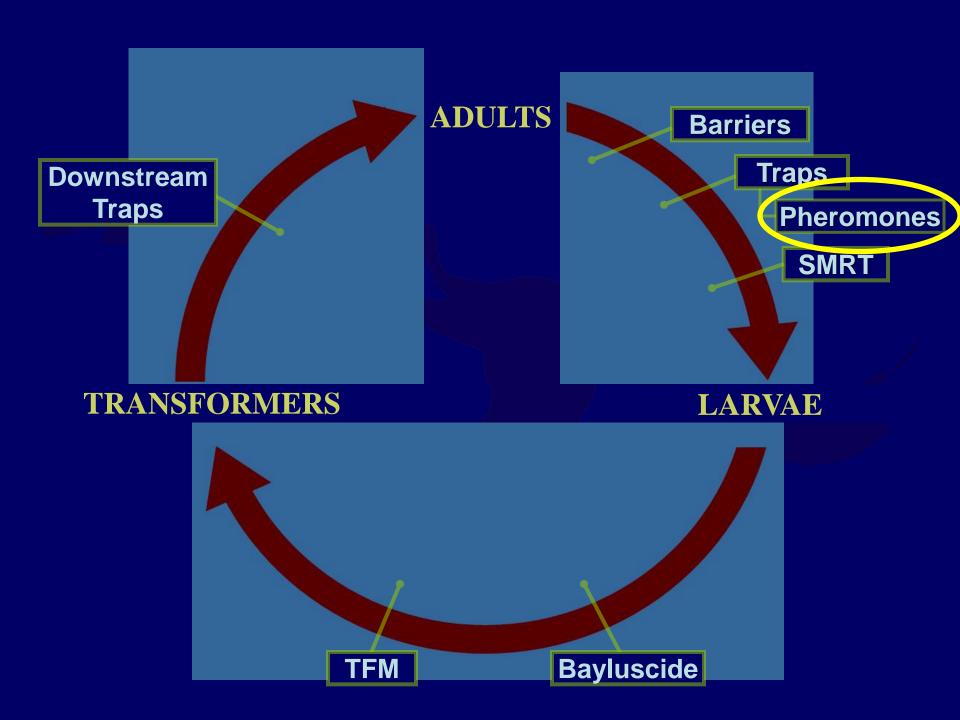
Tribes

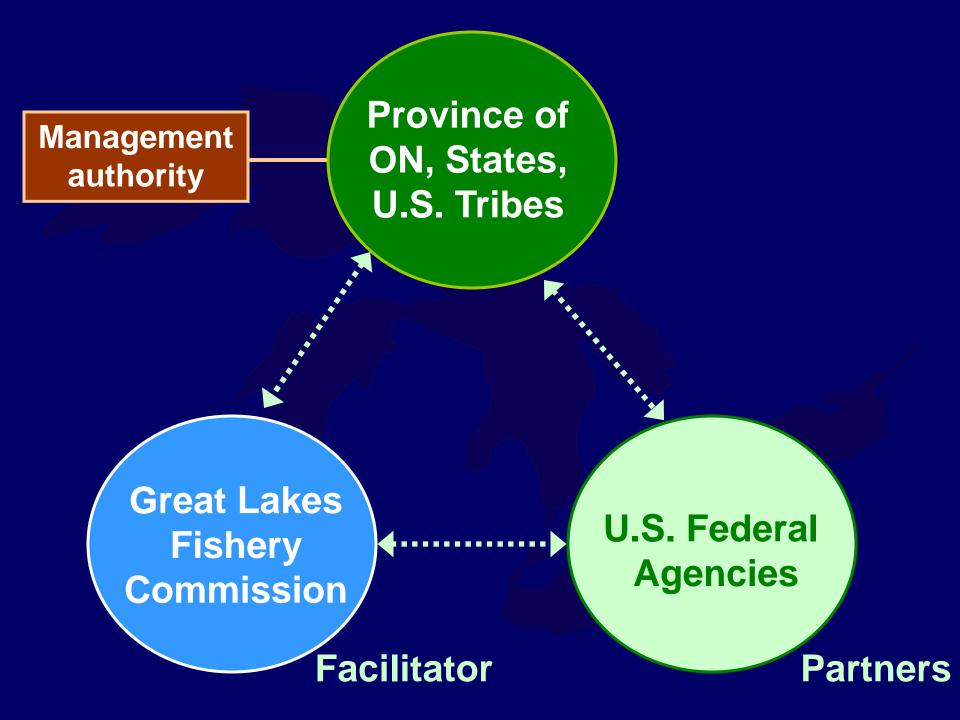
ol measures

U.S. FISH & WILDLIFE

Provides fisheries
 Provides technical support – mass marking
 Protects tribal rights

- Purchased mass-marking trailers (N=4) to
- Enforces Act (interstate transportation)
 - Asian carp interment across fighte/country borders





ROLE OF GL FISHERY COMMISSION

- Funded by Canada & U.S. (via State Dept.)
- Lacks fishery management authority
- Oversees/manages sea lamprey control program
- Facilitates Joint Strategic Plan
- Facilitates/mediates among mgmt agencies



ROLE OF THE GREAT LAKES FISHERY COMMISSION



Convention on Great Lakes Fisheries

Duties

- Control sea lamprey
- Coordinate fishery research
- Communicate to Governments
- Coordinate fishery management



→ A Joint Strategic Plan for Management of Great Lakes Fisheries

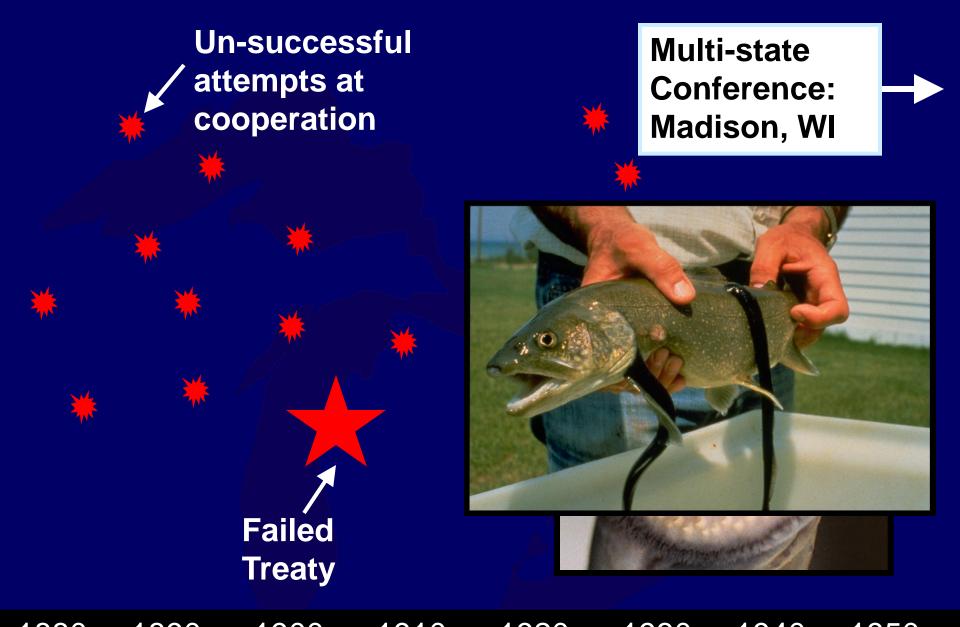




WHO MANAGES THE GREAT LAKES FISHERY?

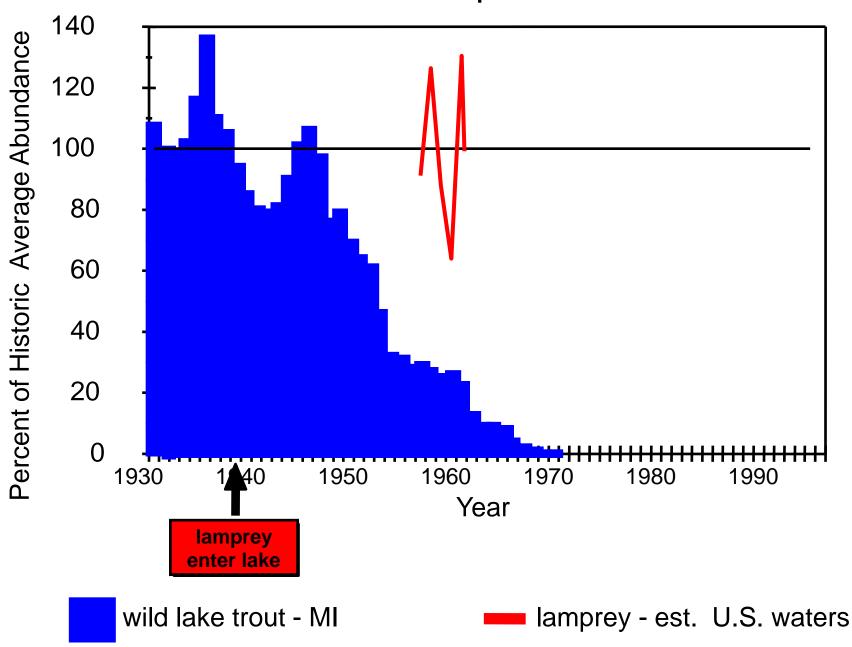
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1880s 1890s 1900s 1910s 1920s 1930s 1940s 1950s

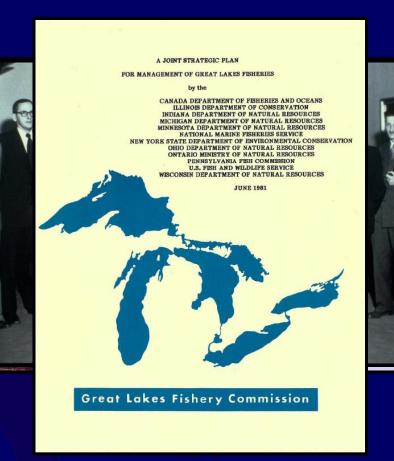




Multi-state Conference: Madison, WI

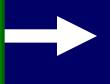
Lake Trout and Sea Lamprey Committees

Treaty: Convention on Great Lakes Fisheries (GLFC)



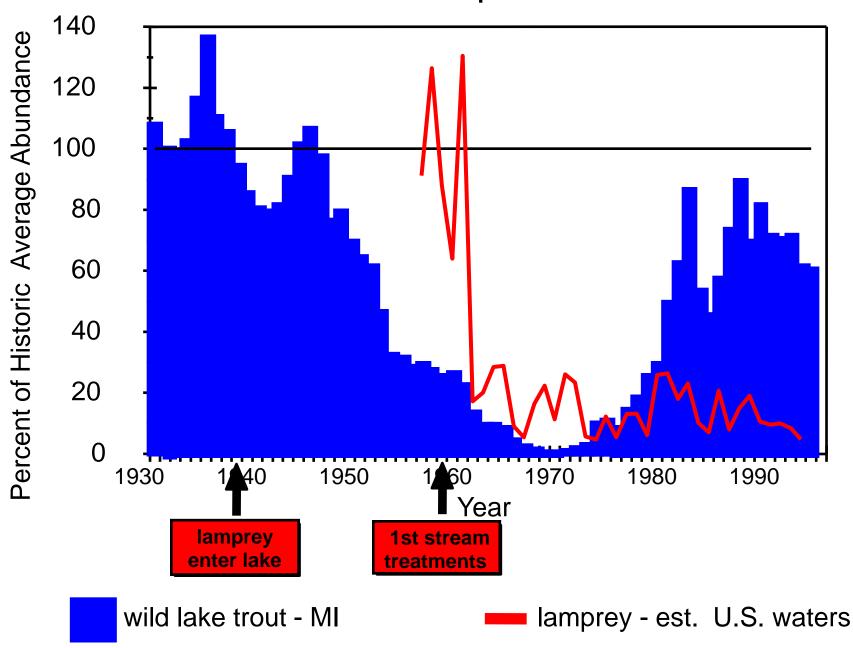
Formal Lake Committees

Joint Strategic Plan



1940s 1950s 1960s 1970s 1980s 1990s 2000s

Lake Superior



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PROCEDURES FOR GREAT LAKES FISHERY MANAGEMENT UNDER THE PLAN

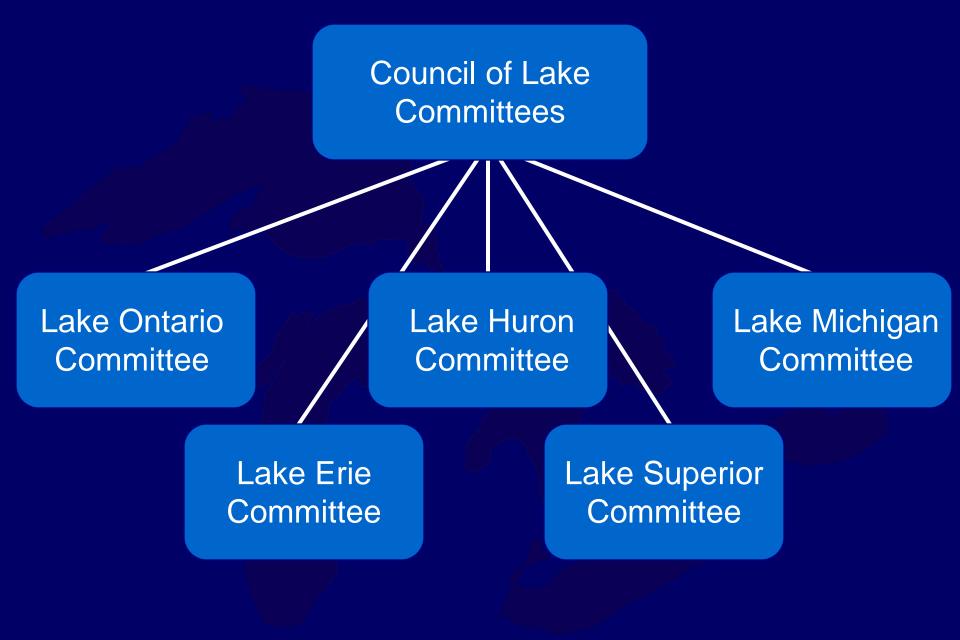
- Consensus
- Accountability
- Information Sharing
- Ecosystem Management



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Each lake has its own Technical Committee.

LAKE COMMITTEE PROCESS

- Composed of primary management agencies:
 - Province, States, Tribes (U.S.)
- Meet publicly
- Develop shared objectives
- Report on actions to achieve objectives
- Make information-based decisions on:
 - stocking

law enforcement

harvest

- environmental mgmt, etc.
- Receive support, including facilitation, from GLFC

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MAJOR DESIGN ELEMENTS OF THE JSP

Respect for jurisdictional independence

Reliance on shared strategies and tactics

Decisions based on science

Development of personal relationships

CONDITIONS OF THE PLAN

State/Tribal/Provincial roles

- Federal entities viewed as partners, not comanagers
- Independence paramount

State/Tribal/Provincial authority

- Authority to manage within jurisdiction
- Responsibility to manage a shared resource

State/Tribal/Provincial concerns

- Threat of external preemption (by the feds)
- Third-party (GLFC) facilitation acceptable

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- Facilitates Joint Strategic Plan
- Facilitates/mediates among mgmt agencies
 - Appreciated as a neutral, respected facilitator
 - Viewed as having no stake in mgmt actions
 - Viewed as relying on science-driven recommendations

