

A Strategy to Address Flowering Rush in the Columbia Basin

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WASHINGTON STATE
RECREATION AND CONSERVATION OFFICE
Washington Invasive
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ISAN
INVASIVE SPECIES ACTION NETWORK

Flowering Rush



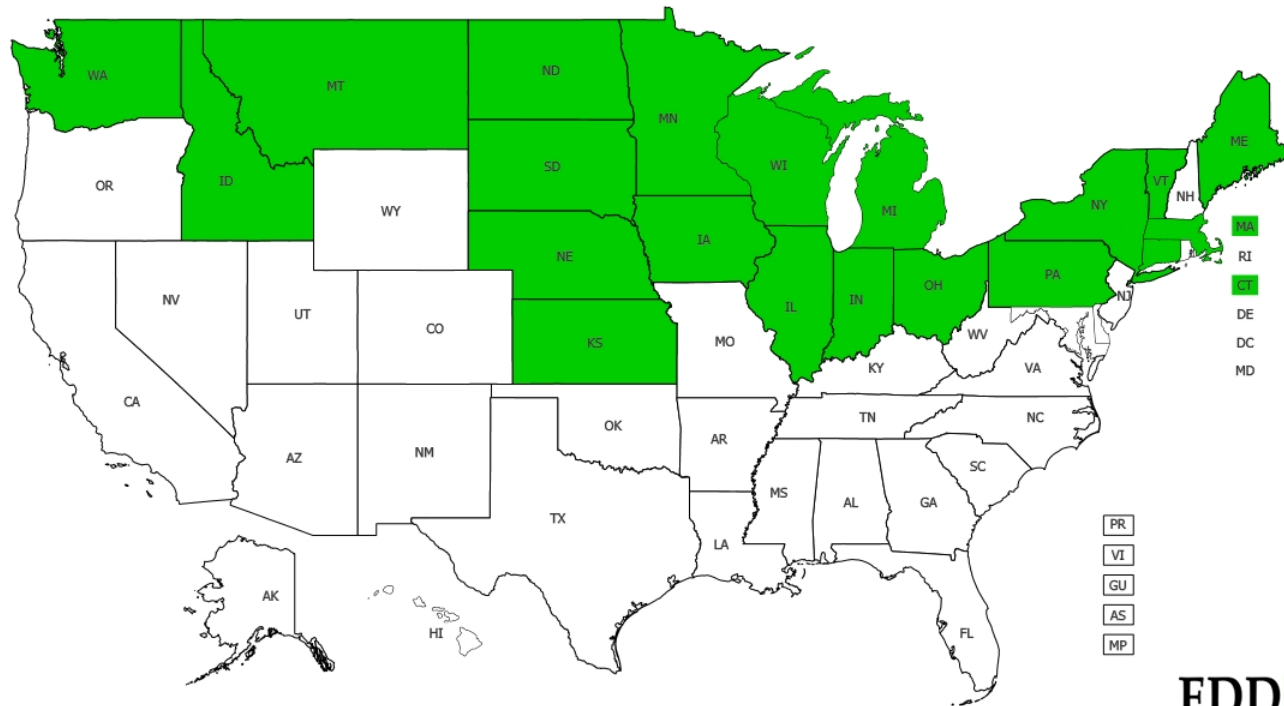
Photo: Idaho Department of Agriculture

Flowering Rush

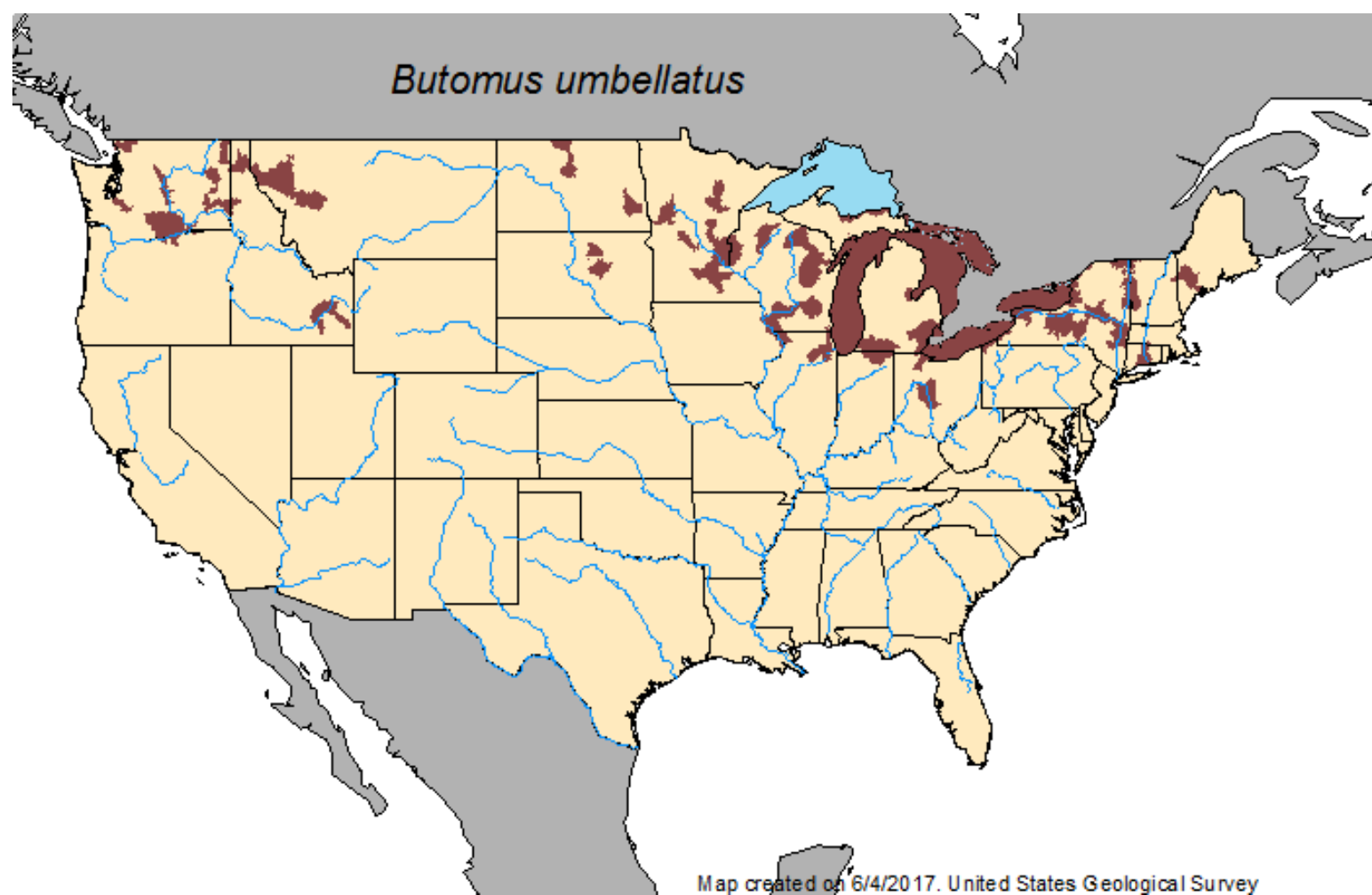
- *Butomus umbellatus*
- Native to Europe and temperate Asia
- Freshwater Perennial
 - Rhizomes
 - Seed
- Plants can grow 1-5 feet in height, survive at depths of 9 feet



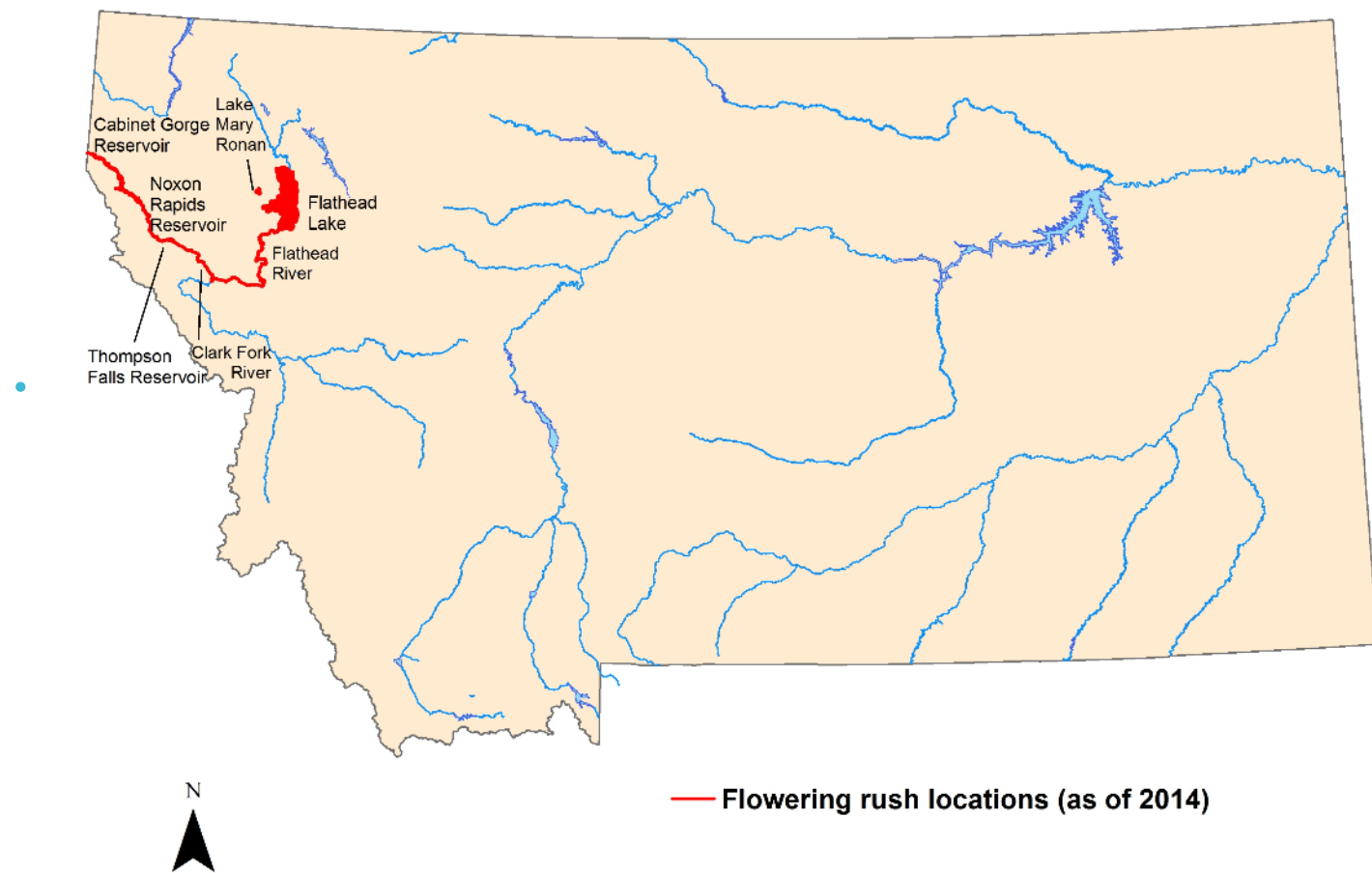
Butomus umbellatus



Last observation: August 18, 2014 - Map generated: August 29, 2014



Flowering Rush Locations



Control

- **Prevention** – early detection
- **Biological** – currently there are biocontrol trials underway to identify a potential suitable predator
- **Cultural** – undisturbed sites can be susceptible to invasion
- **Mechanical** – Digging and covering trials are underway
- **Chemical**
 - foliar treatment with aquatic herbicides in active growth phase are inconsistent
 - aquatic herbicide treatment during non-growth phase underway

Need



- Engage and inform at a regional level on flowering rush
- Connect AIS community with terrestrial weed community

Cooperative Weed Management Area

- Strategy was to create a CWMA encompassing Columbia River Basin addressing Flowering Rush initially
- Support initial phase with National Fish Wildlife Foundation - Pulling Together Grant
- Steering committee with regional participation

Steering Committee



- Washington State University
- Washington Dept of Ecology
- Washington Invasive Species Council
- Idaho Dept Agriculture
- Oregon Dept of Agriculture
- Montana Fish Wildlife and Parks
- Montana Invasive Species Council
- Alberta Environment and Parks
- Columbia River Intertribal Fish Commission
- Kalispel Tribe
- Portland State University
- Western Invasives Network

Initial Objectives of CRB CWMA

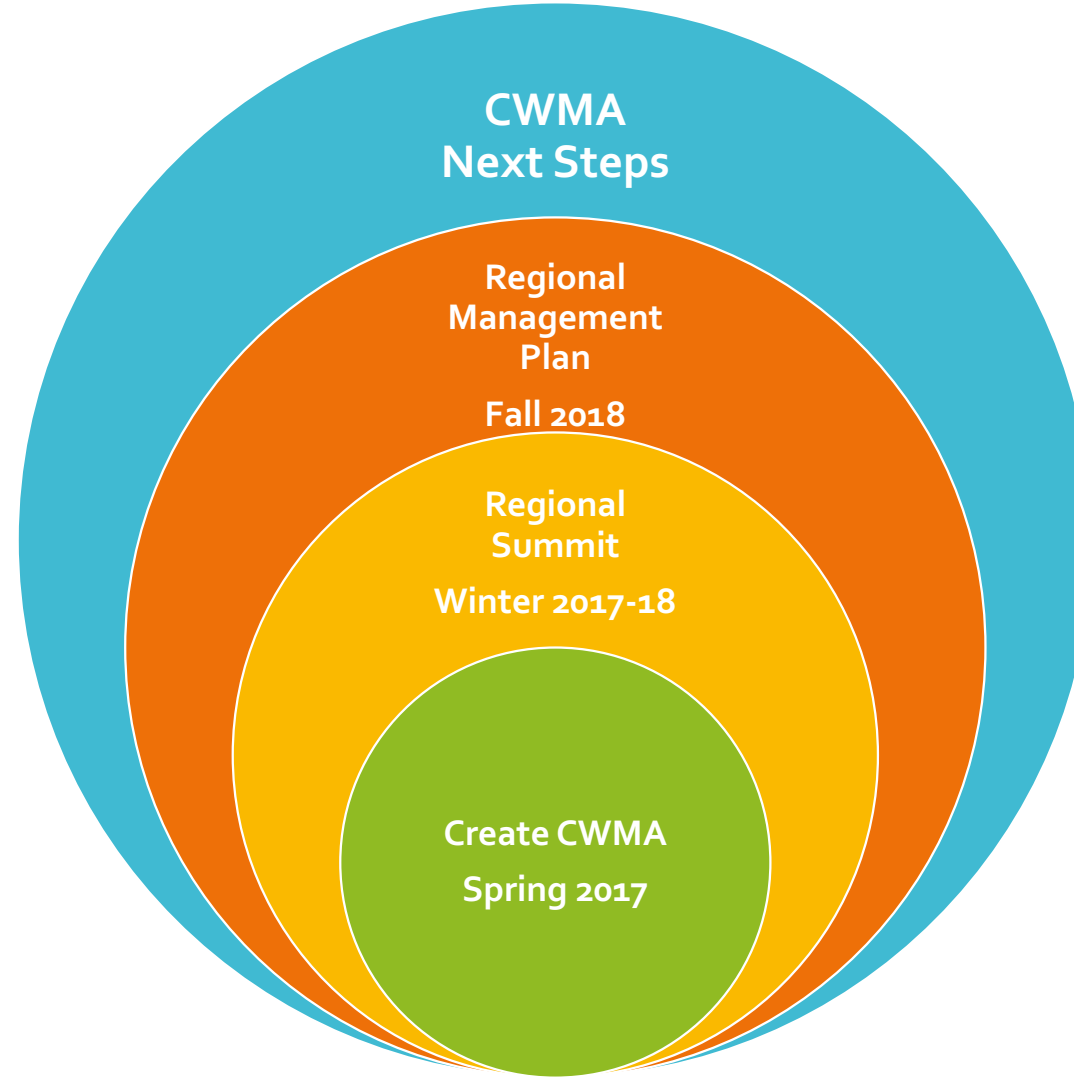
- Regional Summit
- Regional Management Plan

Regional Management Plan

- Data standards and sharing
- Research
- Prevention
- Management
 - EDRR
 - Control
 - Biocontrol
 - Manual
 - Chemical



Timeline



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