

**Great Lakes Panel on Aquatic Nuisance Species
Risk Assessment Ad hoc Committee**

**Recommendations for Development of an
Aquatic Invasive Species Risk Assessment Clearinghouse
Revised January 25, 2018**

The Great Lakes Panel on Aquatic Nuisance Species Risk Assessment Ad hoc committee is charged with improving regional species and pathway risk assessment coordination and developing a scope of work for the development of an aquatic invasive species (AIS) risk assessment clearinghouse. This document outlines the committee's recommendations on development of the clearinghouse's "high level summary" of risk assessment results for a given species, recognizing that different risk assessment methodologies consider different types of information.

The components recommended by the committee for inclusion in the high-level summary are:

1. **Arrival** – Does the methodology consider the ability of a species to arrive in a new environment?
2. **Survival** – Does the methodology consider the ability of a species to survive in a new environment?
3. **Establishment** – Does the methodology consider the ability of a species to establish self-sustaining populations in a new environment?
4. **Spread** – Does the methodology consider the ability of a species to spread beyond the initial introduction?
5. **Impacts** – Does the methodology consider the impacts a species is likely to have?
 - a. Ecological
 - b. Socioeconomic
6. **Geographic scope** – At what geographic scope is the methodology designed to determine the risk of a species?
 - a. e.g. Nationally, regionally, etc.
7. **Ability to manage** – Does the assessment consider the availability of management and control options?
8. **Type of assessment** – Identify what type of assessment the methodology uses to determine risk.
 - a. i.e. Quantitative, qualitative, or expert panel
9. **Type of results provided** – Identify what type of results are provided by the methodology.
 - a. e.g. Categorization of risk (high, medium, low, etc.), numeric values to be interpreted by the audience, etc.
10. **Species results** – The outcome of the risk assessment for that species.
11. **Review status** – Was this assessment peer-reviewed, and if so, to what depth?

The committee envisions that this high-level summary will serve as a matrix on each species page, with the name of each methodology labeling the columns, and the risk assessment components labeling the

rows. The matrix can then be marked with simple check marks or X's to indicate whether or not a specific risk assessment methodology considers/incorporates a specific risk assessment component in determining the end result, where applicable.