MACROINVERTEBRATE SAMPLING TRAINING
Saturday — Sept. 9, 2006 9am -1pm

IMPROVED SAMPLING PROTOCOLS

This important training is mandatory for new trainees. Veteran volunteers are strongly urged to retrain, as protocols have been refined.

RSVP so we have enough equipment and instructors. Training will be held in the County Commissioners’ Meeting room—enter on west side of Courthouse, left of main entry. For more info, call 417-2281, email streamkeepers@co.clallam.wa.us; or visit www.clallam.net/streamkeepers/.

FIELD TRAINING GRACIAS!

Gigantic thanks go to Peter & Jane Vanderhoof! Once again Streamkeepers were allowed to descend on their farm, barn, stream, & home for annual field training! This year they provided excellent organic food for the evening meal as well—yummy!

The delectable desserts were made by the very talented new County Planner LaJane Schopfer—delicious!

Gold star to Theresa Powell for your time leading F&W observations & for the fabulous maple-syrup-marinated sockeye!

Jim Podlesny, Bob Dunlap, Coleman Byrnes, & Adar Feller: Thanks for serving as field instructors.

Art Ayres, Mary Lawrence, Bruce & Gerri Ferguson: Thank you for setting up, monitoring snacks & beverages, & running the grill!

To ALL 50-odd Streamkeeper volunteers who took the time to attend, learn, evaluate, & clean-up: THANK YOU—you make all the difference.

Streamkeepers is fortunate to have such amazing volunteers, advisors, and citizen involvement!

Thank You

FALL MONITORING Sept. 15-Oct. 15

The upcoming monitoring session takes muscle, magnifiers, and mental acumen. The more volunteers to help during fall monitoring (especially those trained in the updated macroinvertebrate protocols), the better!

Also, please experiment with cell phone coverage at monitoring sites and take GPS coordinates if you have that technology; record this info on your field notes.

If you haven’t been contacted by your team leader/s by September 10, feel free to give them a call with dates you are available to monitor.

HELP NEEDED AT FAIRS!

Streamkeepers’ Education & Outreach Team will be hosting booths at NOLT’s StreamFest on Sept. 10 as well as the Dungeness River Festival, Sept. 22-23. This is a terrific opportunity to educate children and their adults about our local streams and our local Streamkeepers! The Education and Outreach Teams needs volunteers. If you are available to help (no amount of time is too small), contact Julie Slagle!

...AND AT THE OFFICE TOO!

Are you looking to help Streamkeepers more than just once per quarter? Do you have computer experience or an eye for detail? We have a plethora of office jobs (small to large, basic to technical) for any interested volunteer! Call or email us TODAY!

+Free First Aid Class+

October 20, 2006 from 8am-5pm

Streamkeepers have another opportunity for a 1st Aid Class @ the PA Fire Department. Here’s your chance to get recertified in 1st Aid – FREE! Please contact Streamkeepers if you are interested.
SPARTINA DRIFT CARDS
A year-long spartina drift card project is underway in Puget Sound and Canadian waters. Washington state is participating in a "drift card" project with Canada to determine how spartina cordgrass and other destructive, invasive marine plant seeds spread in salt waters of Washington and British Columbia. The bright orange 4-in. by 6-in. wooden plywood cards float on the same tides and currents as a potential spartina or marine plant seed, showing officials where they should look for new infestations.

Through next May, 600 cards will be launched each month from sites in Washington and Canada to determine where tides and currents take them. Launch sites in the U.S. are at South Skagit Bay in Snohomish County; Livingston Bay in Island County; and Turners Cove in Skagit County.

For more information, contact the Puget Sound Action Team, at 1-800-547-6863, or visit the organization's Web site at www.psat.wa.gov. Information on spartina see WSDA Website at: www.agr.wa.gov/PlantsInsects/Weeds/default.htm.

DOE DOCUMENT ON DAMS & WQ & ECONOMIC FEASIBILITY
Ecology is releasing their first draft of economic feasibility guidance for dams for a 30-day public review. The draft can be accessed at http://www.ecy.wa.gov/programs/wq/swqs/uaa.html. This site also contains information on two public workshops that will be held on August 23 and 25 to discuss the draft guidance.

The Department of Ecology was awarded assistance from USEPA to develop a first draft of economic feasibility guidance for hydrologic modifications in Washington. This draft guidance is being developed with assistance from USEPA Region 10 and their consultant. The guidance will be primarily focused on evaluating dams when assessing strategies to comply with Washington's water quality standards (as per WAC 173-201A-510). The guidance will also be used by Ecology to inform the processes of assessing requests for temporary variances from water quality standards and assessing attainable uses in Washington's surface waters (as per 40CFR131.10(g)(4) and (6)).

All meetings and products will be announced via the Surface Water Quality Standards list serve. You can sign up for the Surface Water Quality Standards list-serve at http://listserv.wa.gov/archives/swqs.html.

DOE PROPOSES TO STUDY TOXINS IN FRESHWATER FISH
Toxic contamination of our air, water, soil, and wildlife are statewide concerns. To address these concerns, Ecology developed the Washington State Toxics Monitoring Program (WSTMP). The goals of the WSTMP include:

- Define the extent of, and changes in, contaminants in freshwater fish in WA.
- Improve access to information & data on contaminants in WA via the internet.
- Develop monitoring efforts to address particular issues (e.g. contamination of birds & other wildlife) & establish cooperative programs with other agencies.

Fish tissue sampling for the 2006 WSTMP will begin in September this year at a subset of candidate sites.

- See Ecology’s website for more information and maps: http://www.ecy.wa.gov/programs/wq/watershed/index.html
- Results from the 2004 & 2005 monitoring efforts will be reported in 2007.

Local lakes that are on their list include Lakes Cushman, Leland, Aldwell, Sutherland, and Crescent.
ALTERED OCEANS ARTICLE

“For more than a decade, teams led by Richard Feely, a chemical oceanographer at the National Oceanic and Atmospheric Administration’s Pacific Marine Environmental Laboratory in Seattle, have traveled from Antarctica to the Aleutian Islands, taking tens of thousands of water samples to gauge how the ocean’s acidity is changing.”

A Chemical Imbalance Growing seawater acidity threatens to wipe out coral, fish, and other crucial species worldwide. The fifth of a five-part series of Seattle Times articles by Usha Lee McFarling, Times Staff Writer, August 3, 2006. To link to the entire series by Kenneth R. Weiss, go to http://www.latimes.com/news/local/oceans/la-oceans-series,0,7842752.special

POPULATION ACTION

How many people will live on the planet 20 years from now? Where will they live? Where will population grow, and where will it decline? The map on this web page illustrates a projected possible answer to these questions, applying new methods of mapping population density and of projecting its future. No one can predict the future of human population with any certainty, but United Nations demographers offer a series of projections that suggest a world population of between 7.5 billion and 8.3 billion in 2025. View this website at: http://www.populationaction.org/resources/publications/mappingthefuture/index.htm

FISH & WILDLIFE NEWSLETTER

This online publication includes articles on Economic value of the Natural environment; Understanding Washington’s critical areas (Economics of Critical Areas; Habitat Fragmentation in Urbanizing Areas; Off-site Mitigation in Clark Co.; Conferences, Workshops, & Trainings; Grant Opportunities. Visit website: http://wdfw.wa.gov/hab/fw_planner/fw_planner_jul_2006.pdf

GREAT USEPA WEB RESOURCES

Like 5 Simple Ways to Save Water. Important, simple advice like:

1. Be smart when irrigating your lawn or landscape.
2. Use your appliances wisely.
3. Don’t flush your money down the drain/toilets.
4. Conserve around the house.
5. Stop those leaks.

For great tips on topics from asbestos to wetlands, visit http://www.epa.gov/.

Upcoming Events & Classes

Bird Walks, Every Wed. a.m., 8:30-10:30am.
Meet at the River Center for a weekly walk to see and hear the birds of the lower Dungeness riparian forest. Information from these on-going walks helps us understand the annual cycle of the birds of Railroad Bridge Park. For more information call the Dungeness Audubon River Center at 360-681-4076 or visit http://www.dungenessrivercenter.org/.

Dungeness River Management Team Mtg
Second Wednesday each month, 2-5pm.
Dungeness River Audubon Center
The experts and informed public groups that oversee the management of the Dungeness area watershed. For more information call the River Center at 360-681-4076 or visit http://www.olympus.net/community/dungenesswc/.

Septics 101, Wed., Sep. 13, 6-8pm.
The septic system is one of the most expensive parts of many homes, requiring regular inspection & maintenance. This class, taught by Clallam Co. Environmental Health Div., teaches homeowners how septic systems work and what must be done to keep systems in good working condition. Meet at the Dungeness River Center for this class. You must pre-register for this class with Clallam County by calling 360-417-2258.
**In The Flow**

### Upcoming Events & Classes cont.

**Third Saturday Work Party**, Sept. 16, 9-noon

Three short hours helping RR Bridge Park. Please help keep RR Bridge Park looking bright and beautiful! Bring your work gloves to assist with gardening, cleaning, trail maintenance and other chores that make this park shine. Donuts and drinks provided!! For more information call the Dungeness Audubon River Center at 360-681-4076 or visit [http://www.dungenessrivercenter.org/](http://www.dungenessrivercenter.org/).

**NOLT’s STREAMFEST**, Sun., Sept. 10, noon-pm

Free, fun activities for all ages, focusing on natural assets. Salmon Cookout Fundraiser. Shuttles provided from 11:30-5:30. Held at Ennis Arbor Farm. For more info. call 360-417-1815 or e-mail [info@northolympiclandtrust.org](mailto:info@northolympiclandtrust.org) or [www.northolympiclandtrust.org](http://www.northolympiclandtrust.org).

**Forest Owners Field Day**, Sat., Sept. 16, 8am-4:30pm,
Pilchuck Tree Farm, Arlington, WA

An educational event open to the public! Whether you own a “home in the woods” or many acres of forest land, this “out in the woods” educational event is packed with practical “how to” information that you need to know! Stewarding forestland is both rewarding and challenging. Come find out how to recognize potential problems, and learn what to do and how to do it. During the day, you may participate in educational programs instructed by the state’s recognized experts in forest health, silviculture, wildlife habitat, and soils. Presenters will also be available to answer questions specific to your needs and property situation. For more information call Family Forest Foundation at 360 -345-1023 or John Keller, DNR at 360-856-3491.

**Beginning Bird Seminars**, Six Tuesdays, beginning September 19-October 24; 7-9pm.

Weekly seminars and field trips designed for beginning birders, new residents who wish to learn local birds, and anyone who wants to better understand birds. Seminars include basic bird identification, bird feeders, birdhouses, field guides and manuals, and birding optics Limit: 16 people. Please pre-register. $40 for River Center partners, $60 for non-partners. For more information call the Dungeness Audubon River Center at 360-681-4076 or visit [http://www.dungenessrivercenter.org/](http://www.dungenessrivercenter.org/).

**Alternative Power Systems for the NW**, Wed., Sept 20, 6:30-7.30 pm; presented by Andy Cochrane-Power Trip Energy. **FREE** public educational evenings, PA Library. Come & hear about the latest in Green Building from local experts in the field. Sponsored by NW Ecobuilders Guild. Also Wed., Oct 18, 6.30-7.30 pm; Icynene Insulation for Built Green Homes, presented by Andrew Kumpula; Wed., Nov. 15, 6.30-7.30 pm Low Impact Development for Built Green Homes, presented by John Cambalik. For more info contact James Henderson @ [henderson@olympen.com](mailto:henderson@olympen.com).

**West Coast Symposium on the Effects of Tide Gates & Dikes on Estuarine Habitats and Fishes**, Oct. 31- Nov. 2, 2006 at South Slough National Estuarine Research Reserve, Charleston, OR. The purpose of this workshop is to present introductory information regarding dikes and tide gates, & their effects on estuarine habitats and fish passage to the general public, watershed councils, environmental consultants and government agency staff. Updates will be available at the Fisheries Extension Website: [http://fw.oregonstate.edu/extension/fish/](http://fw.oregonstate.edu/extension/fish/) of OSU's Department of Fisheries and Wildlife. For more info contact: Donna Fouts [fouts@onid.orst.edu](mailto:fouts@onid.orst.edu) or Guillermo Giannico [giannico@oregonstate.edu](mailto:giannico@oregonstate.edu), John Bragg [john.bragg@state.or.us](mailto:john.bragg@state.or.us)


RiverMorph Stream Assessment & Restoration Software Applications; Watershed 101—Introduction to First Principles; Floodplain Ecohydraulic Modeling; CanVis Simulation Software Applications. Intended audience: hydrologists and biologists, citizens groups and basin councils, agency personnel, consultants, university folks, and policy types. For more info contact Gale Blomstrom 360-407-6548 or visit: [http://www.watershed.org/wmc/index.php](http://www.watershed.org/wmc/index.php)

**DUNGENESS RIVER FESTIVAL**, September 22-23, All Day!

Meet Us At The Bridge!! Help celebrate the watershed that keeps the Sequim-Dungeness Valley alive at the Dungeness River Audubon Center. There will be activities for kids and adults, music, art, food, and much more.

**Streamkeepers Education & Outreach Team will be hosting a booth, to help please contact Julie Slagle.** For Festival info call the Dungeness Audubon River Center at 360-681-4076 or visit [http://www.dungenessrivercenter.org/](http://www.dungenessrivercenter.org/).