

National Park Service Biological Resource Management Division



Exotic Plant Management Teams

Alaska

**Mid-Atlantic
Cooperative**

California

**National Capital
Region**

**Chihuahuan Desert/Southern
Shortgrass Prairie**

**North Coast
Cascades Network**

Colorado Plateau

Northeast

Florida/Caribbean Partnership

Northern Great Plains

Great Lakes

Northern Rockies

**Gulf
Coast**

**Pacific
Islands**

Lake Mead

Southeast



Worthington Glacier, AK - Photo by Judy Daniels



Haleakala NP, Maui - Photo by Judy Daniels

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Great Lakes Exotic Plant Management Team

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Voyageurs National Park, MN



Apostle Islands National Lakeshore, WI



Isle Royale National Park, MI



Saint Croix National Scenic Riverway, MN



Pictured Rocks National Lakeshore, MI



Mississippi National River & Rec. Area, MN



Indiana Dunes National Lakeshore, IN



Sleeping Bear Dunes Nat. Lakeshore, MI

Great Lakes Exotic Plant Management Team

Host and Partner Parks

National Park Service
U.S. Department of the Interior



| Parks | Acre |
|--|------------------|
| Apostle Islands National Lakeshore | 69,327 |
| Indiana Dunes National Lakeshore | 17,266 |
| Isle Royale National Park | 557,742 |
| Mississippi National River and Recreation Area | 53,804 |
| Picture Rocks National Lakeshore | 68,650 |
| Saint Croix National Scenic River | 98,007 |
| Sleeping Bear Dunes National Lakeshore | 70,101 |
| Voyageurs National Park | 204,426 |
| Total Acreage | 1,139,323 |

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Great Lakes Top Ten Species

Exotic Plant Inventory Work

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- Garlic Mustard
- Multiflora Rose
- Buckthorn
- Non-Native Honeysuckles
- Purple Loosestrife
- Common Reed
- Spotted Knapweed
- Baby's Breath
- Leafy Spurge



Sleeping Bear Dunes National Lakeshore, MI

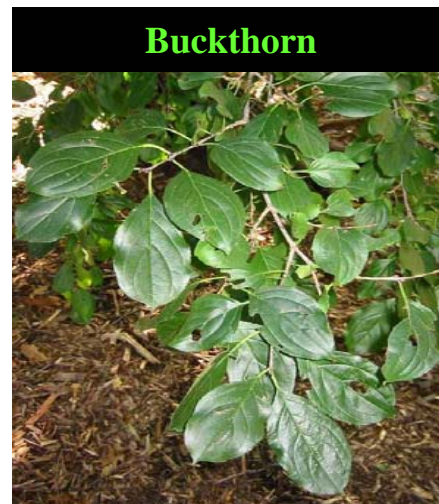
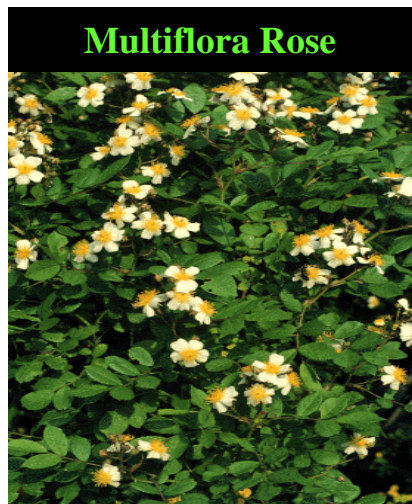
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Great Lakes

Threats to woodlands....



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Threats to wetlands....



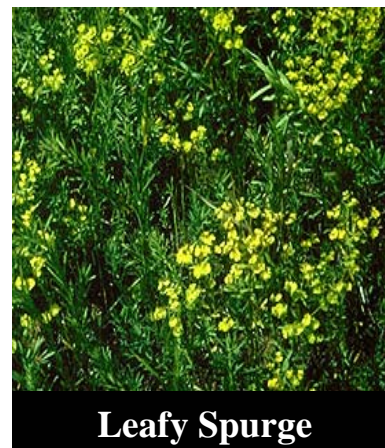
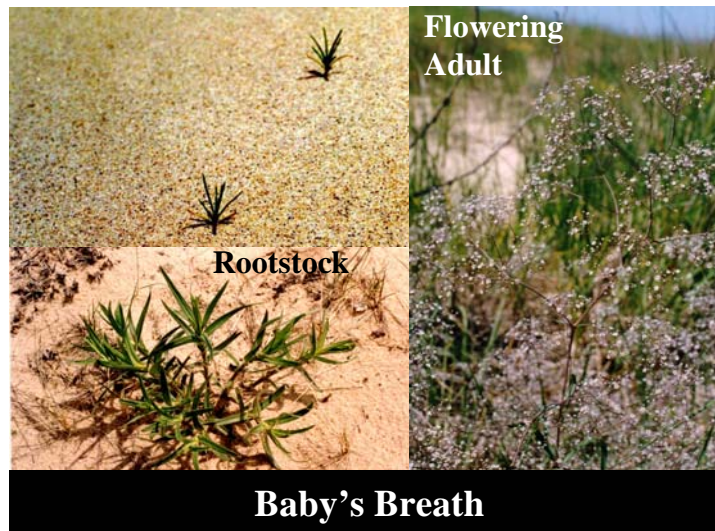
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Threats to dune systems....



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Great Lakes Control

Purple Loosestrife at Apostle Islands National Lakeshore



Herbicide application to
individual plants

Release of leaf-feeding
beetles (*Galerucella* spp.)



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Great Lakes Control

Spotted Knapweed Control at Pictured Rocks National Lakeshore



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Great Lakes Site Recovery

Spotted Knapweed Removal Project at Pictured Rocks National Lakeshore

This population of Spotted Knapweed, discovered on private property near the boundary of Pictured Rocks NL, was determined to be the source of infestation into the park.



Pictured Rocks National Lakeshore, MI



Pictured Rocks National Lakeshore, MI

Neighboring landowners were contacted and the population removed by the EPMT.

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Impacts to Threatened & Endangered Species...

**Spotted knapweed impacts the
dune habitat of the Federally
threatened Pitcher's thistle at
Pictured Rocks NL**



**Baby's breath seedlings
march toward a Pitcher's
thistle seedling at Sleeping
Bear Dunes NL**

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Spotted Knapweed poses a serious threat to the fragile dune systems of the Great Lakes Region.

Once established, knapweed tends to dominate the site thus reducing the abundance and diversity of native communities.

The most effective control is early detection and removal of pioneering plants.

