

Tualatin River Watershed Council

Executive Director Report to Council Members - Project and Activity Update: September 2019

BUILDING ORGANIZATIONAL CAPACITY

Strategic Plan - Goals 4 & 5

1. Job description for Project Manager position posted on September 6.
 - a. Position closes on October 1.
 - b. 12 resumes received (to date).
 - c. Intend to have position filled in November.
2. Board training at September Board Meeting
3. Designed Board Fundraising training for October meeting with consultant.
4. Successfully executed third automated QuickBooks monthly payroll.
5. Conducted research on a cost effective health care plans for the Watershed Councils.

RESTORATION PROGRAM

Strategic Plan - Goal 2

East Fork Dairy Creek Project

1. Completed permitting with assistance of David Evans and Associates.
2. Contracted with Brian Kelly Films to complete a video on the EF Dairy Creek project.
3. Partnered with Robin's Reach to conduct pre-project effectiveness monitoring for benthic macro-invertebrates and pebble counts at project site. Project monitoring was aborted due to turbidity and high flow conditions on sampling day.
4. Completed East Fork Dairy Creek project within in-water work window. See photos below.



Figure 1. Large wood in excavated alcove.



Figure 2. Large wood in main stem of Dairy Creek.

PARTNERSHIPS

Strategic Plan Goals - 3 & 4

TRWC & TSWCD Partner to Initiate Basin Wide NetMap Analysis

The TRWC and TSWCD have partnered to contract with Terrain Works to develop a virtual watershed for the entire Tualatin River Watershed. A [virtual watershed](#) is a geospatial simulation of riverine landscapes used to enumerate numerous aspects of watershed processes and landforms including human interactions over a range of scales. In the Tualatin virtual watershed, the synthetic river network will be developed with a Lidar DEM. Five analytical capabilities are created to support watershed management and restoration: i) routing of information up and down networks, ii) connecting river networks to all terrestrial and built environments, iii) discretizing landscapes and land uses into facets of appropriate scales to identify interactions iv) characterizing landforms, and v) attributing river segments with stream and watershed information.

Ten specific analyses to be included in the NetMap analysis.

1. In-stream wood recruitment
2. Gravel recruitment
3. Thermal energy sensitivity
4. Thermal refugia
5. Intrinsic potential – Coho and steelhead
6. Beaver habitat
7. Floodplain mapping – Transportation impingement, oxbows, side channels
8. Landslide/Channel interactions
9. Road network and sediment delivery
10. Climate change – Hillslope erosion, road sensitivity

We will be working with partners to secure the necessary data and conduct field validation of the modeled results. We anticipate early products to be delivered on early 2020.

TRWC and JWC Partner to Protect Drinking Water Supply

The TRWC and the JWC have jointly developed a project titled “Inventorying, Assessing and Developing Best Management Practices to Reduce Threats to Drinking Water from Surface Water Impoundments.” The project recently received \$80,000 from the TSWCD TREE grant program to fund the project. This project will identify and characterize surface water impoundments in the Joint Water Commission’s source water protection area and



identify methods to mitigate occurrences and effects of harmful algal blooms (HABs) caused by these impoundments.

Together the partners will define and identify surface water impoundments within the source water protection area, map areas susceptible to HABs, make a resource document for relevant best management practices and future potential risks related to surface water impoundments, develop outreach and partnership strategies to achieve shared water protection goals within the Tualatin River watershed, make recommendations and guidance for activities needed to reduce HAB risks,

and identify pilot projects to implement in the basin.

In the short term, this project will bring together natural resource stakeholders within the basin to discuss water quality issues from surface water impoundments and bring awareness of HAB risks to potential project partners. In the long term, we will have the tools necessary to reduce occurrences and impacts of HABs caused by surface water impoundments within the Tualatin River watershed.

PARTNER MEETINGS
Strategic Plan - Goal 1

1. Meeting: Cedar Mill North Johnson Creek. Program coordination (09/04/2019)
2. Meeting: TREE Grant Coordination. Joint Water Commission (09/05/2019)
3. Meeting: Kellyn Baez and Rich Hunter, CWS. Program Coordination (09/09/2019)
4. Tour: West Washington County Recreation Roadmap. Hosted by CWS and Washington County Tourism Association (09/10/2019)
5. Workshop: Data analytics for watershed management. Hosted by CWS (09/12/2019)
6. Meeting: Willamette Partnership. Coordination of Cedar Mill – North Johnson Creek efforts (09/23/21019)
7. Meeting: Flow Committee. Joint Water Commission (09/25/2019)
8. Meeting: Cedar Mill North Johnson Creek. Program coordination (10/01/2019)
9. In collaboration with CWS, developed agenda for a Dairy McKay Creek Workshop schedule for October 1.

ADMINISTRATION AND GOVERNANCE
Strategic Plan - Goals 4 & 5

1. Submitted OWEB Capacity Grant Final Report
2. TSWCD TREE grant modification request
3. Letter of Support to Lake Oswego Watershed Council regarding Oak restoration efforts.
4. Lake Oswego Carter Creek project administration
5. Submitted EF Dairy Creek progress report to OWEB
6. 990 Filing
7. Bureau of Reclamation amendment
8. September Council meeting (09/04/2019)
9. Invoice payments
10. Banks deposits and expenses
11. Preparation of October Council meeting packet