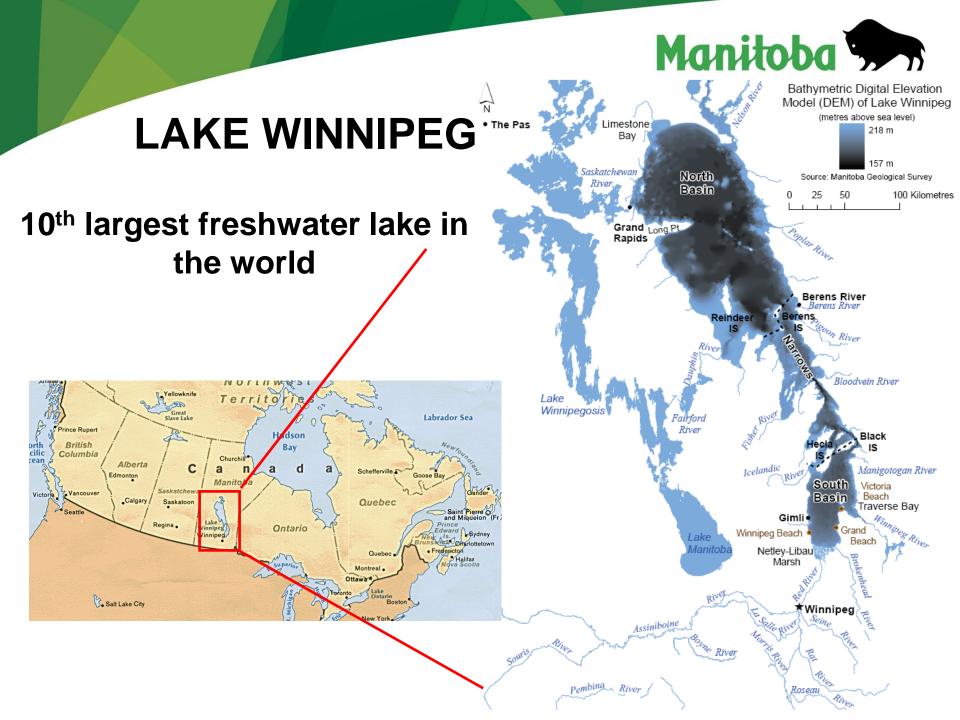
PNWER 4th Annual Invasive Species Conference July 22, 2014

Zebra Mussels in Lake Winnipeg

Presented by: Kate Wilson AB AIS Coordinator for Laureen Janusz

Manitoba Aquatic Invasive Species Program
Fisheries Branch
Conservation and Water Stewardship

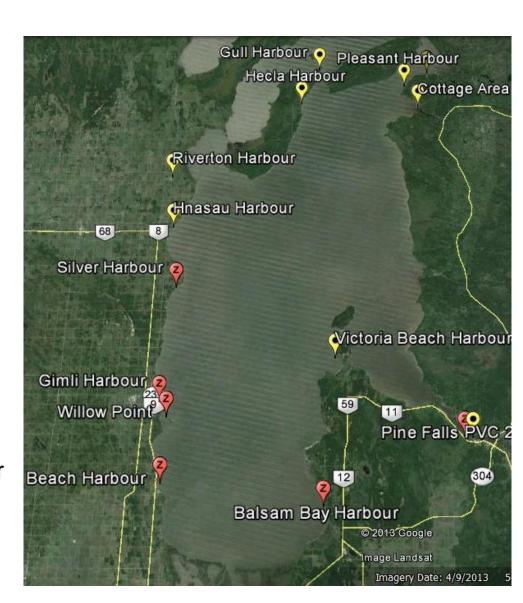






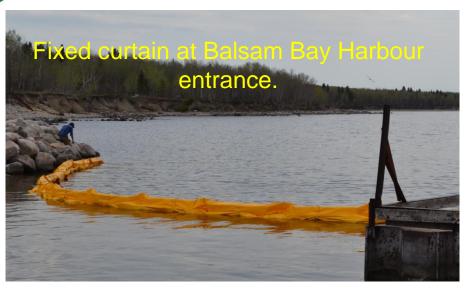
Zebra Mussels confirmed

- October: zebra mussel detection
- Implementation of DFO's Rapid Response Framework
- Science Advisory Committee established
 - Gov & external experts
- Results from data collected in the fall suggested early stage of infestation
 - largely contained to four harbours: Gimli Harbour, Boundary Creek Marina/Winnipeg Beach Harbour and Balsam Bay Harbour.
- SAC recommended treating with potash (potassium chloride)



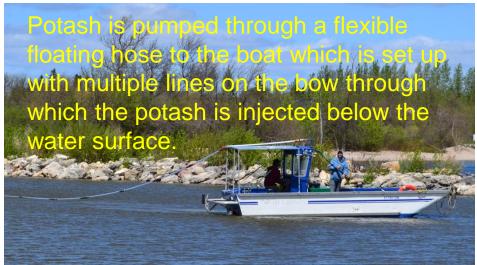


Zebra Mussel Eradication/Treatment











Zebra Mussel Eradication/Treatment





ASI lead on the ground May 21st; equipment and staff arrived May 23rd; finished June 18th.

Harbour	Surface Area	Treatment Time
Balsam Bay	4624 m ²	8 days
Winnipeg Beach	34745 m ²	9 days
Gimli Harbour	68796 m ²	14 days
Arnes Harbour	43469 m ²	14 days

Total Cost: ~\$800,000



Going Forward – Monitoring, Containment and Communication











Lessons Learned

- Federal framework worked, but...
- Provincial response plan beneficial
- Stakeholder Advisory Committee
 - Weight/influence determined prior or agreement on response
 - Treatment costs nearly doubled
- Costs should be shared by affected parties
 - Access to emergency funds?
- Required: sense of humour
- No life if you find a mussel
- AIS people are awesome ©

