



100 Valleys

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President's Corner

Stanley Petrowski

We are certainly living during interesting times. Apart from the usual mishaps of our human condition there are some really encouraging events that have transpired since our last newsletter.

Deeper in the newsletter there's a shout out related to Suction Dredge Mining Reform Bill that Umpqua Watersheds has supported for the past five years. It is not a perfect solution to the continued problem of damage to our environment by resource extraction industries but it is a very positive and productive. Although I was a key instigator in this effort I have to give credit where credit is due. Umpqua Watersheds focus on the Spring Chinook run of the Upper South Umpqua River far outdates the initiation of the effort to address suction dredge mining in our region. Thanks to the committed conservation minded fishermen in our organization we were prepared to react when sensitive fish runs were being threatened by gold miners. Thanks team UW!

As President of UW I continue to commit time and energy to the NW Fire Science Consortium and seeking to address fire ecology in our region. Our forests are fire adapted systems that have been radically interrupted by clear cut logging. When once we had complex multi-tiered fuel structures in our forest we are now having to deal with the legacy of monoculture even- aged fuel structures dominating the landscape. There are laws and social issues to address if fire is going to once again safely grace our regional landscapes. One major issue is the impact of smoke. There are laws governing the amount of smoke allowable in the atmosphere to protect public health. Other efforts seek to address the monumental task of fixing what we have broken without doing further

damage. Many people look at the forest plantations as a great way to manage the wood products industry. It the farthest thing from the truth. Most plantations are nothing but fuel traps and ecological deserts. Very little can live there and the impact on our natural water reserves is



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.

devastating. The fire consortium is made up of academic, corporate and environmental interests looking for answers and staying on top of the latest science discoveries.

Ok. Ok. I've been remiss with the Board and the Staff here at UW. We've been chomping at the bit to tell the world of our wonderful good fortune. The onus of having to move our office has been hanging over our proverbial heads for some time. We all know moving is a major hassle right? As of this month Umpqua Watersheds has been the recipient of a huge contribution by one of our supporters. The owner of our office building has long been a UW believer. He has decided to donate the office building and its assets to Umpqua Watersheds. This takes UW's efforts to a whole new level and we cannot express the level of gratitude we all feel as a result of this substantial contribution. A special shout out goes to Executive Director Kasey Hovik and Outreach Coordinator Alan Bunce for taking the process on and guiding it to a successful completion.

Of course with a building comes responsibilities. There's work to be done and we need your support. Major modifications and some repairs are needed to bring the building up to its highest potential. Please consider sending a donation to UW specifically for that purpose. We've all considered ourselves people of place. With downtown property now owned by us.

Upcoming Events

June 28th: FERC LNG Hearings, UCC

July 1st: Building Acquisition celebration/Open House

July 12th: Hike for Henry – Bulldog Rock

July 15th: River Appreciation Day (RAD) 11am to 8pm, Whistler's Bend Park

July 21-23: Twin Lakes Youth Wilderness Camp

July 29, 30: Camp Bailey

Aug 24-29: Crater Lake Hike Bonanza



Reaching Out By Al Bunce

A fly on the wall

Last year I wrote about titans of conservation converging nearby on the Elk River. While researching for the story, I found myself wondering what it would have been like to be there with them; the fly angling experience, the comradery, and the conversations.

Recently, the same three, Frank & Jeanne Moore and Yvon Chouinard, gathered again, only this time here on the world famous North Umpqua River. As luck would have it, I was allowed to bear witness to it. To a fan of conservation, like me, an opportunity to spend time with these legends is akin to a sports fan getting to hang out with Babe Ruth, Michael Jordan, and Serena Williams.

At a young age, I was introduced to the art of fly tying and angling and was prodded on by two uncles who supplied me with fly tying materials and fly fishing magazines in return for flies. When I wasn't busy tying, I was reading about fishing adventures, often on the Umpqua, and dreaming of someday experiencing the thrill of our natural world for myself. This was also my introduction to the legendary fly angling status of Frank Moore of the Steamboat Inn.

It was Frank's love and intimate knowledge of the river that led him down the path of conservation. While fly fishing, he witnessed the damage that clear-cut logging was having on the ecology of the river and set about to halt its destructive nature. He and others in the Steamboat area surveyed the nearby streams, recorded data, and made a short documentary filmed entitled PASS CREEK. The film and the data were shown to legislators and from the efforts were born the Federal and State stream protecting buffer laws that we have today. Frank also went on to work for many years on the Oregon Fish Commission where he fought for common-sense fish management.

Meanwhile, Jeanne was busy with her own conservation project, as she and three friends worked tirelessly to preserve the area known as Limpy Rock. At the time, timber harvest was at its peak on Federal lands, and even beautiful areas like Limpy Rock were on the chopping block. Jeanne and friends, who would later be dubbed "The Four Ladies in Tennis Shoes" by the Forest Service, spent several years surveying the land and documenting their findings, which included rare and even endemic plant and animal species. Their findings led to the USFS declaring the area a Natural Research Area, which has preserved it to this day.

At the Moore's request, Yvon was the guest speaker at the Steamboaters banquet, and stayed for several days to fish the Umpqua. Yvon, Founder of the outdoor clothing company Patagonia, helped create the "1% for the planet" movement, encouraging participating businesses to contribute at least 1% of their earnings to conservation. Patagonia itself has given more than 75 million dollars to efforts worldwide.

The Steamboaters Banquet proved to be the toughest ticket in town. Beg as I may, I wasn't getting in. I even joked to a

member that I was going to sneak in as a waiter. So imagine my elation when a friend announced he could not go and offered me his coveted ticket!

At the banquet, I was introduced to Yvon by Steamboaters President, Tim Goforth. The conversation was engaging, as Yvon and I share the passions of fishing, conservation, and metalwork. Yvon was soon torn away by more introductions, but luckily, Frank soon pulled me over to meet Yvon, so we were able to resume our conversation.



In the days following the Banquet, I was tormented by the fact that I didn't have enough time to talk to Yvon more about the great work being done at Umpqua Watersheds, including our Crater Lake Wilderness Proposal, which is supported by Patagonia's Grassroots Grants Program. I was also seeking auction items for our banquet at that time and knew that items signed by the Big Three would fetch a high premium. So, as the Outreach Coordinator, I surmised that it was my sworn duty to outreach and seized the opportunity to visit Yvon at the Moore's' home.

It wasn't until I knocked on the door that I thought I'd made a mistake. Who was I to show up uninvited, unannounced? And at dinner time no less. I felt ill as the door opened and I peered in, only to see a large kitchen table full of distinguished guests staring back at me from their meals. My instinct to flee the scene was quickly overcome by Jeanne and Frank's welcoming spirit, and I soon found myself amongst the invited.

In my other occupation as a custom architectural metalsmith, I've had the pleasure to be invited into some of the finest homes in the country. To me, the quaint forested log home of Frank & Jeanne Moore ranks among my favorites. While many of the other homes reek of opulence and overindulgence, the Moore's home is warm and inviting, much like its hosts. It's not merely a house, but a home.

Inside, one is harkened back to a simpler time, deplete of many modern distractions, but full of charm and character. Distractions come in the form of memorabilia, collected from a lifetime of adventure. Fly rods, the tools of Frank's trade, hang from the wooden ceiling, and the walls are adorned with

photos, awards, and fishing gear. Colorful collections of artificial flies, many from other countries, are on full display, reminiscent of a Mardi Gras parade.

Conversation was enchanting, as many stories and topics were discussed, ranging from Angling to Zero carbon emissions. Fishing tales from around the globe were told, as well as stories of declining fish populations. Conservation and restoration efforts were discussed at length, and I even found myself joining the conversation to tell Yvon of the Youth Federal Climate Case involving two of our own, which brought a broad smile to his face.

At the end of the evening, after everyone else had left, the Big Three honored my request for autographs, signing auction items late into the evening. As I parted, I thanked the Moore's for their hospitality and Yvon for his continued support. Yvon responded by acknowledging the good work being done by Umpqua Watersheds.

For me, the experience is one I'll forever cherish. For once I wasn't just drawing from the imagery of someone else's story of an important event, as, much like one of Frank's tools of the trade, I got to be a "fly on the wall" in the company of greatness.

SUCTION DREDGE MINING BILL PASSED!

Thank you to everyone who spoke out to stop environmentally damaging suction dredge mining! After receiving bipartisan support, Senate Bill 3A was recently signed by Gov. Brown, providing immediate protection to some of Oregon's most sensitive waterways.

Suction dredge mining is a form of recreational gold mining that uses a motorized, floating dredge to suck up the riverbed. Multiple scientific studies show that suction dredge mining can trap and kill young fish and fish eggs, release fine sediments that smother spawning gravel for salmon, and even stir up legacy mercury from historic mining operations.

The bill establishes a permanent regulatory framework to manage suction dredge mining. Mining is now prohibited in spawning and rearing habitat for sensitive, threatened, or endangered salmonids and lamprey, termed "essential salmonid habitat." Outside of these areas, suction dredge mining may still be allowed under a Department of Environmental Quality (DEQ) permit that places certain limits on where and how suction dredges can be operated in streams.

Our UW President, Stan Petrowski, helped to sound the alarm several years ago as miners flocked to SW Oregon after California enacted restrictions, tripling the number of mining permits in Oregon. Virtually every spawning index pool used by the few remaining wild South

WE HAVE A VOICE!

KQUA 96.5 Low-Power FM Community Radio! We are very excited to announce that we are now broadcasting loud and clear and forming our RADIOACTIVE Committee to discuss innovative programming ideas aimed to give a voice to education, the environment, and social justice. Community content will be on the air soon, but until then, tune into the great commercial free music.

KQUA – just enough wattage.... to enlighten your cottage.

Patrick "Trick" Schneider is our new volunteer Program Director for the radio. Trick comes to us from UCC with a degree in business marketing. He has several certificates including communication specialist. Welcome Trick!



Umpqua Spring Chinook was claimed by miners, threatening their existence. Stan became a leader of aquatic mining reform, calling for common sense regulations. For his efforts, Stan was recently named RIVER STEWARD OF THE YEAR by the Native Fish Society.



Stan Petrowski, second from right, attends the signing of Oregon SB3

Conservation Cornerby Joseph Patrick Quinn



"The emperor has no clothes!" the child famously exclaims while watching his majesty parade by in the buff, too innocent to know enough to imitate his elders, and say nothing. Our watersheds, in too many instances, have no clothes either. It is apparent to anyone who is able to explore the back country byways of

our region. These private industrial timberlands are "slicked off" yet again. Their immature, even-aged Douglas-fir removed with scant green tree retention or snags remaining for the benefit of water quality, wildlife or viewing pleasure. However, we the members of Umpqua Watersheds, unlike the elders in the old fairy tale, do not enjoy the luxury of standing on the sidelines, these days, saying and doing nothing.

Interspersed with these virtual moonscapes, are the public lands mostly managed by the BLM. This infamous and most unfortunate "checkerboard" of alternating ownerships interacts with Forest Service lands, as well. In previous editions of the newsletter, we have written about the vast liquidation of primary old growth and mature forest that occurred under the vaunted banner of sustained yield on our public lands over the past decades. On BLM managed lands in Western Oregon, this annual average extractive volume converted just under one billion board feet from primary forest to plantations for more than three decades. On the BLM's Roseburg District alone, between the years 1963 and 1993, reported timber sale quantities amounted to a total of 6,235,897,000 board feet. Over the same thirty year period, again just on the Roseburg District, this level of extraction left a reported 141,498 clear cut acres, and an additional 95,583 acres of partial cuts in its wake, so to speak, for a total of 237,081 acres thereby converted from primary forest to plantation or other stand initiation condition. This converted acreage represents more than half of the Roseburg District's approximate 420,000 acre total! Over this same approximate time span, the average volume of old growth and mature forest clearcut or partial cut from the Umpqua National Forest amounted to 347,000,000 board feet annually. On the neighboring Willamette National Forest, nearly twice that annual average was liquidated each year for that approximate thirty year period. Clear cut extraction from private industrial timberlands was, and remains, comparable.

Given all that we know, here in the twenty-first century, about the importance of high-functioning watersheds to air quality, biodiversity, connectivity, carbon sequestration and mitigation of greenhouse gas emissions, and yes, aesthetics, it seems particularly



ironic and disappointing to us, that the BLM is once again introducing their own version of clear cut logging into these put-upon landscapes. Called regeneration harvests or variable retention harvest, these amount to still more large openings on watersheds where even larger and more extreme private land clear cuts already abound. Far from helping to restore watershed function, these extractive proposals can only serve to make conditions worse. Perhaps this unfortunate likelihood is nowhere so ominous as in the area of stream flow. It is true that public land logging leaves riparian buffers that are far superior to what, if any, buffers are left along waterways following private land clear cuts. This comparison holds even under BLM's new Regional Management Plan, adopted last year. Those BLM stream buffers have often been reduced in width by half.

Research obtained by the UW Conservation Committee (Perry and Jones, 2016, OSU) reflects fifty or more years of data recorded on the Willamette National Forest's H.J. Andrews Experimental Forest and on the Umpqua National Forest's South Umpqua Experimental Forest. Perry and Jones uses its acquired data to show definitively that on watersheds where primary forest has been converted to plantation at a rate of 50% or greater, summer low flow in "treated" streams remains at only 50% of dry season streamflow in their respective, untreated, reference streams. This impacted streamflow persists from about fifteen years following initial conversion to the present and beyond, a period of some fifty or more years so far. (Peak winter flows likewise remain outside the baseline norms, which were observed on those same respective reference streams, for some time.) To quote from Perry and Jones: "This study showed that, relative to mature and old-growth forest dominated by Douglas-fir and western hemlock or mixed conifers, forest plantations of native Douglas-fir produced summer streamflow deficits within 15 years of plantation establishment, and these deficits have persisted and intensified in 50-year-old forest stands. Forest stands in the study basins, which are on public forest land, are representative of managed (including thinned) forest stands on private land in the region, in terms of basal area over time (Figure 3), age (10 to 50 years), clearcut size (20 ha), and average rotation age (50 years) (Lutz & Halpern, 2006; Briggs, 2007). There are no significant trends in annual or summer precipitation

(Abatzoglou, Rupp, & Mote, 2014) or streamflow at reference basins over the study period. This finding has profound implications for understanding of the effects of land cover change, climate change, and forest management on water yield and timing in forest landscapes." (emphasis, UW)

And: These "long-term paired-basin studies extending over six decades revealed that the conversion of mature and old-growth conifer forests to

plantations of native Douglas-fir produced persistent summer streamflow deficits of 50% relative to reference basins, in plantations aged 25 to 45 years. This result challenges the widespread assumption of rapid “hydrologic recovery” following forest disturbance. Widespread transformation of mature and old-growth forests may contribute to summer water yield declines over large basins and regions around the world, reducing stream habitats and sharpening conflict over uses of water.” (emphasis UW)

To our admittedly jaundiced eye, this revealing study flies in the face of claims long made by agencies and industry concerning streamflow recovery following clear cut conversion of virgin forest to plantation. In our estimation, this can only mean that we are now living with chronic low summer flows in those streams, where such old growth to plantation conversion has approached and often exceeded the above-mentioned 50% threshold. And, on how many of our beleaguered watersheds, has it not met or exceeded this lamentable metric? Logic suggests to us that this environmentally unacceptable condition has been so long in the making and so persistent, that very few among us are old enough to remember what healthy summer stream and river flows even look like.

It is well known that low stream flows during the summer months too often equate to higher temperatures, decreased dissolved oxygen levels, raised bacterial counts and even, as all reading this will painfully recall, extensive river closures during the hottest months of the year due to toxic blue-green algae blooms. Oregon DEQ Total Maximum Daily Load data for the South Umpqua and Coquille Rivers trumpet this fact year after year! If the Perry and Jones research paper is anywhere near as reliable as its high-quality, decades-long Forest Service data suggests, this puts the BLM well outside the parameters mandated by the Clean Water Act or well outside the injunctions made by the oft-cited 1937 O&C Act designated to protect watersheds, regulate streamflow and provide for recreation. Given its own management history, and the past and current practices on adjoining private timberlands, it is UW's opinion that the BLM is out of specifications before it extracts enough trees to create even one more large opening in these basins. The UW Conservation Committee has made this informed opinion known to BLM, in no uncertain terms, in its formal protest of the Olalla-Camas Regeneration Harvest Plan, and in its comments to BLM on its Days Creek-South Umpqua Harvest Plan Environmental Assessment and FONSI. Stay tuned for further developments. After all, how can threatened and endangered fish runs ever be recovered in these degraded riparian conditions? They cannot!

As explained to the BLM's Roseburg District, we at UW take no pleasure in staking out these necessary conservation positions. They know that we absolutely support public ownership and management of public lands. We have told them so often enough. That said, the UW Board of Directors feels that, given the long history of over-extraction of

primary forest from public lands discussed earlier, alongside the ongoing clear cut degradation on the vast private industrial timberlands of the shared watersheds within the checkerboard, it has little choice but to speak up, on behalf of its membership, offering constructive comments when called for, and filing protests, however reluctantly, when necessary.

In an ideal world, all responsible parties: individuals, their local, state and national governments, management agencies and, yes, industry would be working together to conserve what is unspoiled and to begin active, widespread and effective restoration of seriously impaired watershed function across these common landscapes. Alas, present circumstances are not ideal. Adding insult to injury, members of the “conservation community” too often find themselves cast as the modern day equivalents of those lonely biblical voices crying in the wilderness.

Environmentalists are often unfairly blamed by opponents for such systemic societal maladies as drug addiction, alcoholism, broken families, bankrupt local governments, unemployment as well as for the current fire prone condition of many of our forested landscapes. As if 23 years of the Northwest Forest Plan were able to undo the impact of those decades wherein the concentrated, old growth wealth of many centuries was liquidated. Don't believe it. As members of this society, we accept our share of the common responsibility for this condition. Others refuse to accept or even acknowledge the fallout from so much ill-considered primary forest destruction and instead clamor for still more and more.

Painted into a corner, we cannot then paint our way out. Conservation and careful restoration are the only environmentally, and yes ethically, sound palliatives appropriate for this chronic regional ecological illness. What is more, they are the only true long-term financial and social remedies that can, given the requisite hard work and necessary investment, effect a lasting cure.

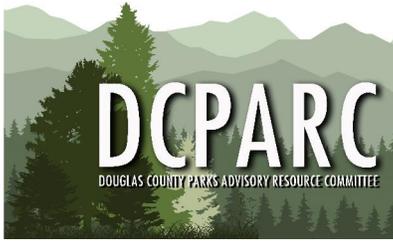
Crater Lake Wilderness Coordinator

My name is Christopher Pond, I moved to Oregon about eight years ago. I fell in love with the Umpqua National Forest immediately, and curiously wondered why the protections currently set in place we're lacking. I know this forest like



the back of my hand and I will do everything in my power to protect these public lands. I am lucky to have a partner, Zach, who is as dedicated as myself, and who helps me along the way. I am humbled for the opportunity to work with all the amazing people at Umpqua Watersheds to protect Crater Lake and all of its beautiful, and important, places.

#CraterLakeForever



The inauguration of Donald Trump has brought a special urgency to the environmental movement. Daily we face another crisis. This is especially true in Douglas County where our Board

of Commissioners seem embolden by Donald Trump's election. This presents many challenges for DCPARC, but we are up to the test! This year has been busy for us. Thanks to our committed members we have a presence at the three weekly BOC meetings as well as the monthly Parks Advisory Board (PAB) meetings. We plan to continue this presence at the County's budget hearings and the Planning Department's revision of the Comprehensive section of the Park's Master Plan. These revisions will effect the land use application for our County parks.

In March we attended the Callahan Planning Advisory Committee's review of the proposed OHV park in Lookingglass. The community's vocal displeasure at this plan was inspiring. We will continue to monitor the situation and develop more contact's with the community.

At the UW's March banquet we introduced our group .After a year of speaking before uninterested County officials, it was a thrill to speak before a supportive and enthusiastic audience. Our members have continued to educate themselves on environmental issues. We had a presence at the State of the Beaver Conference, the PIELC conference in Eugene as well as two forestry discussions. We have resumed our visits to our County Parks as often as possible. On a cold, snowy day in February , Francis Eatherington lead us in a tour of the 126 acre Britt Nichols Park in the Callahan Mountains.

In March, we attended the PAB's tour of the South County Parks: Stanton Park; Pickett Park; Herberts Pond and Chief Miawaleta Park (Galesville). as well as Longfiber Park (but not the PAB). During the tour of Herberts Pond, Park's director Rocky Houston, expressed interest in possibility turning it over to DCPARC. This would give us the responsibility of restoring this abandoned park. It is a long term project that would involve the collaboration of many local groups. There is much to be done before this becomes a reality. None the less, we are excited about the prospects.

In April, we, again, toured Longfiber Park, 36 acres, Azalea, with about 12 local residents.. They were able to show us their park and address their concerns about its future. We also took them up on their invitation to join their Community potluck. It was a wonderful weekend of community outreach. We had a booth at the Earth Day/ Energy Fair with a slide show of many of Douglas County parks. Also, with the use of the "Request for Public Information", we are continuing to research County records to create greater public awareness concerning county issues.

We can not rest and assume that our County Parks are safe from being logged. Because we know the following:

- 1) The Parks Master Plan (approved Dec. 2016) leaves the decision to log our parks to the BOC;
- 2) This is an issue because our commissioners have declared that out parks must be " run like a business!";

- 3) In 1978 the County Lands Dept. performed timber cruises at Busenbark Park, Iverson Park as well as Scottsburg Park (59 ac) and Southside Park (31 ac) on the coast
- 4) They have twice performed timber cruises at Mildred Kanipe Park and twice threaten to log it!
- 5) In 2012, Sparrow Park (15 ac), on the coast was logged to pay for cabins at two County Parks. Also on the coast, Ada, (11 ac) was sold to Bosco logging for capital funds. It is obvious that we can not allow logging to be a solution to a failed business plan. With your support, we will succeed! Please note that our meetings will now be held on the 3rd Wednesday at McMenamins conference room.



Scottsburg Boat Ramp

Wild On Wilderness

The wild on Wilderness committee has been busy working on the Crater Lake Wilderness Proposal. We are giving a Crater Lake Wilderness Slide show at the Patagonia store in Portland on June 8th at 7:00 pm. Please tell any friends in Portland to come out. We have been interviewing people for the CLWP our reach job, it will be decided soon.

There are many great hikes planned for this summer. With all the rain, the creeks and rivers are very full and beautiful. The water falls are booming with water so bring your camera. Be careful of the cold and swift water if you go for a swim.

Please consider writing a letter to the editor in support of the CLWP. Much help is needed to build support for the proposal. One interesting way of supporting the project is going up and in to the wild areas and take pictures and do citizen research. Also called Adapt a Wilderness for more information contact us.

The amazing Spring Chinook Salmon are in the Umpqua River now , you can go up to swift water park bridge and watch them jump this time of year. Go just before it get dark. It is a site to see. These fish that need clean cold water are just one of many creatures that are hoping for Forest protection. Storing carbon in these old growth trees will play a big part to help with climate change. There are many other values to wilderness. Wilderness does not need much of a debate. Just people to speak up for WILDERNESS. We meet the last Wednesday of the month at the UW office at 6:00 pm

We need wild places , Bob Hoehne

In Memoriam....

I first met Ann Chamberlain while working with the Partnership for the Umpqua Rivers (PUR). Who was this vivacious lady who, like me, represented conservation on the PUR Board? Her biography on the PUR website reads as follows:

Ann Chamberlain is a teacher, an ecologist, a research scientist, and an avid bird watcher. She is currently teaching college credit Chemistry and Physics at South Umpqua High School.

She previously taught at Umpqua Community College, Monmouth University (NJ), The University of the West Indies, Rutgers, The University College of Rhodesia and the University of Illinois, Chicago Circle.

She holds a Bachelor's and Master's degree in Zoology from the University of Michigan, and attended Connecticut College for Women. As a doctoral candidate, she worked in Rhodesia on a study of a pandemic parasitic infection.

In addition to teaching part-time, Ann is a Director of the Klamath Landscape Academy, a non-profit supporting graduate student research in the Klamath Mountains, a Director of The Partnership for the Umpqua Rivers, and active in several pure-bred dog associations. She has published several scientific papers, dog articles and two books on dogs.

In addition to those accomplishments, her good friend Cindy Haws informs me that Ann:

"Completed the Ford Foundation's Leadership program, was a Director on the Umpqua Natural Leadership STEM Hub (UNLSH) Board, served on the USFS Title II Secure Rural Schools Resource Advisory Council, was on the Myrtle Creek Library Committee, worked with the City of Myrtle Creek to plan and design a native plant educational garden in the park behind the library, helped a French geology student receive his masters studying Myrtle Creek, and was an amazing chef, gardener and food preserver - especially through fermentation."

Knowing nothing of Ann's past or credentials, I simply knew her as a colleague who was passionate about education, especially regarding educating local youth about the wonders of ecology. She served many years as the PUR Board Secretary, and fought hard to keep education a lively part of PUR's mission. I have fond memories of Ann donning a fish-shaped hat and teaching salmon life cycles to long lines of youth participating in PUR's salmon toss game at local events.

I'm very sad to say that we lost our good friend Ann recently to complications from Leukemia at a spry, youthful 77 years of age.

Cindy adds, "Well, it is very hard to talk about losing Ann. I saw

her smiling face so much over coffee at least weekly since she just lived up the road. We had so much fun trying to 'find a way'. We shared hours of education lessons, materials, ideas and community concerns and she gave so much of her time to community service. There were many miles carpooling to citizen action and education events or to speak to government officials to insist upon good science, protecting the environment, and real social justice. All this in just the 10 years I had the privilege to be her friend. Just an amazing woman. I feel such a loss, but so blessed to have had the chance to get to know Ann. The laughter and funny stories.... such wonderful time together."

A celebration of life was held Saturday June 24th at the park behind the Myrtle Creek Library.

Friends, family, and students of Ann's have started the **Ann Chamberlain STEM Endowment Fund** in effort to create a watershed sciences laboratory in her memory at the South Umpqua High School in Myrtle Creek, Oregon. Education will include some of Ann's favorites; fluvial geomorphology, aquatic and riparian habitat, and water quality.

For more details -https://www.gofundme.com/ann-chamberlain-stem-endowment?utm_source=internal&utm_medium=email&utm_content=sharing_image&utm_campaign=invite_n

Alan Bunce/Outreach



Kasey's Corner

By Kasey Hovik

Two months ago I assumed the role of Executive Director at Umpqua Watersheds and am proud to work alongside Alan Bunce and the UW Board of Directors to help respond to the threats to our natural environment because of our current political reality. I am very grateful to be part of Umpqua Watersheds and humbled to be associated with so many intelligent, committed and generous people.



When I moved to Roseburg over six years I got involved with Umpqua Watersheds after I attended one of the hikes sponsored by UW. I was immediately captured by the passion and appreciation people had for the beauty around them and their determination to protect it. I volunteered at my first Brew Fest that year and attended my first banquet the following spring. In the summer of 2012 I was invited to become a member of the board of directors of Umpqua Watersheds and took the position of Director of Operations that fall after UW lost its Executive Director, Office Manager and our AmeriCorps in the same month. It was a dark time for UW. Some people suggested that we might have to close our doors because of lack of funding. Fortunately the rumor of our demise was greatly exaggerated, but not by much!

Over the next 1 ½ years I worked as Director of Operations and as a board member. I chose the title because I felt I didn't have the environmental credentials to be an executive director but hoped to provide some stability with my background in business and nonprofit management. I would go to board, committee meetings and public events and feel as if I was in the land of the giants because of profound depth of environmental and community knowledge possessed by Ken Carloni, Paddy Quinn, Stan Petrowski, Bob Allen, Bob Hoehne, Anne Dorsey, M.A. Hansen, Francis Eatherington, Alan Bunce, Susan Applegate many more! I decided I wanted to know more, to somehow contribute so I decided to pursue an online master of environmental law and policy degree from the Vermont Law School. I also started a full time position at Umpqua Community College and continued to serve on the board of directors while juggling work and school. Last August I finished my program and am eager to do what I can to make a difference with my education and experience.

It has been a wild ride for me personally and especially for Umpqua Watersheds. After those dark days in the summer of

2012 UW has flourished thanks to the incredible work of our board of directors and three fantastic young people through the VISTA and AmeriCorps programs. Over the past five years, Roland Wang, Katrina Keleher and Baily Stein have invested thousands of hours into our community by teaching environmental education in local schools and immersing themselves in Umpqua Watersheds activities while becoming part of our UW family. After I stepped down as director of operations to focus on school, Alan Bunce became our office manager and outreach coordinator and along with our AmeriCorps heroes, provided the energy UW needed to rise from the ashes.

On Saturday, July 1st from 4-7pm we will celebrate the greatest donation Umpqua Watersheds has ever received, our building at 539 S.E. Main Street! We have been extremely fortunate to have a great landlord the last several years. The building had been on the market for many months and several interested buyers came through. A few UW members were working on a plan to buy the building but in January the owner mentioned to Alan that it might make more sense to donate it to Umpqua Watersheds. We made sure that it continued to make sense for him and worked closely to make the donation a reality. On Friday, June 16th we filed the deed and the courthouse and officially assumed ownership. Please join us to celebrate on Saturday, July 1 from 4-7pm. Our neighbors at Old Soul Pizza will be opening for us and we will be broadcasting great music from our new radio station, KQUA 96.5. While we have a lot of work to do because of the many challenges in front of us it is important to stop a moment, celebrate our victories and our friendships and talk about how we are going to face those challenges together as a team.



AmeriCorps Voice

By Bailey Stein



Our spring schedule is in full swing! Crater Lake snowshoe hikes for 5th graders are beginning; we have facilitated Riddle, Myrtle Creek and Elkton 5th grade classes in attending snowshoe field trips up to Crater Lake National Park. Many students (and parents) have yet to visit any of their national parks, let alone the one in their own back yard. We are grateful to have the opportunity to facilitate these trips with the help of the Gray Family Foundation.

April 8th, held our 3rd annual Science Olympiad competition at OSU for Douglas High School students who competed in numerous STEM related events. This included tower, helicopters, hovercraft and many more! The students came back rejuvenated about science and encouraged to start studying earlier and even create their own pre-competition scrimmage with neighboring schools.

The Science Wednesday program was completed with Fir Grove elementary in March with a beautifully sunny day full of geocaching and GPS systems. Science lessons at Casa de Belen and environmental art at the Boys & Girls Club are becoming well-established programs with a group of dedicated students and artists. We did an Earth Keeper Art Contest for the Earth Day Fair at the Boys & Girls Club. Their artwork was submitted to the



fair judges and for Earth Day Fair on April 22nd at the Fairgrounds. (You can check out our education blog for more photos). <https://umpquaeducation.wordpress.com/> Wilderness literature at Phoenix Charter School has been developed and we have been on many adventurous field trips into the wilderness of Douglas County. Visiting Susan Creek Falls, Fall Creek Falls and Stewart Park have been among some of our field trips thus far! The Phoenix students also participated in our St. Patrick's Day Tree Planting event in cooperation with Roseburg Parks & Recreation; planting trees and clearing invasive species at Riverside Park in downtown Roseburg. For the wilderness literature class we are planning a field trip to Wolf Creek Falls for our final nature jaunt. The culmination of the class will include a class anthology on what wilderness is to each student; including essays, photographs, art pieces and more!

There are many upcoming summer camps, programs, projects and events! We can't wait for the summer weather to get here so we can continue our outdoor education in the sunshine.

Hikes, campouts and much more to come! Keep up to date though our Facebook page, website and blog!

See you on the trail!



Get Involved! Join a Committee.

Monthly Board Meeting: 3rd Monday of every month at 6:30 PM in the UW offices. This meeting is for board and staff members only. If there is a topic you feel the board should broach let us know so we can put it on the agenda! Reach me at alan@umpqua-watersheds.org

Education Committee Meetings

When: 2nd Tuesday of Every Month, 6:00pm

Where: Umpqua Watersheds Office, Downtown Roseburg

Contact: Ken Carloni - ken.carloni@gmail.com

Restoration Committee Meetings

When: 3rd Tuesday of Every Month, 5:00pm

Where: McMenamain's Roseburg Station Pub

Contact: Stan Petrowski - Stanley@surcp.org

Wild On Wilderness Committee Meetings

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

Where: Umpqua Watersheds Office, Downtown Roseburg

Contact: Bob Hoehne - oho937@hotmail.com

League of Umpqua Climate Youth (LUCY): young adults dedicated to changing the environment for their future meets on the first and third Tuesday of each month.

DPCARC: meets on the third Wednesday of each month. 6pm at 713 SE Jackson St.

Outreach Committee: Contact Alan Bunce at alan@umpqua-watersheds.org (541)672-7065.

Restoration Committee... by Stan Petrowski

The Burden of Healing

From its very beginnings Umpqua Watersheds has had restoration ecology as a critical component of its agenda. The first decade or so was mainly devoted to the immediate and most important task. Slowing down of the level of damage to the habitat that was being reeked on the public and private forests in the Pacific Northwest. We have obviously only partially succeeded.

In spite of our hope and concentrated time investment to protect vital life supporting ecosystems in our region, the need to address the damage that already been done remained steadfastly in the organizations focus and planning. Once the Northwest forest plan was initiated and various species of animals, fish and plants continued disappearing from the ecosystem it was evident there was restorative work to be done. Efforts to turn the tide of the impact of the industrial revolution on the environment have not been very successful. The pace of destruction on public lands has been slowed but not stopped or reversed. Private industrial land corporations continue to be the main contributors of ecological destruction, pollution, social/economic degradation and political intransigence.

A buzz word being circulated around various funding circles related to defending and restoring ecosystems services is **equity**. The concept is rightly front and center in our culture. It takes many forms. For the purpose of our discussion on restoration it is appropriate to describe some of the inequity associated with resource extraction and its influence on the natural world. We believe the natural resource extraction industries have privatized economic gain on both the public trust and their managed tree farms. At the same time they have socialized the risk and cost of damage to the environment with its resultant adverse impact on the aquatic and terrestrial web of life it contains. Indeed, it is readily evident that the past 150 years of land acquisition and management have taken an immense toll on human and wild life. The cost of damages is a can kicked down the road.

As an example let's consider the effects of logging. Diminished fish runs alone have cost Oregon, Washington and California billions of private, state and federal tax dollars to stanch the rapid decline of salmon. Add to that the weight of the very expensive false starts such as the Pacific Northwest hatchery programs. These programs have not only failed miserably but have compounded the very problems they were proposed to fix. Consider the losses of investment made by the fishing industry as ships sit idle on the coast for lack of the once wild fisheries abundance that filled the oceans. We can easily enumerate other costs which amount to billions of dollars that are paid out in taxes as a burden on the public to compensate for the influence of "development". Adding to the heavy load is the reality that those who profited the most rarely



pay taxes. Good tax lawyers and strategic economic meanderings very often take high profiting corporations off the hook. All that has been spent to restore critical aspects of ecological function is a fraction of what will need to be spent going forward by generations to follow. Because the decline of the health of the natural world often goes unnoticed it is less likely to get the real attention it needs. Nature has built into it a survival strategy that often acts as a buffer over time to compensate for the depletion of its ecological reserves.

One of the first steps in the development of UW's efforts in restoring watersheds was to lay down the principles and definitions of restoration. This was done in order to clarify what restoration means in the context of our present watershed conditions. Ideally the conditions of pre-European contact would be a wonderful place to start as a point of reference. Given the level of human intervention on ecosystems services though we have found ourselves targeting the highest level of intrinsic ecological function and ecological need as our goals. Restoration is complex. Keystone species make it imperative to support their existence. Abundant clean clear cool water is a foundational component restoration goals. Above all is a vital unbiased science based monitoring program to quantify where the damage is being done, what needs to be done to mitigate it, what successes and failures result from restoration efforts. There are institutions heavily engaged in restoration ecology. UW's role to date has been that of a watchdog and science contributor organization.

The burden of protecting and restoring is multifaceted because the deep social, economic and political implications of healing. At this stage of the Pacific Northwest ecosystems health we can very easily say it is tantamount to a catastrophic health crisis with little or no insurance to pay for it. The **inequitable** burden is destined to fall on generations to come if the world is to survive.

The vast majority of society is convinced that the conservation community is merely crying wolf on the world stage. A substantial element of western culture thinks that the resolute gestures of environmental organizations is a strategic element of a vast world conspiracy to socially engineer the world. From my heart and on behalf of Umpqua Watersheds I can assure you that the above is not the case. Above and beyond all our restoration ecology efforts are a core commitment to supporting life on our world. We have aligned ourselves to the best of our ability with the intrinsic resilience we see in nature. That is our cause. That is our commitment...regardless the cost. That is the form equity takes as we see it today. Walk with us and help us find solutions to these wicked problems and their associated intractable barriers.

Board of Directors

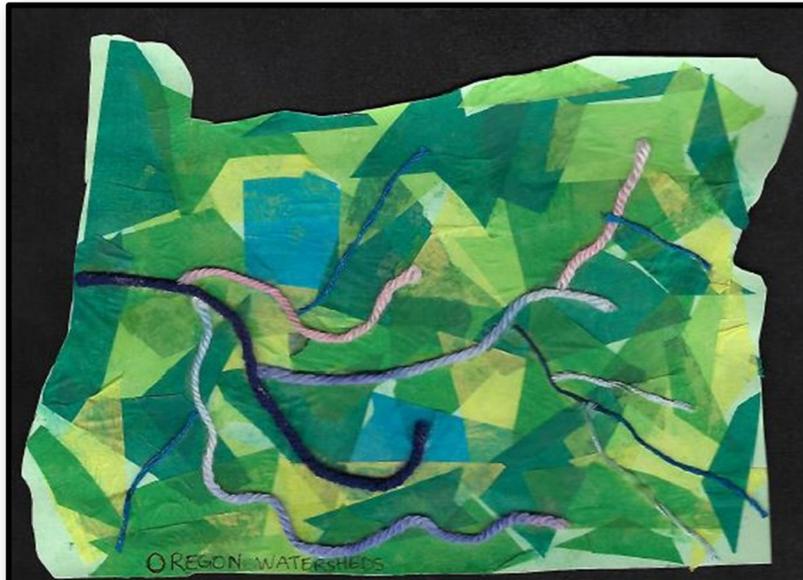
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31st Annual River Appreciation Day
July 15th, 2017 - 11AM-8PM
Whistler's Bend Park



Mosaic by: Jace Heitz - Phoenix Charter School - 9th

A free community event for lovers of the
Umpqua River

Hosted by Umpqua Watersheds

Live Music, Food, Booths

Activities include: Disc Golf, Horseshoes, Kids Crafts and more!

Group Camping Available: \$10/person (includes parking)

To volunteer or for more information call or email

Umpqua Watersheds:

541-672-7065 or bailey.umpquawatersheds@gmail.com

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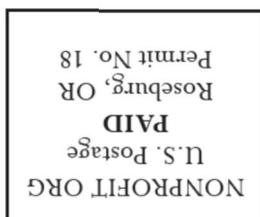
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