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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2014-2017 [2018]

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Integrated Digitized Biocollections

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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).

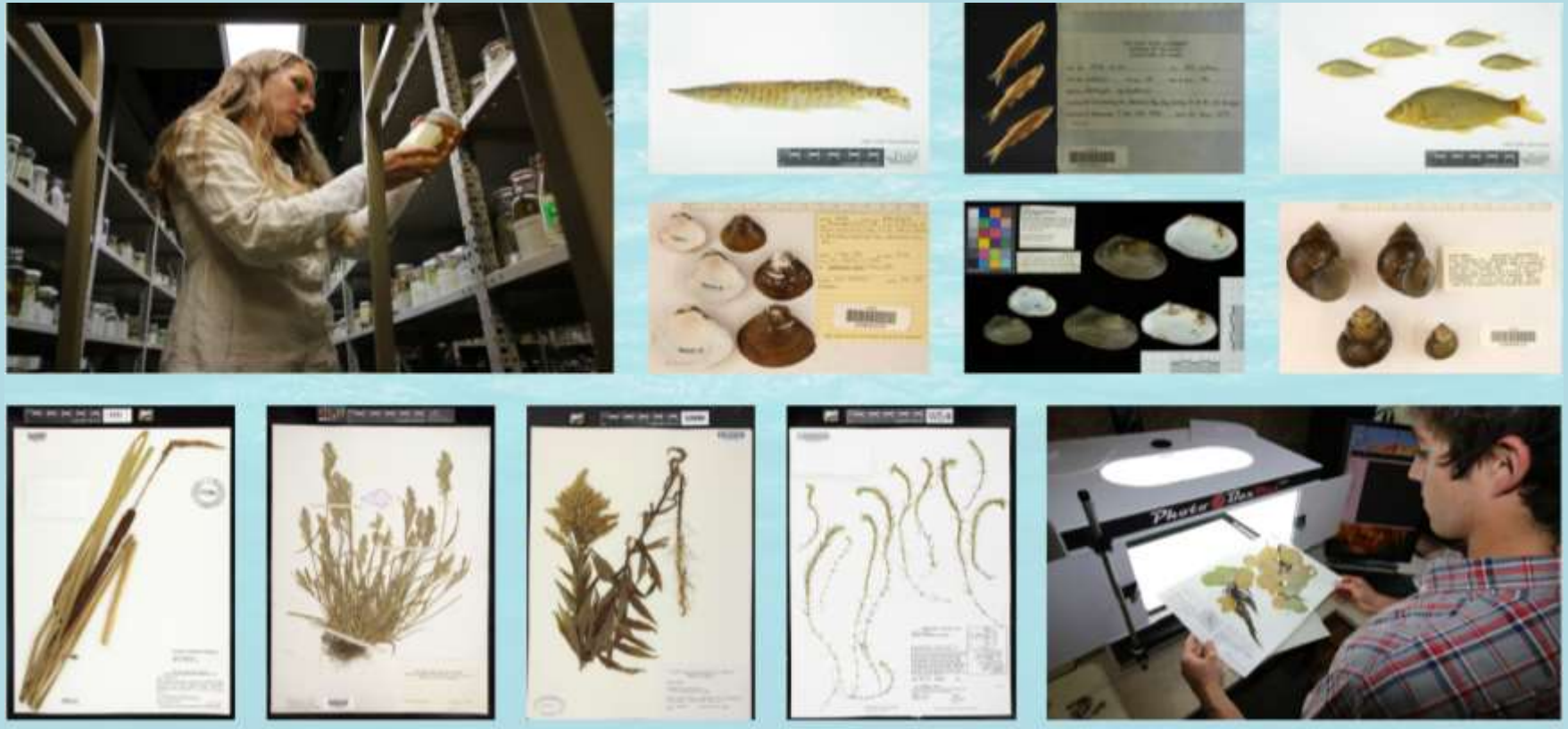
Join the network as a regular visitor and please send your feedback to Ken Cameron

Final Results:

	Objectives	Results
PLANTS: USA	>637,000 sheets	762,725 records
PLANTS: Canada		+122,143
FISH	>102,000 lots	107,712 records
MOLLUSKS	> 44,000 lots	45,991 records

>783,000 'specimens'

TOTAL RECORDS IN PORTAL: 1,038,571



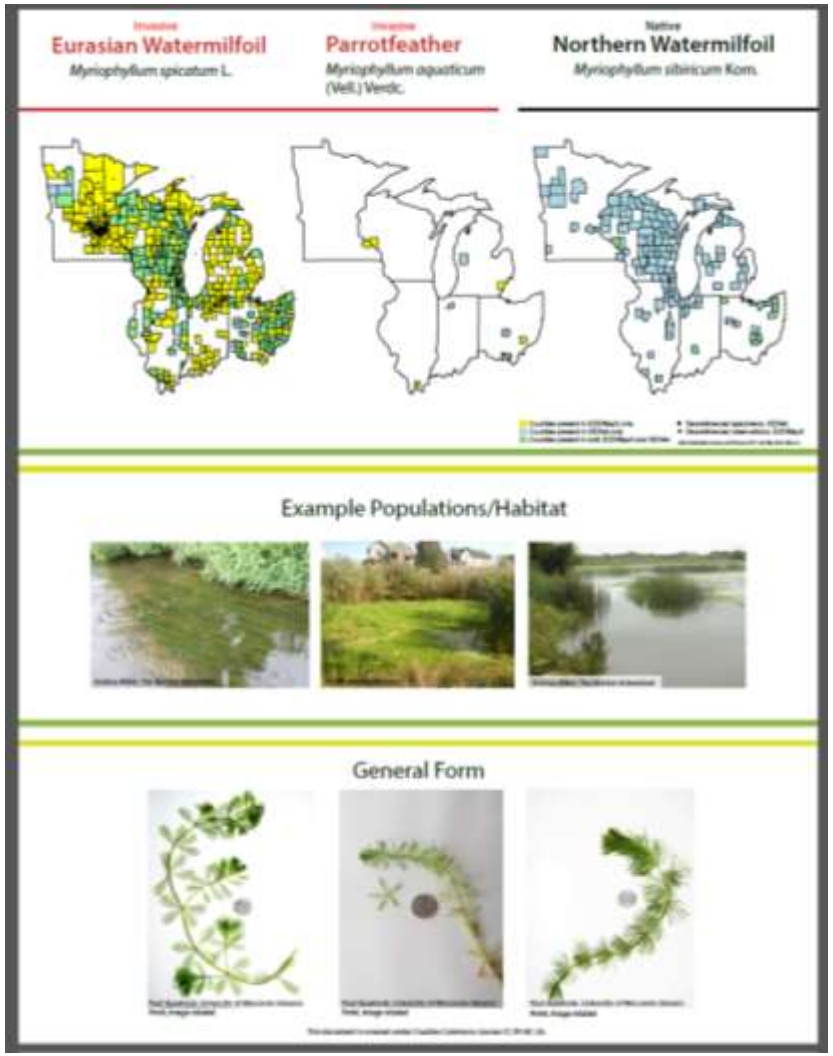
A STORY that highlights our efforts/accomplishments in . . .

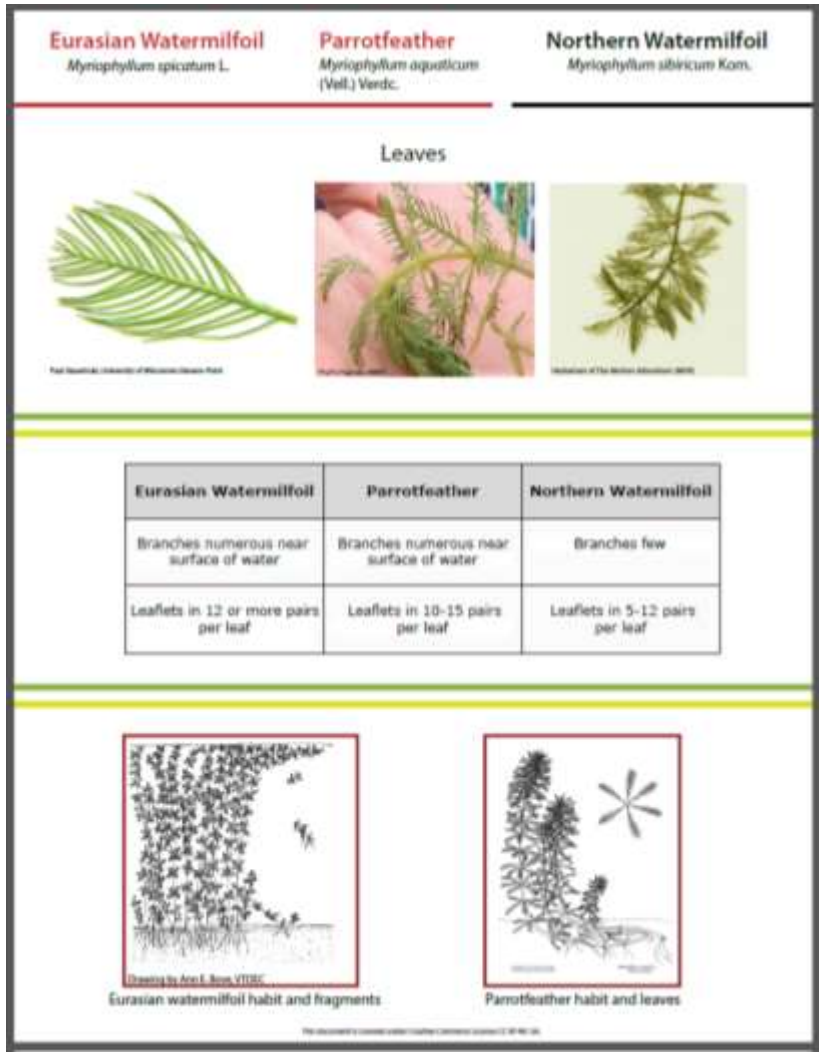
broader impacts.

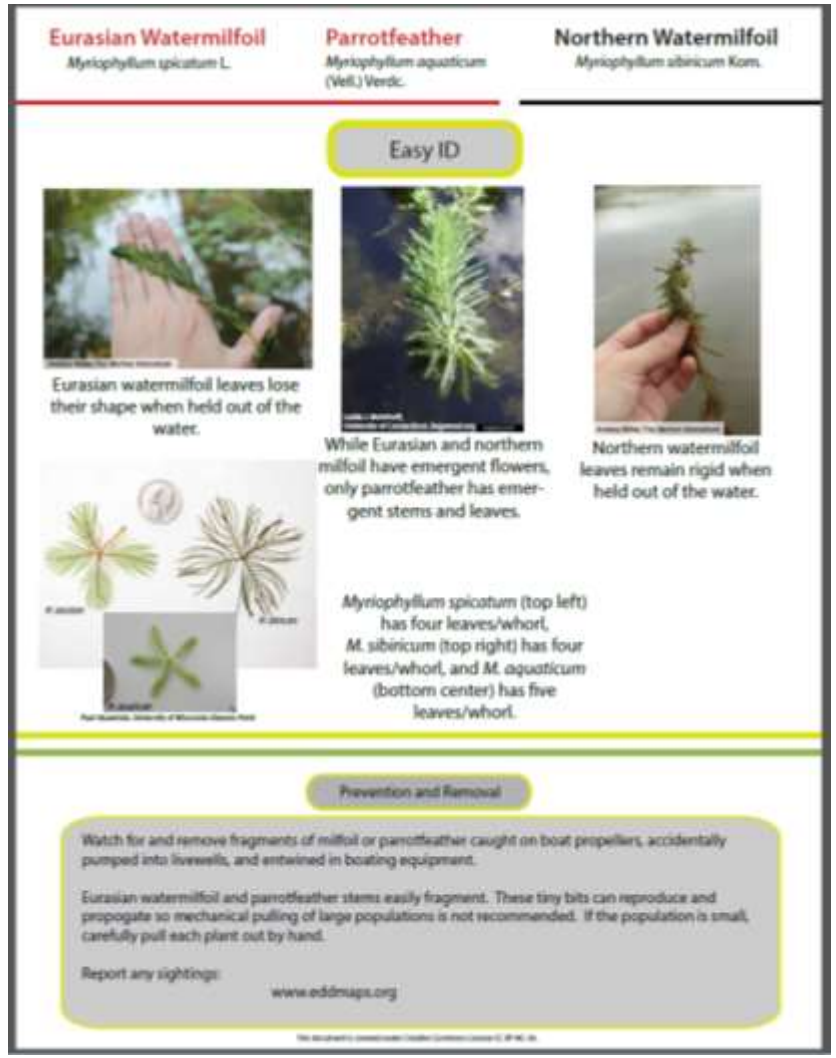
Aquatic Invasive Plant Guide Species List *Games*

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.)







A LESSON Learned: **The 'Network' is based on a the *people* involved.**
Everyone needs to be engaged, willing, & able to represent the TCN.
There is no "I" in PI – we are a team of Co-PIs.

Aaron: Bi-monthly web meetings

Rich: iDigBio 2017

Christine: Substituted for Mark at SPNHC 2018

Mark: Volunteered for SPNHC 2018

Ken: iDigBio 2014, 2016, Botany, UMISC, etc.

Brenda: Conservation Bio

Andrew: Substituted for Ken at iDigBio 2015