

# Determination of Injurious Aquatic Invasive Species Policy

To Conserve and improve Fish and Wildlife resources and their Habitats for sustainable use and appreciation by all



John Navarro  
Aquatic Invasive Species Program Administrator



# Presentation Outline

- Why we need this process
- How we got to this point
- How the process works
- Incorporating comments



# Prevention is the Key

## Sea Lamprey Control Success Story?

- Unique life cycle
- Isolated spawning habitat
- Species-specific control agent



**20 Million Dollars/Year to Control**

# Mechanisms for RA Implementation

- Ohio Revised Code: Legislative
- Ohio Administrative Code: Administrative
- Division of Wildlife Policy: Internal Process



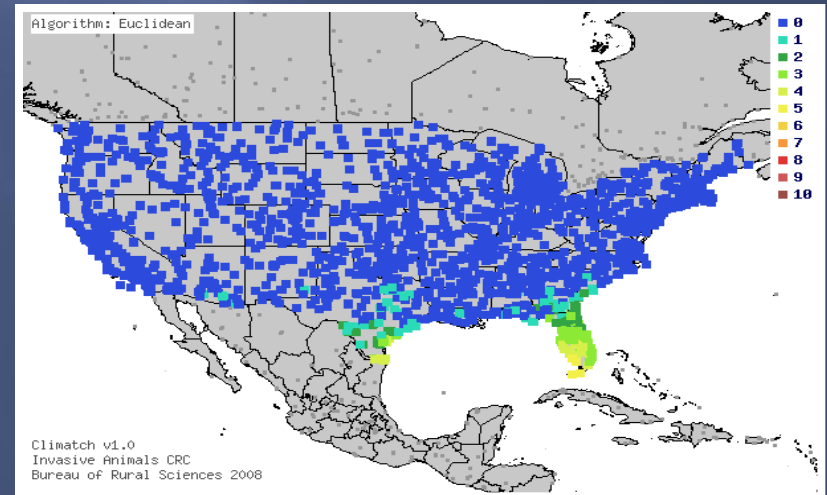
# Risk Assessment

1. Rapid – Within hours
2. Evaluate Invasiveness - Accurately
3. Prior to Importation - Prevention



# Best Predictors of Species Invasions

1. History of Invasiveness–Invasive elsewhere
2. Climate Match:
  - Between locations where established
  - Target locations (e.g. Great Lakes)



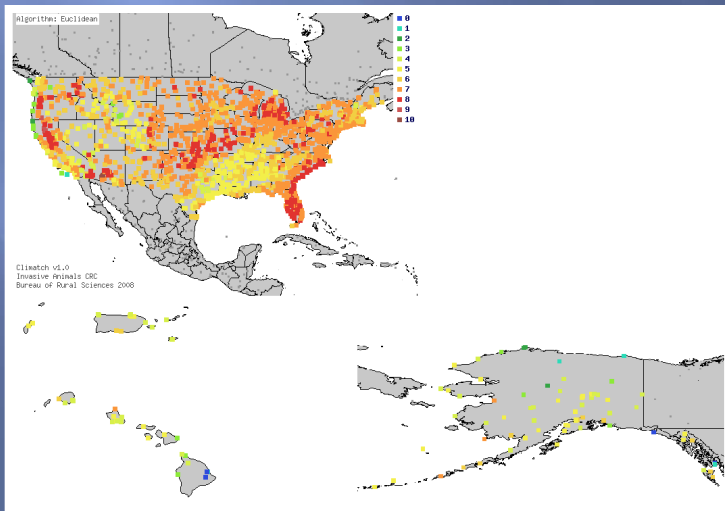
# Three Outcomes from Assessment

- **High:**
  1. Adverse impacts elsewhere
  2. High climate match
- **Uncertain:**
  1. Information insufficient
  2. Need more data
- **Low:**
  1. Not invasive elsewhere
  2. Low climate match



# Example of a Bad Actor

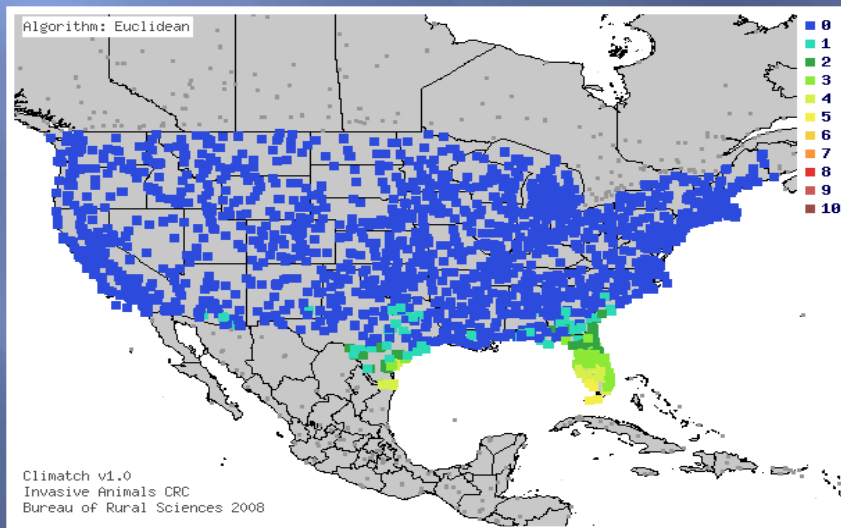
- History of Invasiveness: **High**
- Climate Match: **High**
- Overall Risk Assessment Category: **High**
- Certainty of Assessment: **High**





# Example of a Not So Bad Actor

- History of Invasiveness: **Low**
- Climate Match: **Low**
- Overall Risk Assessment Category: **Low**
- Certainty of Assessment: **High**



# AIS Risk Assessment - **DRAFT**

## Classification Process

1. Listed injurious by USFWS
2. Categorized as high risk by the USFWS
3. Determined high risk that by U.S. state or Canada
4. Determined high risk by the Division of Wildlife

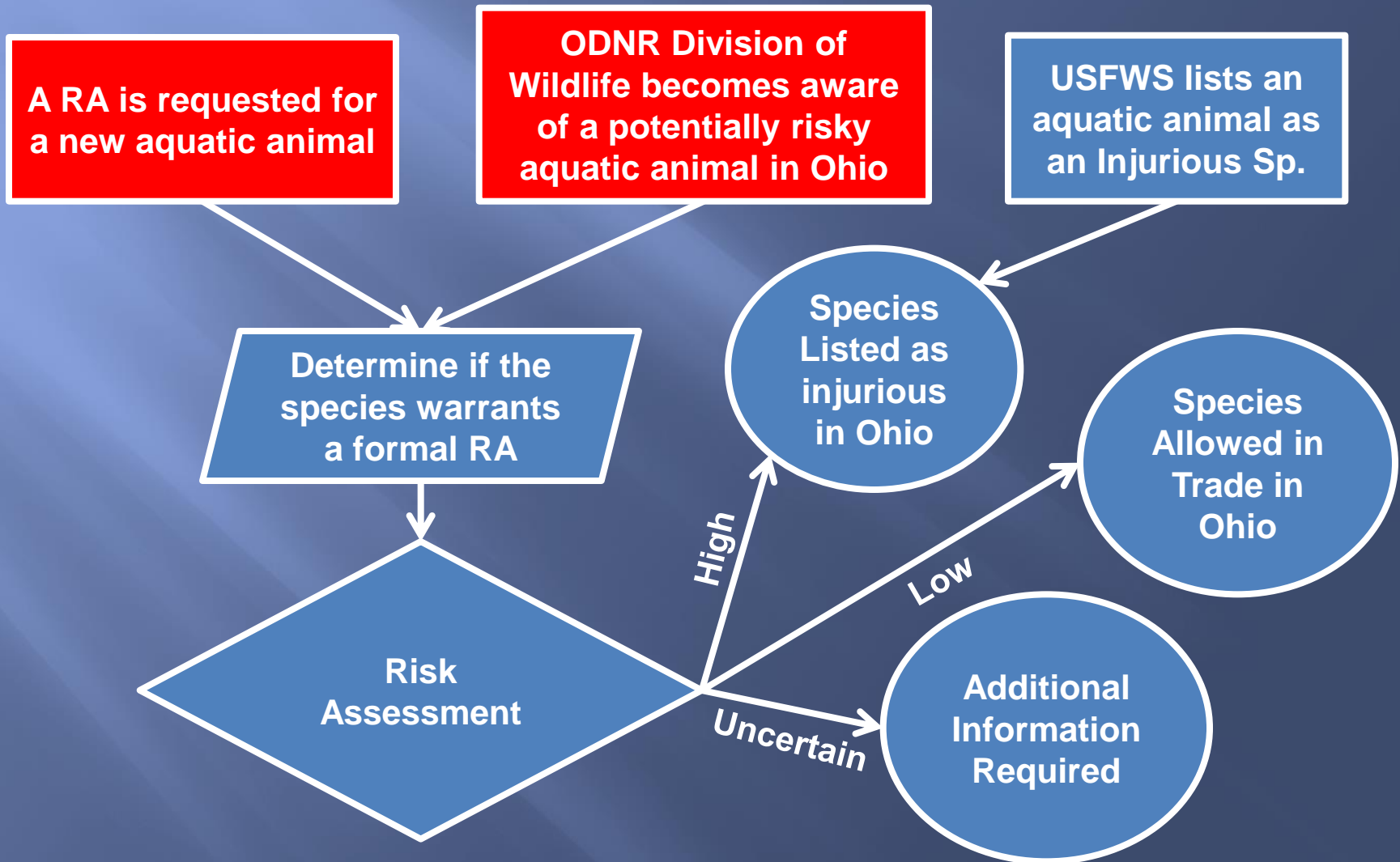


## Responsibility for Conducting RA

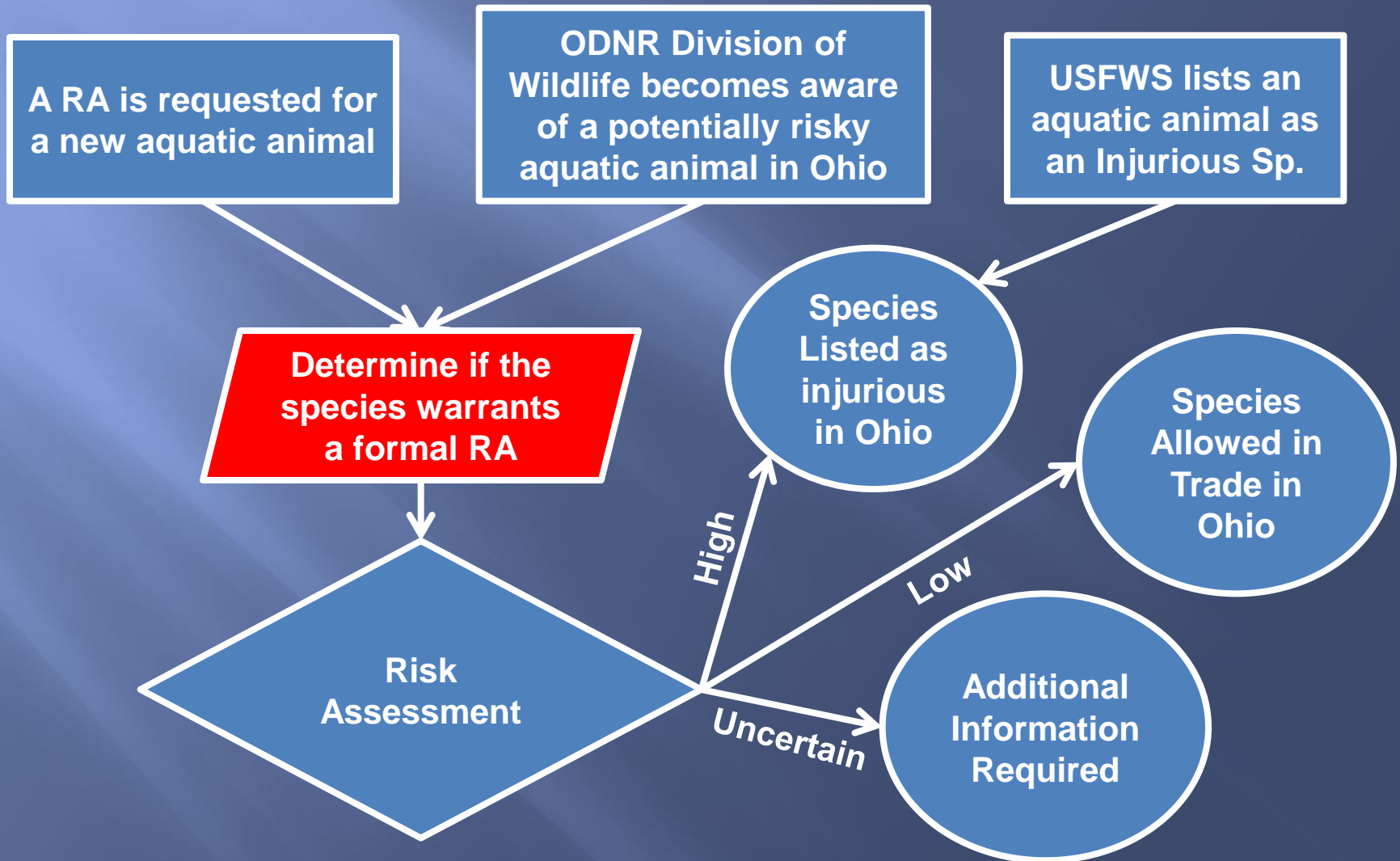
1. USFWS
2. Division of Wildlife or a designated contractor
3. Entity requesting to possess



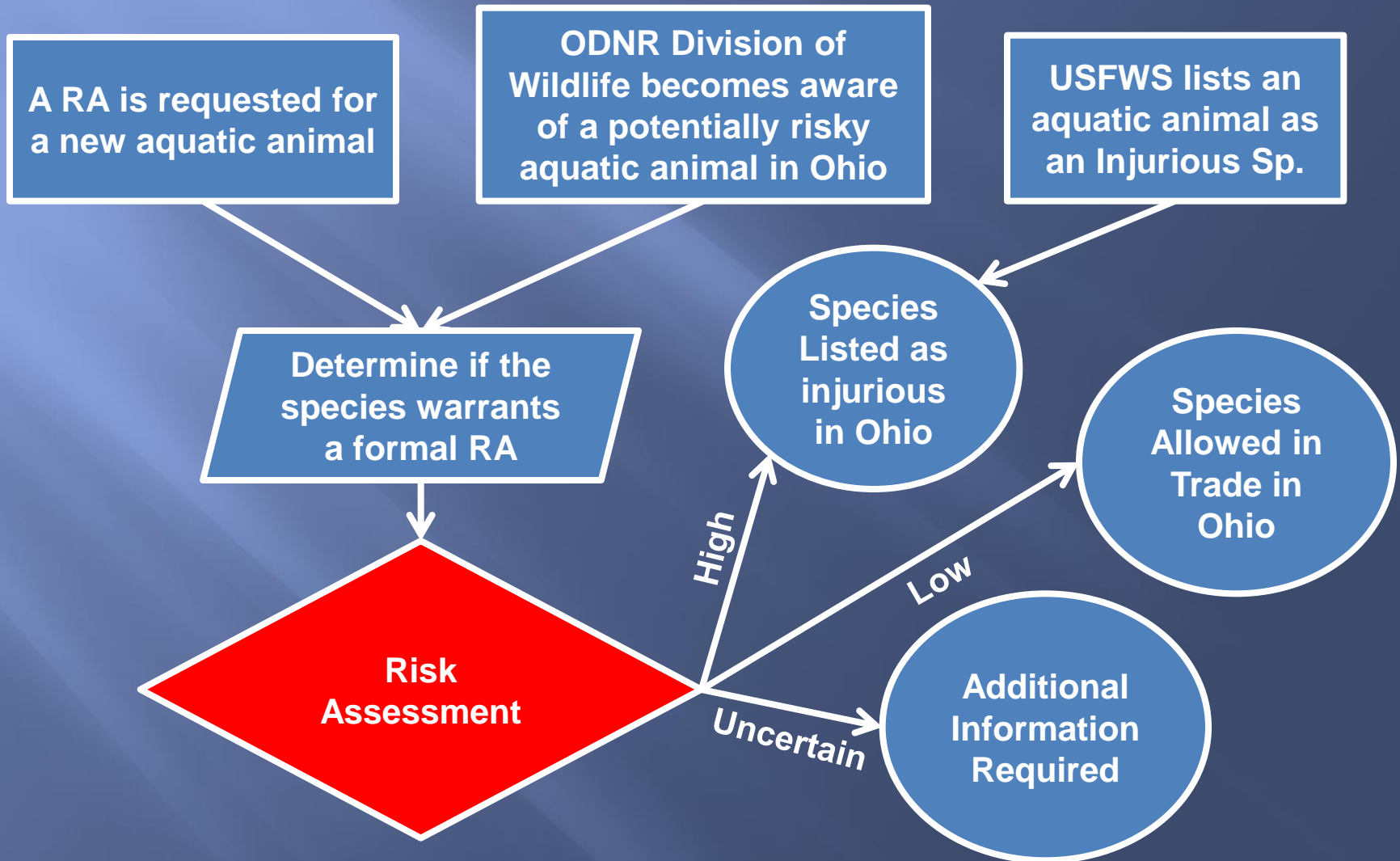
# Risk Assessment (RA) Decision Flow Chart



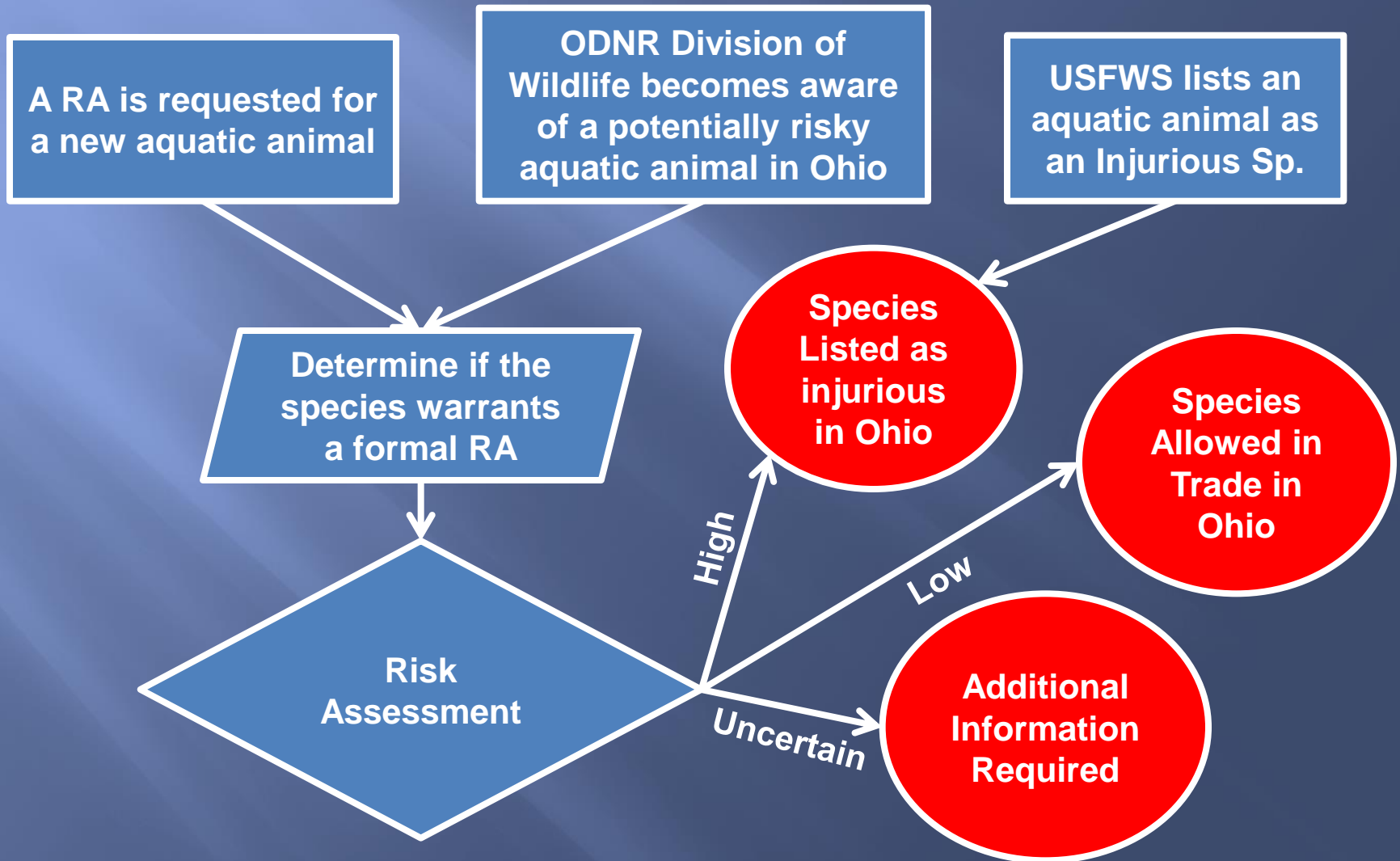
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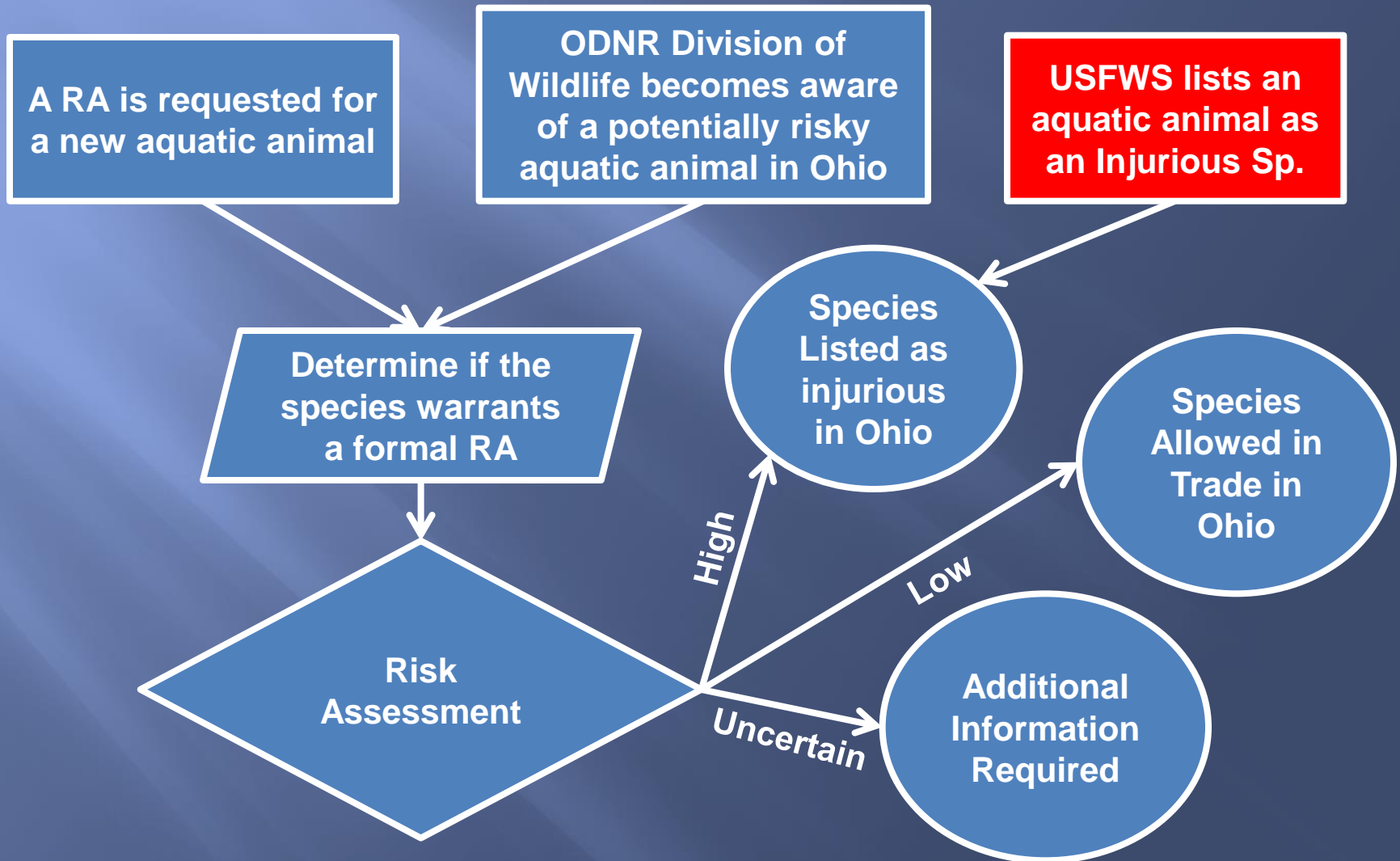
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# Risk Assessment (RA) Decision Flow Chart



# Ohio's Injurious List

## Ohio's Injurious List (35)

- 28 Fish
- 3 mussels
- 4 crustaceans
- <http://ohiodnr.gov/invasive-species/aquatic-invasives/injurious-aquatic-invasive-species>



## Council of GL Governors - Least Wanted (16)

- Fish: Bighead Carp, Silver Carp, Grass Carp (D), Black Carp, Northern Snakehead, Stone Moroko, Zander, Wels Catfish
- Aquatic invertebrates: Killer Shrimp, Yabby, Golden Mussel
- Plants: Hydrilla, Brazilian Elodea, Water Soldier, European Water Chestnut, Parrotfeather