

Alberta Aquatic Invasive Species Program





Policy & Legislation





Province of Alberta

FISHERIES (ALBERTA) ACT

Revised Statutes of Alberta 2000 Chapter F-16

Current as of March 31, 2016

Office Consolidation

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E-mail: qp@gov.ab.ca Shop on-line at www.qp.alberta.ca 2015

- Prohibited Species List
- Mandatory Inspection Stations
- Enhanced authority & quarantine provisions

2016

- Pull the Plug
- Mandatory reporting of AIS

2018

- Specified Penalties -
 - \$324 Bypassing an OPEN Watercraft Inspection Station and \$180 for Failing to Pull the Plug







Classification: Public

Education & Outreach











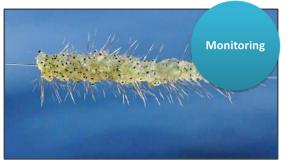
Monitoring

- Collaboration with partners to monitor AIS across Alberta
- Citizen science reports through AIS Hotline & EDDMapS app

find · map · track









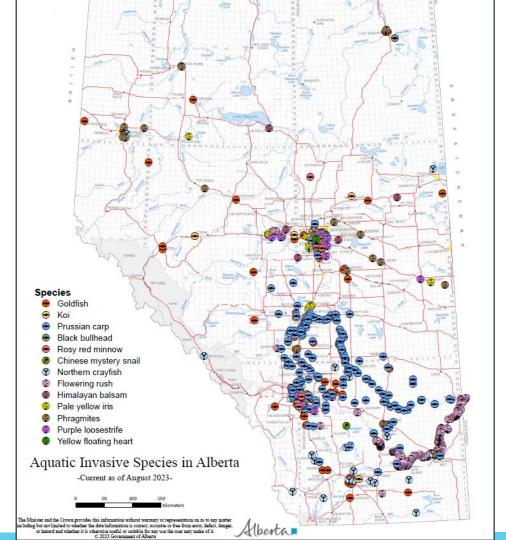
Watercraft Inspections

Year	# of Inspections	Fouled Boat Interceptions	# of Stations
2013	395	1	1
2014	3,740	14	4
2015	21,449	11	9 (+3 Roving)
2016	19,028	17	9 (+2 Roving)
2017	30,957	19	11 (+2 Roving)
2018	31,799	15	11 (+2 Roving)
2019	10,819	19	8
2020	7,276	30	3
2021	7,871	22	4
2022	8,032	19	5











Known Alberta Aquatic Invasive Species Locations



Flowering Rush

Identification



- Aquatic perennial plant
- Linear, sword-like leaves
- Showy umbel of pink flowers









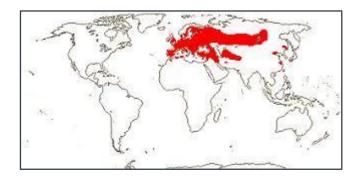


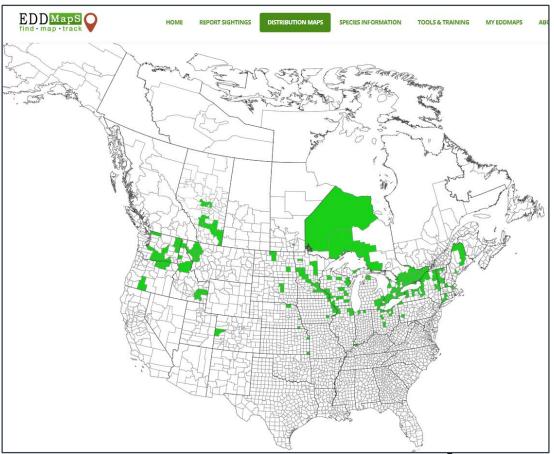
Flowering Rush

Challenges



Origins





How was it introduced?

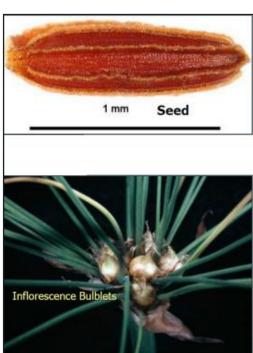
Common plant for water gardens

Commonly obtained through horticulture trade



Vigorous Aquatic Perennial







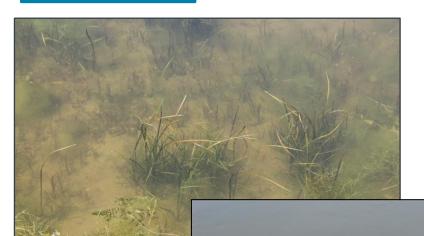
Rhizome fragments



- Large carbohydrate reserves
- Buoyancy
- Preformed roots



Growth Depth



- Max depth reported is 4.5 meters
- Grows in submerged or emergent forms



Displaces Beneficial Plants

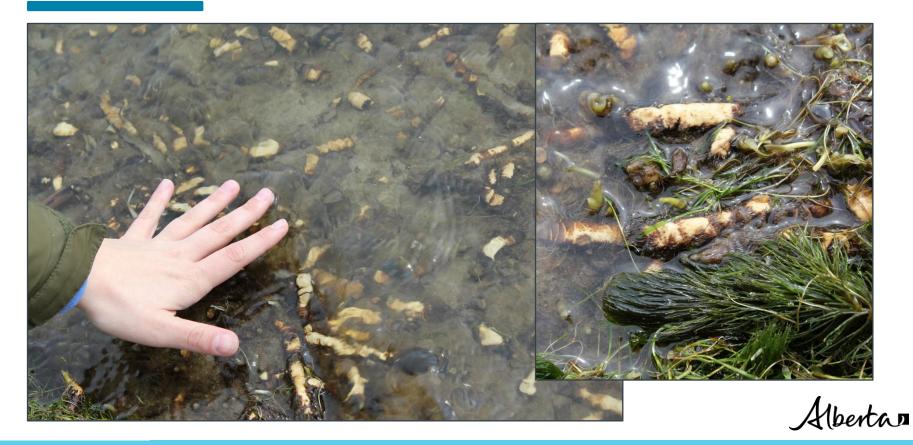


Grows Early in Spring - April





Disturbances encourages growth



Potential Problems

- Decrease abundance and diversity of plants and animals naturally found in area
- Decrease open fish spawning habitat
- Promote deposition of sediment
- Slow or stop water movement
- Limit water access and use
- Promote habitat of intermediate host of swimmer's itch parasite (e.g. great pond snail *Lymnaea stagnalis* L.)

Flowering Rush

Response Efforts in Alberta

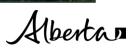




Clipping Flower Heads

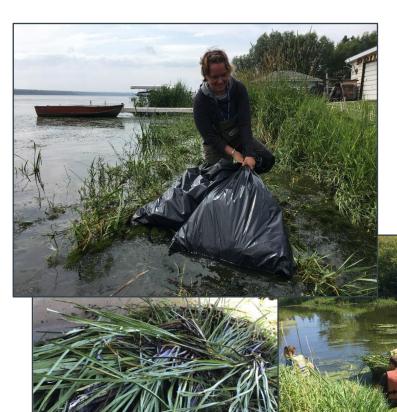












Digging By Hand





Steaming





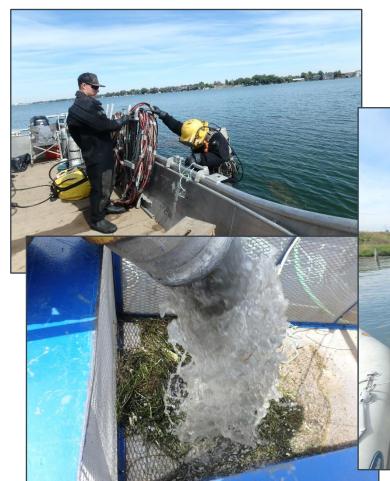
Mechanical Dredging





Mechanical Weed Harvester





Diver Assisted Suction Harvesting





Herbicides Applied in/near Water



Alberta Flowering Rush Potential















