

# Injurious AIS Update

*Consideration of adding two species:*

*New Zealand Mudsnail*

*Marbled Crayfish*

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# Injurious AIS Policy and Procedure

- **Division review of candidate species**
  - Prioritization
    - Are other agencies/governmental bodies addressing?
    - Invasive risk in the State of Ohio
  - Risk Assessment Procedure
    - Conditions (permit, petition, evidence/potential, collection)
    - Tiers:
      - USFWS listing under Lacey Act
      - ODW: High Risk under screening methodologies
      - 3<sup>rd</sup> party: High Risk under approved screening methodologies
    - Classification: High Risk, Low Risk, Uncertain Risk

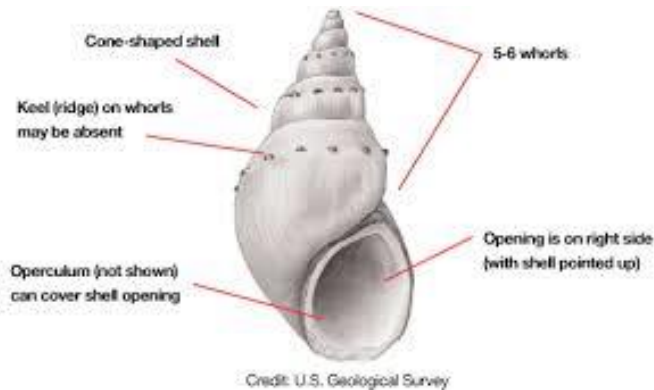
# AIS Committee

**Stakeholder and peer participation was recognized as an important part of this process**

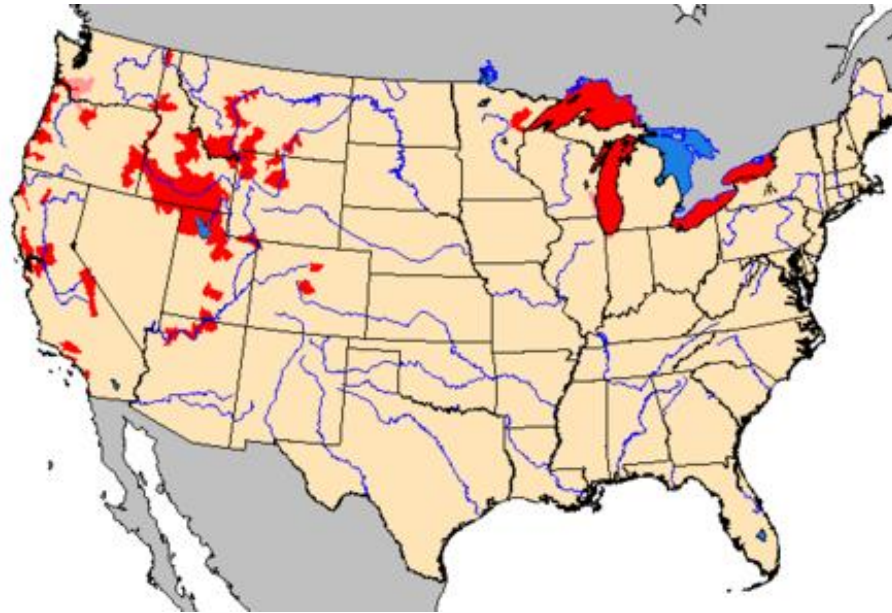
- AIS Committee reviews and provides comments prior to final review and determination by ODNR Chief of the Division of Wildlife
- Consider other agency and organizations reviews as part of this process (Council of Great Lakes Premiers & Governors have these two AIS species on their “Least Wanted” list)

# Injurious AIS Candidate Species

- **New Zealand Mudsnail, *Potamopyrgus antipodarum***



- **Distribution:**



# Injurious AIS Candidate Species

- **Marbled Crayfish, Marmorkrebs**

*Procambarus fallax forma virginalis*

- NY Times:

***This Mutant Crayfish Clones Itself, and It's Taking Over Europe*** (all females)



# IAIS Candidates - External Evals

- **Both are known to be able to survive and expand in temperate, freshwater habitats similar to those conditions found in Ohio**
- **Both have a tremendous capacity for population expansion and outcompeting native species.**
- **NZMS are found in the upper Great Lakes States and the west – spread by anglers and boaters**
- **Marbled crayfish have the potential to spread through the aquaculture and hobby industries from Europe**

# Conclusions

- **Because of their potential for expansion and probable detrimental impact, we would label both of these species as High Risk**
- **We propose that both NZMS and Marmorkrebs be added to Ohio's Injurious AIS List with Chief's approval**
- **This will bring us in line with the other Great Lakes states and provinces**
- **Report and recommendation forthcoming**