

Public Meeting Invitation

Tues, Nov 18, 6 - 8 p.m., Monroe Community Library

Willamette Slices: measuring the Willamette River's past, present & future



Photo: Willamette River Initiative



Photo: Freshwaters Illustrated



David Hulse

Topics

- The importance of agricultural land, side channels and oxbows to fish & wildlife.
- How the "Slices" framework tracks changes over time in river health and native species.
- How this free tool can inform a range of management and restoration decisions.

more info on next page

Presenter:

David Hulse is an award-winning educator and landscape architect at the University of Oregon.

Meeting Host:

David Turner, LTWC Board member

Open to all, free with refreshments

For more info, Rob: 338-7060 or
operations@longtom.org

The Long Tom Watershed Council serves to improve water quality and watershed condition in the Long Tom River basin through education, coordination, consultation, and cooperation among all interests, using the collective wisdom and voluntary action of our community members.

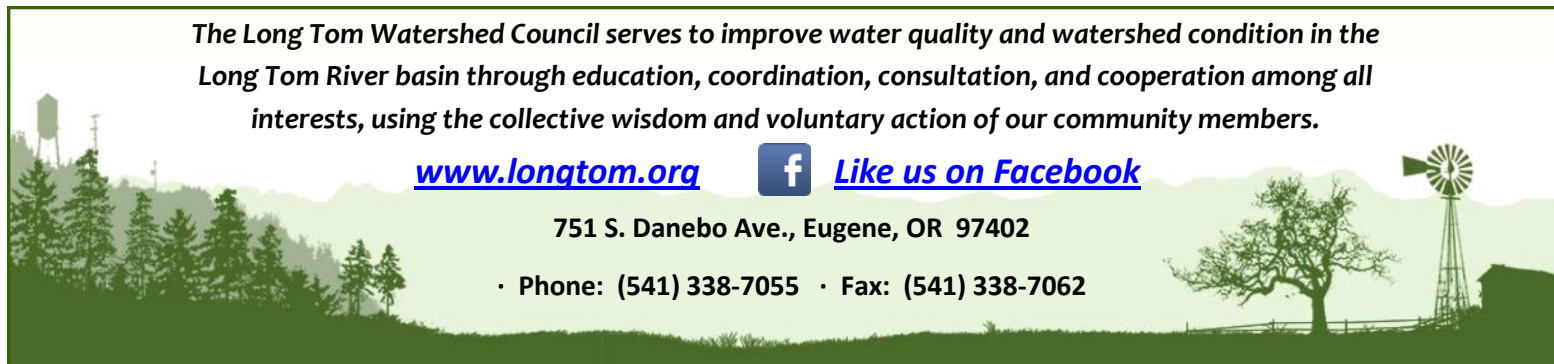
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Willamette Slices: measuring the Willamette River's past, present & future - presented by David Hulse

The Willamette River Basin is blessed with productive farmland and a diversity of habitat for fish and wildlife. Over the last one and a half centuries the Willamette Valley has seen significant change. It's now home to more than two-thirds of Oregon's 4 million residents and is the source of three-quarters of the state's commerce. The river is also home to many native species, and changes to the river impact both people and fish and wildlife.

At the November 18th public meeting, David Hulse, landscape architect and professor at the University of Oregon, will present a tool for comparing changes over time in the river's physical features, adjacent habitats, and areas of human settlement. This "Slices Framework" measures changes over time in river health and native species by breaking the areas that are historically inundated by higher flows into 1 kilometer segments and ten 100 meter slices in each kilometer. This framework is a free tool developed to inform a range of management and restoration decisions on the areas along the Willamette River, and this framework can help us better understand when and how adjacent agricultural land, side channels and oxbows are important to fish and wildlife.

Over 40% of the Willamette Valley is in agricultural production, and a study found that native fish take refuge in the shallow seasonal floodwaters that inundate these fields. Side channels also create habitat during high flows that provide slower waters and cover from predators. When water fills these side channels in winter, it not only creates habitat but reduces the impacts of flooding on adjacent agricultural fields.

This presentation is especially relevant as LTWC has expanded its service boundary to include lands adjacent to the Willamette River. LTWC has a 16-year history of working with private property owners on a voluntary basis to improve fish and wildlife habitat in practical ways, and the Council is excited for opportunities to develop more grant funded projects along the Willamette that are mutually beneficial for habitat, landowners, and the activities and legacy important to people. **Visit the Slices website at <http://ise.uoregon.edu/slices/main.html>**



An example of the Slices framework east of Monroe. The river is divided into 100 meter slices within larger 1 kilometer segments that measure things like channel complexity, native species, and how the river interacts with adjacent areas.



Side channels to the Willamette like this one create habitat during high flows that provide slower waters and cover from predators for fish like this juvenile Chinook salmon.

17th Annual Celebration: Thanks for your support!

Thurs, Oct 23, 2014

Thank you to the 109 watershed friends & neighbors who attended!

Presenting Sponsors



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Celebration Supporters (folks who donated with their tickets)

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Special Thanks

Special Guest Speaker Stan Gregory, Ephraim Payne for arranging all sponsors and gifts (as a volunteer!)





Please make an end of year gift!

It's the time of year when friends and family come together to give thanks for what's meaningful in their lives. The Long Tom Watershed Council is thankful to our friends across the watershed community for their support and participation in improving stream health and habitat for fish and wildlife. We're inspired by the largest turnout ever at our October 23 Annual Celebration (109 people!), and it shows that a great deal can be accomplished when diverse and caring people come together. Please help us continue our important, locally-based work by giving a generous tax-deductible gift to LTWC this holiday season. You can donate through our website, www.longtom.org, or by sending a check with the reply card below.

Make an easy donation through PayPal:

1. Visit www.longtom.org/donate
2. Follow the instructions on the simple form
3. Enter your PayPal or credit card information



Questions? Please call Rob, 541-338-7060 or operations@longtom.org



751 S. Danebo Ave.
Eugene, OR 97402
541-338-7055

Yes, I support active community solutions to restore clean water and enhance habitat for fish and wildlife. Enclosed is my contribution in the amount of:

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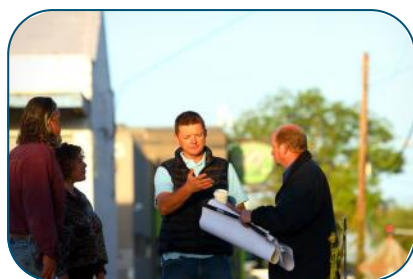
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Your tax-deductible support allows us to do unique local work for this community! Invest, Restore, Inspire!

Exciting progress on urban stormwater projects!



Earlier this year, we hit a milestone in completing our second urban restoration project to improve stormwater. Now, we have 7 projects in the works all over Eugene! The above project at Joe's Garage on 1st Ave. is redesigning a parking lot and installing a rain garden that will treat stormwater onsite. LTWC can provide free technical assistance, including plant selection, contractor and permitting support, as well as grant funding for off-setting installation costs. For more info, contact **Sarah**: 541-338-7045, urbanwaters@longtom.org

Upcoming LTWC Events

Taste the Watershed at Claim 52

Friday, Jan. 23, 5 - 9 p.m. (1030 Tyinn St, Eugene)

Claim 52 is donating 25% of their beer sales to LTWC!

Next Public Meeting

Tuesday, January 27, 6:00 p.m. Veneta Community Center

Topic coming soon!

The Long Tom Watershed Council, a local nonprofit, counts on participation from many people and organizations. The local office of the Bureau of Land Management (BLM) donates postage for our mailings. They use the following disclaimer, standard procedure for all BLM partnerships:

BLM Disclaimer: "The views and conclusions contained in this document are those of the authors and should not be interpreted as representing the opinions or policies of the U.S. Government. Mention of trade names or commercial products does not constitute their endorsement by the U.S. Government."

The Long Tom Watershed Council is still a local nonprofit (since 1998) with no government authority. We partner with local people, businesses, and agencies in the interest of finding local solutions and bringing grant funding from private and public sources to do restoration, education, and monitoring work in the Long Tom River basin. We're thankful for the donation of postage expenses!

LTWC Board of Directors

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Long Tom Watershed 10 Sub-basins



Council Staff Contacts

Dana Dedrick, *Watershed Coordinator/E.D.*: 541-338-7055

Jed Kaul, *Fish Biologist/Aquatic Projects Manager*: 338-7058

Katie MacKendrick, *Restoration Ecologist*: 338-7033

Sarah Whitney, *Urban Restoration/Stormwater*: 338-7045

Rob Hoshaw, *Operations Manager*: 338-7060

Brenda Cervantes, *Program & Operations Assistant*: 338-7042

Amanda Wilson, *Fiscal Manager*: 338-7055

Choose native plants for your landscape or garden!

Over the next few issues, we're going to highlight some common ornamental plants found in garden centers and nurseries that can have negative impacts on native habitat and wildlife. Cotoneaster (pronounced ko-toe-nee-AS-ter) is an example of a non-native plant sold as an ornamental that is popular in urban gardens and rural hedgerows. There are several dozen species of similar plants by this name that can be either evergreen or deciduous—usually shrubs or small trees. All species have many branches or stems, lack thorns, have simple dark green leaves, and have clusters of 5-petaled flowers (usually white). Their most readily identifiable feature is small, round fruit (usually red).

These plants are native to Europe, Asia and north Africa but were introduced for their appeal to songbirds. Even though birds enjoy eating the berries, Cotoneasters can outcompete and displace native plants that hold better value for wildlife, and these plants have escaped into rare prairie and oak habitats where encroachment from woody vegetation is degrading the habitat. Cotoneaster is easily dispersed by birds who will deposit the berries. One of the most effective ways you can help reduce the spread of Cotoneaster and other non-native ornamentals is to choose to buy native plants for your garden or landscape. Red flowering currant, snowberry, and nootka rose are just a few examples. The Native Plant Society of Oregon offers an excellent list of native plants, <http://emerald.npsoregon.org/>



Photos from Oregon State University Extension



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Monroe Community Library

380 N. 5th St (Hwy 99). Across the street from Monroe High School