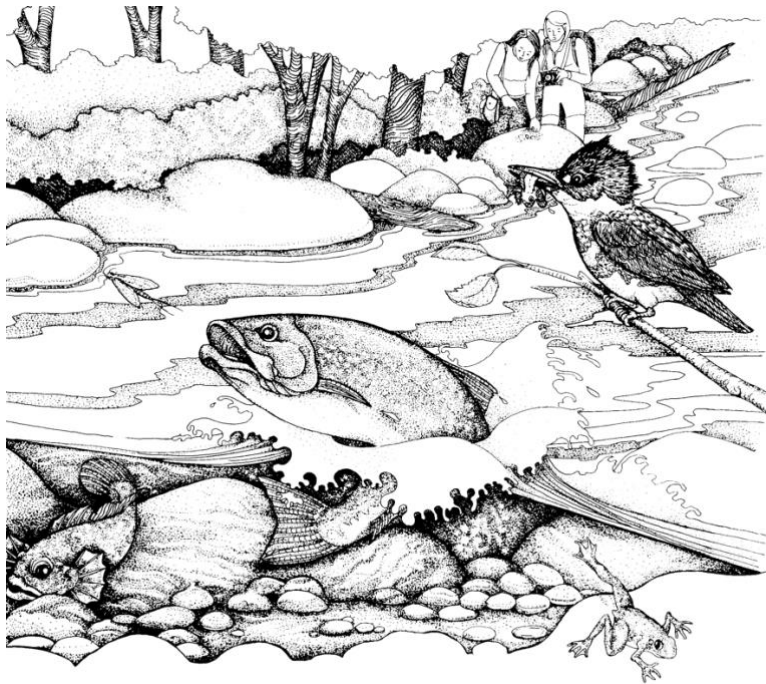


ADOPT A STREAM FOUNDATION's

STREAMKEEPER ACADEMY

presents



Watershed Education Experience

Stream and Wetland Ecology Basic Training

For Park Rangers, Land Use Policy Makers, Developers, Real Estate Agents, Lawyers, Teachers, Streamside and Wetland Property Owners, and everyone interested in stream & wetland ecology.

Wednesday May 15, 2024 - 10:00am to 4:30pm

**Location: The Northwest Stream Center in McCollum Park
600 128th Street SE, Everett WA 98208**

In the Visitors Building & on the Nature Trail

<https://www.youtube.com/watch?v=T55zEuM3FXo&t=6s>

Dress for the weather as you will be outdoors on the Nature Trail for the majority of the event and **bring a lunch** for a mid-day **working lunch** in the Visitors Building.

The Watershed Education Experience Day

10 am CHECK IN: introductions, receive reading materials, receive an earpiece “listening device,” test that device, and learn about your home watershed!

10:30 am to 11:30 am WATERSHEDS, RIPARIAN ZONES, AND STREAM ECOLOGY outside on the Nature Trail

- Watersheds – history/functions/values
- Riparian Zones – functions/importance to fish/wildlife/people
- Fluvial Geomorphology –stream flow, erosion/deposition, channel forms/functions
- Stream life – fish, crayfish, clam, mussel, & aquatic insect cycles/relationships and habitat requirements – yes, there are freshwater clams and mussels!

**11:30: am to 1 pm WORKING LUNCH BREAK in Visitors Building.
EAT LUNCH you brought FROM HOME, SEE, and DISCUSS**

- *The Salmon Forest* narrated by David Suzuki (45 min)
- *The networked beauty of forests* by Suzanne Simard (7 min)
- *Fabulous Wetlands* by Bill Nye the “Science Guy” (6.5 min)

1:00 pm to 2:30 pm ELEVATED FOREST AND WETLAND WALK, on the Elevated Forest and Wetland Walk

- Wetland Restoration & Biofiltration – 30-years after
- Cedar Cathedral Viewpoint – Native American perspective/social justice
- Salmon Arena Viewpoint – salmon/forest relationship
- Forests – tree, shrub, moss, lichen, root, fungus, wildlife, and decomposer connections & the secret lives of Banana Slugs!
- Wetlands – functions for wildlife and people, scientific classifications

2:30 pm to 3:00 pm Sorgenfrie Marsh, a wetland restored from a parking lot

- Protecting Natural Systems – doing it!

3:00 pm to 4:00 pm WHAT ARE THE RULES AND WHO ARE THE RULERS

- “Alphabet Soup”- understanding federal, state, and local environmental rules
- Environmental Protection Rulers - politics & connections
- Watershed Investigation – know your home watershed, see key interactive databases

4:00 pm to 4:30 pm Group Discussion & Closure

- Discussion - specific watershed problems you experience and need to solve
- Closure – receive a course evaluation & Adopt A Stream Foundation reward

Classes Size: maximum of 15

Instructors: Tom Murdoch, Stream Ecologist and Adopt A Stream Foundation Director assisted by Anna Gilmore, Senior Ecologist; Mollie Brown, Ecologist; Lynsey Sandum, Media Coordinator, or Kelly Singleterry, Environmental Educator

College Credit & Clock Hour Options (Pending)

1 Credit from WWU (report required) 5.5 Teacher Clock Hours from WSTA
5.5 Real Estate License Clock Hours. 5.5 Real Estate Appraiser Clock Hours
5.5 Continuing Legal Education Hours

Cost: \$100 (includes course materials)

Course Material:

- *Stream Consciousness: Watery Web of Life* by William Dietrich
- *Adopting A Stream: A Northwest Handbook* and *Adopting A Wetland: A Northwest Guide* by Steven Yates, edited by Tom Murdoch
- *Streamkeepers Field Guide: Watershed Inventory and Stream Monitoring Methods* (excerpts) by Tom Murdoch and Martha Cheo.

REGISTRATION FORM *Watershed Ed. Exp. & Stream and Wetland Ecology Basic Training* May 15, 2024

To register, complete this form, detach, and return it with \$100 payment to **The Adopt-A-Stream Foundation** at the Northwest Stream Center, 600-128th Street SE, Everett WA 98208, or register by telephone (425) 316-8592.

Name: _____ Daytime Telephone: (____) _____

Affiliation or Organization: _____

Address _____

City: _____ State: _____ Zip: _____ Email: _____

Enclosed is a check for \$100 payable to **The Adopt A Stream Foundation** or

Please bill my: Credit Card # _____ Exp. Date _____

Sec. Code# _____ Zip code of billing address _____ Name on card _____

For questions about this or other Adopt A Stream programs or publications, please call 425-316-8592. Visit us on our website at www.streamkeeper.org

