



100 Valleys

A Quarterly Publication for the Supporters of Umpqua Watersheds, Inc

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

Summer 2019 | Issue 80



Presidents Report.. Stan Petrowski

"I Heard It Through The Grape Vine"

This year I will have served on the Umpqua Watersheds Board of Directors for ten years. Of those ten years I have spent eight on the Executive Committee. Three as VP and five as President. Recently I announced to the Board that I would like to step down as President. Wow! That set off a fire storm I hadn't expected. I received calls and emails asking why I was resigning from UW. That shocked me because the idea had not crossed my mind. I am deeply committed to the UW vision and mission. I will still be involved on the Board and Chair the Restoration Committee. I have important work to do with our KQUA radio station and my Radioactive Restoration Show.

I don't feel that term limits as an organizational officer is always the best case scenario. Nevertheless I have also seen bad things happen when an individual tries to hold on to an office just for the sake of having it. It has been an honor to serve UW in the capacity that I have. It my sincere hope to continue to invest my time and energy in the work that needs to be done. Please rest assured that very little will change with regard to the projects I am involved in. I still have some steam left in the boiler.

During our June Board meeting we will hold our annual Officer elections. I have faith in the ability of the Board to replace me and keep the organization vibrant. I am very proud of the legacy I am leaving behind as President. UW is much stronger now than it was ten years ago. I will continue support our growth and effectiveness as time goes on.

So just for clarification. I will continue on the Board and hand off the Chair to our next President this June. Thank you for all of the support over the last five years.

Upcoming Events

Preschool classes at the Museum Saturdays 6/8-29

River Cleanup June 29

River Appreciation Day July 20

Twin Lakes Youth Campout July 26th-28th

Joint hike with Oregon Wild to Twin Lakes on August 17

Watch for details in upcoming Watersheds Moments



Conservation Committee...

J. Patrick Quinn

Recently, the well-known non-profit journal, The Guardian, gave its staff revised instructions concerning how they should report about climate and how it is changing and impacting our

world, right now. For Guardian writers, the word "change" is out. When discussing the current situation the word "crisis" is in. For articles examining what is yet to come, they suggest using a phrase such as "impending climate catastrophe."

As UW's volunteer Conservation Chair, I concur and henceforth, will use these and similar words in UW's National Environmental Policy Act (NEPA) comments to the Bureau of Land Management (BLM). I do not consider this to be an excessively alarmist step to take. It is well past the time when all who have any opportunity to influence government policy and practice regarding carbon sequestration/release, ring the alarm bell loudly, clearly and forcefully. I intend doing so at every opportunity!

As discussed in my comments before, and as is well known among climate researchers, the temperate forests of the Pacific Northwest represent the premier sylvan carbon sinks on the globe. Sir Richard Branson advertised a prize to be awarded to anyone who could invent and produce a truly effective device to absorb and store atmospheric carbon, long term (www.virginearth.com). Looking to make a point, if not to win the prize, well known environmental activist, Andy Kerr, is said to have submitted a picture of an old growth fir tree. While some might see this act as being little more than facetious, we see it as a critical statement of fact, although not without a touch of tongue in cheek humor. In fact, to help we humans make an effective end run around what is predicted to be truly catastrophic in every sphere of life on this Earth, forest land managers in our part of the world ought to be conserving each and every old growth

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.

and mature tree out there, and, at the same time, encouraging the regrowth of many, many more.

The reality on the ground, as we members of Umpqua Watersheds know only too well, is a long way from such a proactive acknowledgment and subsequent policy and implementation. Often driven by remote market forces, private industrial timberland ownerships impose ever more clear-cuts along with all of their related industrial activities, onto our beleaguered watersheds. Rather than seeking to sequester atmospheric carbon long term, these large Real Estate Investment Trusts (REIT) and Timber Investment Management Organizations (TIMO) often slick off large swaths of our landscapes these days in as few as forty years, sometimes less. Driven by return on investment rather than watershed health, little to no effective attention is paid to most environmental necessities, let alone to factors worsening the current climate crisis.

Sadly, the BLM, under chronic pressure to realize its Allowable Sale Quantity (ASQ), often sites its own versions of the clear-cut, known as "regeneration harvests," smack dab in the middle of the existing sea of industrial clear cuts and young monoculture fiber farm plantations. We submit comments to BLM well before any timber sales are offered on a given analysis area. In the event, when those legitimate comments appear to be ignored or brushed aside, we file protests. Representing the UW, we are never loathe to remind that agency of the management paradigm that is the actual context for the creation of the relatively large public land canopy openings the BLM proposes to add to what is already present. By simple logic, whatever environmental impacts flow from such public forestland timber extraction must be cumulative to the suite of harmful impacts already emanating from private industrial clear-cuts conducted under aegis of the Oregon Forest Practices Act (OFPA). We maintain that any additional impacts must be measured from this already degraded baseline.

Stubbornly, the BLM will not do so, repeatedly referring to their best management practices, they would have NEPA participants believe that they are the only management authority on our watersheds. Problem: too often the public forestlands sited on the infamous and most unfortunate "checkerboard" of alternating ownerships represent the minority ownership on a given watershed. As we know, even considering the reduced

riparian and other safeguards of BLM's latest Resource Management Plan (RMP), these best practices remain head and shoulders above the retrograde practices permitted by the out dated and often ineffective rules of the OFPA. By not taking the "hard look" demanded by NEPA, the portal through which UW offers its studied input to Federal agencies, including the Forest Service and the BLM; by turning a blind eye to the environmental barbarity occurring all around the public lands they manage in sacred trust for us, we maintain that they are derelict regarding fulfillment of that very trust.

I wish that I could report in these pages how we have won each of our protests and influenced the agency to modify its extractive actions in light of the climate crisis and all of the other detrimental influences present on the landscapes we call home. I cannot. I can only state here that we are speaking up as forcefully and effectively as we know how. In the end, we are bearing formal, on-the-record witness to what we see as a mistaken management direction. We do wish to "up our game." With that desire in mind, one of UW's key priorities remains the acquisition of funding needed to hire a well-educated, passionate and professional individual to be its conservation director. As volunteers, we have done a lot over the past eight or ten years, trying to identify critical issues, bring them to the fore-front and insist on improvement. However, we are convinced that this demanding work calls for a professional, highly qualified and dedicated hand.

With that necessity in mind, it is my pleasure to report that, with expert guidance from UW's Office Manager/Grant Writer, Ms. Melanie McKinnon, UW's Conservation Committee has very recently been the grateful recipient of a \$12,000 grant from The Burning Foundation. Optimally, we see this award as seed money to be used in acquiring the remainder of the funding needed to fulfill this hiring goal. It is a wonderful and long desired beginning. To be more than just a beginning, we need fresh ideas, generous contributions and encouragement of all kinds. At stake is the conservation of our remaining wild places. We are striving mightily to hold the very "thin green line" that we have talked about, in these pages, through the years, so that those landscapes that have been unfortunately degraded by management practices whose principal goal is short term cash at the expense of long term natural function, may one day be rehabilitated to the state nature intended.

Board of Directors

Stan Petrowski-President/Restoration Chair
J. Patrick Quinn-Vice Pres./Conservation Chair
Ken Carloni-Education Chair
John Hunter-DCPARC Chair/Facility Management
Diana Pace-Secretary/Volunteer coordinator/Wilderness Co-chair

Office hours are 1-5 M-W, 9-1 Th-F.

Barbara Lynch-Outreach Chair
Kat Stone-Treasurer
Eric Stauder-Board member

Staff

Kasey Hovik-Executive Director
Melanie MacKinnon-Office Manager
Christine Smith, Maris Wilson-AmeriCorps
Robbin Schindele- CLWC Coordinator
Diana Larson-Bookkeeper
Patrick Schneider- KQUA Program Director

Kasey's Corner ... Executive Director

Over the last eight years Umpqua Watersheds has had a very successful AmeriCorps program. We have been very fortunate to have Mike Rooney, Roland Wang (2 years), Katrina Keleher (2 years), Bailey Stein, Christine Smith (2 years) and Maris Wilson.



Our AmeriCorps members have made a significant contribution to our community by teaching environmental education in local schools, acquiring grants which enabled UW to give every 5th grader in Douglas County the opportunity to visit Crater Lake National Park (thanks to the Gray Family Foundation). Our AmeriCorps members have also organized UW's Twin Lakes Youth Wilderness Campout scheduled for the last weekend of July. Thanks to our AmeriCorps, many people in our community have participated in river cleanup projects in conjunction with Martin Luther King Day of Service.

In order to improve fiscal processes at UW, the Education Committee and the Board of Directors of Umpqua Watersheds has set a goal to raise the funds to pay for our 2019-20 AmeriCorps member by September 1, 2019. In the past, funding for AmeriCorps has been raised throughout the year through events such as the Umpqua Brew Fest, the Annual Banquet, concerts and other activities.

Securing funding for our AmeriCorps upfront will significantly improve our ability to budget for operational expenses. We have already raised over \$4,400 toward the \$8,100 goal thanks to donations and event fundraising.

Our first fundraiser for our AmeriCorps program "Concert for AmeriCorps" on May 24th with Lance Canales and the Flood and Neil Johnson. Over 130 people come out to enjoy some amazing musicians and we raised over \$1,100 after expenses and had some much-needed quality time with special people.

Many thanks to our partner Old Soul Pizza and event sponsors; Bandon Rain, Draper Brewing, Lookingglass Brewery, Motel 6 of Roseburg, Old 99 Brewing,



Monthly Board of Directors:

When: 3rd Monday of Every Month, 6:00pm

Where: Umpqua Watersheds Office

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, 6pm

Where: Umpqua Watersheds Office

Ken Carloni - ken.carloni@gmail.com

Restoration Committee

When: 3rd Tuesday of Every Month, 5:30pm

Where: McMenamin's Roseburg Station Pub

Stan Petrowski - Stanley@umpquawatersheds.org

Conservation Committee

When: 1st Monday of Every Month, 6:00pm

Where: Umpqua Watersheds Office

J. Patrick Quinn - jquinn@mydfn.net

Facility Management

When: 1st Tuesday of Every Month, 6:00pm

Where: Umpqua Watersheds Office

John Hunter - goldenarchie46@yahoo.com

Wilderness Committee

When: Last Wednesday of Every Month, 6:00pm

Where: Umpqua Watersheds Office

Bob Hoehne - oho937@hotmail.com

Douglas County Parks Resource Advisory Committee (DCPARC):

When: 3rd Wednesday, 6:00pm

Where: Umpqua Watersheds Office

John Hunter, goldenarchie46@yahoo.com

Outreach Committee

When: Last Thursday of every month, 5:30pm

Where: Umpqua Watersheds Office

Barbara Lynch at bjflynn@hotmail.com

Partytime Rentals, Pelican Brewing and Wrappin' and Rollin' Food Truck.

To all the volunteers that helped with the event especially; Andy Johnson, Diana Pace, Ken Carloni, Janice Reid, Kasey Hovik and M.A. Hansen. We look forward to our next "Outback" concert. Stay tuned!

Please consider making a special donation to support our goal of raising the final \$3,660 of the \$8,100 we need to raise. We will be having other events and will update the fundraising thermometer for the project on our website on a regular basis. Please see umpquawatersheds.org/what-we-do/education/ for regular updates.



Restoration Committee.....Stan Petrowski

Day after day we hear reports of ecosystem failures and species loss. Anyone that spends time in nature is fully aware that our ecosystems are changing and degrading at a rapid pace. Meanwhile many millions of dollars, from the various State and Federal tax sources, and restoration/conservation institutions is being spent in a desperate effort to stop the loss of biological diversity. Certainly there are success stories and exciting responses to some of these efforts but what is the scope and scale of this effort and what are the actual results?

Let's begin with one example for review to set the context with which to understand what is going on. The Bonneville 2018 Columbia River Basin Fish and Wildlife Program Costs Report tells us that very near one half of a billion dollars was spent in 2018 to address the adverse impact of the Columbia river dam system on the natural world by BPA. Those dollars are derived directly and indirectly from the public in the form of grants from government agencies (tax dollars), power user expenses (electric bills) and loans. Given so much of an investment by the public in restoration efforts, what level of success can we see? The Columbia River once supported a Chinook fish run averaging eleven million fish. This figure is based on salmon canary records from the early nineteenth century. Since the beginning of its effort in 2007 to address just the Chinook run collapse as well as other fish and wildlife species losses BPA has spent close to 8.2 billion dollars. In their most successful year to date 250 thousand Chinook have returned!

Why am I bringing this up?

We all know that when the Northern Spotted Owl was noted to be on the verge of extinction that it was seen as a symptom of environmental mismanagement. As a result, the Northwest Forest Plan (NWFP) was put into place to stem the tide of species extinction, not just spotted owls, but other species dependent on the same ecosystem. Now, over 20 years have gone by and the owl is still in decline. Habitat degradation is still taking place. We, as concerned citizens, have been relying on the agencies and relevant departments within them to deal with the problem. We collectively pay dearly for it in tax dollars. Why is a restorative effort failing? We may have slowed down the pace of destruction in some sectors but the system as it presently operates isn't working.

There are two main reasons for this. One on the list is our own lack of the sense of ownership of the problem. It doesn't matter what sector in life we operate in. We should not abdicate our awareness of responsibility and ownership of the current situation entirely to others. Agencies alone are not the answer. Even though agencies are staffed with experts. Even though they are professionally trained to do what needs to be done. It is an enormous error to rely strictly on them alone to do the work. Yes, they are mandated to stem the tide of species diversity loss that we are experiencing. That does not take away the onus of active engagement with which we, as individuals must be involved. We must be self-educated. And we must act as people of place and as agency partners. We must each individually intervene in the current species decline. It is important for us to become aware of what is going on ecologically where we live and work and to do something about it. Both individually and collectively in the communities in which we dwell.

The second tangential reason is the politic of economies. Don't be deceived. We are in the fix that we are in because of greed and

ignorance. Our concept of the resilience of nature has been molded by our ignorance and willful misuse of nature and how it functions.

I've heard many people tell me that God has given us dominion over the earth. I would agree, in as much as it is understood that we are an apex predator species with the capacity to thrust the entire planet into oblivion. That can happen quickly by one button pressed at the wrong time or slowly by the gradual consumption and maltreatment and waste of natural resources. We can devour the world under the guise of dominion. Funny how that command is the one my Christian brothers and sisters really excel. My push back is that if you accept the idea that you were given dominion over the earth then realize that such a mandate was given to humans when they were in an entirely different state of being, not in the current condition of dysfunction and wanton disregard of the laws of nature. The mandate in the hands of a creature driven by greed and uncontrolled self-interest manifests itself as the disaster we see in our world today.

Nestled in between these reasons is the reality that the agencies mandated to address natural world decline, tremble at the political pressure placed upon them. Money and power are clearly controlling the level and type of response we as a society are applying to our emergency. The billions of dollars invested in the USA targeted for restoration ecology are eclipsed by the dollars seeking to use up the earth and dissuade us from doing what needs to be done. I have had many discussions with capable leaders, academics and scientists who are yielding to political pressure. Indeed, I have been told by individuals, who I would otherwise deeply respect, that science is on par with politics for making decisions. That manifests itself as a mandate to stick strictly to the letter of the law rather than an unrelenting passion to actually fix the problem of species decline.

You are responsible for shoring up the weakness in our system. Rebuff the groundless conspiracy theories saying that the conservation community is sounding a false alarm and that all is well. Do not listen to the rationale that limitations on the destructive forces unleashed by manipulated markets is merely a ploy to limit your right to be free to do as you please with what you have. Our rural communities are rife with this stuff. Sure, even the clear decline of the natural world can be co-opted for political and monetary gain. I see it all the time. That's no excuse to cast aspersions on our movement to protect and restore. If political power is what agency personnel consider equal to the laws of nature then this is a singularly wicked problem. One of our major tasks then is to exert political power in the opposite direction. Here. Now. In our communities. The positive answer is to discover solutions and make them happen....together.

Wilderness Committee Update... Robbin Schindele

The Wilderness Committee has been busy as usual. In April, we sponsored a benefit concert for Umpqua Watersheds' radio station, KQUA 99.7, *The River*. Kim Angelis, a world-renowned musician headlined the concert. Known for her elegant skills as a composer and flamboyant and energetic performance of gypsy influenced music, she had the audience enthralled. She was accompanied by Jennifer Gooddenberger, a pianist and composer in her own



right. Each played original compositions solo and paired for some incredible duets.

In May, we started planning our summer hiking schedule. March's "Snowmagedden" storm had a catastrophic effect on the trails in our proposed wilderness areas affecting plans. The Forest Service (FS) has been working to try and ameliorate the damage but there is much to do and limited resources. FS officials plan to clean up the campgrounds first, then the backcountry roads and then the trails. We have done some scouting and believe we'll be able to get out starting in June. The only hike on the schedule is a joint hike with Oregon Wild to Twin Lakes on August 17. If you like hiking in the pristine high country please join us this summer. Please watch the Umpqua Watersheds (www.umpquawatersheds.org) website for announcements of when and where on the event calendar.

Also in May, we started a new grassroots effort. We have had a booth at the Umpqua Valley Farmers Market in May and June. We spread the word about the Crater Lake Wilderness Campaign and Umpqua Watersheds activities to visitors to the market, and we have created a series of picture postcards featuring images of Crater Lake and addressed to four federal legislators; Ron Wyden, Jeff Merkley, Peter DeFazio and Earl Blumenauer. All of whom are known for their efforts to protect some of Oregon's most beautiful and pristine environments. When visitors stop by, we ask them to sign a card and we pay the postage. A shout out to Susan Applegate and Alysia Gaye who have donated money for the postage and special card stock we use to make the cards. The campaign has been more successful than we anticipated. So far we have mailed about 120 postcards and on May 25 a group of Wilderness Committee members (Robbin Schindele, M A Hanson, Rick Kreofsky and Connie Page) were able to present Senator Wyden 60 postcards personally.

Look for us at the market and sign a card, or better yet send them on your own. We were told by a member of the Oregon Wild staff, "60 cards from Roseburg supporting conservation is equivalent to 500 cards from Portland." So stop by and let your support be known.



Facilities Management Committee... John Hunter

This spring has produced progress on the needed repairs to our UW office. Thanks to our super volunteer, Phil Schad, another rear office wall was repaired and repainted, creating more storage space which gave us the opportunity to move the cabinets in the radio room into this section of the office. Our radio room now a larger, more usable space and our office supplies are all in one area. Phil has begun replacing our overhead florescence light bulbs with more energy efficient LED bulbs. The results are better lighting and instant energy savings.

Our monthly work sessions have focused on sorting and reorganizing years of acquired items with the goal of establishing more efficient storage areas as well as more usable office space. We have achieved results but more work is needed to accomplish our goal.

In June Addcox Heating will begin the replacement of the heating, ventilation and air conditioning (HVAC) ductwork. Although this will create more work for the FM committee in patching and painting our ceilings, we look forward to the end result, a more comfortable and energy efficient office space.

Throughout the summer we will continue to address various building maintenance projects as our budget allows. Please considering joining us on the second Saturday of each month, 10 am to 1 pm, for our work sessions. There is always work to be done and we have a great group!

DCPARCJohn Hunter

Douglas County Parks Advisory Resource Committee completed it's first of four riverside trail clean ups for the City of Roseburg. In April Thanks to everyone that helped.

We had a booth at the Earth Day Energy Fair on April 20. Thanks to everyone who brought raffle tickets to help with our fundraising efforts.

We held a May Day Rally for Transparency in front of the County Courthouse. A small but vocal group used the opportunity to express our demand for transparency of policy, procedure and actions related to our county parks.

We continue to follow the progress of the 25 County parks where logging plans were submitted as a result of damages from February's snow storm. Of special concern is Iverson Park. The County's slow response to address the situation there has resulted in illegal firewood cutting, damage to the meadow and slash piles being set on fire and left unattended.

The proposed sale of five County park properties along the North Umpqua River is of significant interest to DCPARC and we are closely monitoring the situation. Western Rivers Conservancy is the broker on this deal for BLM. Hopefully, these properties will benefit from BLM ownership.

We are delighted that DCPARC member and UW treasurer, Kat Stone, was reelected to a 4-year term to the Douglas County Special Transportation District. We believe she will help create a better public transportation system for all of Douglas County.

DCPARC is committed to monitoring and actively engaging our county government to improve transparency and accountability of our elected officials as it relates to how the county manages our county park system.

Please join us on June 15, 9:30 am for our next riverside trail cleanup day Umpqua Watersheds office. Pictures to follow.

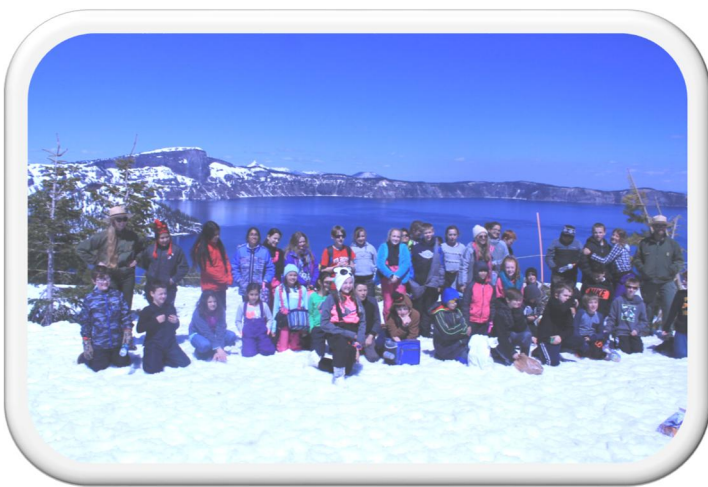
AmeriCorps Voice.....Christine Smith

The fact that this article is my last one is unbelievable. These past two years have been filled with growth, amazing connections and so much fun in the environmental education world. Maris and I are maximizing our last few weeks by teaching at as



many camps and outdoor schools as we can. We are constantly focused on creating unforgettable experiences for the youth of Douglas County. I am glad to be ending this chapter of my life on such high notes.

May brought our final Crater Lake trips. We braved a flurry of snow with North Douglas Elementary and had beautiful



weather with Fir Grove Elementary and Hucrest Elementary. Watching the students' jaws drop when they see the great blue lake never gets old.

May also brought my final Science Wednesday. It took place at Eastwood School; they have an amazing campus for outdoor activities such as compass and GPS navigation. We were so lucky for the weather this season that we did many of our activities in the great outdoors. I also have exciting news! I applied for a grant through the Gray Family Foundation to boost our Science Wednesday program and make it sustainable for years to come. We received three thousand dollars to get tons

of awesome education supplies such as tree ring exploration kits, animal skull models, soil sieves and more. Included in the grant was updated training and environmental education curriculum for our future educators at UW. Many of these supplies have already been put to great use at Science Wednesdays, the library preschool program and at the camps where we've been teaching.

Camp Eastwood is the fifth grade campout at Eastwood School to celebrate nature, science and the end of elementary school. It is evident that the teachers have an amazing dynamic with their students and are dedicated to providing them with as many unique opportunities as possible. Maris and I acted as camp counselors for the week; we pitched our tents on campus with the students and each led our own group to their stations and on hikes. Educators from all over the county filled the three days with experiences such as gold panning, hunting for macroinvertebrates and line dancing.

We've also been station leaders at many other outdoor schools in the area. At Hucrest' Outdoor School, I led a teaching session on water chemistry and Maris led one on soils. I will be teaching about animal skulls and food chains at Green Elementary outdoor school and Maris will be leading compass navigation. Many new connections have been made through these camps and I've had many students recognize me from Forest Thursday or their Science Wednesday program which is a delight. Forest Thursday is about to wrap up for the season. We've explored many forest creatures and concepts through art at the Boys and Girls Club.

Our connection with Fremont Middle School's Natural Resources class has made for some extraordinary experiences. We've harvested lots of goodness from their garden and had cooking parties. We've also gone on field trips to Wildlife Safari and Stewart Park. At Stewart Park, the students released fish they've been raising. It was a special moment for them to see



their fish scurry off into the river.

I'm incredibly thankful for the people I've met through UW who inspire me and for the students who make it all worth it. I plan on continuing my career in environmental education and am working on getting my Wilderness First Aid and First Responder certification with my AmeriCorps education award. We're not done yet though! The Twin Lakes Youth Wilderness Campout is July 26-28 for only \$25. Please let us know if you have a student who would like to attend.

AmeriCorps Voice... Maris Wilson

These past few months have been filled with programs, both existing and new! My final Science Wednesday afterschool program was with Winchester Elementary School. We had so much fun learning about science, including a new lesson all about soils where we used some newly-purchased teaching materials to explore the basic components of our earth.

Fullerton Elementary School hosted their first Outdoor School this year, where I spent a day teaching 5th grade students how to navigate using a compass. We practiced taking a bearing and orienting ourselves in the right direction. Christine created a station where students could explore different species of trees and their rings, and the skulls of animals found in the Umpqua.

After helping with a few events at the library and talking with parents, I learned that Roseburg does not offer a lot of programs where families with pre-school students can come and learn together. I decided to create a 4-week program targeting this age group where we could learn about the science of spring together. We learned about weather, animals, plants, and insects. One family member told me that their student was awake and ready to go to 'school' at 7am, even though our program started at 1pm! It is wonderful to hear that these students were so excited to spend some time learning about science. The program was so successful, and parent feedback so positive, that I will be offering another 4-week program for pre-school students this summer at the library.

In the middle of May, Christine and I were able to teach at the Eastwood Nature Days program where 3rd grade students from almost every school in Roseburg were able to come and explore the science of nature. Christine taught them about water chemistry, specifically about cohesion and surface tension. I taught about soil science where students learned about the importance of soil as a

resource and used a soil sieve to determine what makes up the soil at Eastwood. We had 4 full days of this program, and each day was just as exciting as the last.

At Winston Middle School, the 7th grade science students were able to participate in a 2-day stream study as part of their ecology unit. The first day, we covered the importance of soil and practiced taking the pH of different liquids. The second day we were down at the stream looking at the soil composition, measuring the pH at different sites along the water, and searching for micro-organisms to determine the health of the river. Everyone had fun splashing in the river and learning more about their local environment.



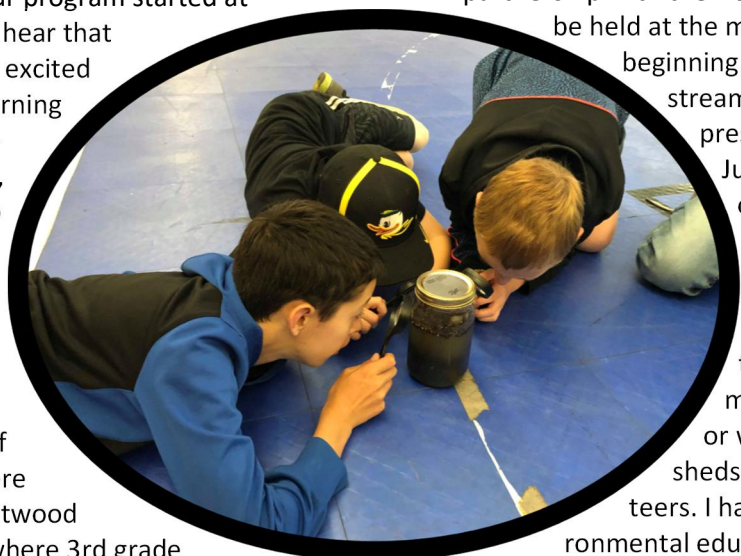
Christine and I had a chance to do some outreach events these past few months. In April, we went to the Earth Day Celebration at the fairgrounds. We spoke with families about tree rings using our new education kit, and had a chance to describe our education programs. In May, we had a booth at the STEAM Extravaganza at UCC. We taught families all about water chemistry. One student stayed at the table for about 20 minutes, doing his best to float as

many paper clips as possible without breaking the surface tension of the water. In the end, he was able to float 10 paperclips!

Coming up, we will be offering preschool courses in partnership with the Douglas County Museum. They will be held at the museum on Saturday mornings, beginning on June 8th and culminating in a stream exploration on June 29th. My preschool program will begin on June 11th at the library, and will continue on June 25th, July 2nd, and July 9th. Hope to see lots of community members there.

It is hard to believe my service term is ending in two short months. It has been such an honor working with Umpqua Watersheds and all of the passionate volunteers. I have learned so much about environmental education and activism in Roseburg,

all while meeting community members and organizations dedicated to improving the lives of our residents. While I am not sure where my journey is heading, I know I will always be grateful to Umpqua Watersheds for this unparalleled experience. Thanks for an incredible year!





PO Box 101
Roseburg, Or 97470

RETURN SERVICE REQUESTED



NONPROFIT ORG
U.S. Postage
PAID
Roseburg, OR
Permit No. 18

We need your support

Please join as a business endorser, \$125 for one year-All contributions are Tax Deductible. Call 541.672.7065

Sutherlin Veterinary Hospital 541.459.9577
sutherlinvethospital.com
Wild Rose Vineyard 541.679.1433 wildrosevineyard.com
FCR 541.229-7956 www.gofcr.com
Viriditas Wild Gardens 541.825.3402
White Oak Medical Center 541.464.5907 whiteoakmc.com
Kevin Barrett Drywall 541.672.3153
Newcastle Solar 541.396.2100 newcastlesolar.net
Golden Constuction, John Hunter 541.679.4303
River Sounds Music 541.679.7077
The Harvest Store 541.679.4524 www.harveststore.biz
Medicine Flower 541.492.1607 medicineflower.com
Cascade Painting of Oregon 541.430.6514
Arneson & Stewart, P.C. 541-673-0696 arnesongroup.com

Alexander's Greek Cuisine 541.672.6442 www.alexandersgreekcuisine.us
Brandborg Vineyard and Winery 541.584.2870
brandborgwine.com
Sullivan Distributing /Dean Sullivan 541-680-6677
www.zirconazul.com
Oregon Serigraphics 541.672.6296 www.orserigraphics.com
Mark Hamm, D. M.D. 1313 W. Harvard, (541) 673-3355
Kaul Family Chiropractic & Massage 541.672.8831
kaulfamilychiropractic.net
Richard Chasm, Timberland Owner 541.430.2161
richard.chasm@earthlink.net
River's Edge Winery 541.584.2357 riversedgewinery.com

Umpqua Watersheds Business Partners
Umpqua Watersheds sends a Big THANK YOU to all our Business Endorsers