



100 Valleys

A Quarterly Publication for the Supporters of Umpqua Watersheds, Inc

An Oregon 501(c)(3) Non-Profit

Spring 2021 | Issue 88

RESTORATION REPORT

Ken Carloni, Restoration Chair



In my Restoration Report in our Virtual Banquet video, I outlined a number of ongoing restoration projects Umpqua Watersheds is working on with coalitions of like-minded organizations. Here, I'd like to fill in some of the details on two important initiatives involving salmon and steelhead runs on the North Umpqua River:

Winchester Dam

UW has joined WaterWatch, the Steamboaters, the Native Fish Society, the Crag Law Center, and Oregon Wild to demand that the ~130-year-old Winchester Dam and fish ladder on the North Umpqua River either be upgraded or removed. The Winchester Water Control District (WWCD), the group of private landowners who own the dam and fish ladder, have let the structure deteriorate to dangerous levels – both for fish migrating upstream and for human life downstream. The dam is constructed of wooden timbers and filled with cobble attached to a concrete abutment on the south shore



where the City of Roseburg take water to supply 37,000 residents. Water rushing through leaks in the upper part of the dam and flowing through unconsolidated sediments underneath it provides

“false attractions” to migrating salmon and steelhead causing them to miss the poorly designed fish ladder. Not only is there no real passage through for exhausted fish, but those recesses contain old rebar and other sharp surfaces that injure and kill them. The relatively ineffective repairs that have been attempted have been done with no permits as required by state authorities. Several of these efforts have polluted the water, killing fish and endangering Roseburg’s drinking water.

Umpqua Watersheds and our partners are demanding that the WWCD allow us to send engineers in to determine the severity of the barrier to fish passage, and especially the danger to downstream residents. Bringing the dam and ladder up to current safety standards for both fish and humans is likely to be far more expensive than removing the structure entirely and restoring free-flowing waters through this reach. We have pledged to raise the money to remove the dam at no cost to the WWCD, but they have rejected this offer. Our request to either fix or remove the dam is working its way through the courts, and early rulings have largely gone in our favor, and we are confident that we will ultimately prevail.

Rock Creek Hatchery

This hatchery was built in 1925 and burned to the ground in the Archie Creek wildfire. A coalition consisting of the Steamboaters, the Native Fish Society, the Conservation Angler, Trout Unlimited, and UW have joined forces to address the Oregon Dept. of Fish & Wildlife’s hatchery program on the North Umpqua River. Experts with the ODF&W have struggled diligently for the last several decades to keep this antiquated facility productive and disease free in the face of increasing temperatures and declining water quality in Rock Creek. This watershed was hit particularly hard by the fire, and it is unlikely that the water quality of the creek will

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Our Mission:

Umpqua Watersheds is dedicated to the protection and restoration of the ecosystems of the Umpqua watershed and beyond through education, training, advocacy and ecologically sound stewardship.

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PRESIDENT'S REPORT

Greetings once again, fellow conservationists! As I noted in our Virtual Banquet, this is the last newsletter in which I will be greeting you as president. New officers will be elected at our June board meeting, and we will announce new officers shortly thereafter.

We have been very active in the last quarter, as you've seen in the presentations during our Virtual Banquet (umpquawatersheds.org/banquet-2021-presentations). Congratulations, again, and much thanks to our annual award winners. Wife and Husband team, **Connie Page and Rick Kreofsky**, are our volunteers of the year. Given for their work on the wilderness committee, organizing hikes, and participating in river cleanups. **Susan Applegate** is our Conservationist of the year for her work on the Applegate Wildlife Area. Her efforts to provide habitat for native species is worthy of this award. The lifetime Volunteer is awarded to **Stuart Lieboitz** who has dedicated his life to climate change awareness. His passion and work with the Douglas County Global Warming Coalition is notable. **Stan Petrowski** is our lifetime conservationist. Stan has been involved in many project, won many awards, and continues to be active with Umpqua Watersheds with his weekly radio show going on 3 years now! In case you missed the presentation, it is still available.

umpquawatersheds.org/individuals-banquet-2021-presentations Thank you all! During my report, I asked you to think about joining the board. Our current board consists of me (President/Conservation), Janice Reid (VP/Newsletter), Mark Eason (Treasurer/Facilities), Diana Pace (Secretary), Eric Stauder (Education), and Tony Cannon (Wilderness). Kasey Hovik is our Executive Director and outreach chair. He also coordinates our staff including the Conservation/Legal Director Angela Jensen, Office Manager Melanie MacKinnon and our AmeriCorps Member, Ryan Kincaid.

As you can see, we have an extraordinarily competent, and congenial crew! But we would like to have a few more board members to spread the load and avoid burn-out. So please consider applying. No special skills or background are required – just a willingness to attend a monthly Zoom meeting and to serve on a committee (Conservation/Restoration, Education, Outreach, Wilderness, Facilities, Grants). Please contact uw@umpquawatersheds.org for a board application packet.

If you are not ready to join the board, consider volunteering for on of our committees – that's a great way to "get your feet wet" and become more involved in the important and rewarding work we do at UW.

So one way or another, please join our merry band – your watershed needs you!



SPOTLIGHT ON OUR DONORS

Alysia Gaye's love of nature started early in life. In the early nineties, she made a trip to the Northwest to check out the forest, waterfalls, wild places, and rivers. Captivated by the beauty of nature, she moved to Oregon in 1994. Upon arriving, she stopped at the North Umpqua River, and fell in love. After many years of exploring, and living in various parts of Oregon, it wasn't until 2012 that she moved to the Umpqua Valley making it her permanent residence and place of business. In 2015 she moved her international business to Glide Oregon, where she specializes in flavors, aromatherapy supplies, and natural remedies. Not too long after moving to Glide, she opened an apothecary shop, that specializes in rocks and minerals from around the world. This was a realized dream of living and working by the river, and natural beautiful places.

She is passionate about her connection to the river and wilderness and feels rejuvenated by the nature that surrounds her. Her involvement with Umpqua Watersheds began soon after she moved to the Umpqua Valley as she connected to other passionate people that shared her desire to protect the special places in the area. She feels blessed and fortunate to be able to contribute to Umpqua Watersheds to make a difference. She stays busy managing her business and enjoying her hobbies such as gem and mineral collection, playing music, and gardening. We thank Alysia for her contributions over the years that have allowed Umpqua Watersheds to continue the mission of the organization.





recover to its already compromised water quality for decades. Considering the spotty track record of fish production, poor water quality, and the danger of repeated fires burning through newly established, highly flammable plantations, our coalition believes that rebuilding the hatchery would not be a wise use of state funds.

More fundamental to our argument over not rebuilding the facility is the science that indicates that hatcheries are merely a band-aid on a much bigger problem. In the early part of the last century, hatcheries were built to address the serious decline in our once-spectacular anadromous fish runs, due largely to habitat degradation in upland spawning streams and estuaries at the mouths of rivers. Rather than restoring that habitat, fish were simply raised in artificial concrete tanks and released directly into streams or trucked to other locations. While this quintessentially 20th-century techno-fix seemed like a good idea, and DID produce modest increases in fish numbers, studies have shown that hatchery fish decrease the survival of wild fish. Hatchery fish can dominate spawning grounds, and hundreds of their genes are expressed differently simply due to growing up in hatchery conditions giving them a competitive advantage over wild stocks.

We recently organized a field tour of the Rock Creek watershed and burned-out hatchery for three members of the 7-member Oregon Fish and Wildlife Commission who oversees the operations of the ODF&W, along with other agency officials. We stressed that the sea of young plantations that will soon dominate the Rock Creek watershed will decrease summer low flows and increase the risk of more catastrophic wildfire.

It is clear to us that rebuilding the hatchery will be throwing good money after bad. But if it is rebuilt, our coalition is strongly urging the Commission to eliminate the summer steelhead hatchery program. Wild summers have been declining for decades, and the scientific literature clearly shows that hatchery fish have strong negative impacts on native fish where their spawning habitats overlap. Wild steelhead were traditionally taken as brood stock at the Winchester Dam by the ODF&W, and their offspring were raised with stock from hatchery fish at Rock Creek. We believe that this process has hastened the decline of wild summer steelhead, and that safest place for this iconic run is in the river, not in hatcheries.

Wilderness Committee Update... Robbin Schindele

In late May Wilderness Committee members presented an overview of the Crater Lake Wilderness proposal (CLWP) to an enthusiastic group from the Many Rivers Chapter of the Oregon Sierra Club and Oregon state officials. The event was recorded and sent out to their membership to determine if the Sierra Club Oregon is interested in joining UW by promoting the proposal. Having such a prominent conservation organization as an active partner would add significant capacity to our efforts.



The committee is also working to rebrand the proposal. Oregon Wild was a strong partner in our coalition a number of years ago but has stopped supplying promotion materials and a website. They have recently decided to focus on the River Democracy Act. Working with them on that is Bob Hoehne. He is lobbying hard to get the Upper South Umpqua River included as a wild and scenic waterway.

As a result, the website they managed is gone and the branding materials are no longer available. We have decided to develop a brand presence and logo ourselves. Materials such as brochures, stickers, caps, and T-shirts will be developed. We will also be expanding the Wilderness page on the Umpqua Watersheds website with new more complete content. Materials will be available at the Farmers Market and UW office in mid-June. Stop by and pick one up, sign postcards and say "hello."



The big news for this quarter comes from Tony and Susan, working with Erik Fernandez from Oregon Wild, they have added two new areas to the CLWP. The stunning and outstanding 1,200 acre Spring River section as well as the important and threatened 6,000 acre Steelhead Creek section. Kudos to them!

Do We Have Nothing left in Common?

By Araya Jensen

The issue's systemic
And there lies the crime
Responsibility diluted by the passage of time
I am not your enemy, and you or I are not to blame
I heard maintaining difference is integral-
and I'd like it all the same
If we can revise the ethic
Be pragmatic and adapt
Recognize fallacy inherent in our thought
-Of the frontier culture our grandpa's brought.
I'm not preying on your heritage
I'm praying for the lack of its tutelage
-that ecosystems intact provide more than your hand
and intelligent design
really comes from the land

Our children will marry each other
Our actions will influence another
I'd say without declared cooperation
and mitigated conversation
The protest aimed towards liberation
Everybody at your stations
It all could fade away.

We've got enough bodies to mobilize change
Foster genius, education, restoration-
call the problem by its name
The corporations that have claimed all the commons
An alternative framework is all but forgotten
Unethical corporations suppress
The sentiment of the feedback from being expressed
Reform awe at the 1000 faces and 1000 petaled lotus
the immaculate conception
the images that move us
We need to bring the power back
Address the ethics that techno mechanics lack
'Protect the best, restore the rest.'
The growing pains are a sign of success
Ask a mother, advise the priest
A bird in the bush- worth two at the feast
This work we do is never complete
If we stopped working for them-
then we'd cut out the thief.
Move your stigmas and critiques
Without a new worldview- the future is bleak
Rid stereotypes and cliques
Start today, start today
Before it, all fades away



Get Involved! Join a Committee

Until further notice, our committee meetings are being held via Zoom Conferencing. If you are interested in participating in any of the committee meetings, please email Kasey@umpquawatersheds.org for the latest schedule of meetings.

Monthly Board of Directors:

When: 3rd Tuesday of Every Month, 5 pm
For board and staff members only. If there is a topic, you feel the board should broach, let us know!
Email kasey@umpquawatersheds.org

Education Committee

When: 2nd Tuesday of Every Month 5 pm
Eric Stauder - Eric@umpquawatersheds.org

Restoration Committee

When: 1st Tuesday of Every Month 5:30 pm
Ken Carloni - Ken@umpquawatersheds.org

Conservation Committee

When: 1st Tuesday of Every Month 5 pm
Angela Jensen - Angela@umpquawatersheds.org

Wilderness Committee

When: Last Wednesday of Every Month 6 pm
Tony Cannon Tony@umpquawatersheds.org

Outreach Committee

When: Last Thursday of every month 5:30 pm
Kasey Hovik Kasey@umpquawatersheds.org

Volunteers can track hours using the website. Visit umpquawatersheds.org and click on the "Get involved" tab to find the "Track your volunteer hours" selection. Fill in the information and we will take it from there!



KQUA is live streaming and we have a new website! KQUA.org. Get your sticker for \$5 and support our community radio. Email kqua@umpquawatersheds.org for more information.



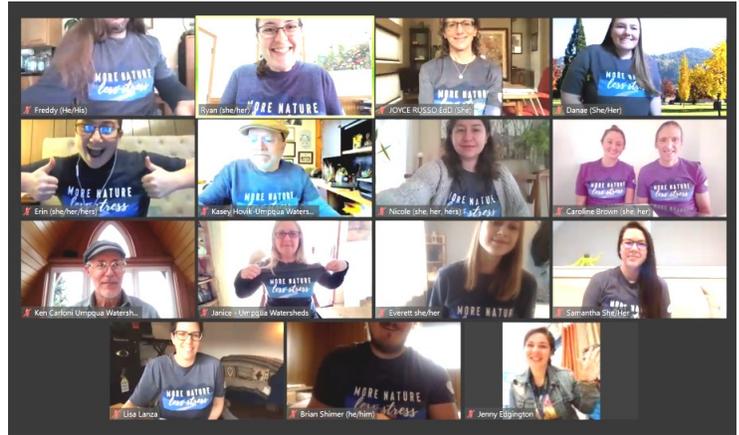
Annual membership renewals are down. Normally, renewals happen around the time for the banquet but due to the pandemic and the need to be socially distanced, the last 2 banquets have been virtual. If you didn't catch the banquet presentations, you can still watch it at: umpquawatersheds.org/banquet-2021-presentations. And please, renew your membership, every little donation helps. Thank you to all that have donated!

AmeriCorps: Education Spotlight..

As Spring Turns to Summer...

The past few months saw several education and outreach activities from Umpqua Watersheds. Our training for local educators - "Learning in the Umpqua Watershed" invited twelve teachers from Douglas County for a full day of workshops designed to help them incorporate more nature, environmental awareness, STEAM, and creative problem solving with their students. Since that event, we have created an Educator Resources page on our website and helped to brainstorm activity ideas with the teachers.

During our River Clean Up in April, over thirty people came together to clean our local waterways. Groups went to ten different sites within the watershed, where they picked up litter and conducted water quality analyses. This served as the kickoff for our River Monitoring program, a citizen science initiative designed to engage youths and families in understanding impacts on water quality data collection. You can get involved with this project by emailing the AmeriCorps member serving as



developed a summer program called Kids for Nature, which will take place Mondays and Tuesdays for three weeks starting July 12th. The program is open to youths ages 9-12, and activities will include hiking, environmental conservation activities, and nature art.

July 23rd-25th, Umpqua Watersheds will host its annual Twin Lakes Wilderness Campout. We are excited to be able to offer this in-person event, especially since we weren't able to last year. Space will be limited, so if you and your child are interested, please sign up as soon as possible. Send an email to ryan@umpquawatersheds.org to register for this memorable event!



our Environmental Education & Outreach Leader (Ryan) at ryan@umpquawatersheds.org.

Our first Eco Innovations Challenge was also a success! Two youths and two adults presented information about environmentally related issues of concern along with proposals of possible solutions. Two of these projects are taking place over the next couple of months; Rachael Brock (adult) is enlisting youths and adults to aid in the conducting of a bee survey June 12th and 13th, with a follow-up survey later this summer. Emily Cannon (youth)

Umpqua Watersheds could use your skills!

Are you unable to contribute to Umpqua Watersheds monetarily? Do you have skills related to construction, electrical, remodeling, plumbing, building maintenance, or property management? You can contribute your skills! Don't have any particular skill but would still like to help? Not to worry. We have many projects that don't require any skills as long as you are willing to learn. Your contributions can be tax-deductible. We could use you! Email: kasey@umpquawatersheds.org or mark@umpquawatersheds.org.



From the Conservation/ Legal DirectorAngela Jensen

Conservation is a broad topic. Yet I often find that I center my newsletter articles on topics related to forestry and climate change. So, for this newsletter I am going to address a different issue entirely- the ubiquitous use of herbicides. More specifically, I want to reach out to our readers with something of a call to action concerning roadside application of herbicides in our communities. I want to start a conversation and I invite your thoughts and collaboration on possible solutions to this issue.

We are all aware of the broad range and uses of herbicides in our daily lives. Forestry managers apply herbicides to suppress the growth of unwanted vegetation in hopes of freeing space and resources for economically valuable

tree species. Landscapers use herbicides to ensure aesthetically pleasing yards and entryways. And public right of ways (ROWs) are kept free from the encroachment of wild vegetation by use of these same herbicides.

But what are the consequences of using these herbicides so freely on ROWs? Are there alternatives?

The most commonly applied herbicides in roadside applications can have various detrimental effects. For example, glyphosates such as Roundup are toxic to birds and fish, can leach through soils and reach water sources, have shown to detrimentally affect reproductive viability, can damage the liver and kidney, and are known carcinogens. Other herbicides like 2,4-D have these same effects but additionally cause birth defects, are toxic to bees and other pollinators, and are known neurotoxins. And while these herbicides are used freely to control roadside vegetation, water sources and wildlife are at risk of contamination.

Isn't it time to revisit this management strategy? What can you do as a community member to reduce the use of these toxic chemicals in our shared environment?

For concerned private landowners, the solution is relatively simple. Oregon is one of a few states that offer "no spray agreements" between the ROW managing entity and landowners. Basically, this agreement requires the landowner to manage roadside vegetation adjacent to their property at their own expense. As part of the agreement, the managing entity promises to refrain from spraying between the property owner's clearly marked signs.

Of course, not everyone is a property owner and much of the roadside property that is managed with herbicide



applications belongs to counties and municipalities. In this case, a strategy to reduce the use of herbicides must be different. One option is to advocate for an Integrated Roadside Vegetation Management (IRVM) plan. An IRVM usually employs mechanical methods of

vegetation management like mowing and burning, and integrates the planting of native vegetation to control invasive and noxious weeds. Furthermore, IRVM plans often restrict the use of herbicides to the least toxic necessary for the job and employ their use only when the risk of contamination to water and wildlife is at its minimum.

But IRVM plans are not universally used and certainly are not the cost-effective option many counties turn to first. And while advocating for the use of IRVM plans has its merits, it

would likely take a fair bit of time to convince the managing entity to develop and implement such a plan.

This brings me to my final thoughts. As a concerned citizen, you have the right to know what is being sprayed on public roadsides and when these applications are set to occur. Along these same lines, the management plans under which the Oregon Department of Transportation (ODOT) operates concerning roadside vegetation management are open for public review. Furthermore, these management plans and the resulting application of herbicides must comply with the Clean Water Act and the Safe Drinking Water Act.

Thus, if you are concerned with the liberal and excessive use of herbicides in your community to manage roadside vegetation, ask ODOT to review the permit authorizing the application to ensure that it is in compliance with applicable statutes and regulations. Additionally, this will ensure that the applicator is in compliance with the permit itself. Finally, don't hesitate to reach out to the Department of Environmental Quality (DEQ). The DEQ is tasked with updating, modifying, and improving ODOT's statewide permits and management plans. Ask for the opportunity to contribute in the decision-making process.

Use your voice. It is powerful. Together, we will find solutions.



Outreach Update...Kasey Hovik

Over the last 14 months Umpqua Watersheds has shown remarkable resiliency in the face of the pandemic and the restriction on gatherings for events. Our first major virtual event last year was the 2020 Virtual Membership Banquet, and Spring/Summer Fundraising Campaign. It was a big success as we were able to raise over \$20,000 to support operations and continue our work. We tried to replicate the event in the 2021 Virtual Membership Banquet and I couldn't be prouder of the presentation and the very interesting keynote given by BLM Fisheries Biologist, Jeff McEnroe, on the Archie Creek Fire restoration activities in Rock Creek. <https://umpquawatersheds.org/banquet-2021-presentations/>

Unfortunately, this year's Spring/Summer Fundraising Campaign has gotten off to a slow start with only \$1,210 raised so far. This is extremely disheartening because of the enormous amount of effort and results attained by our dedicated staff and volunteers. As I discussed in my presentation for the 2021 Virtual Banquet, volunteers invested over 3,000 hours into Umpqua Watersheds and our only paid staff is the Office Manager (Melanie MacKinnon), Conservation Director (Angela Jensen), and AmeriCorps member (Robyn Bath Rosenfeld in 2020 and Ryan Kincaid in 2020-21). All did marvelous work to move UW forward in the midst of the pandemic. Our Board of Directors have spent many hundreds of hours in committee and board work. Because of the efforts of our staff and volunteers UW is coming out of the pandemic as a much stronger and resilient organization than ever before.

As with most organizations Umpqua Watersheds is significantly impacted by what is called the Pareto principle, where 80% of our outcomes come from the input of 20% of people. This



phenomenon is also known as the 80/20 rule and the "law of the vital few." I have worked almost exclusively with nonprofits for the past 20 years and have found this to be the case in organizations for which I worked and/or volunteered. What concerns me is that in UW's case the ratio is closer to 90/10. Put bluntly, 90% of our general donations comes from 10% of our donors and 90% of our volunteer time comes from only 10% of our volunteers. This is not sustainable. The good news is that we are working diligently to address this problem and have a plan to get us there.

We are working to build capacity and add diversity to our organization by making resources available to other small nonprofits and community organizations such as meeting space, technology and access to our radio station. We will be looking to find our "greatest common denominator" such as education,

conservation, restoration, AmeriCorps service or community events and see how we can collaborate to make positive things happen in our community and for the beautiful natural world that surrounds it.

We are also very busy writing grants to support programs and for our capital plan to improve our building by enlarging our conference room, building a state-of-the-art radio studio and working to make our building more accessible for people with mobility problems.

In June and July, we will start having group events again. On June 19, from 9-11 we will host a virtual volunteer training session. We will have presentations of various volunteer

opportunities and training for several areas. On July 16-18 we will host Camp AmeriCorps for all United Communities AmeriCorps serving in our area as well as those who have served in the past. It will be at Steamboat Ballfield Campground. On Saturday, July 17 at the same location, we will host River Appreciation Day and will be inviting all of the organizations hosting AmeriCorps to table to inform people about their organizations. There will be live music and plenty of space to celebrate safely.

The following weekend many of us will be at the Twin Lakes Youth Wilderness Campout. It is always a very special time as we engage youth to embrace the concept that "there is no Planet B" by having knowledgeable people speak about topics including botany, geology, wildlife biology astronomy and more. Please email Ryan at ryan@umpquawatersheds.org for more details.

As you can see there is a lot going on at Umpqua Watersheds but we desperately need your financial support to continue the progress we have made. Please renew your membership and consider giving monthly to support our great work. You can donate now by going to <https://umpquawatersheds.org/donate/>

Thank you for your support and we look forward to seeing you in person in the weeks to come.

Collaboratives & Partnerships

- PNW Forest Climate Alliance
- Partnership for Umpqua Rivers (Watershed Council)
- Forest Waters Coalition
- Douglas County Global Warming Coalition
- Phoenix Charter School
- Umpqua Community College
- UC Veg
- Blue Zones
- SOLVE
- Oregon Wild
- Cascadia Wildlands
- Southern Oregon Climate Action Now (SOCAN)

Upcoming Events

In person events are subject to change. Check www.umpquawatersheds.org/events for additional more details. Please send updates to webmaster@umpquawatersheds.org



June 19—Volunteer training session (virtual)

July 12- Kids for Nature kicks off a 3 week course

July 16 -18– Camp AmeriCorps, Steamboat Ballfield

July 17- River Appreciation Day, 1pm, Steamboat Ballfield

July 24 -Twin Lakes Youth Wilderness Campout



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