

**State Standards:**  
**MN 6.1.1.1.1 Citizenship and Government Civic Skills**  
**WI Next Generation MS-ESS3-3, ETS1-1 Engineering Design**

## *River Quest 2017*

### *Get Habitattitude!*

#### **Synopsis, Resource Links, and Vocabulary List**

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#### **Synopsis:**

Release or escape of unwanted aquarium fish, plants, reptiles, as well as study specimens can harm Minnesota waters and native species. Besides not being good for our lakes and rivers, it is illegal in Minnesota. Fish and other animals like crayfish can carry diseases that can kill native species. Invasive plants can clog waterways and snag boat propellers. Recent examples of releases in Minnesota include: piranha, pacu, rusty crayfish, water hyacinth, water lettuce, Amazonian catfish, koi, goldfish, yellow iris, red-eared slider turtle, and even cayman!



**Habitattitude**<sup>TM</sup>  
PROTECT OUR ENVIRONMENT  
DO NOT RELEASE FISH AND AQUATIC PLANTS  
PIJAC • U.S. FISH & WILDLIFE SERVICE • NOAA'S SEA GRANT  
[www.Habitattitude.net](http://www.Habitattitude.net)

#### **Reference Material Links:**

- Habitattitude National: [www.habitattitude.net](http://www.habitattitude.net)
- Habitattitude News Release: [www.seagrants.mn.edu/news/2004/05/11](http://www.seagrants.mn.edu/news/2004/05/11)
- Habitattitude Outcast: [www.seagrants.mn.edu/newsletter/2005/10/outcast.html](http://www.seagrants.mn.edu/newsletter/2005/10/outcast.html)
- Red Swamp Crayfish: <http://www.mprnews.org/story/2016/09/15/minnesota-newest-invasive-species-red-swamp-crayfish>
- Red-eared Slider: <https://nas.er.usgs.gov/queries/factsheet.aspx?SpeciesID=1261>
- Snakehead Eradication: <http://www.dec.ny.gov/animals/45488.html> and
- <http://www.recordonline.com/apps/pbcs.dll/article?AID=/20091019/COMM/910190314>
- Northern Pike Eradication:  
[http://usatoday30.usatoday.com/news/nation/environment/2007-08-23-lake-davis-trout\\_N.htm](http://usatoday30.usatoday.com/news/nation/environment/2007-08-23-lake-davis-trout_N.htm)
- Hydrilla Eradication:  
[www.isccw.org/PDF%20Files/Manitou%20Opening%20and%20Ecozone.pdf](http://www.isccw.org/PDF%20Files/Manitou%20Opening%20and%20Ecozone.pdf)

#### **Vocabulary List:**

Aquatic  
Biodiversity  
Compete  
Exotic (or non-native)  
Habitat  
Habitattitude  
Invasive  
Native  
Predators  
Species

