



**Council
Minutes Meeting of
May 3, 2017**

Stakeholders Present:

Bob Baumgartner	Service Districts (Sewerage) Representative, Clean Water Services
Eric Chambers	Small Woodland Owners Alternate Representative, Washington County Small Woodlands Association
Stephen Cruise	County Primary Representative, Washington County
Alfred Dinsdale	Environmental Organizations Alternate Representative, Tualatin Riverkeepers
Ariel Kanable	Business and Industry Representative, Washington County Visitors Association, Primary Representative (shared position)
Tom Nygren	Small Woodland Owners Primary Representative, Washington County Small Woodlands Association
Jon Pampush	Fisheries Primary Representative, Trout Unlimited
Tom Pessmier	City Alternate Representative, City of Sherwood
Erin Poor	Citizen at Large Primary Representative
Kim Sanderford	Nurseries Primary Representative, Scholls Valley Native Nursery
Victoria Saager	Citizen at Large Primary Representative
Rich Van Buskirk	Education Primary Representative, Pacific University
Ross Van Loo	Citizen at Large Primary Representative
Dave Waffle	City Primary Representative, City of Beaverton

Staff Present

April Olbrich	TRWC Coordinator
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Guests Present:

Kurt Carpenter	USGS hydrologist
Cortney Kerr	Guest
Wade Peerman	Oregon DEQ, Tualatin Basin Coordinator
Chris Toole	Tualatin Basin resident

Welcome and Introductions: The meeting commenced at 7:00 p.m. with introduction.

Approval of April TRWC minutes: A motion was made by Dave Waffle and seconded by Tom Nygren to adopt the April meeting minutes, which were adopted by consensus.

Public Comment:

Wade Peerman introduced himself as the new Tualatin Basin Coordinator with DEQ. He has replaced Avis Newell. Wade made a quick comment on the 319h grant funding opportunities.

The Steering Committee meeting is being held the 2nd and 4th Wednesday of every month. Council members are encouraged to participate.

A question was asked about the water levels at Wapato Lake. It is anticipated that Wapato Lake will be dry by May 19.

Presentation: Storm-event transport of urban-use pesticides to streams likely impairs invertebrate assemblages.

Kurt Carpenter with USGS gave a presentation on urban-base pesticides and their effects to aquatic environments. A few of the highlights are listed below.

USGS conducted a Phase I effort in Clackamas Basin to identify what was coming from each tributary. One of the results of their study showed that storm-event transport of urban-use pesticides to streams impairs invertebrate assemblages. In this study, USGS looked at what was being sold in big box stores to see the most commonly used pesticides for which they should be testing. They didn't have the ability to test for every possible contaminant. Their Clackamas study also showed the importance of the first flush event. Coho typically move upstream during the first flush and then sit in pools of polluted water waiting for the next significant storm to continue upstream and spawn. The Clackamas first flush study in 2005 showed that the greatest number of compounds and concentration of those compounds is found in the first flush.

USGS has also looked into pesticide presence in the Tualatin Basin. They detected 93 different compounds. A few poorly understood issues regarding pesticides are their breakdown products and potential cumulative effects of being exposed to a combination of chemicals. Breakdown products can be more toxic than their parent compound and aquatic organisms may be exposed to a combination of chemicals that haven't been tested together to understand their impacts.

A few of the findings in the Tualatin basin include: Dairy Creek at Highway 8 had an Atrazine concentration of 0.75 ug/L. Carbaryl was found at 33x the benchmark level. A Signal Crayfish die-off occurred in Fanno Creek in September 2016. They were found five days after the first flush event and samples were taken. In those samples, 11 pesticides were detected, including the permethrin insecticide. Suspects for the die-off include: permethrin, found in the crayfish and water; high levels of copper (metals can impact crayfish while not impacting fish); or an unknown pesticide.

Kurt also discussed the Clackamas County MS4 (stormwater) study. In this study, they analyzed storm runoff for 91-118 pesticides and degradates (pesticide breakdown products). In this study, four media were analyzed – dissolved, suspended sediments, SIFT sediments, and streambed sediments. Thirty-three different pesticides were detected in the samples. Of those, bifenthrin and fipronil were at the top of the list. These chemicals are used to kill ants and other insects, and can impact aquatic invertebrates. While only chemicals in the dissolved phase were studied, this toxicity pathway is more important due to the variety of ways it can impact an organism. Comparing the stormwater pesticide runoff concentrations and invertebrate assemblage disturbance

classes showed that bifenthrin in streambed sediments had the highest impact to benthic invertebrate assemblages,

Coordinator Updates. GC/Clear Creek confluence permits submitted. Upcoming outreach events: May 7, Beaverton School Green Teams Eco-Work day at North Johnson Creek enhancement project. May 20, Tualatin River National Wildlife Refuge Bird day. Additional details on Project Updates: See April 2017 project updates, part of the meeting packet.

Weyerhaeuser will be replacing a culvert in July on West Fork Beaver Creek and placing logs. Stimson will be removing another culvert further upstream

April and Rich met with the Confederated Tribes of Grande Ronde, who are doing a lot of work with lamprey.

Committee Updates:

Capacity/Steering Committee – The Capacity/Steering Committee is continuing to work towards hiring an Interim Executive Director. They have been working on revising the position description and determining the best timing for bringing that person on board.

Member Announcements:

Bob Baumgartner – The changes to the CWS Design and Construction Standards will be going into effect April 22. Next year’s changes are likely to be more complex.

Dave Waffle and Tom Pessmier are switching the Primary and Alternate positions for representing Cities.

Stephen Cruise let the members know that Washington County has recently posted 9 bridges for weight limits.

The meeting adjourned at 8:55 p.m.

Respectfully submitted,

Stephen Cruise
Co-Secretary

June 7, 2017 TRWC refreshments: Dave Waffle

Roving Steering Committee member for May 10 meeting: Carla Staedter