



Flowering Rush

Impacts to the Environment, Economy and Salmon Recovery

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Flowering Rush (*Butomus umbellatus*)

Description

- Only member of its family
- Native to Eurasia
- Emergent flower cluster
- Triangular leaves



Reproduction

Diploid & triploid varieties

- Rhizomatous
- Vegetative Reproduction
- Seeds?





Distribution & Spread





Control

Difficult! (not impossible)

- Herbicides
- DASH, covering
- Biocontrol



Impacts

Environment

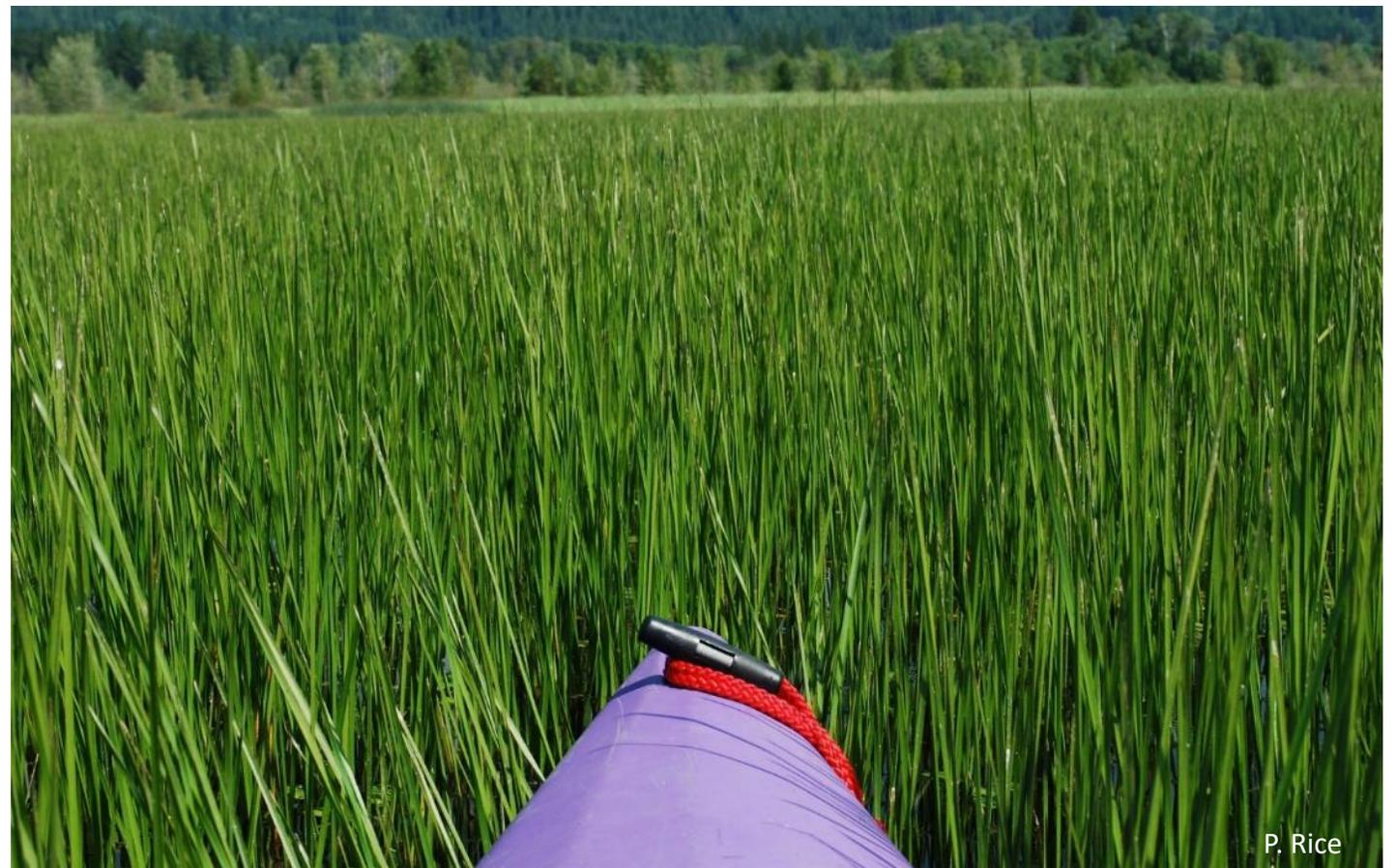
- Dominates a wide range of habitats



Impacts

Environment

- Slows flow
- invertebrate community
- Ecosystem Engineer



Impacts

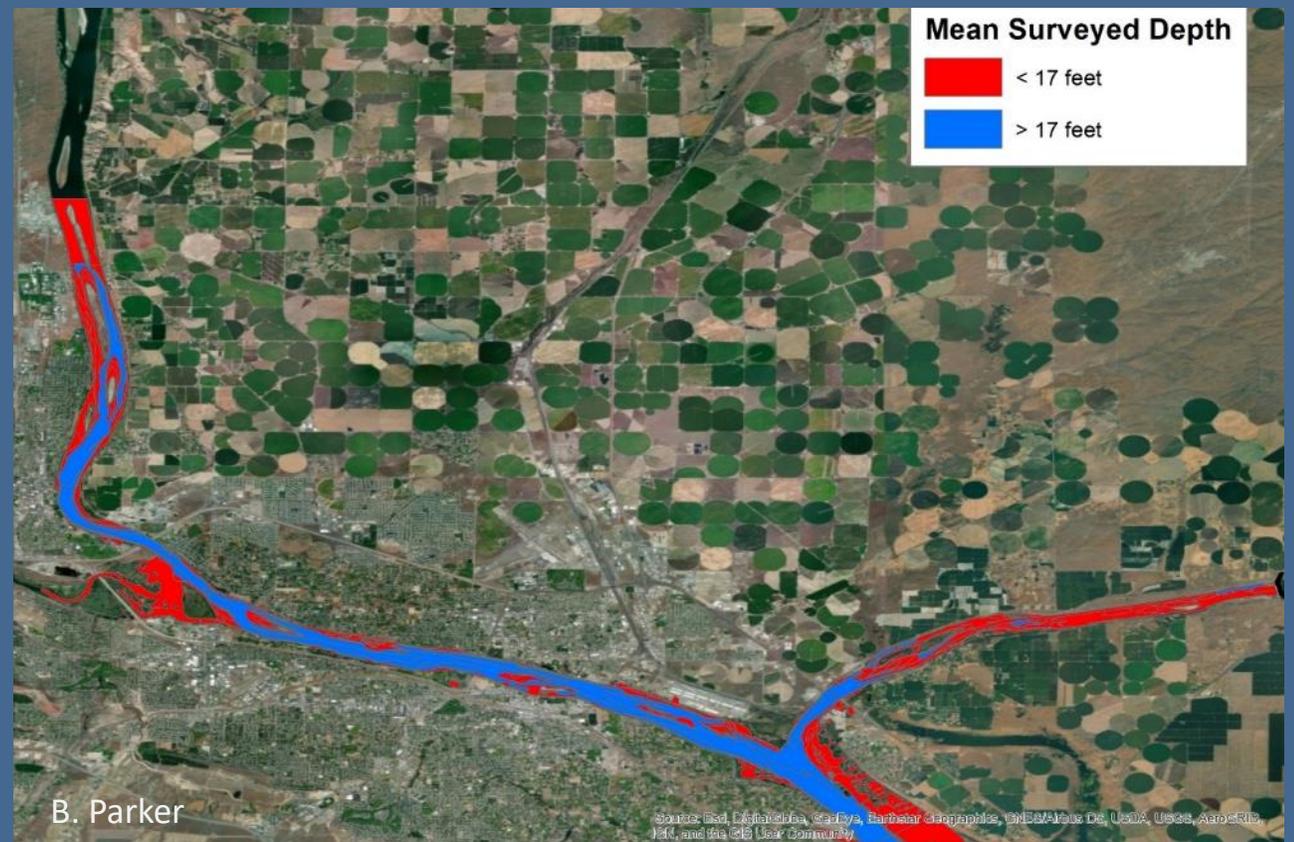
Economy

- High cost to control
- Impacts recreational access
- Link to swimmer's itch



Impacts to Salmon Recovery

- Increased habitat for invasive fish
- Reduced migration corridor



Impacts to Salmon Recovery

Covers spawning habitat



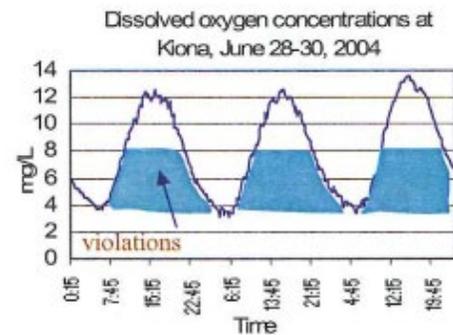
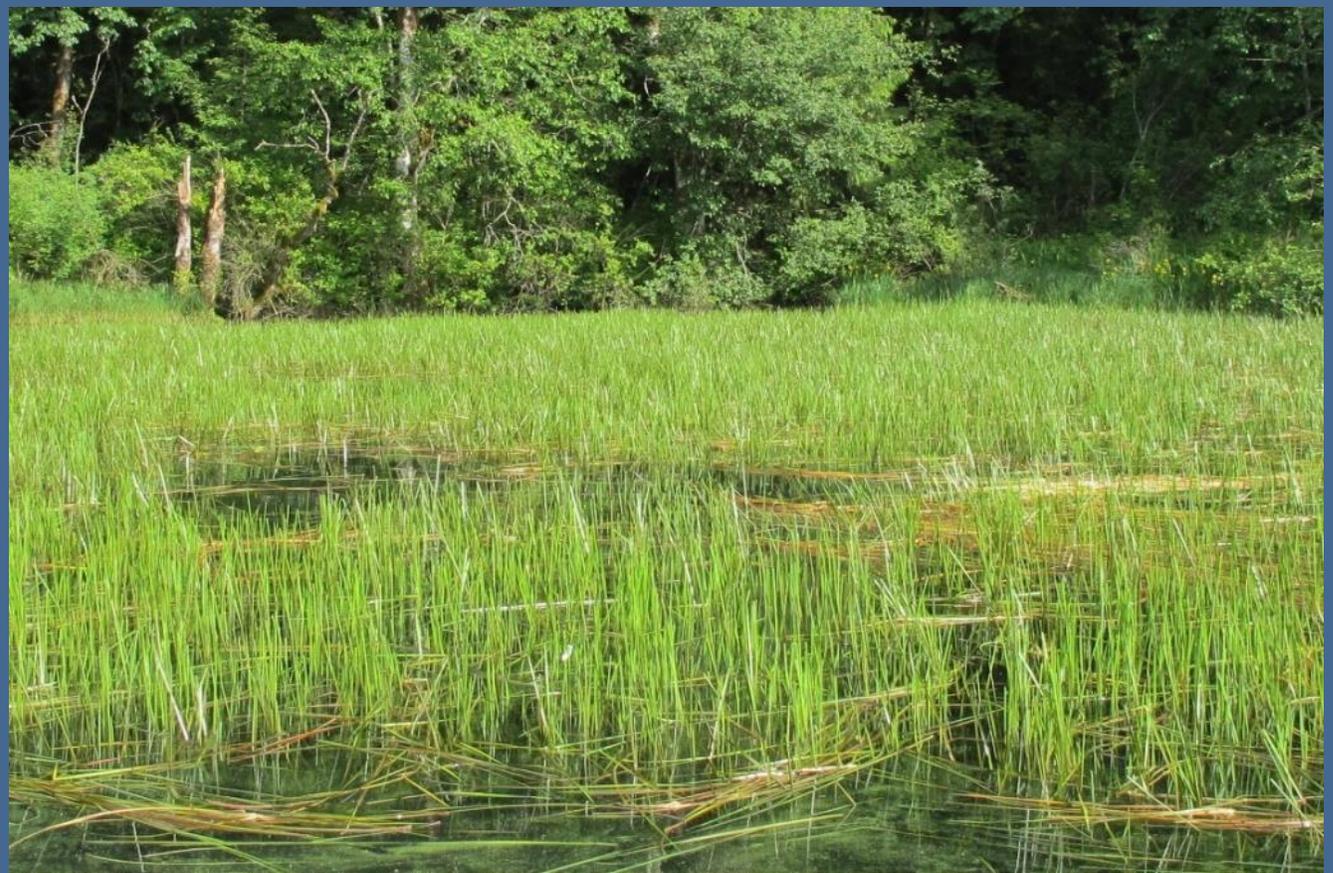
N Harms



Impacts to Salmon Recovery

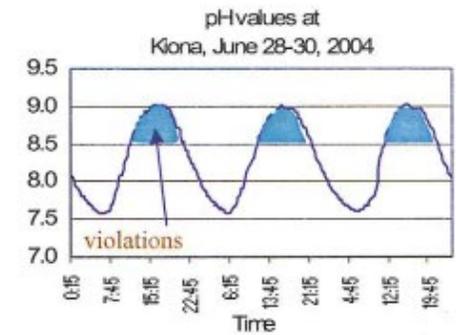
Water quality

- DO & pH swings
- temperature



Bacteria, fish, and insects consume O_2 all the time. Algae & plants produce O_2 during the day but consume it at night.

Algae & plants use CO_2 during the day, which raises the pH.



Benton & S. Yakima CD

Summary

- Threat to many aquatic habitat types
- Rapid Spread
- Control is costly, but doing nothing will be more costly
- Now is the time!



P. Rice

