**Aquatic Weed Control Links**

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**This information is provided by King County and is accurate as of May 2017.**

**Aquatic plant ID and control suggestions:**

A great aquatic plant ID guide is **an Aquatic Plant Identification Manual for Washington's Freshwater Plants** by WA dept. of Ecology: <http://www.ecy.wa.gov/programs/wq/plants/plantid2/>

For aquatic weed control recommendations see:

King County Noxious Weed Control Program’s web site: <http://www.kingcounty.gov/weeds>

# Ecology’s Non-native, Invasive, Freshwater Plants <http://www.ecy.wa.gov/programs/wq/plants/weeds/index.html>

# Ecology’s Aquatic Plant Management Recommendations: <http://www.ecy.wa.gov/programs/wq/plants/plantmgmt.html>

**Rules regarding manual, physical or mechanical aquatic weed contro**l:

State-wide HPA Permit (issued by WA Dept. of Fish and Wildlife): <http://wdfw.wa.gov/licensing/aquatic_plant_removal/>

King County Critical Areas Ordinance: <http://www.kingcounty.gov/depts/permitting-environmental-review/info/SiteSpecific/CriticalAreas.aspx> (when working in un-incorporated king county)

Wetland in Unincorporated King County <http://www.kingcounty.gov/~/media/depts/permitting-environmental-review/dper/documents/cao/manual/II-Wetlands.ashx?la=en>

Aquatic Areas in Unincorporated King County <http://www.kingcounty.gov/~/media/depts/permitting-environmental-review/dper/documents/cao/manual/II-Aquatic.ashx?la=en>

\*Also, check with your local city to see if they have a Critical Areas Ordinance or Shoreline Master Program which also governs management of aquatic plants

**Permits needed for aquatic herbicide spraying:**

**Aquatic Plant and Algae Permit**. Covers: This includes treatment of floating plants (such as fragrant water lily), submersed plants (such as Eurasian watermilfoil) and algae. <http://www.ecy.wa.gov/programs/wq/pesticides/final_pesticide_permits/aquatic_plants/aquatic_plant_permit_index.html>

How to apply for the Aquatic Plant and Algae Permit: <http://www.ecy.wa.gov/programs/wq/pesticides/documents/howToRegisterForSawAqPest.pdf>

Ecology’s fish window document: <http://www.ecy.wa.gov/programs/wq/pesticides/final_pesticide_permits/aquatic_plants/permitdocs/wdfwtiming.pdf>

The most useful document that explains the permit is the: FACT SHEET FOR THE AQUATIC PLANT AND ALGAE MANAGEMENT NPDES GENERAL PERMIT: <http://www.ecy.wa.gov/programs/wq/pesticides/final_pesticide_permits/aquatic_plants/permitdocs/Reissue2016/2016APAMFactSheet.pdf>

Also, the best contact person for questions regarding this permit is:

Jon Jennings

Aquatic Pesticides and CAFOs,Water Quality Program, WA State Dept. of Ecology

Phone: (360) 407-6283 Fax: (360) 407-6426

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**Aquatic Noxious Weed NPDES Permit** (“limited agent” under WSDA’s NPDES permit). Covers: emergent plants (such as purple loosestrife), riparian plants (such as invasive knotweeds) when growing in or over wet areas, and marine weeds (such as *Spartina* spp) that are on the WA State Noxious Weed List: \**The last few pages of the permit contain templates for the public notification signs*

Here is the link to the Ecology page that goes into detail about this permit. Remember that a lot of the detailed reporting requirements outlined in the actual permit are done by WSDA (who actually holds the permit which most of us work under as “limited agents”). <http://www.ecy.wa.gov/programs/wq/pesticides/final_pesticide_permits/noxious/noxious_index.html>

How to apply for the Aquatic Noxious Weed Permit: <http://www.ecy.wa.gov/programs/wq/pesticides/documents/howToRegisterForSawAqPest.pdf>

The most useful document that explains the permit is the:

**FACT SHEET FOR THE STATE OF WASHINGTON AQUATIC NOXIOUS WEED MANAGEMENT NPDES GENERAL PERMIT**: <http://www.ecy.wa.gov/programs/wq/pesticides/final_pesticide_permits/noxious/docs/noxiousdraftfs100511.pdf>

**List of Ecology approved aquatic herbicides and surfactants:**

<http://www.ecy.wa.gov/programs/wq/pesticides/regpesticides.html>

<http://www.ecy.wa.gov/programs/wq/plants/management/aqua028.html>

**Licenses needed to apply herbicide at aquatic sites in WA state:**

The WSDA regulates: who is allowed to apply herbicide. There are several types of Licenses $33- $67/year: Commercial Applicator, Commercial Operator, Private Commercial Applicator, Public Operator (call them and ask what is best for you) <http://agr.wa.gov/FP/Pubs/docs/Form4375.pdf>

You must take and pass exams\* ($25/exam session)(results take ~ 2 weeks to get license after testing):

* + - **Laws and Safety exam** *and* **Aquatic Pest Control exam**

\*Testing is weekly in Olympia, monthly at other locations

**Biocontrol information**:

WSU Extension biocontrol

<http://invasives.wsu.edu/biological/>

**Prevention of spread:**

Zebra and quagga mussel info:

<http://fl.biology.usgs.gov/Nonindigenous_Species/Zebra_mussel_FAQs/Dreissena_FAQs/dreissena_faqs.html>

<http://wdfw.wa.gov/ais/dreissena_bugensis/>

<http://wdfw.wa.gov/ais/dreissena_polymorpha/>

New Zealand mud snail info:

<http://wdfw.wa.gov/ais/potamopyrgus_antipodarum/>

<http://www.kingcounty.gov/environment/animalsAndPlants/biodiversity/threats/Invasives/Mudsnails.aspx>

Chytrid fungus: <http://www.savethefrogs.com/threats/chytrid/>

<http://www.environment.nsw.gov.au/animals/frogchytridfungus.htm>