

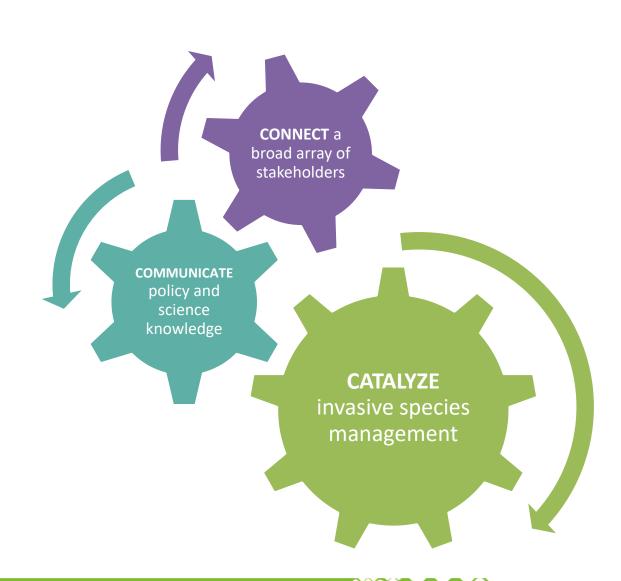
Development of an International Risk Assessment Database

OCTOBER 26, 2017

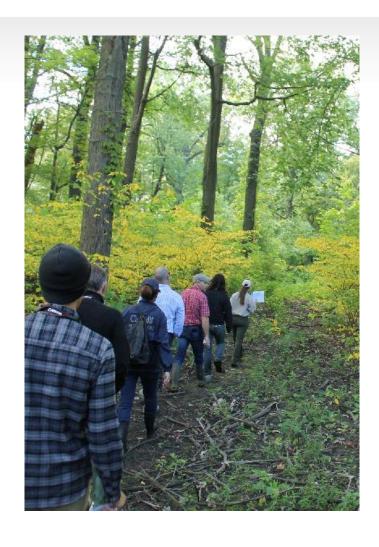
20th International Conference on Aquatic Invasive Species Ft. Lauderdale, Florida

Invasive Species Centre

A not-for-profit that prevents and reduces the spread of invasive species in Canada and beyond.

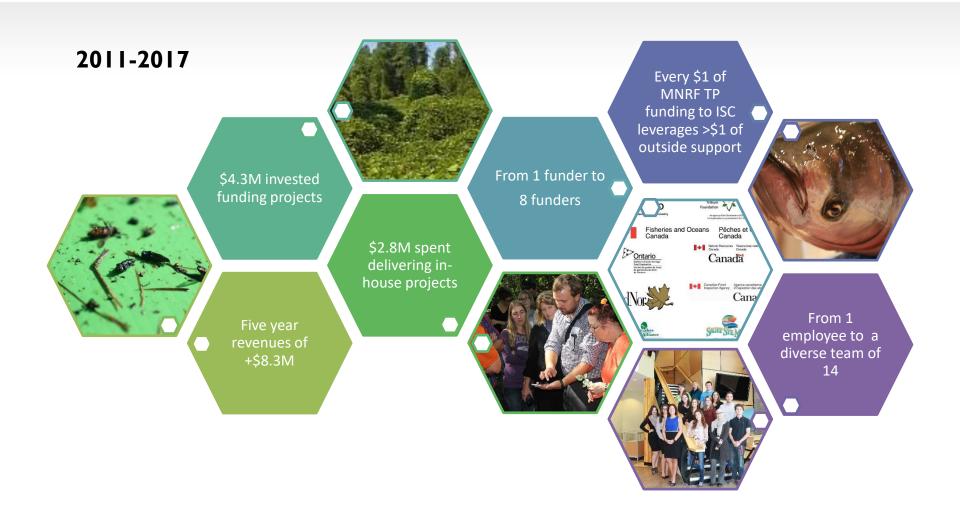


What do we do?

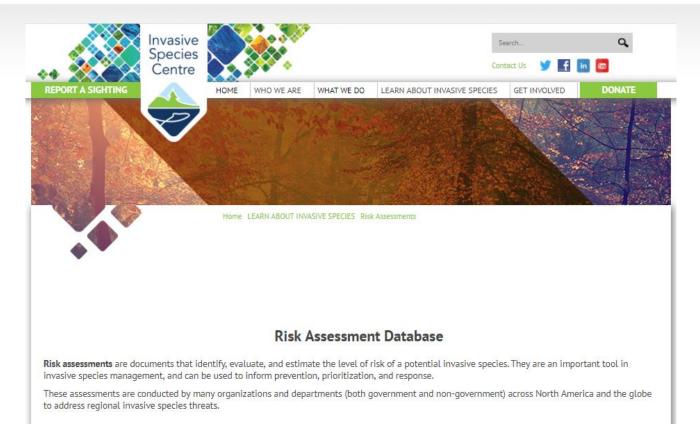


- Training workshops
 - Invasive species identification and reporting
 - Clean equipment protocol
- Consulting services
 - Invasive species management plans
 - Risk assessment and analysis
- Technology transfer
 - Development of web based tools and resources
- Event coordination
- Volunteer engagement
- Outreach and education
- And more!

How are we doing?



Invasive Species Centre



PROJECT HIGHLIGHT:

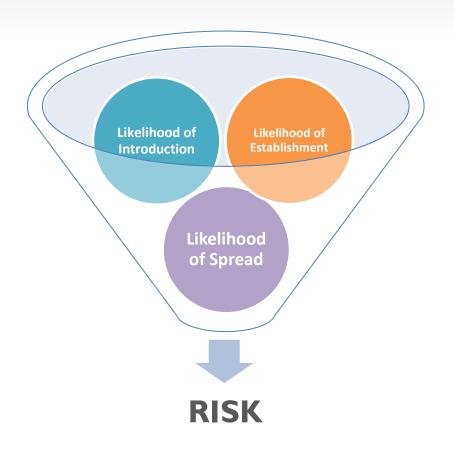
Risk Assessment Database



Risk Assessments

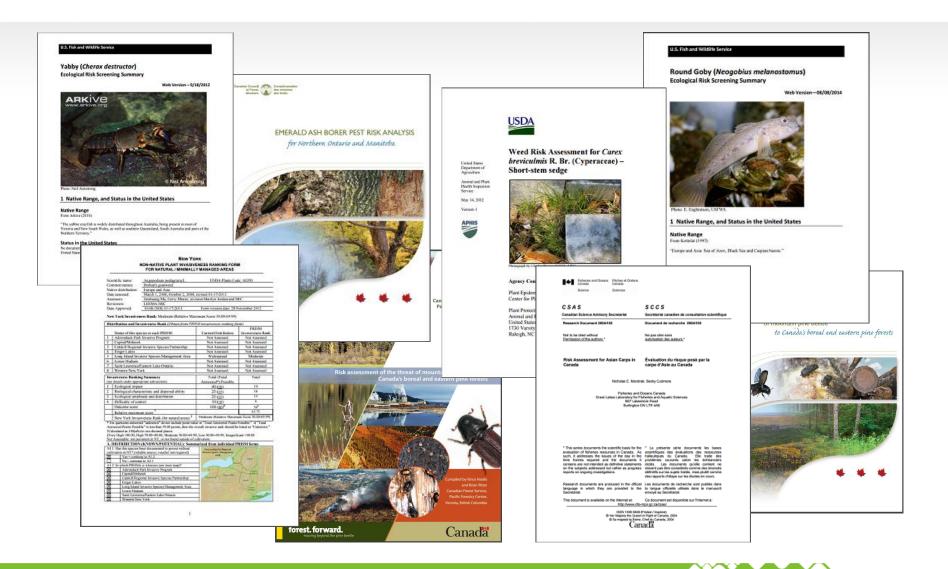
RISK ASSESSMENTS

- Identify, evaluate, and estimate the level of risk of a potential invasive species
- Are an important tool in invasive species management, and can be used to inform prevention, prioritization, and response.
- Are conducted by many organizations and departments (both government and non-government) across North America and the globe





(A good) Problem: Many Risk Assessments!



(A good) Problem: Many Risk Assessments!

CHALLENGE:

- Many risk assessments exist but difficult to locate, and have uneven validity and credibility
- Information is spread across various government and non-government sources
- Many stakeholders do not know how to access risk assessments or where to find them
- Risk assessments should be readily available to enable and inform invasive species response

A NEED FOR
A DATABASE OF
RISK
ASSESSMENTS



Risk Assessment Database

INVASIVE SPECIES CENTRE RISK ASSESSMENT DATABASE:

- Online, accessible & searchable
- Initial search for assessments was focused on Great Lakes region, but long-term goals are for North American or International relevance

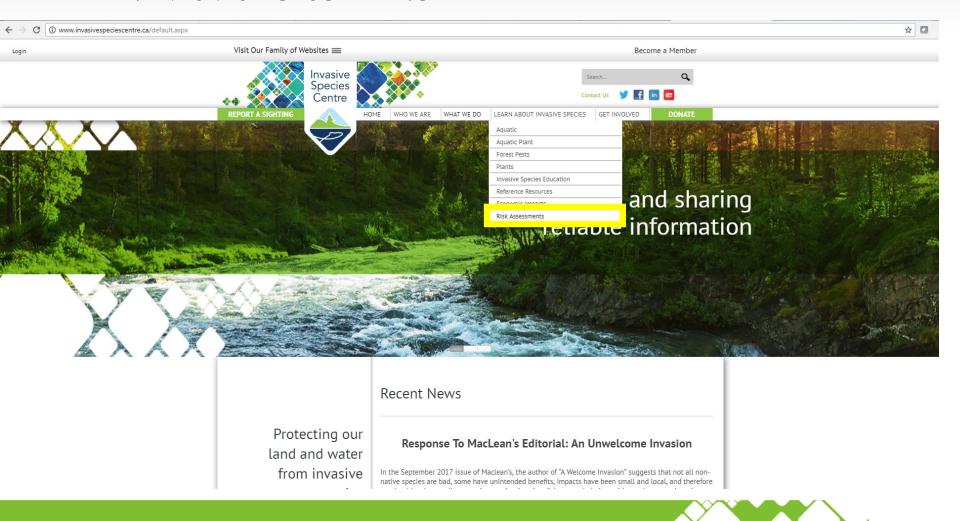
INCLUDES:

- 626 Species (aquatic, terrestrial, and wetland)
- > 204 Full Risk Assessments
- ➤ 423 Summary/Characterization Assessments
- 10 Assessing Organizations



Accessing the Database

> WWW.INVASIVESPECIESCENTRE.CA



Searching the Database





Search bar provides fast results



Results can be filtered by:

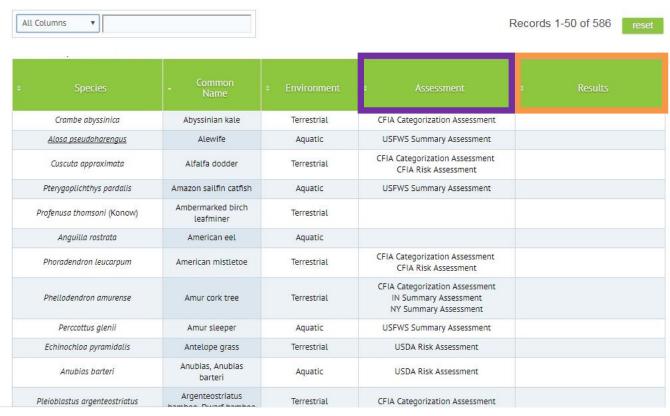
- Species (alphabetical)
- Environment (Aquatic, Wetland, Terrestrial)
- > Type of Assessment
- Assessing Body



Hyperlinks to accessible assessments



First Look – New and Improved Database





Full Risk
Assessment

Categorization/ Summary Assessment

Assessing Body

Link

Risk Assessment Results will be included for each available assessment, specific to geographic area

New Species and New Assessing bodies are currently being added to the database

Simplified digital interface with integrated hyperlinks, where available

Both **technical** (risk assessments) and **non technical** (fact sheets) information will be included



How is this information used?

BENEFITS OF ACCESSIBLE RISK ASSESSMENTS:

✓ Enables rapid response

 Risk information can be rapidly accessed to inform management and response for a variety of species

✓ Reduces duplication of efforts

Individual jurisdictions can borrow information from existing risk assessments;
 new risk assessments may not be needed, or can be completed more efficiently

✓ Acts as a research resource

Students, researchers, and decision makers can access risk
 assessments as a comprehensive overview of a particular species



Risk Assessment Database

NEXT STEPS:

- Complete 'Risk Assessment Results' analysis, and include in searchable database
- Continue to add more species and risk assessments to the database as information becomes available
- Host risk assessments on Invasive Species Centre platform when Assessing Organization in unable to do so
- Develop risk assessment contact database information on regional or organizational leads for completing risk assessments
- Conduct analysis of risk assessment methodologies to identify similarities and differences
- Consider adding Pathway Risk Assessments to the database



Risk Assessment Database

CALL FOR RISK ASSESSMENTS!

- Does your organization conduct risk assessments on invasive species?
- Would you like them included in the Invasive Species Centre's risk assessment database?

Email David Nisbet at dnisbet@invasivespeciescentre.ca





Acknowledgements



Thanks to the Ontario Ministry of Natural Resources and Forestry (OMNRF) for ongoing support of the Invasive Species Centre and the development of our risk assessment database.





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Contact

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