



Shoreline Biodiversity Investment Areas

Nearshore Terrestrial Ecosystems

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Shoreline Biodiversity Investment Areas



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Shoreline Biodiversity Investment Areas are broad areas of shoreline and associated landscape with clusters of exceptional biodiversity values

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Shoreline Biodiversity Investment Areas





Exceptional biodiversity values

- **Examples of shoreline special communities.**









Exceptional biodiversity values

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- **Concentrations of species of interest.**









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- **Representation of coastal landforms, vegetation, wildlife.**





Exceptional biodiversity values

- Examples of shoreline special communities.
- Concentrations of species of interest.
- Representation of coastal landforms, vegetation, wildlife.
- **Exceptional natural diversity.**

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Exceptional biodiversity values

- Examples of shoreline special communities.
- Concentrations of species of interest.
- Representation of coastal landforms, vegetation, wildlife.
- Exceptional natural diversity.
- **High levels of ecological connectivity.**



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Shoreline Biodiversity Investment Areas





Features and values:

Eastern Lake Superior

Eastern Georgian Bay

Door County Peninsula

Lake St. Clair/Detroit River

Long Point

Eastern Lake Ontario



Threats

Lake Superior Highlands

Saginaw Bay

Presque Isle



Protection

Grand Sable Dunes

Mackinac-Manitoulin

Chicago Wilderness



Assessment

Superior North

Chequamegon Region

Misery Bay

Michigan Islands



Key protection needs

Keweenaw Peninsula

Bruce Peninsula

Green Bay Western Shore

Western Lake Erie



Stewardship vignettes

Ontario Dunes Coalition

Alvar Initiative

World Biosphere Reserve

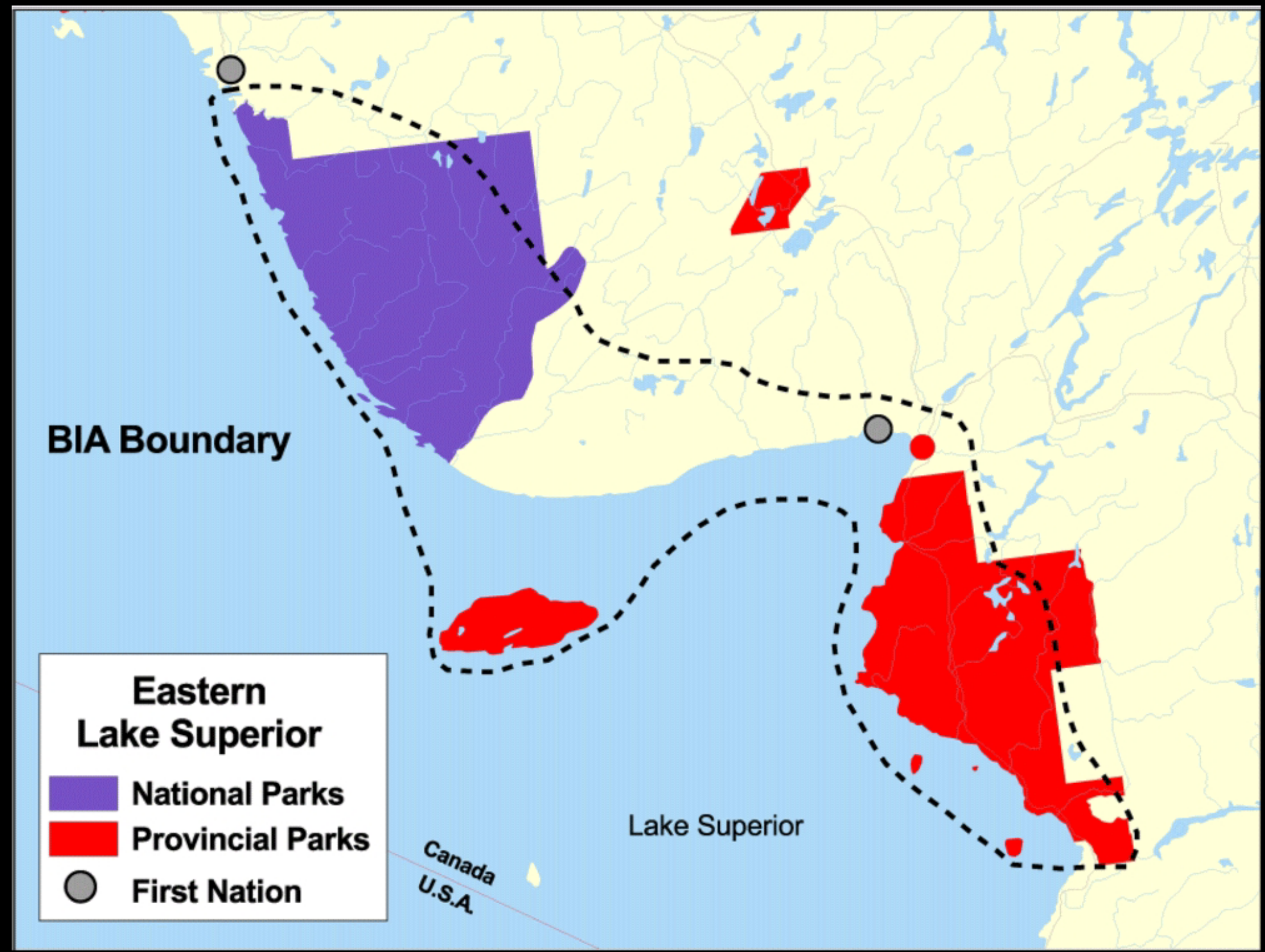
BIA Boundary

**Eastern
Lake Superior**

-  National Parks
-  Provincial Parks
-  First Nation

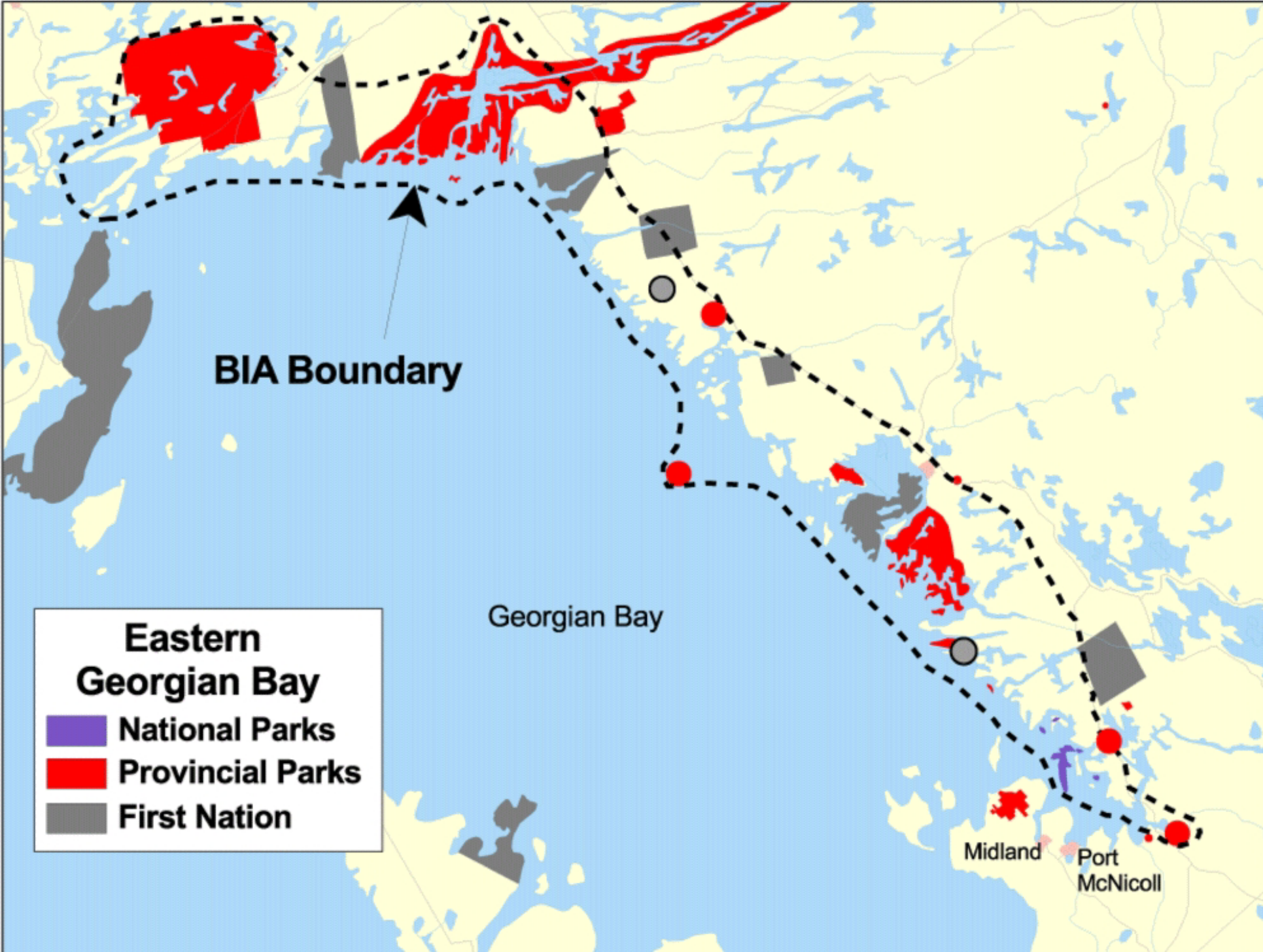
Lake Superior

Canada
U.S.A.









BIA Boundary

Georgian Bay

Midland

Port
McNicoll

**Eastern
Georgian Bay**

-  National Parks
-  Provincial Parks
-  First Nation





Door County & Green Bay

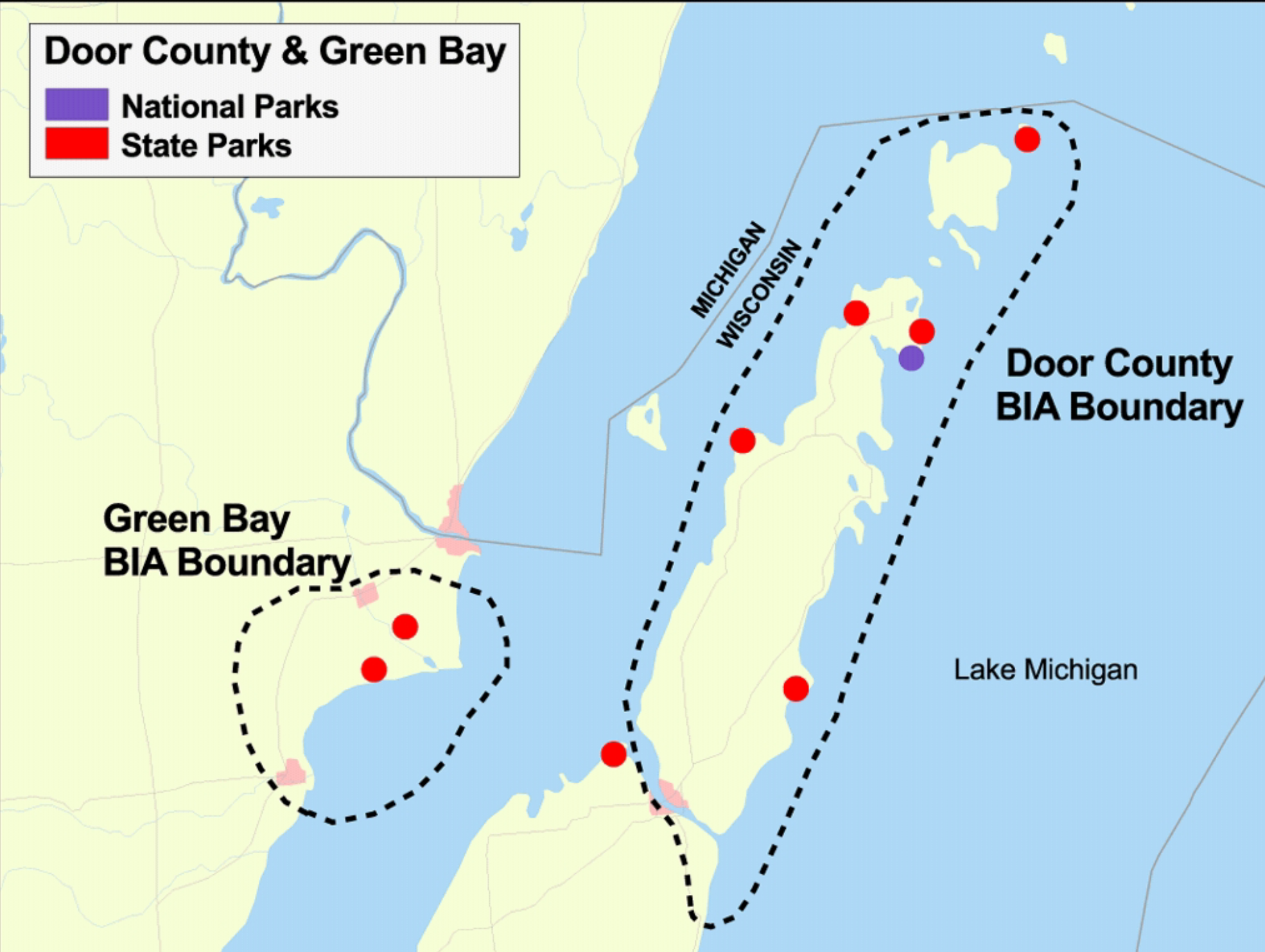
-  National Parks
-  State Parks

**Green Bay
BIA Boundary**

**Door County
BIA Boundary**

MICHIGAN
WISCONSIN

Lake Michigan







Lake St. Clair / Detroit River

-  National Wildlife Areas
-  Provincial / State Parks
-  First Nation
-  Conservation Authority

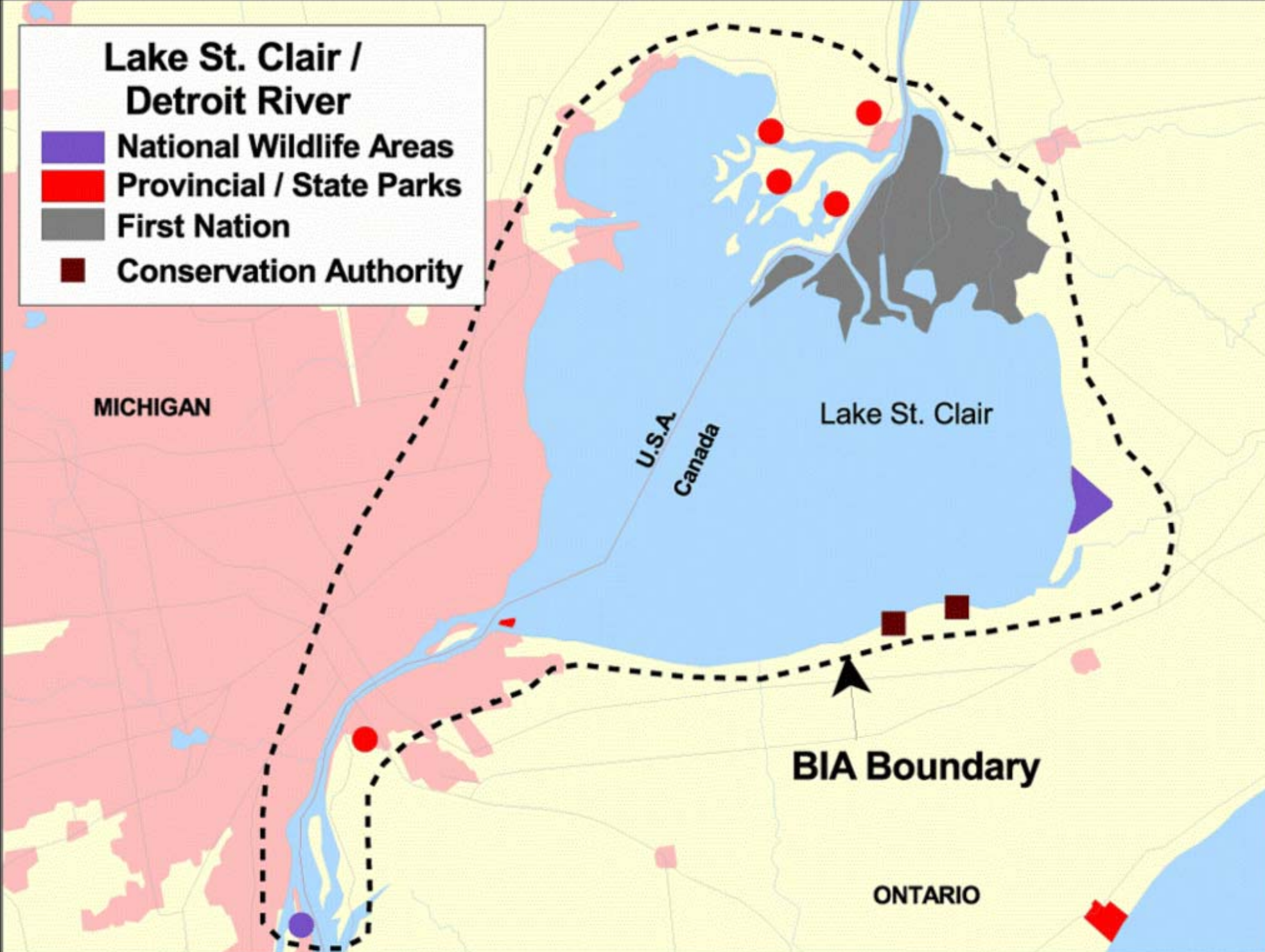
MICHIGAN

U.S.A.
Canada

Lake St. Clair

BIA Boundary

ONTARIO





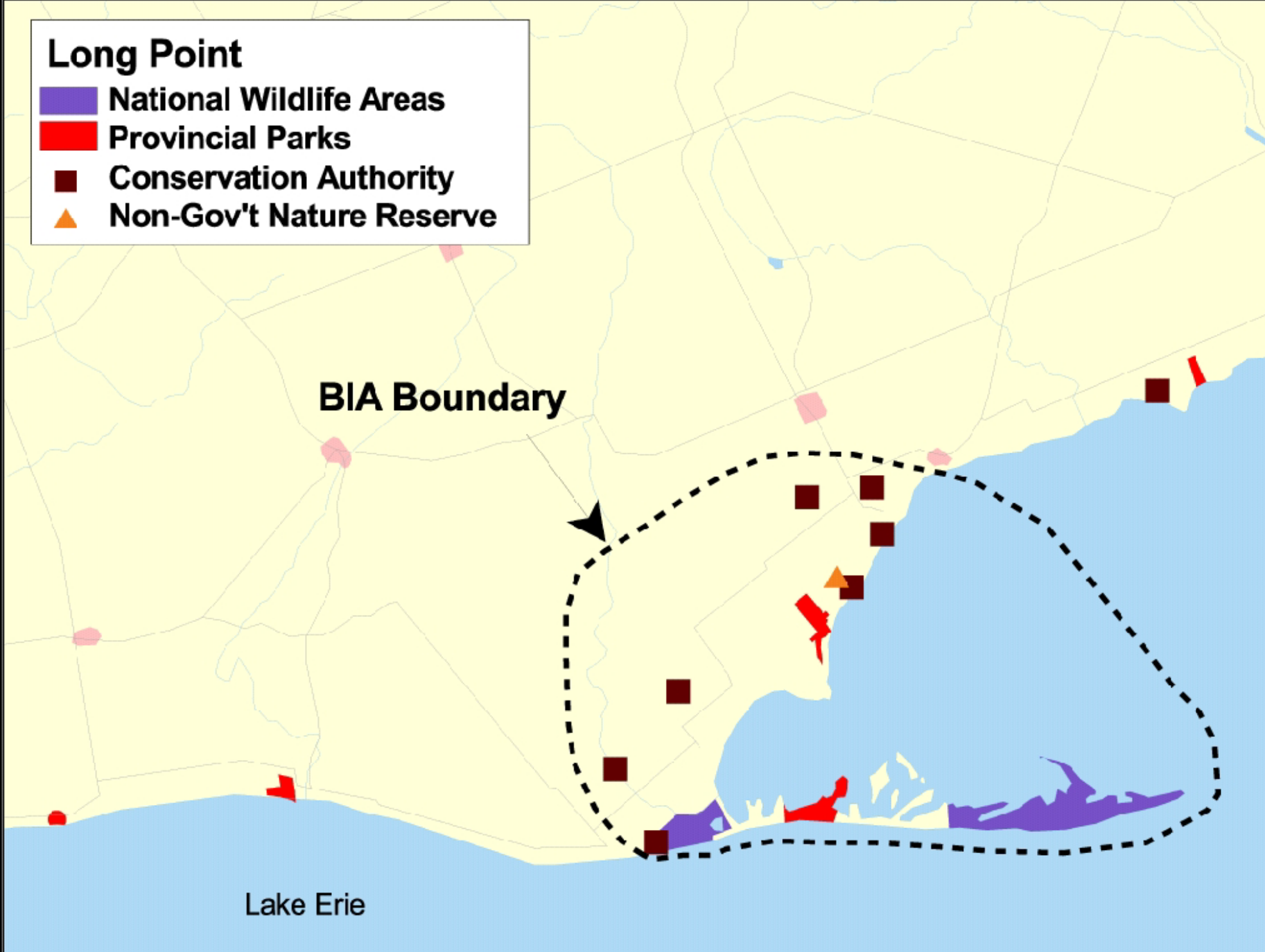


Long Point

-  National Wildlife Areas
-  Provincial Parks
-  Conservation Authority
-  Non-Gov't Nature Reserve

BIA Boundary

Lake Erie







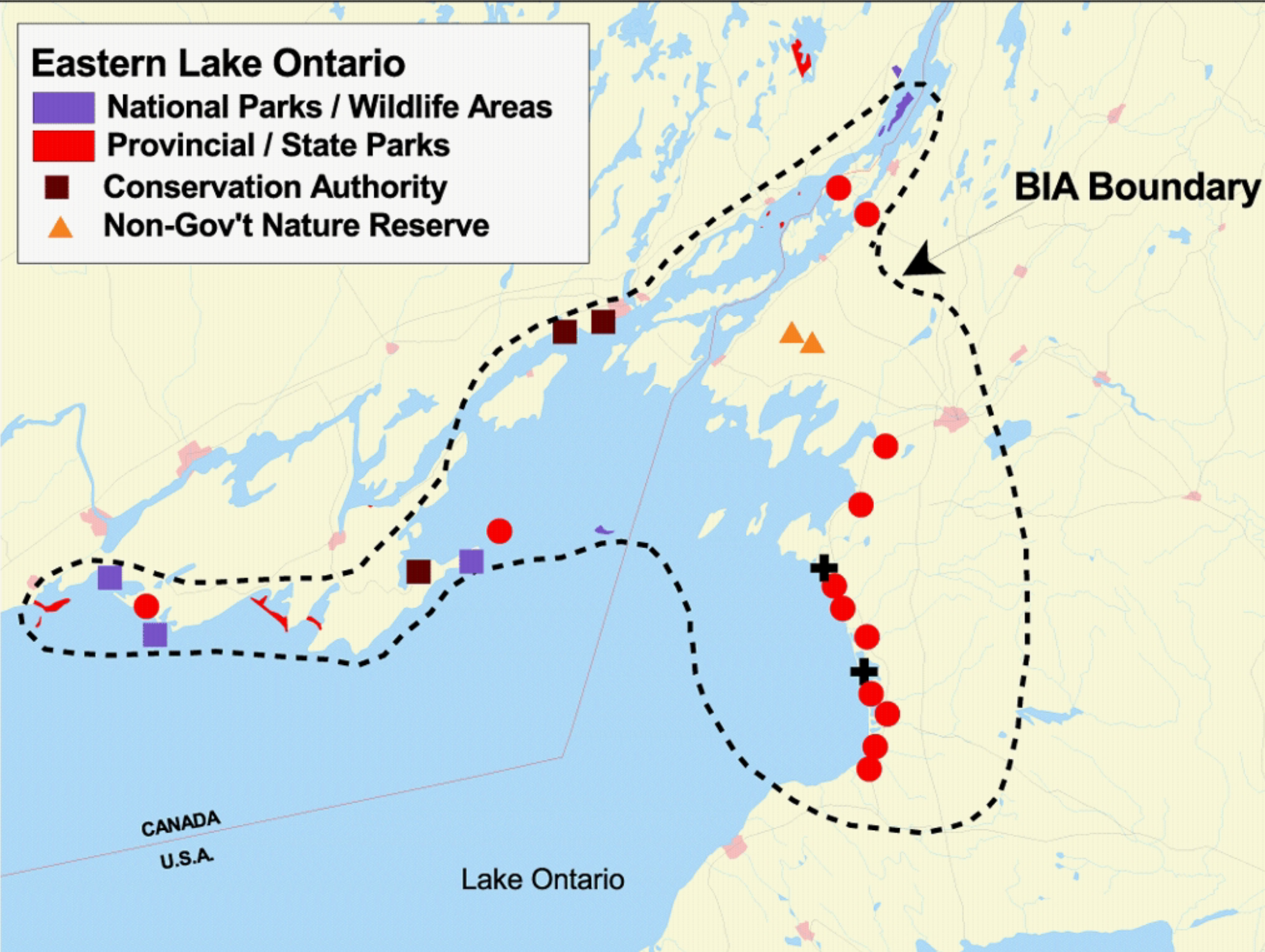
Eastern Lake Ontario

-  National Parks / Wildlife Areas
-  Provincial / State Parks
-  Conservation Authority
-  Non-Gov't Nature Reserve

BIA Boundary

CANADA
U.S.A.

Lake Ontario





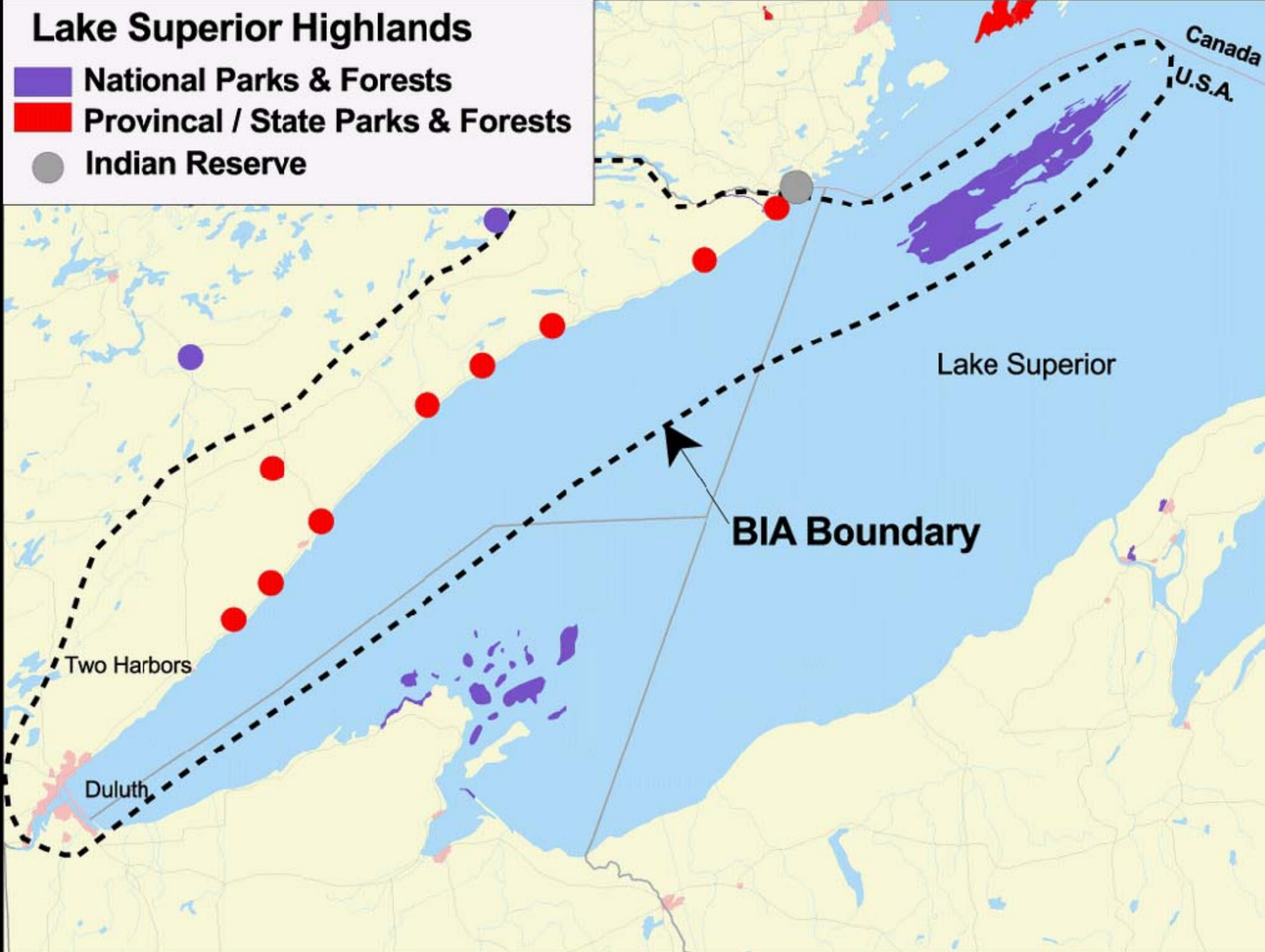




Sand beaches, sand dunes, cobble beaches, bedrock shores, barrier beach, alvar grassland, calcareous pavement barrens, lakeplain prairies, boreal forest, gneissic bedrock, archipelago, Niagara Escarpment, sea caves, oak openings, marshes, migration route . . .

Lake Superior Highlands

-  National Parks & Forests
-  Provincial / State Parks & Forests
-  Indian Reserve







Saginaw & Misery Bay

- Provincial / State
- + Non Gov't



Misery Bay
BIA Boundary

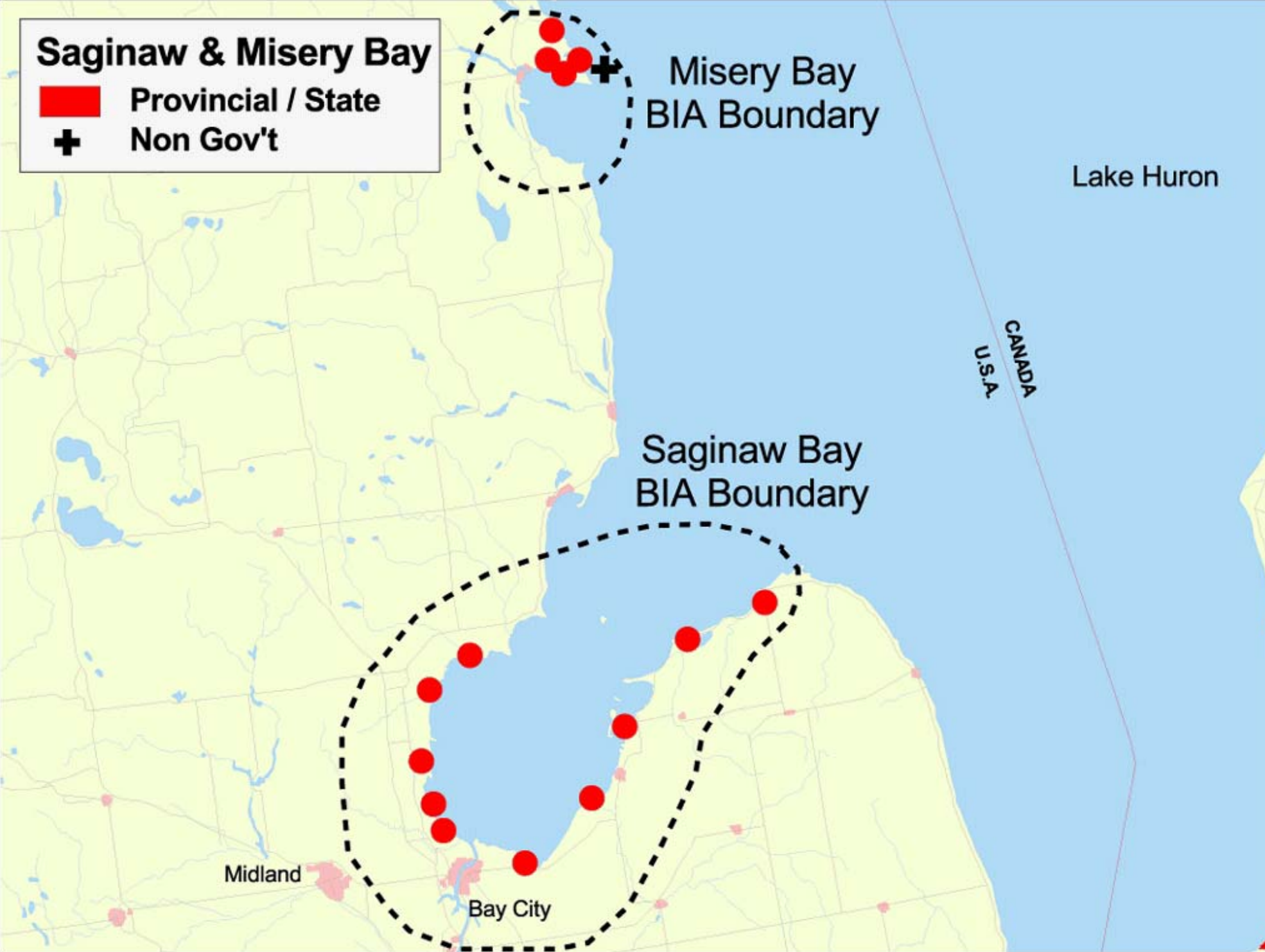
Lake Huron

CANADA
U.S.A.

Saginaw Bay
BIA Boundary

Midland

Bay City







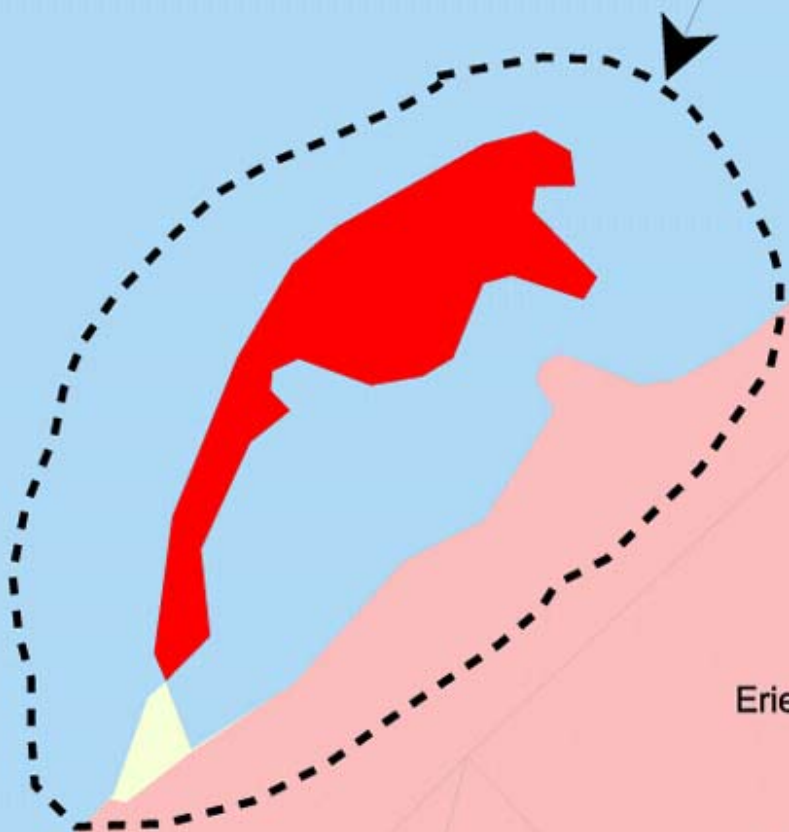
Presque Isle

 **State Parks**

BIA Boundary

Lake Erie

Erie









Development

Alteration of hydrology

Interruption of longshore
sediment transport

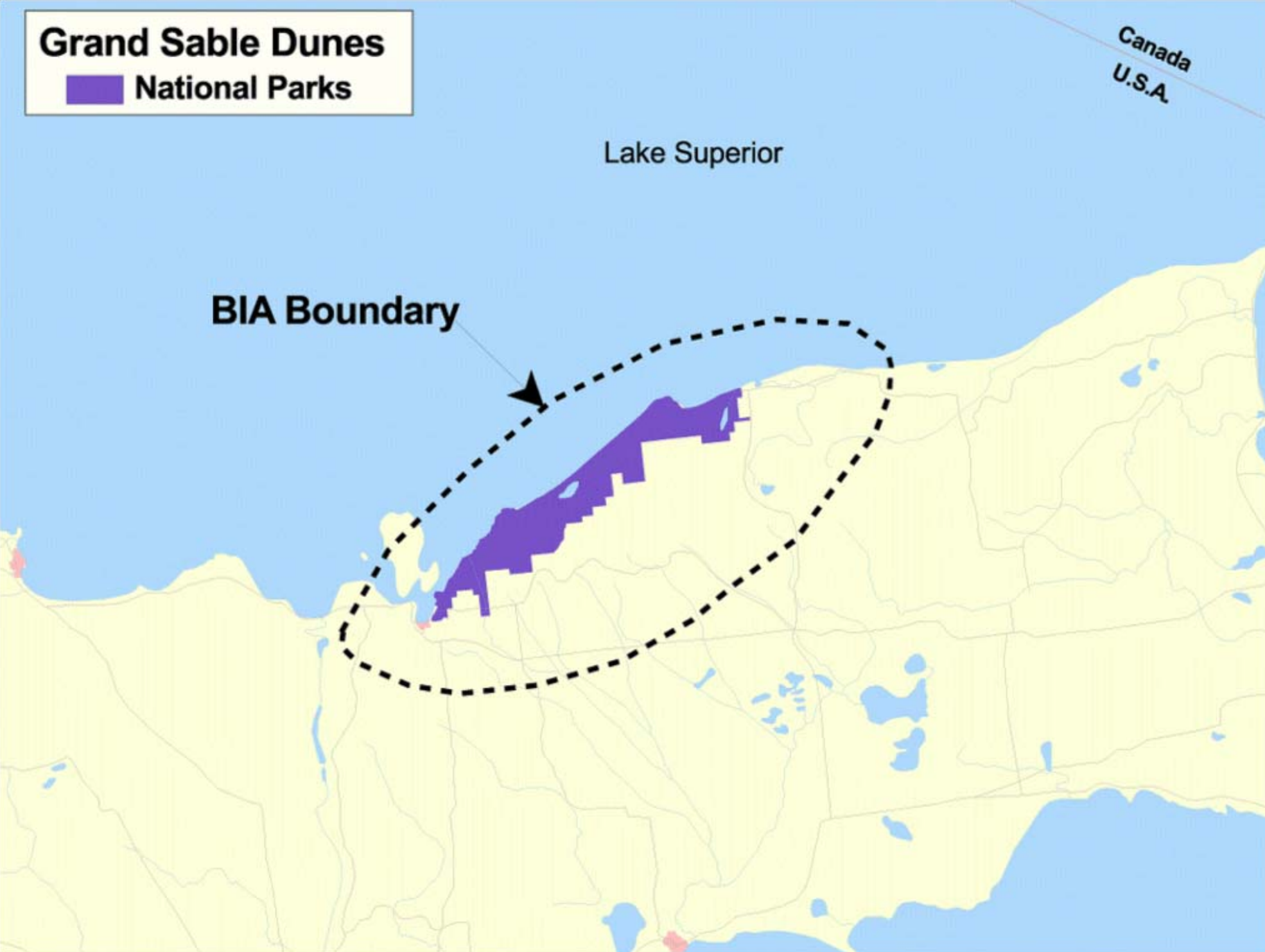
Grand Sable Dunes

 National Parks

Canada
U.S.A.

Lake Superior

BIA Boundary

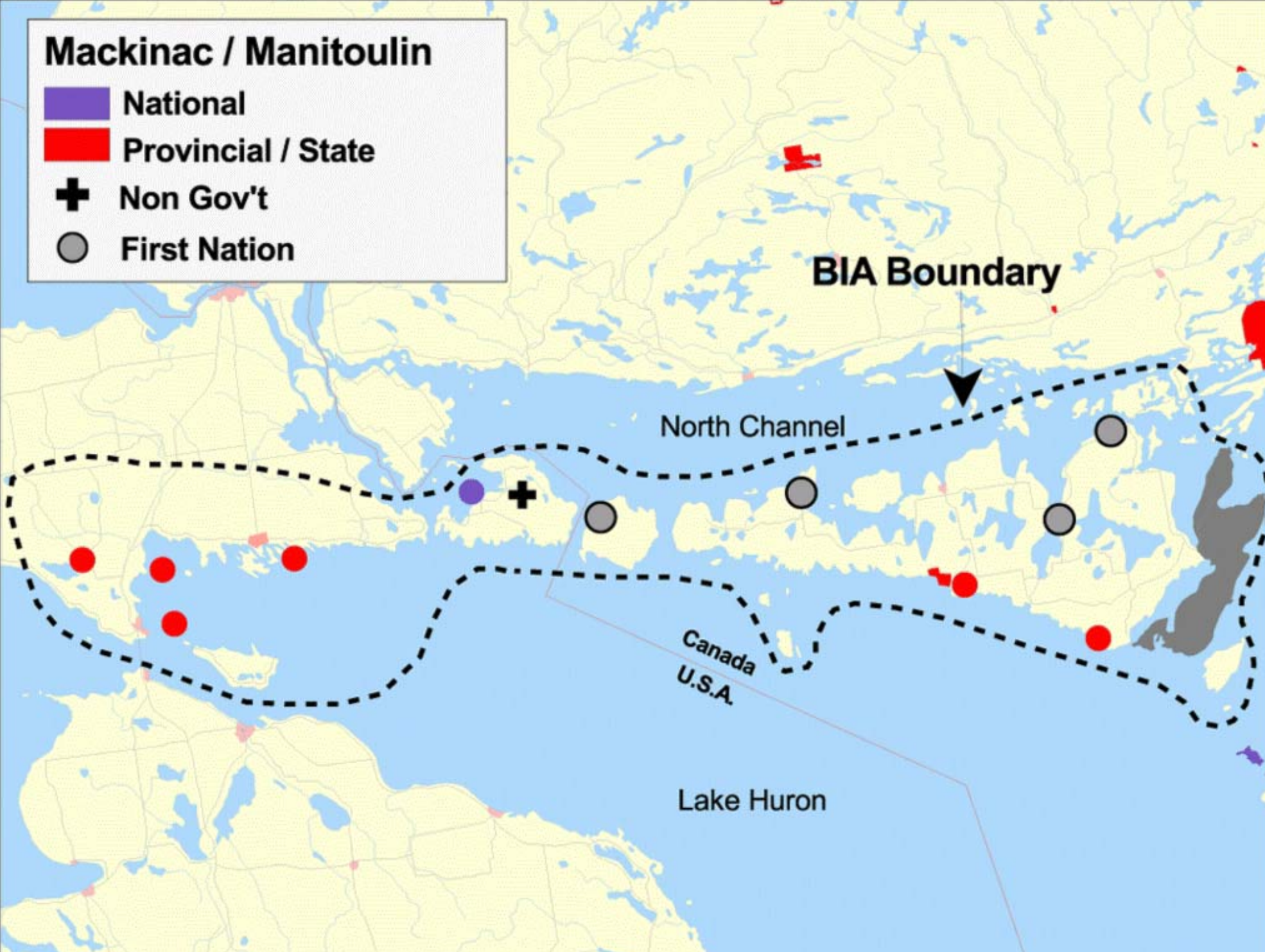






Mackinac / Manitoulin

-  National
-  Provincial / State
-  Non Gov't
-  First Nation

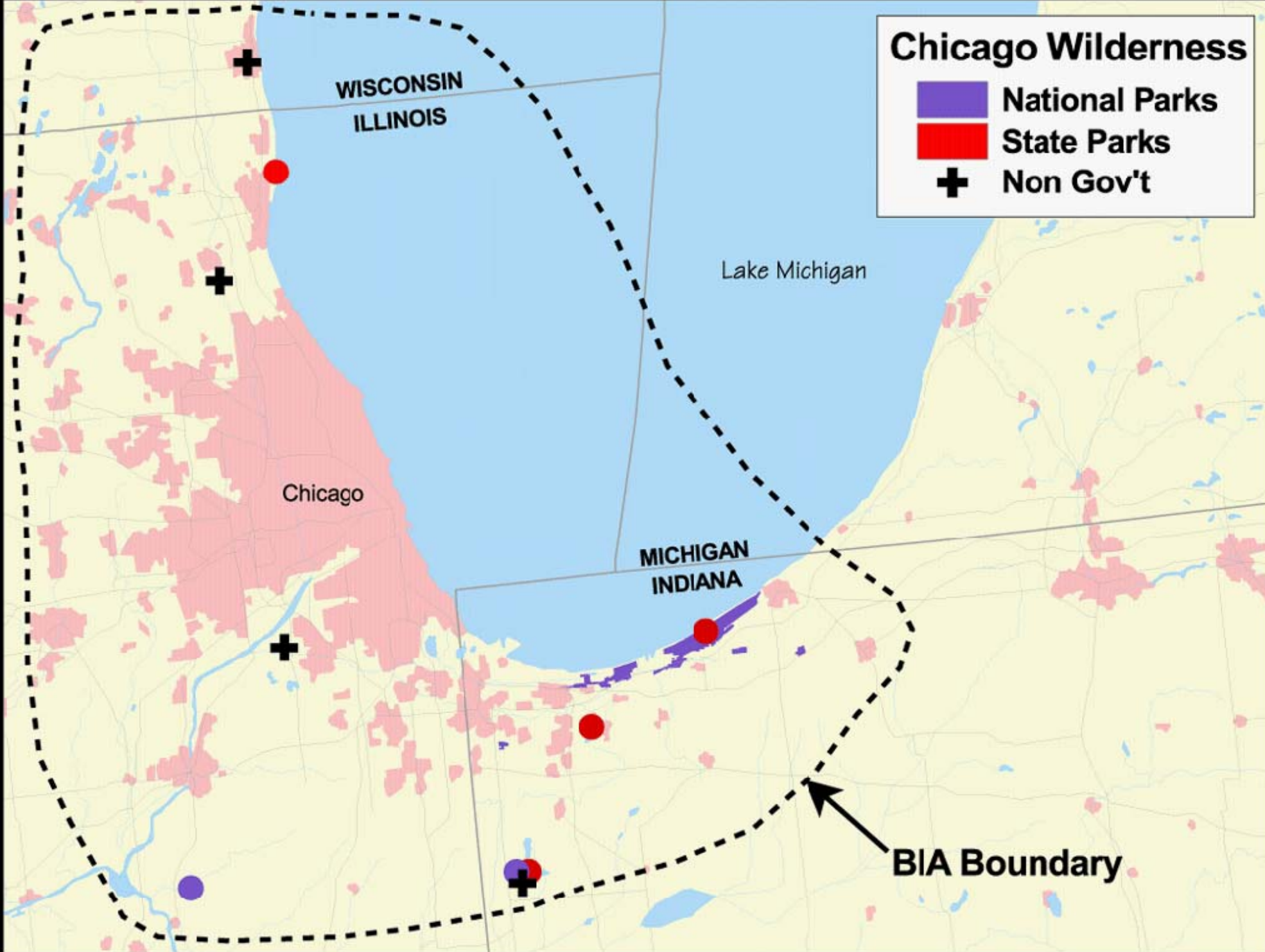






Chicago Wilderness

-  National Parks
-  State Parks
-  Non Gov't



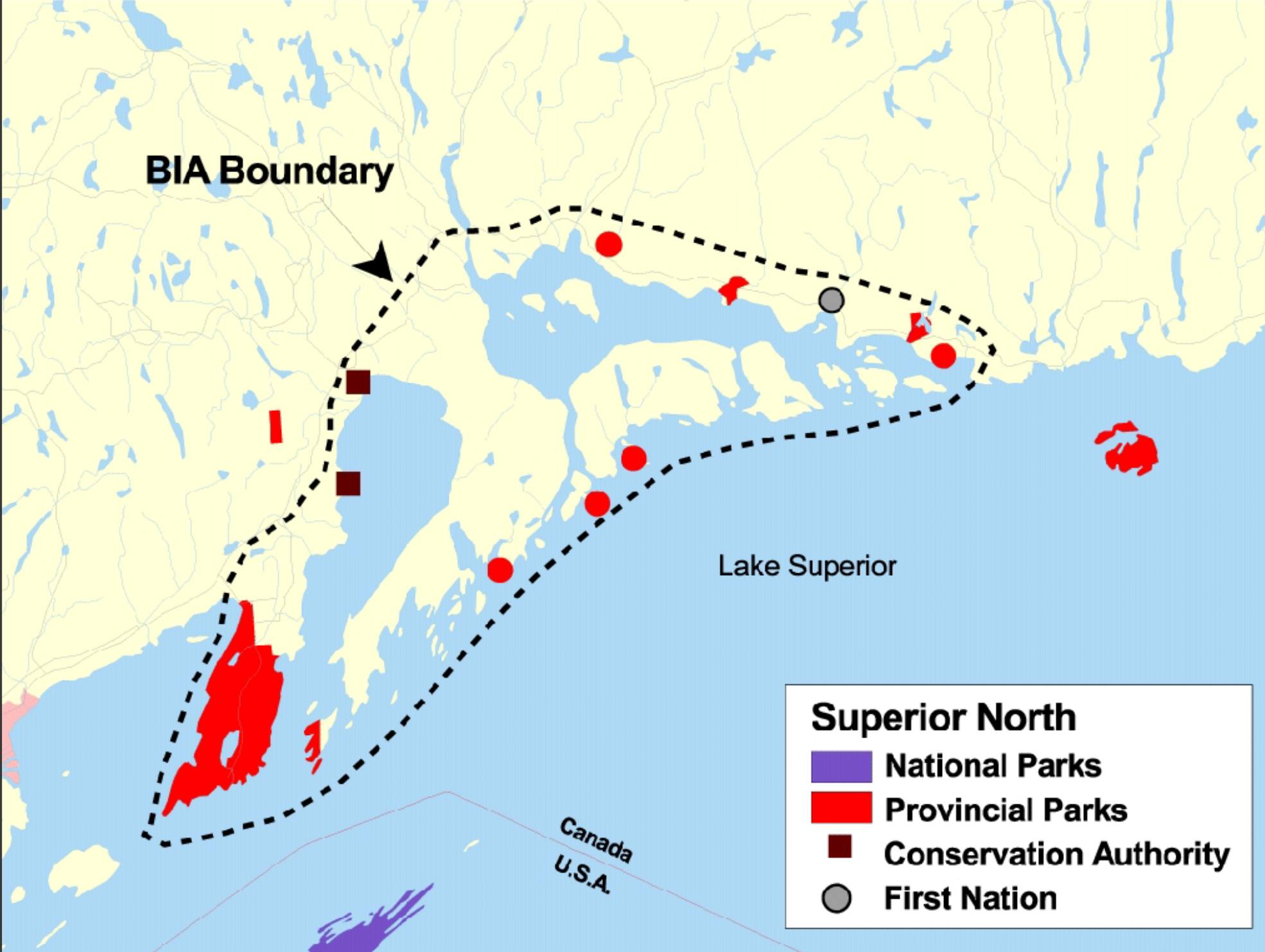






Protection measures summary:

Measures range from good to poor



BIA Boundary

Lake Superior

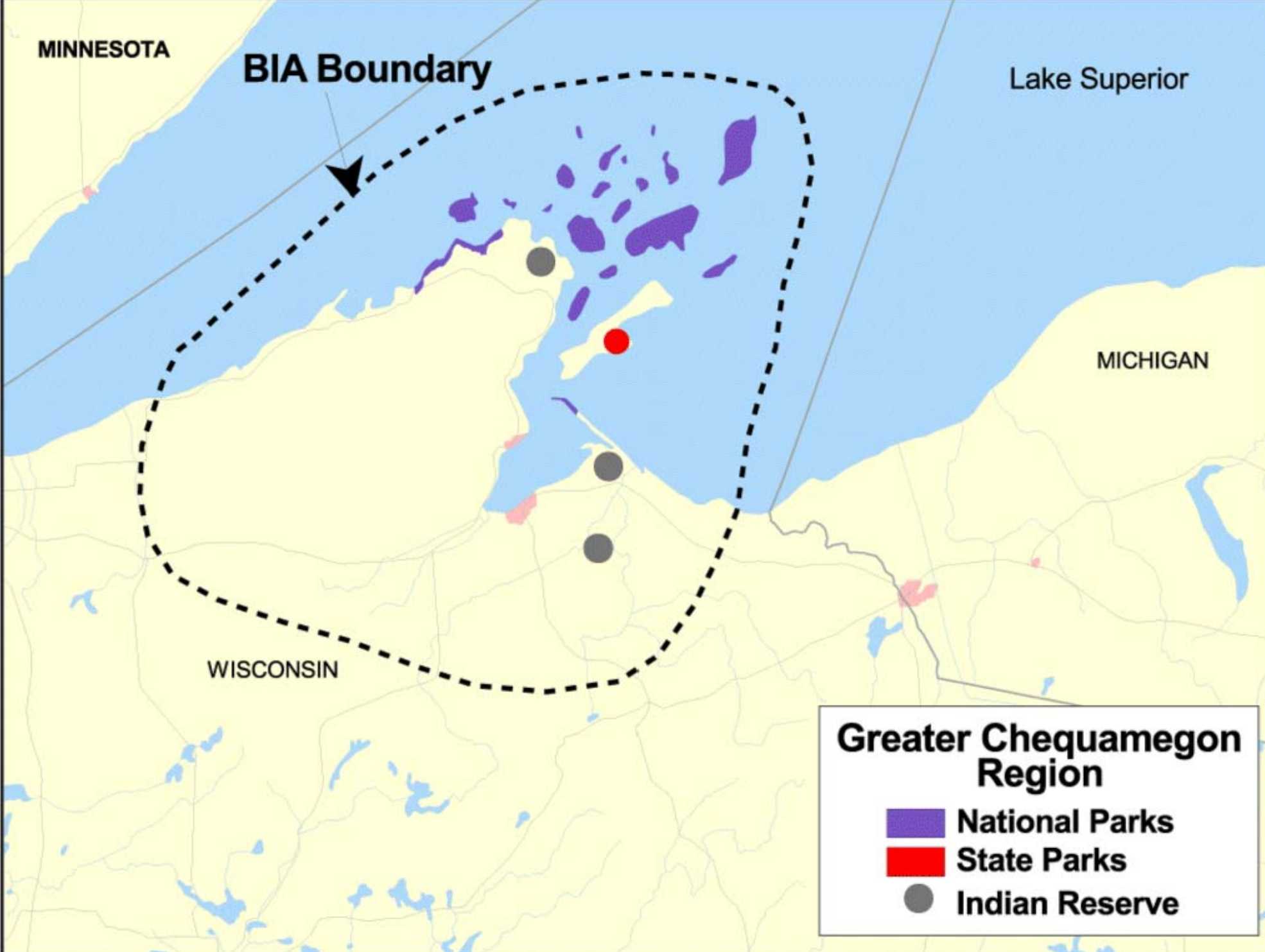
Canada
U.S.A.

Superior North

-  National Parks
-  Provincial Parks
-  Conservation Authority
-  First Nation







MINNESOTA

BIA Boundary

Lake Superior

MICHIGAN

WISCONSIN

Greater Chequamegon Region

-  National Parks
-  State Parks
-  Indian Reserve





Saginaw & Misery Bay

- Provincial / State
- ⊕ Non Gov't



Misery Bay
BIA Boundary

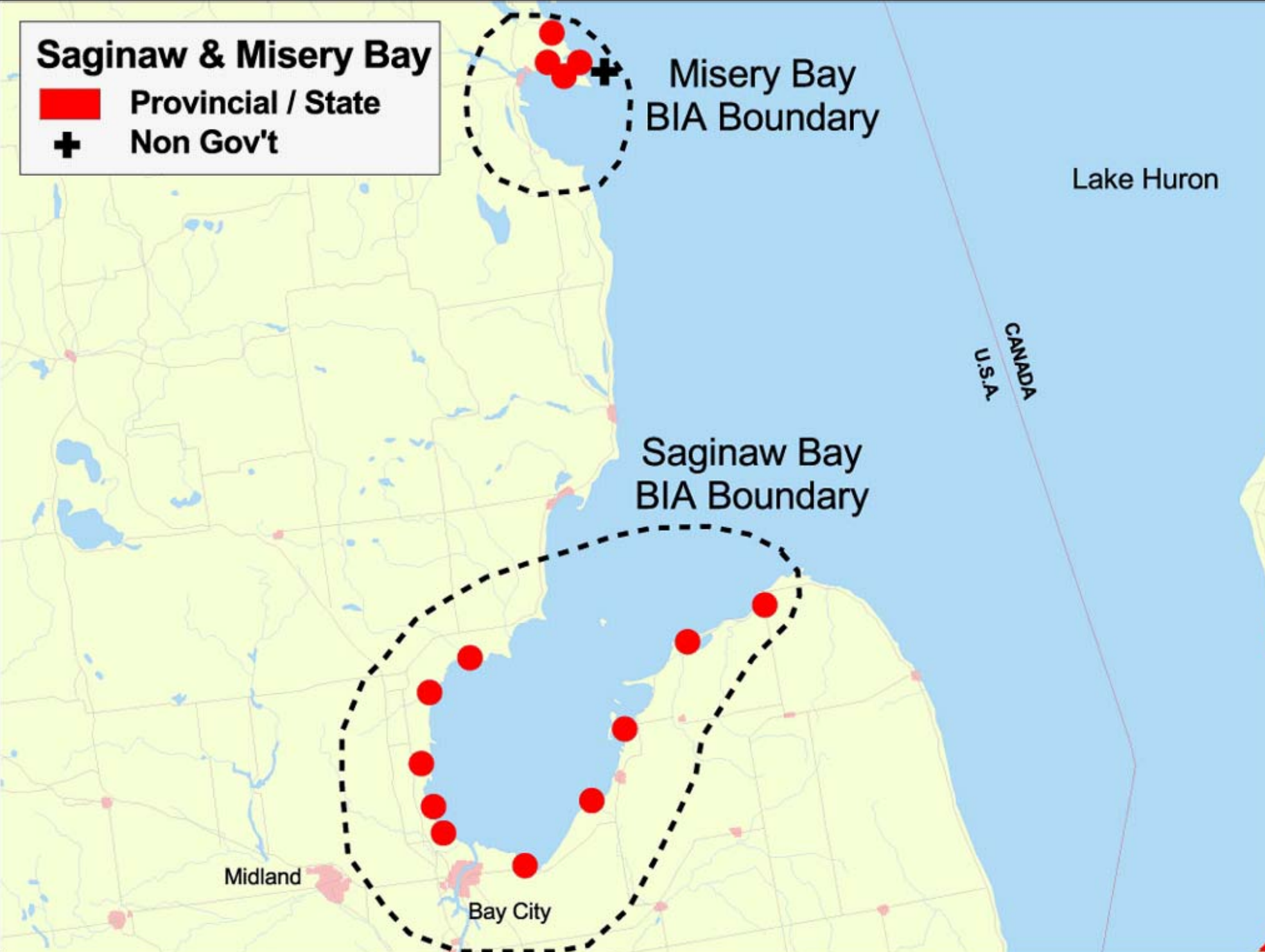
Lake Huron

CANADA
U.S.A.

Saginaw Bay
BIA Boundary

Midland

Bay City

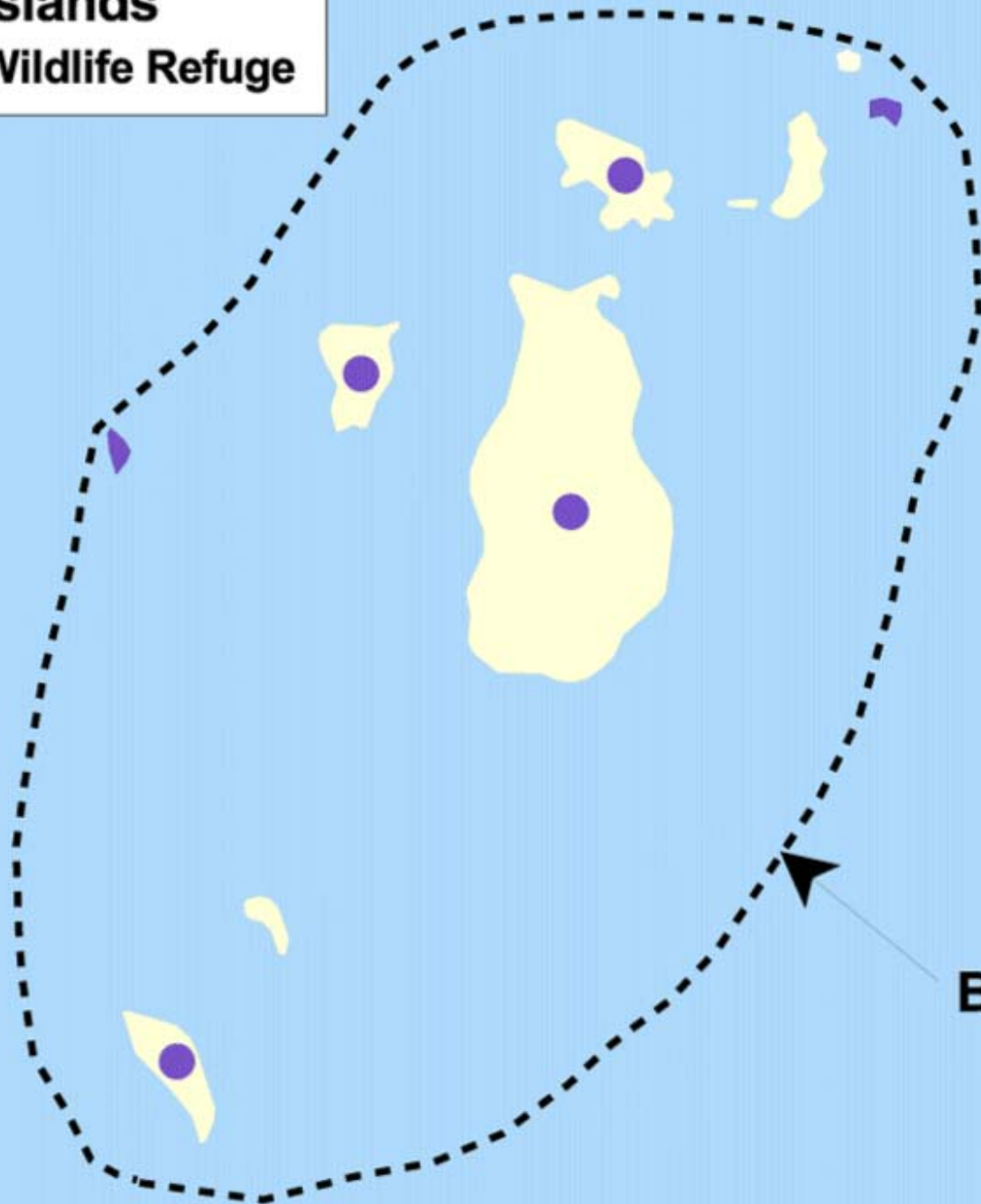






Michigan Islands

■ National Wildlife Refuge



BIA Boundary



Beaver Island Boat Company



SEXI
REPLACEMENT

(816) 547-2311





Assessment Summary:

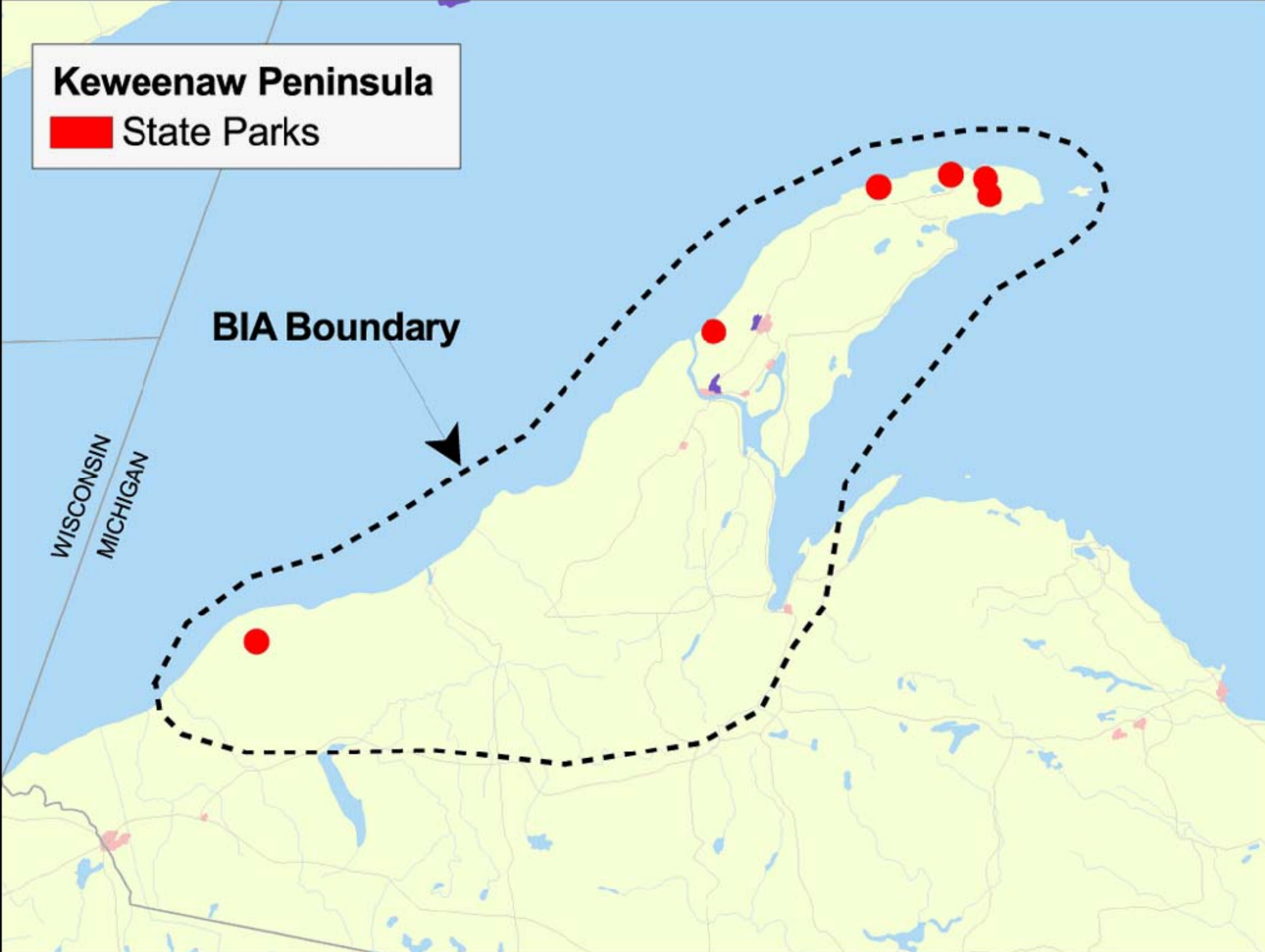
The BIAs are in
“pretty good shape”

Keweenaw Peninsula

State Parks

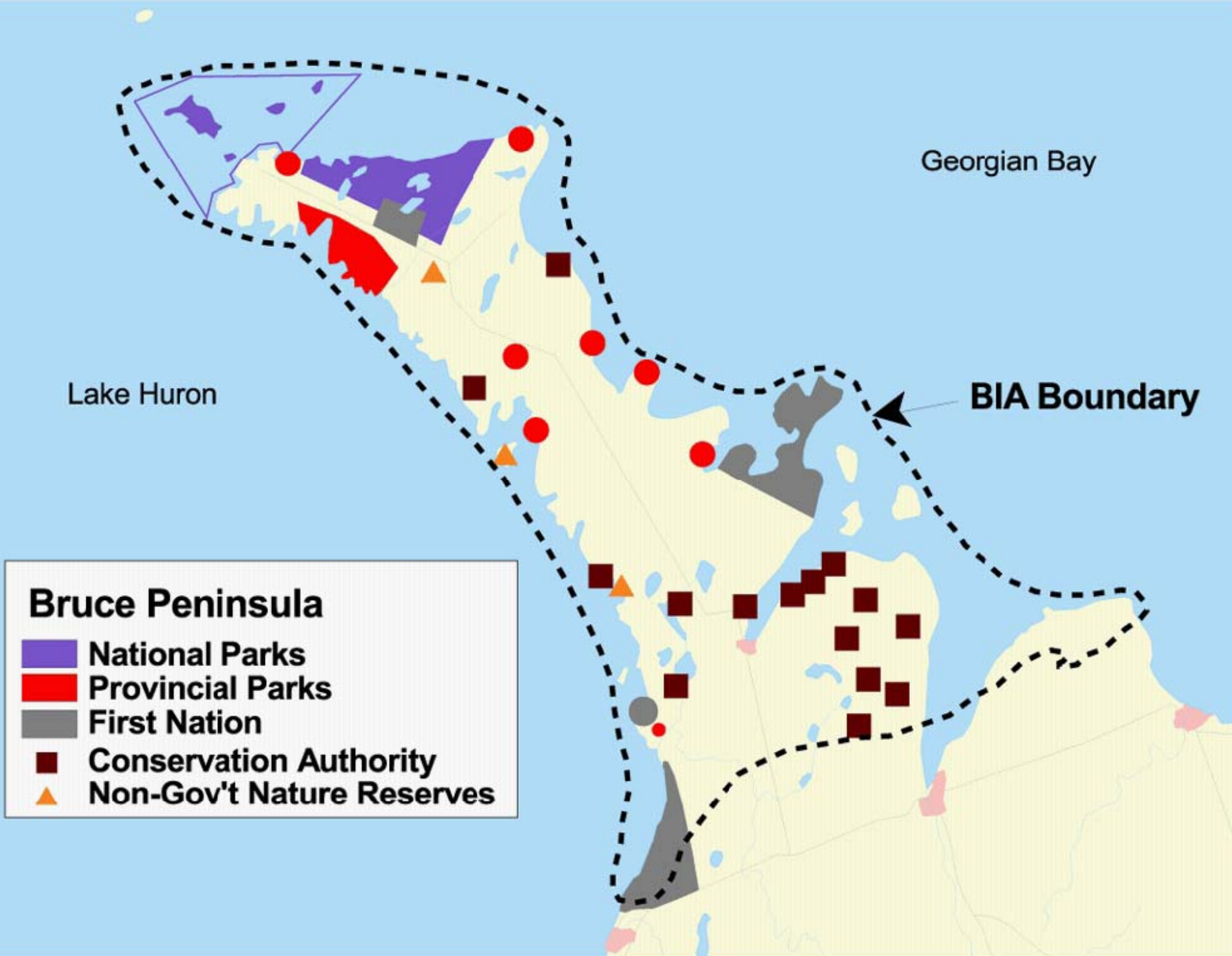
BIA Boundary

WISCONSIN
MICHIGAN













Door County & Green Bay

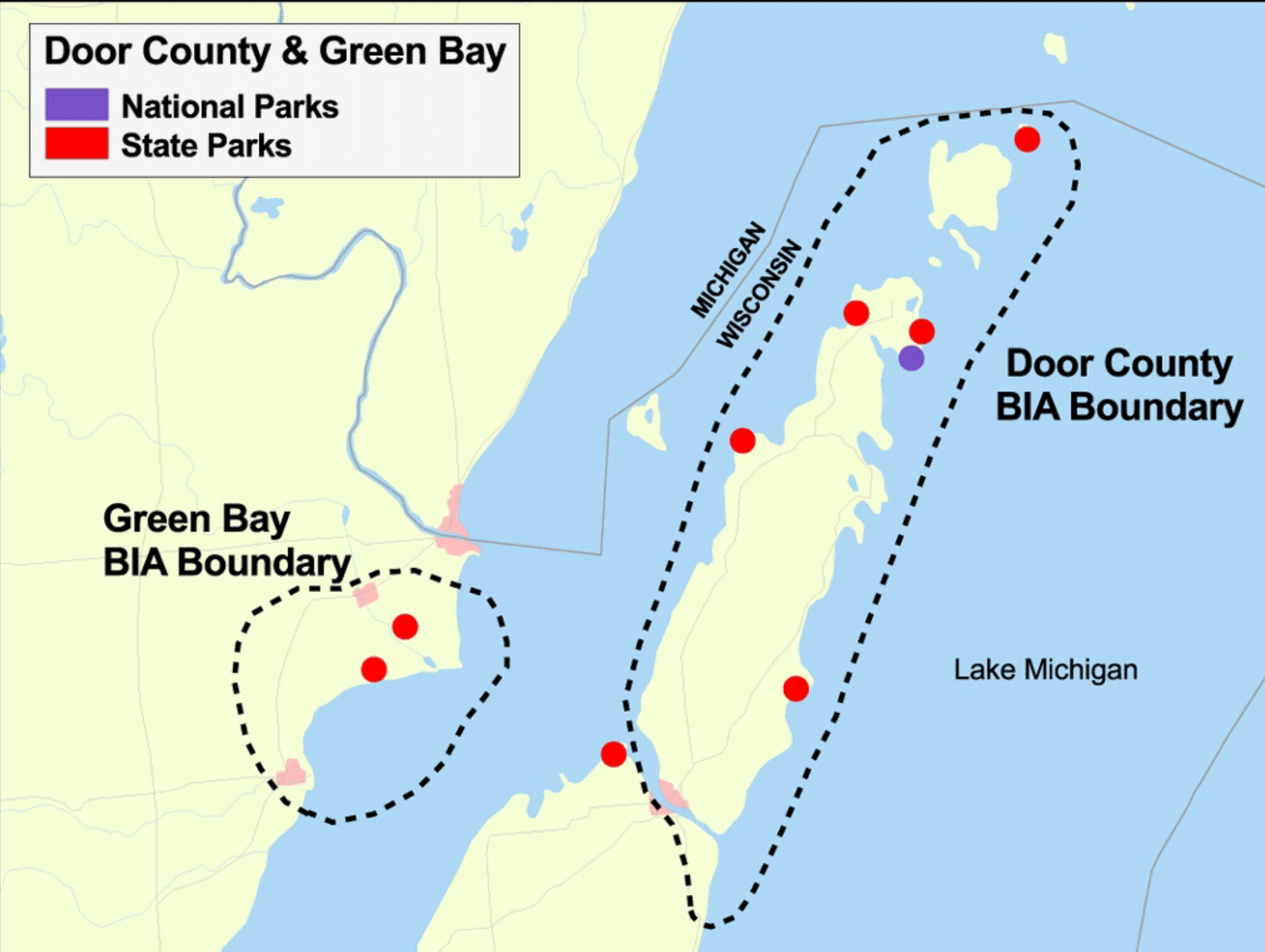
-  National Parks
-  State Parks

**Green Bay
BIA Boundary**

**Door County
BIA Boundary**

MICHIGAN
WISCONSIN

Lake Michigan







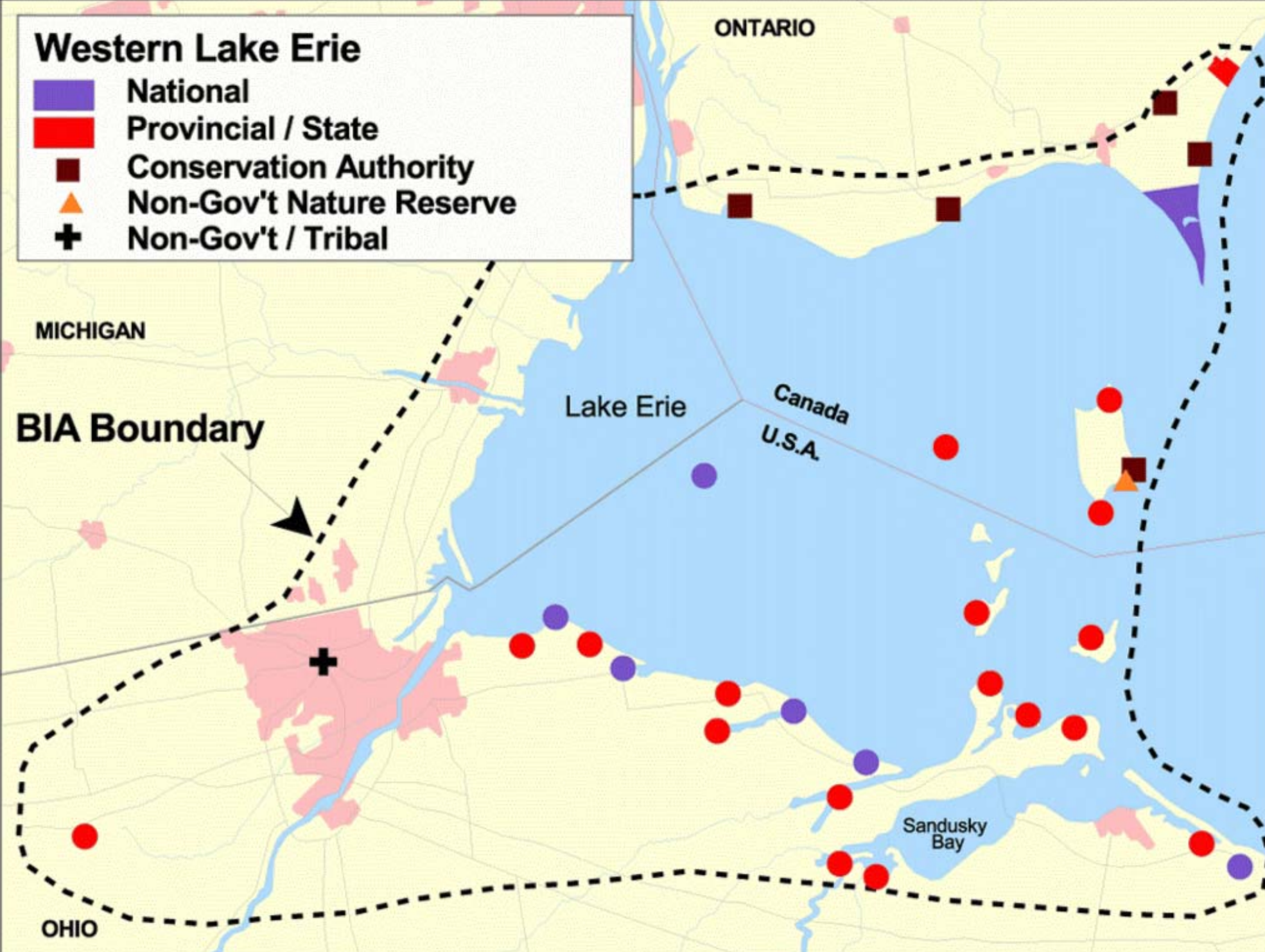
SENSIBA

WILDLIFE AREA

DEPARTMENT OF
NATURAL RESOURCES

Western Lake Erie

-  National
-  Provincial / State
-  Conservation Authority
-  Non-Gov't Nature Reserve
-  Non-Gov't / Tribal









Key Protection Needs

Summary

- Research
- Monitoring
- Active Management
- Building Public Awareness and Support

Stewardship Vignette:

Ontario Dunes Coalition



Stewardship Vignette:



**International Alvar
Conservation Initiative**



Stewardship Vignette:

World Biosphere Reserve

- Core Areas
- Buffer zones
- Zones of Cooperation



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