



Johnson Creek Watershed Council

# Within Your Reach

reach: a) a portion of a stream or river b) an extent, esp. of knowledge or comprehension

## Bilingual Nature JC Celebrates Year One



*Plantas Verdes guests enjoying a Nature Walk at Leach Botanical Garden on Thursday, July 12. Bilingual Nature intern, Lucero (front, right) led us through the garden to learn about how plants, bugs and people communicate and what this means to Johnson Creek and the watershed. Photo: Ana Meza*

This year marks an exciting first for the Watershed Council: The launch of Bilingual Nature Johnson Creek (BNJC), a new nature education program designed to connect multilingual learners, immigrants, and refugees to natural areas and parks in the watershed. Johnson Creek Watershed Council welcomes ALL people who live, work, and play around Johnson Creek. The Council is devoted to doing our part to heal the legacy of systemic racism and inequality within the watershed by enriching the lives of all people who touch Johnson Creek Watershed. Our Bilingual Nature program is just one way we aim to do just that.

Through this program, JCWC was able to hire four interns and give them skills and experience planning bilingual nature events held in Somali, Vietnamese, Spanish, and English. The interns received professional development opportunities and experiences in environmental restoration projects, outreach, event planning, graphic design, translation and more.

Abdi (from AYCO, the African Youth Community Organization) coordinated a restoration planting event at Powell Butte, Phuc (from APANO, Asian Pacific American Network Oregon and ALLY, Asian Leaders for the Liberation of Youth) planned a tree maintenance event at Powell Butte, Rita (from Verde) held a botanical lesson at Leach Botanical Garden, and Lucero (from Green Lents and the Lents Youth Initiative) led an educational nature walk also at Leach Botanical Garden. At the conclusion of her internship, Lucero wrote that, “JCWC is a successful organization because of the strong relationship they have with communities, not many youths like me are lucky enough to get the opportunity to learn and get knowledge about the world they are living in. I will always carry the knowledge I learned with JCWC and share it with others. I’m truly blessed and inspired to come across an organization like JCWC and will forever remember the great laughs Adrienne and I had. The more knowledgeable

*(Continued on page 2)*

## 20th Annual Watershed Wide Results!

We are so excited about the results of our 20th Annual Watershed Wide Event on Saturday, March 3, 2018! It was a beautiful sunny day, with many community partners and groups joining together. Everyone got their hands dirty to leave a lasting legacy improving the health of the watershed from Boring down through Milwaukie. We did this through planting native plants, removing invasive species, and even salvaging native plants.

Residents of our watershed love their urban creek—and the 20th Watershed Wide Event was an incredible testament to the spirit of grassroots community activism and ecological restoration. Here’s what we accomplished together:

- 450 volunteers came to help!
- 6,400 native plants were planted
- 1.5 trailers of ivy removed (and acres of other invasives!)
- 100 plants salvaged (to be replanted after a construction project at next year’s Watershed Wide)
- Tons of great costumes for the silly costume contest-you rock!
- 40 pizzas eaten
- Sunny weather and an all-around great day!

This event began in 1999 after former Governor Kitzhaber created the Oregon Plan for Salmon and Watersheds to prevent the listing of coho salmon on the Endangered Species List. One of the biggest threats to coho and other salmonids in the Metro area—and throughout much of Oregon—is high stream temperature.

*(Continued on page 3)*



## Moving Parts

Graphic: Kyung Lee; Base imagery: Google Earth



At the end of June we moved our office from the North Milwaukie industrial area to the Woodstock neighborhood in Southeast Portland. The move was a huge operation and we were fortunate that so many volunteers helped. Over a span of about 20 years we occupied two industrial office spaces, both leased to us gratis. For this we are grateful to the Oregon Worsted Company and its owners Nancy and Howard Dietrich for that huge contribution!

As we are now in a much smaller space, we had to downsize. This meant two U-Haul loads to the dump, one load to Deseret Industries (similar to Goodwill), and quite a bit of material was recycled. We purchased a shipping container for our volunteer stewardship activities. A big thank you to Portland Bureau of Environmental Services for allowing us to park our container on one of their sites for the next few years. Treecology, Inc has also donated space for us to store more of our equipment. Thank you Treecology!

Our new office is on the second floor of the All Saints Episcopal Church at 4033 SE Woodstock. We have a three year lease here. The move proved to be a great opportunity for staff and volunteers to learn new skills, as we removed old carpets, painted walls and doors, installed new flooring and baseboards.

Our office entrance is located at Keiter Hall under a small porch at the corner of SE Woodstock and 41st. Ring the doorbell and we'll come open the door. We're holding an open house on Friday, September 21 from 5pm-7:30pm, including a short history of Johnson Creek by Steve Johnson. We hope you can join us!

-Daniel Newberry, *Executive Director*

## THANK YOU SPONSORS



## Bilingual Nature Johnson Creek

(Continued from page 1)

people become and more love they give to the world the more love earth will give back to us.”

We are thankful to the partner organizations mentioned above for help recruiting the interns and for their support throughout the pilot year of BNJC. Funding for this program was generously provided by the Collins Foundation, as well as East Multnomah Soil and Water Conservation District, Meyer Memorial Trust, and an anonymous private donor. Their contributions towards a more equitable and inclusive future are much appreciated, and have already made a positive impact on our Bilingual Nature Interns and their communities. We invite you to learn more about our hopes to make our programs and community engagement efforts serve all residents of the watershed at [jcw.org/equity](http://jcw.org/equity). If you or anyone you know is interested in future internships or other opportunities to get involved with our equity, diversity and inclusion work, please contact Adrienne at [adrienne@jcw.org](mailto:adrienne@jcw.org).

## NEW GRANTS

**East Multnomah SWCD** – (\$76,666) – This funds five projects: Kelley Creek Fish Passage, Mitchell Creek Temperature and Fish Passage Improvement, Community Science, Equity programs, General Support.

**Clackamas Water Environment Services** – (\$18,035) – Funding for: Watershed Wide Event, Creek Cleanup, Service learning with schools, one Science in the Park event, Stormwater outreach.

**Community Watershed Stewardship Program** – Portland Bureau of Environmental Services, \$5,819 – Creek Cleanup.

**Portland General Electric Foundation** – \$5,000 – Volunteer Stewardship.

**Oregon Watershed Enhancement Board** – \$88,709 – North Fork Johnson Creek at Hwy 26.

**Oregon Watershed Enhancement Board** – \$85,893 – Mitchell Creek Temperature and Fish Passage Improvement.

**Herbert A. Templeton Foundation** – \$6,000 – Service Learning with Schools.



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Nineteen years later, our organization and many other public and non-profit agencies have made huge investments in reforesting streams, wetlands, and other natural areas to provide much-needed shade in Portland. As our climate continues to heat up, stream shading becomes ever more important in the effort to cool our streams so they can continue to be salmon-friendly. This is especially important because Johnson Creek is the only free-flowing stream in Portland that has a population of salmon.

Thanks to all of the groups who came out to participate: Rotary Club of Clackamas, Portland General Electric, Grant High School, Springwater Community, Otter Scout Den, Eastridge Church, Boy Scout Troop 740, Arcadis Design and Consultancy, American Heritage Girls 0613, Bullseye Glass, Angeli Law, Girl Scouts, Treecology, Cub Scout Pack 6, and New Seasons Woodstock.

Thanks to our amazing photographers and videographers Bruce MacGregor, Carol "Caz" Zyvatkaukas, David Pickar, Gary Wolff, Lee Deutsch, Dakota Hufford, Alexio Avila, Miranda Beck, William Floor, Sam Friedman, Lloyd Vivola, Michael Pouncil, and Sherry Klein.

And a big huge thanks again to our partners for making this event possible: The Mintkeski Family Fund of the Oregon Community Foundation, Clackamas County's Water Environment Services, Portland Parks & Recreation, City of Gresham, Friends of Trees, East Multnomah Soil & Water Conservation District, Crystal Springs Partnership, Friends of Tideman Johnson, Friends of Powell Butte, Freeway Land, Overland Park Coalition, SOLVE, and Green Lents.



*Twentieth Annual Watershed Wide volunteer prepares bare root vegetation for planting. Photo: Carol "Caz" Zyvatkaukas*

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# Ponds in the Stream—Boon or Bane?

- Chuck Lobdell, JCWC

*Chuck taking a temperature reading at Cottrell pond outlet.*

For many of us, ponds might conjure up childhood memories of a local swimming hole; for others, it's a vital part of providing water for agriculture. From a fish-eye view, ponds may be a place to rest and seek refuge from predators...or a source of deadly, hot, low-oxygen water in the stream. Ponds can take many forms, and which form they take—and how they are formed—can have profound impacts on how they affect a stream.

The first distinction is whether the pond is “offline” or “inline.” Offline ponds are outside of the main body of a stream; an inline pond, by contrast, is one that is part of the stream channel. These can range from huge reservoirs like Lake Mead, to small irrigation ponds, to ponds created by beaver activity. Ponds that form due to landscape features, or behind beaver dams, may behave differently from those made by humans. Human-made ponds might be the result of a dam or other obstruction, like a narrow culvert that doesn't allow enough water to pass through. These can be passage barriers, which prevent fish from getting upstream for all or part of the year.

The way water leaves a pond is also important to consider: Some dams allow water to flow over the top, while others may have different outlets or releases. This difference—along with whether the pond or reservoir gets mixed—can have a significant impact on stream temperature.

If you've jumped into a body of water, you've probably noticed that it feels warm at the top, and cooler as you go down. Because warm water is less dense than cold water, it “floats”

at the top, while cooler water sinks. This is called “thermal stratification.” Ponds that don't mix much become stratified; for ponds that outlet from the top to the stream in some way, this means that the water coming out downstream of the pond might be significantly warmer than the water going into the pond at the upstream end. JCWC documented one pond in the watershed where the downstream temperature was up to 14° C (25° F) higher than that of the water coming in!

On the other hand, ponds can provide benefit to fish. Thermal stratification might mean reliably cool water at the bottom of the pond, providing a refuge for cold-water fish like salmon, and slow-moving water means they expend less energy swimming (provided they can access the pond). Beaver dams are often porous, allowing some cool water to come out downstream (and providing passage to fish). Some human-made dams may be constructed with a bottom outlet, meaning that the cool water from deep in the pond is what is released.

JCWC has mapped the locations of inline ponds in the watershed; we are doing a pilot study this summer to learn about a few of these, and what impacts they may be having on stream temperature. We've placed continuous temperature loggers above and below eight ponds in the watershed, which will provide data for the whole summer and early fall. By learning which ponds are adding the most heat to the creek, we hope to be able to prioritize future restoration work.

Stay tuned for results!



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## Farewell, Alexis

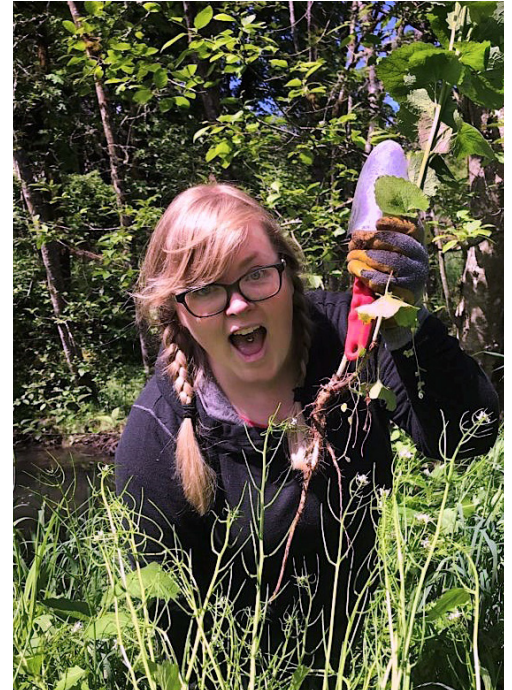
Alexis has been with Johnson Creek Watershed Council as a Confluence AmeriCorps member since Fall 2016. She's done two service terms, from 2016-2017 and 2017-2018. She's finishing up at the end of July! Throughout her time at JCWC, she's supported our Riparian, Volunteer, and Community Science programs, as well as facilitated service learning trips with schools. Here's a farewell note from her:

*I don't even know how to start this message! My time with the council has been invaluable for me both personally and professionally, and I'm filled with gratitude when reflecting on all of the opportunities and experiences I've had here. Being part of a team that has fun, helps each other out, and ultimately does good and brings people together has been phenomenal. I have loved so much of what I've gotten to do!*

*Some highlights have been... participating in JCWC's organizational self-assessment and developing the Equity Action Plan; learning how to make eye-catching flyers; wading (and maybe falling) in the creek in advance of community science surveys; watching kids experience moments of discovery with macroinvertebrates; spending time in the field making friends and planting trees with Wisdom of the Elders; seeing hordes of people come out for our largest annual events; continuously learning about riparian plants with Noah; finding salamanders and frogs out near the creek; watching one-time volunteers grow into key community members we can call on; working in the snow alongside NCCC AmeriCorps Team Green 2; shopping for Watershed Wide costumes with Courtney; successfully convincing strangers that lamprey are cute and charismatic... the list goes on!*

*Getting to know Johnson Creek Watershed Council's community –from students, volunteers, staff at partner organizations, and so on– has been so very special. I'll be around at volunteer events, but please don't hesitate to reach out if you want to stay in touch another way!*

*Take care - Alexis*



## THANK YOU SPONSORS



# Metro



## Welcome Adrienne

This March, Adrienne Moat joined the Johnson Creek Watershed Council team as our Community Outreach Coordinator! We are happy to welcome Adrienne from her previous position as a Development Assistant working at the Native American Youth and Family Center (NAYA). As Community Outreach Coordinator, Adrienne keeps the wheels turning on JCWC's efforts to be more equitable, diverse and inclusive. She has also taken over the JCWC Community Science, Bilingual Nature, and Internship programs; and assists with Workforce Development, tabling outreach, and public presentations.



Adrienne's relationship with JCWC began in early 2017 when, as an intern with the Wisdom of the Elders (WOTE) organization, she participated in a Lamprey Survey in Crystal Springs. As a Workforce Development Intern with WOTE, Adrienne had the opportunity to learn a holistic approach to

environmental assessment and restoration by employing both Traditional Native American Ecological Knowledge (TEK) and Western science. Not only did this strengthen her identity as a young Native woman, it provided her with the chance to work hands-on with restoration of some of the incredible natural areas in what we now call Portland. Her experiences have exposed her to environmental sector career pathways, working in non-profits, and have helped her build professional connections with organizations like JCWC, the Metro Native Plant Center, Friends of Trees, Coalition of Communities of Color, Portland Parks & Recreation, and more.

Having grown up in Portland, Adrienne's interests in cooking, yoga, and gardening began at a young age. She is still an active member of the Wisdom Workforce, LLC crew, as well. This year she was a cohort member of Oregon LEAD, a year-long leadership and professional training program that is a part of the Coalition for Communities of Color's Bridges Initiative, housed at NAYA. She hopes to honor her heritage and her knowledge of TEK by drawing on her experiences with WOTE and NAYA, while making new and meaningful connections with the many diverse communities throughout the watershed and Greater Portland.

## THANK YOU SPONSORS



Photo: Gary Wolff



Photo: Carol "Caz" Zyvatkaukas



# Freeway Land II



Thank you, Johnson Creek Watershed Council, for all of your great work restoring the watershed and inspiring our community!

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## 2018 Winter & Spring Interns

Our interns make our work possible, doing so many things including spreading the word about JCWC, supporting events, acquiring donations, and entering the data that makes the volunteer program run like a well-oiled machine.

THANK YOU TO OUR INCREDIBLE INTERNS!

**Amanda Holmes:** A Fisheries and Wildlife student through Oregon State University, her focus is on sustainability, ecology, conservation and management application. Amanda supported our outreach efforts for Watershed Wide as a watershed engagement intern.



**Ceana Pacheco:** An Environmental Studies student at Portland State University Ceana has also worked on research projects with the USDA. Ceana supported our outreach efforts for earth day, watershed wide, science talks, and managed our donations acquisition work for the winter and spring.

**Michelle Faulkner:** An Environmental Studies student at Portland State University, Michelle rocked our social media internship in the spring. She managed our annual celebration social media campaign and developed a new educational campaign on DIY watershed conservation methods. Aside from her social media duties, she never missed an intern shift, attended every weekend event, and also managed donations acquisition!!! Rock on, Michelle!



**Tyler Clouse:** In a career shift from environmental consulting management for telecommunications projects, Tyler is interested in pursuing environmental outreach and education. He explored the nonprofit side of conservation with us at the council, supporting our outreach efforts for watershed wide as a watershed engagement intern.



**Robyn Apley:** Creating her own major, Art and Ecology, at the Pacific Northwest College of Art, Robyn is interested in the inter-connectivity of water, biota, and humans. She is our summer social media intern, incorporating her aesthetic and organizational skills with her passion for the environment. Also, she is helping our high school interns run the T-shirt art contest.



**Ana Arroyo:** A soon-to-be-sophomore at Reynolds, Ana is very open and outgoing, and can easily start conversation with anyone, in English or Spanish. . A dedicated member of the Lents Youth Initiative, she has strong convictions, and loves to take leadership. She has been supporting the council's clean up T-shirt art contest, connecting with local artists and spreading the word in the community.

**Jessica Mains:** A soon-to-be junior at David Douglas High School, Jessica is interested in communication and getting more involved in her community. A dedicated member of the Lents Youth Initiative, she has been supporting the council's clean up T-shirt art contest, connecting with local artists and spreading the word in the community.



**Devin Van Leuven:** Devin is currently a senior at Portland State University studying Environmental Science with a minor in Biology. As a Watershed Engagement Intern, he specializes in donations requests for our many volunteer and restoration events.

**Phuc Le Nguyen:** Phuc is a recent graduate of David Douglas High School and member of the Asian Leaders for Liberation of Youth group through the APANO Network. As a Bilingual Nature Intern, he successfully planned a Vietnamese/English tree maintenance restoration event at Powell Butte.



**Hannah Scruggs:** Hannah is currently a senior at Portland State studying Environmental Studies in hopes of pursuing a Masters in Wildlife Sciences and Conservation. As a Watershed Engagement Intern, she specializes in outreach focusing on volunteer recruitment for our 11th Annual Johnson Creek Cleanup.



**Abdulahi Abib:** Abdi was born in Somalia, and came to the US in 2014 and graduated from Jefferson high school in 2016. A current student at Mt. Hood community college, he plans to transfer to PSU in the fall of 2018 and is also an avid volunteer with the African Youth Community Organization. As a Bilingual Nature intern, Abdi successfully planned a restoration planting event at Powell Butte last December.



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**Lucero Perez:** Lucero is a soon-to-be Junior at David Douglas High School and a dedicated member of the Lents Youth Initiative. As a Bilingual Nature Intern, she successfully planned a Spanish and English nature walk through Leach Botanical Garden where she educated guests on how plants, people and bugs interact and communicate.



**Jess Tyler:** Jess received a BA in Philosophy in 2012 from Montana State University in Bozeman, and finished his MS in environmental science from Portland State University in June 2018. He has since served two AmeriCorps terms with the Montana Conservation Corps and the National Civilian Community Corps. As a Lamprey Data Entry Intern, he works to interpret data collected from the JCWC Community Science program and to



find new interesting ways we can share this data with the public and our partner organizations on- and offline.

**Rita Serralta:** Rita is a soon-to-be Junior at St. Mary's Academy, where she was recently awarded a leadership medal. In the future she would love to be an immigration lawyer. As a Bilingual Nature Intern, she successfully planned a Spanish & English seed planting and nature walk at Leach Botanical Garden.



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# Thank you Moda!

We would like to express our gratitude to Moda for printing our newsletters.





# Johnson Creek Watershed Council


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## Upcoming Events

Find details, registration, and more at our online Events Calendar: [www.jcwc.org/events-calendar](http://www.jcwc.org/events-calendar).


 **Science Talk @ Gresham**  
Thu, September 13th, 6:30 PM - 8:30 PM  
Details TBD


 **Restoration Work Party @ Errol Heights Park**  
Sat, September 15th, 9 AM - 2 PM


 **Science in the Park, @ Mill Park in Milwaukie**  
Sun, September 16th, 12 PM - 2:30 PM

 **JCWC Board Meeting**  
Tue, September 18th — *Open to the public!*  
Location TBD

 **Office Warming Party, @ NEW JCWC Offices on Woodstock Blvd.**  
Fri, September 21st, 5 PM - 7:30 PM


 **Creekside Scavenger Hunt, starting @ Tideman Johnson Park**  
Sat, September 22nd, 1 PM - 4 PM

 **Restoration Work Party @ Tideman Johnson Park**  
Sat, October 6th, 9 AM - 12 PM

 **Naturescaping Basics Workshop @ Lao Buddhist Center NW**  
Sat, October 13th, 9 AM - 1 PM

 **Restoration Planting @ Powell Butte**  
Sat, October 20th, 9 AM - 12 PM

 **Restoration Work Party @ Errol Heights Park**  
Sat, October 20th, 9 AM - 12 PM

 **NO IVY DAY @ Springwater Corridor Trail and SE 128th**  
Sat, October 27th, 9 AM - 12 PM



**Johnson Creek Watershed Council**

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**JohnsonCreekWC**



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Volunteer Coordinator

**Cathy Geiger**  
Operations & Finance Coordinator

**Noah Jenkins**  
Riparian Program Manager

**Chuck Lobdell**  
Restoration Project Manager

**Adrienne Moat**  
Community Outreach Coordinator

**Daniel Newberry**  
Executive Director

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