Great Lakes Aquatic Invasives TCN:

DOCUMENTING THE OCCURRENCE THROUGH SPACE & TIME OF AQUATIC NON-INDIGENOUS FISH, MOLLUSKS, ALGAE, & PLANTS THREATENING NORTH AMERICA'S GREAT LAKES

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Digitization TCN: Great Lakes Invasives- Collaborator Map



1. Univ of WI-Madison (WIS)

- 2. Univ of WI-Steven's Point
- 3. Univ of WI-Milwaukee
- 4. Univ of WI-LaCrosse
- 5. University of Minnesota
- 6. Michigan State University

7. Field Museum (F / FMNH)

- 8. University of Illinois / ILNHS
- 9. Morton Arboretum ***
- 10. University of Notre Dame
- 11. Butler University

12. Univ of Michigan (MICH)

- 13. Central Michigan University
- 14. MI Small Herbaria Network ++
- 15. Miami University
- 16. Ohio State University
- 17. Ohio University

18. NY Botanical Garden (NY)

19. New York State Museum

20. Université de Montréal / Canadensys

(21. Arizona State Univ / Symbiota)

Taxonomic Targets:



GLANSIS maintains a Database of invasive and potentially invasive species

- plants: 49 genera (2147 spp. of these genera in North America)

- fish: 38 genera (290 spp.)

- mollusks: 14 genera (113 spp.)

= 2,550 Species in 101 Genera

http://GreatLakesInvasives.org



GREAT LAKES INVASIVES NETWORK

Aquatic Invasives Homepage

Fish Collections

Mollusk Collections

Plant Collections

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One of the greatest threats to the health of North America's Great Lakes is invasion by exotic species, several of which already have had catastrophic impacts on property values, the fisheries, shipping, and tourism industries, and continue to threaten the survival of native species and wetland ecosystems. This bi-national thematic collections network of >20 institutions from eight states and Canada will digitize 1.73 million historical specimens representing 2,550 species of exotic fish, clams, snails, mussels, algae, plants, and their look-alikes documented to occur in the Great Lakes Basin. Others have been placed on watchlists because of their potential to become aquatic invasives.

Several initiatives are already in place to alert citizens to the dangers of spreading aquatic invasives among our nation's waterways, but this project will develop complementary scientific and educational tools for scientists, wildlife officers, teachers, and the public who have had little access to images or data derived directly from preserved specimens collected over the past three centuries. This award is made as part of the National Resource for Digitization of Biological Collections through the Advancing Digitization of Biological Collections program and all data resulting from this award will be available through the national resource (iDigBio.org).

Join the network as a regular visitor and please send your feedback to Ken Cameron

Final Results:

PLANTS: USA

PLANTS: Canada

FISH

MOLLUSKS

Objectives

>637,000 sheets

>102,000 lots

> 44,000 lots

Results

762,725 records

+122,143

107,712 records

45,991 records

>783,000 'specimens'

TOTAL RECORDS IN PORTAL: 1,038,571























Broader impacts...

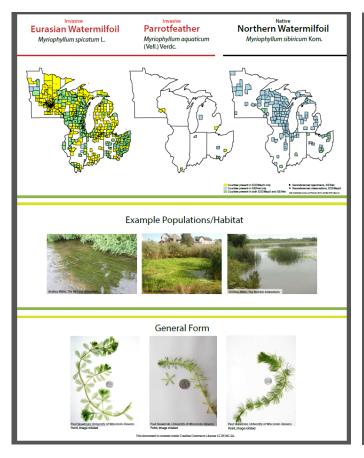
Aquatic Invasive Plant Guide Species List \ Games

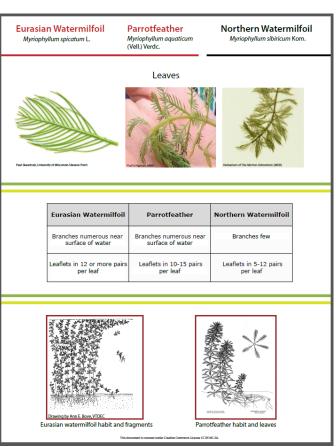
Authors: Andrea Miller, Lindsey Worcester, Andrew Hipp, and Kenneth Cameron **Citation:** http://midwestherbaria.org/portal/misc/guide/AquaticInvasivePlantGuide.pdf More Details

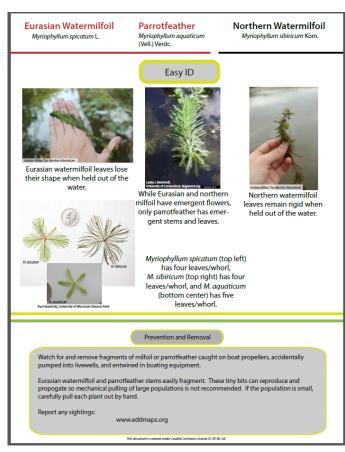
Families: 12 Genera: 21

Species: 26 (species rank)

Total Taxa: 26 (including subsp. and var.)











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Welcome to the Consortium of Midwest Herbaria

While focused around the Great Lakes drainage basin, the region includes the six states that border the western Great Lakes: Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin. 132 herbaria are listed in Index Herbariorum (Thiers, B. [continuously updated]) from this region; we hope to eventually make data available from a majority of those collections.

The Great Lakes basin includes 84% of North American surface fresh water and includes a mixture of habitat types amidst a landscape that has been highly modified by agricultural and industrial uses and is home to 16% of the US population (US Census Bureau, 2014 estimates). Areas to the south and west of the lakes include lands which form portions of the Mississippi and Ohio River basins; much of this land escaped major glaciation. Plants and communities in the region are diverse, ranging from boreal forest to southern hardwoods, prairies, bogs and fens.

SEINet Network. Please send questions or comments to

Plant of the Day

Search



What is this plant? Click here to test your knowledge

47 collections

- 1,929,668 occurrence records
- 493,018 (26%) georeferenced
- 1,314,812 (68%) occurrences imaged
- 1,799,805 (93%) identified to species
- 741 families
- 6,455 genera
- 47,846 species
- 56,279 total taxa (including subsp. and var.)

Show Statistics per Collection 5

http://MidwestHerbaria.org

