Protecting our Waters from Aquatic Invasive Species: A Collaborative Approach in the Canadian Columbia Basin

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On Behalf of the Canadian Columbia Basin Regional Invasive Species Organizations May 2015

Canadian Columbia Basin Regional Framework for an Aquatic Invasive Species Program: 2015 to 2020







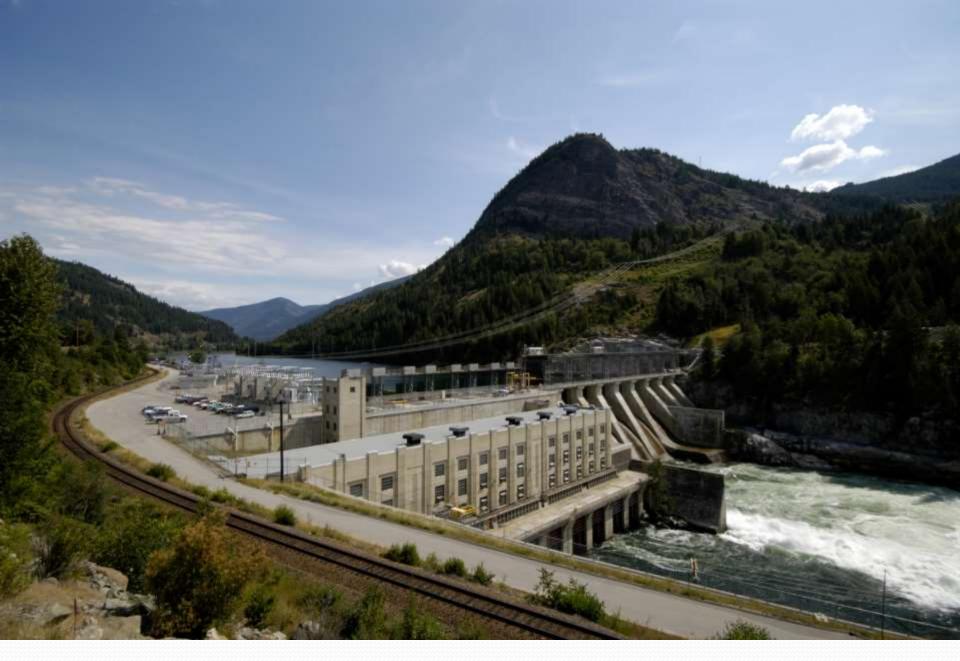


Prepared for Columbia Basin Trust | Prepared by: Juliet Craig, R.P.Bio., P.Ag. Definition of "the Basin"



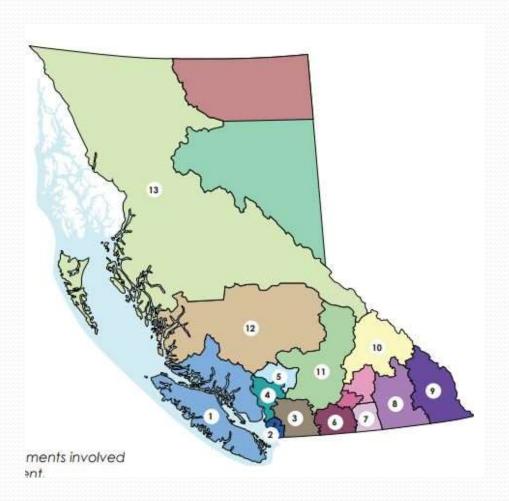
Map by Kmusser - self-made, based on USGS and Digital Chart of the World data.. Licensed under CC BY-SA 3.0 via Wikimedia Commons - http://commons.wikimedia.org/wiki/File:Columbiarivermap.png#mediaviewer/File:Columbiarivermap.png.



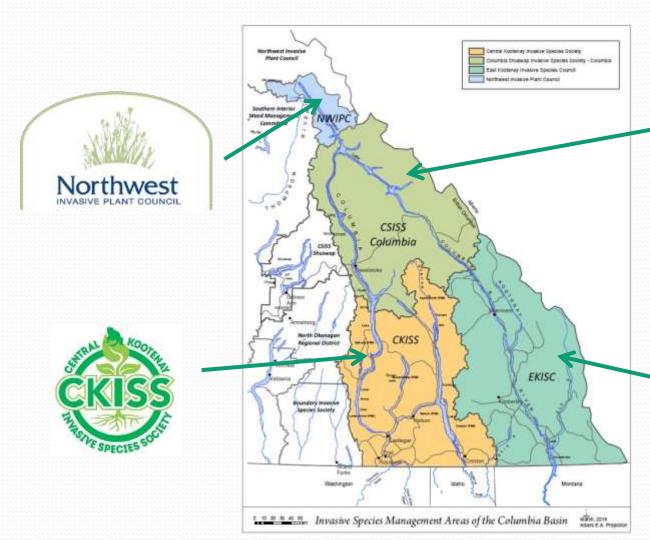


http://en.wikipedia.org/wiki/Zebra_mussel

Regional Invasive Species Organizations in BC



Regional Invasive Species Organizations in Basin







Columbia Basin Trust Strategic Plan

Help reduce the threat of invasive species to terrestrial and aquatic ecosystems



Steering Committee



Canada































Purpose of Program

- To promote a proactive, strategic, collaborative and coordinated approach to AIS prevention and management
- Designed for the AIS program, regional invasive species organizations and local partners



Parrot-feather

Five Program Areas Response and Monitoring and Research Inspection and Decontamination

#1: Coordination and Collaboration









Provincial Government

Province-wide (ISCBC)

Regional Invasive Species Organizations

Local Partners (stewardship groups)



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#1: Coordination and Collaboration

- Establish a coordinated AIS
 Program in the Basin,
 building on existing efforts
 and introducing new ones
- Facilitate coordinated priorities and activities for maximum efficiency and effectiveness
- Identify models and options for long-term stable funding
- 4. Evaluate and celebrate success



#2: Outreach and Prevention

Prevent the Pathway!

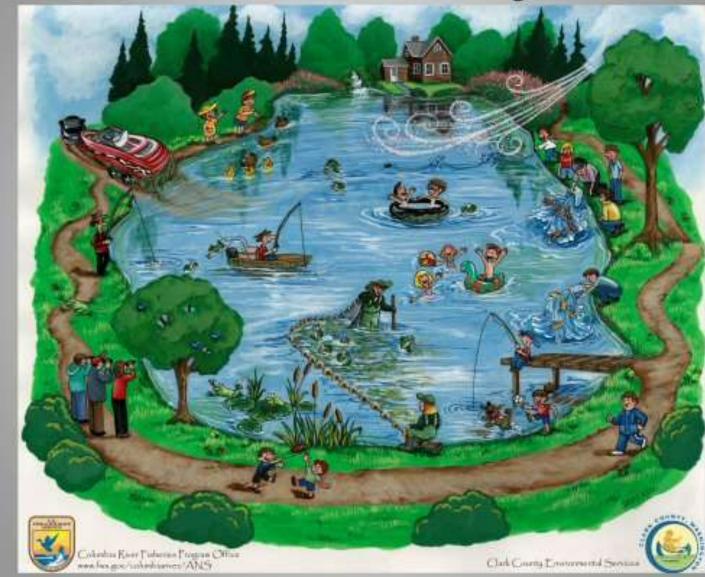


Illustration: Columbia River Fisheries Program Office

Human Pathways of Introduction and Spread













Photos from the internet

#2: Outreach and Prevention

- Implement successful
 behaviour change programs
 of key pathways with
 consistent and proven
 messages
- 2. Reduce the potential for AIS-fouled boats to enter local water bodies through education
- 3. Engage stewardship groups, community organizations, educational institutions and industry for AIS outreach
- 4. Engage local governments and industry in AIS issues





2: Outreach and Prevention

Implement successful
 behaviour change programs
 of key pathways with
 consistent and proven
 messages







#3: Watercraft Inspection and Decontamination

- Reduce the potential for AISfouled boats to enter local water bodies through watercraft inspection and decontamination
- Increase detection of mussel-infested watercraft



#4: Research and Monitoring

- Develop a coordinated, spatially comprehensive monitoring plan to monitor areas at high risk of AIS introductions
- Promote and utilise standardized monitoring, data sharing and reporting
- Increase opportunities to participate in AIS monitoring
- 4. Promote and facilitate AIS research



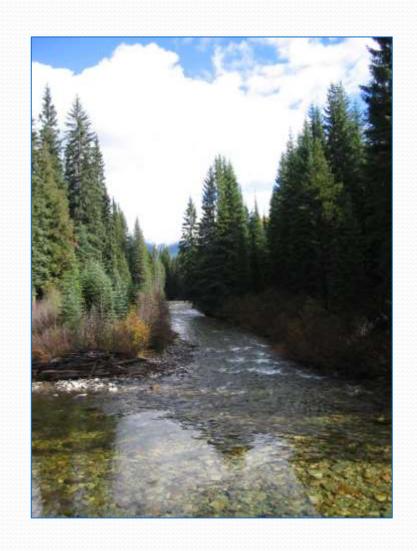
Photo credit: Jennifer Vogel





Ranking Matrix

- # boat launches
- Moorage
- Water-based events
- Ease of access
- Proximity to source population
- Species at risk
- Hydro electric facilities
- Recreation
- Size of water body



#4: Research and Monitoring

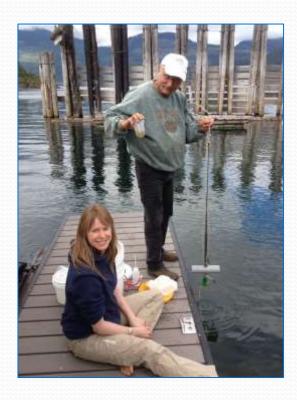
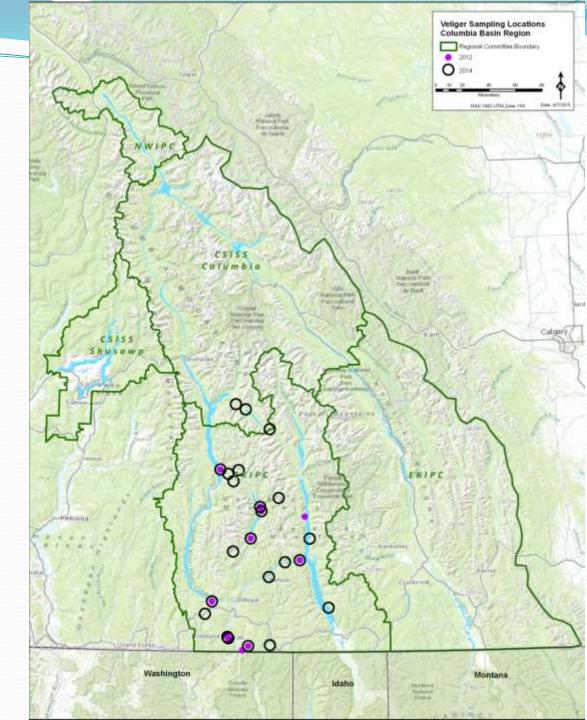


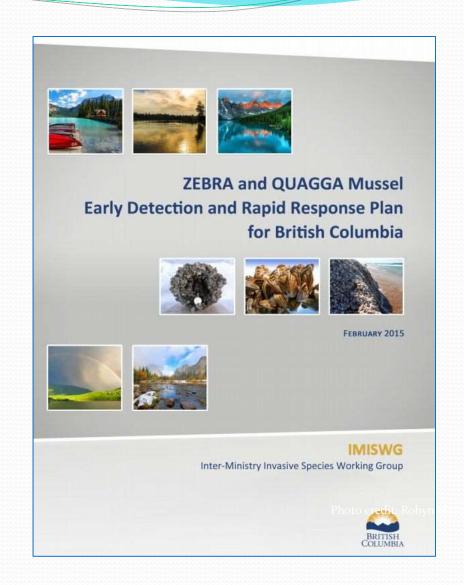
Photo by: Brian Zytaruk



#5: Response and Management

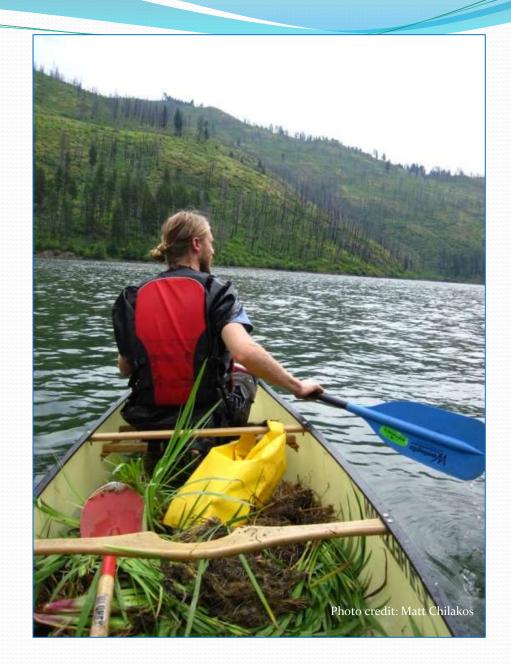
- Follow the provincial response plan for zebra and quagga mussels (ZQM)
- Coordinate with relevant partners to participate in response strategy for high priority AIS as required
- Contain and manage existing AIS infestations to reduce impacts and spread

Provincial RAPP Line: 1-877-952-7277



Summary

Exciting program for enhanced Aquatic Invasive Species prevention and management within the Canadian Columbia Basin



Questions?



Thank you to the
Columbia Basin Trust
and the
Ministry of Forests, Lands, and
Natural Resource Operations