

# Johnson Creek Watershed Council

# 2021

*Annual Report*





# Fish Passage In North Fork Johnson Creek—A Six-Year Journey

In 2015, we identified North Fork Johnson Creek as a cold water tributary that was blocked for spawning salmonids by seven partial or complete fish passage barriers.

The Council partnered with many agencies to address all seven. East Multnomah Soil & Water Conservation District removed or replaced three culverts on their Headwaters Farm.

JCWC replaced or retrofitted four culverts, the final one under SE 267th Street in 2021.

In this project, pictured here, we installed the low-cost Flexi-baffles, a technology we pioneered on another North Fork culvert in 2018, the first such installation in the Western United States.



North Fork baffles being installed.

## Barrier #4 In The Kelley/Mitchell System: Check!



JCWC restored fish passage at a fourth location in 2021. A concrete footbridge crumbled and fell into Mitchell Creek downstream from Baxter Road years ago. We removed this debris, creating a clear path for salmonids.

In 2019 and 2020, we removed two culverts and one dam in this system, providing more cold water access for salmon and steelhead, providing a refuge from the impacts of climate change.

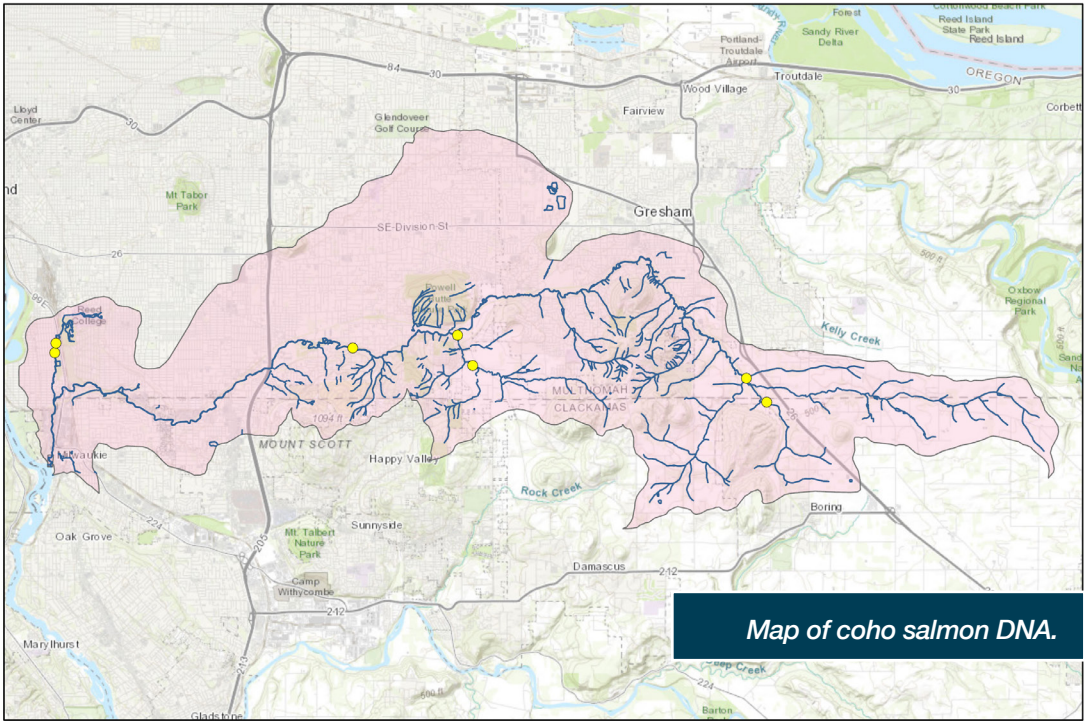
Before (left) and after (right) photos on Mitchell Creek of the concrete fish passage barrier.



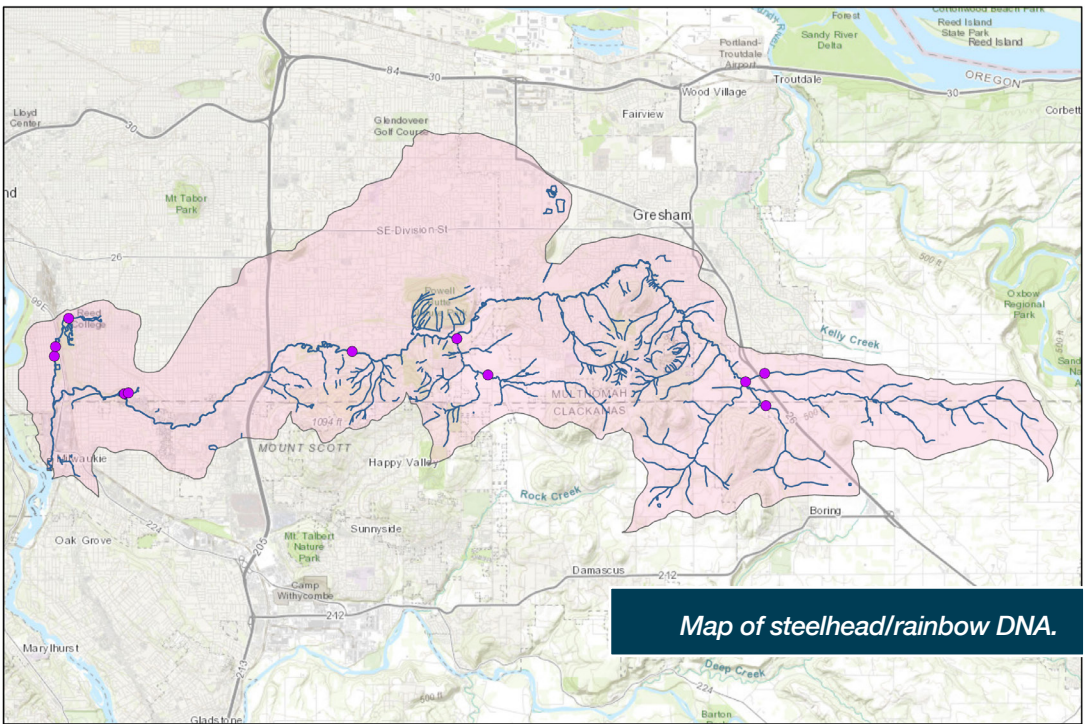
# Focus On Monitoring

After fixing fish passage barriers--removing or replacing dams and culverts--we need to ask, "Do the fish indeed swim upstream of the old barrier?" Traditional techniques such as visual surveys for salmon redds or post-spawned carcasses can miss a lot, especially because spawning season occurs during higher water when visibility is low. Electrofishing can be expensive and harm fish.

In the past two years, the Council has begun using environmental DNA testing. We run stream water through a special filter and send the filter to a lab. If we find DNA from the target species, we know it's above the old barrier. It is easy to miss DNA, so we sample at the same location over multiple years.



Map of coho salmon DNA.

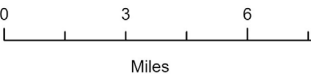


Map of steelhead/rainbow DNA.



### Legend

- Coho
- Steelhead
- JC\_streams
- JC Watershed





2021 Donors

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\$25,000 and above

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City of Portland, Bureau of  
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\$10,000-\$24,999

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Under \$1,000

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Wolf Water Resources

Community Partners

African Youth and Community  
Organization  
City of Gresham  
City of Milwaukie  
City of Portland, Bureau of  
Environmental Services  
City of Portland, Parks & Recreation  
Clackamas River Basin Council  
Clackamas SWCD  
Clackamas Water Environment  
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Crystal Springs Partnership  
David Douglas High School  
David Douglas School District  
East Multnomah SWCD  
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Friends of Tideman Johnson Park  
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Greater Oregon City Watershed  
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Leach Garden Friends  
Lents Youth Initiative  
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Multnomah County Road Services  
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Councils  
North Clackamas Watersheds Council  
Oregon Department of Environmental  
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Oregon Department of Transportation  
Portland General Electric  
Portland State University  
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U.S. Geological Survey  
Walker Emulsions  
Wetlands Conservancy  
Wisdom of the Elders  
Zenger Farm

2021 Donors

Individual Donors

\$500 and above

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of Noah & Lora's new  
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Abigail Marshall  
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Tim Martin  
Bill McCandless

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Diana Young  
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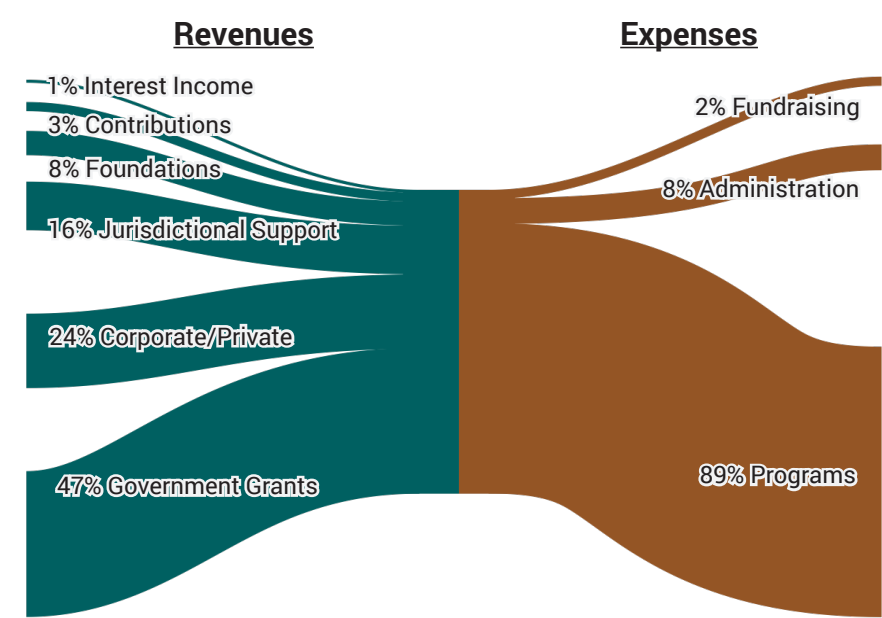
In loving memory of  
Katie Branson, who  
loved the creek and all  
its beauty:

Cara Biddlecom  
Janice Casil  
Paul Chandanabhumma  
Elizabeth Clark  
Sherry Larkins  
Stephanie Ly  
Steve Branson  
Kim Waite

\* = Monthly donor  
\* = Employer matching funds



Statement of Financial Position July 1, 2020 - June 30, 2021		
Assets	2021	2020
Cash	365,703	311,252
Prepaid expenses	4,175	3,903
Grants and contracts receivable	151,629	124,037
Beneficial interest in assets held by others	45,460	34,805
<b>Total assets</b>	<b>\$ 566,967</b>	<b>\$ 473,997</b>
Liabilities and net assets		
Accounts payable	55,264	21,674
Accrued payroll & taxes	9,128	6,949
Accrued vacation	44,527	37,316
Refundable advance - Paycheck protection program	60,861	51,050
<b>Total Liabilities</b>	<b>\$ 169,780</b>	<b>\$ 116,989</b>
Net assets		
Without donor restrictions		
Board reserve	66,258	71,716
Designated for endowment	25,120	20,484
Available for operations	194,098	93,093
Total without donor restrictions	285,476	185,293
With donor restrictions	111,711	171,715
<b>Total net assets</b>	<b>\$ 397,187</b>	<b>\$ 357,008</b>
<b>Total liabilities and net assets</b>	<b>\$ 566,967</b>	<b>\$ 473,997</b>



Statement of Activities		
Revenue and other support	2021	2020
Government Grants	422,136	242,171
Jurisdictional Support	141,579	114,820
Foundations	70,840	131,505
Corporate/Private	214,605	106,754
Contributions	28,338	68,575
In-kind contributions	-	-
Interest income	12,309	3,475
<b>Total revenue and other support</b>	<b>\$ 889,807</b>	<b>\$ 667,300</b>
Expenses		
Program Services		
Restoration/Riparian	439,462	337,163
Outreach	205,910	189,638
Monitoring	113,020	33,638
Total program services	758,392	560,439
Supporting services		
Administration	71,186	70,145
Fund-raising	20,050	18,558
<b>Total expenses</b>	<b>\$ 849,628</b>	<b>\$ 649,142</b>
<b>Change in net assets</b>	<b>40,179</b>	<b>18,158</b>
<b>Net assets, beginning of year</b>	<b>357,008</b>	<b>338,850</b>
<b>Net assets, end of year</b>	<b>\$ 397,187</b>	<b>\$ 357,008</b>

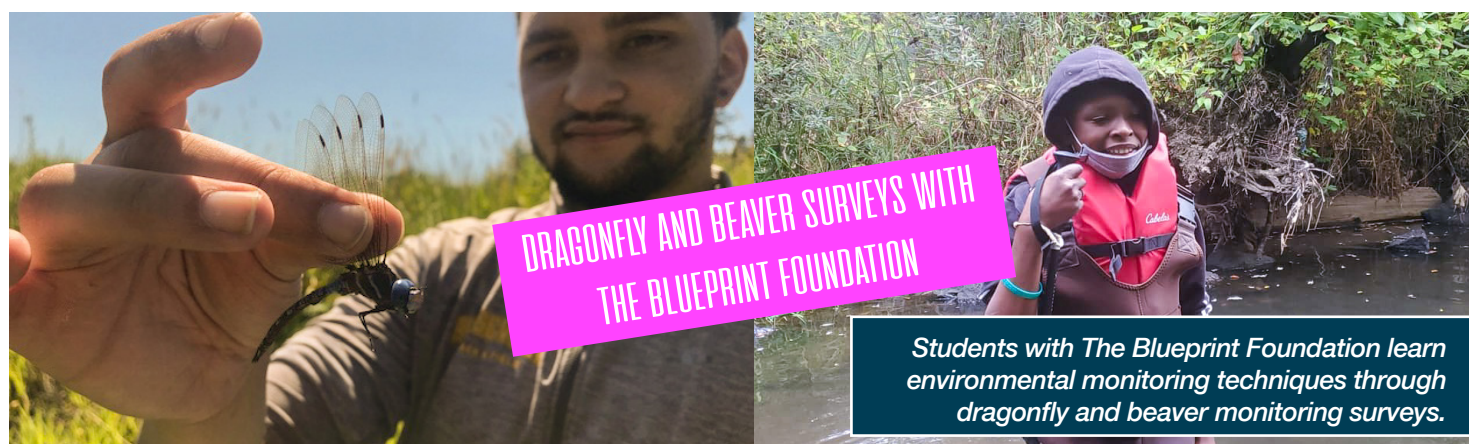
Advisory Circle	
<b>Bill Bakke</b>	President, Native Fish Society
<b>Earl Blumenauer</b>	U.S. House of Representatives
<b>Diane Boly</b>	Partner, Boly Welch, retired
<b>Robert Gootee</b>	President and CEO, MODA Health
<b>Mike Houck</b>	Executive Director Emeritus, Urban Greenspaces Institute
<b>Teresa Huntsinger</b>	Water Resources Engineer, OTAK
<b>Steve Johnson</b>	Professor, Portland State University
<b>Gary Klein</b>	Wells Fargo, retired
<b>Walt Mintkeski</b>	Environmental and Energy Efficiency Engineer, retired
<b>Jonathan Nicholas</b>	Vice President, MODA Health
<b>Bob Sanders</b>	Attorney, Wood-Tatum, retired
<b>Dick Schubert</b>	Chemist, retired

Annual report design by Kyung Lee (kyunglee971@gmail.com)

# Youth Education

Our usual service learning trips with schools were not possible due to pandemic-related restrictions. To adapt, we worked with nonprofits that served kids in after-school and weekend programs.

Many of these events were held at Leach Botanical Garden with help from Leach Garden Friends. A big thank you to the following groups that made this possible during a challenging year: African Youth & Community Organization, The Blueprint Foundation, and Play-Grow-Learn.



# JCWC Board & Staff

Board of Directors	JCWC Staff
<p><i>In 2021 we welcomed Jacob Neal and Denise Lopez. We said farewell to Sarah Sapienza, Dick Schubert, Samantha Sharka, and Charlotte Trowbridge.</i></p> <p>Andrew Brown (EMSWCD), Marianne Colgrove, Tim Crawley (Chair), Peregrine Edison-Lahm (Vice Chair), David Gruen, Svetlana Hedin (City of Portland BES), Katie Holzer (City of Gresham), Roy Iwai (Multnomah County), Melanie Klym, Denise Lopez, John Nagy (Clackamas WES), Jacob Neal, Bruce Newton, Sarah Sapienza, Mary Ann Schmidt, Dick Schubert, Samantha Sharka, Charlotte Trowbridge</p>	<p><i>In 2021 we welcomed Gwyn Case and Elizabeth Brosig and said farewell to Katherine Charney, Chuck Lobdell, and Tiffany Mancillas.</i></p> <p><b>Courtney Beckel</b> - Volunteer Program Manager  <b>Elizabeth Brosig</b> - Restoration Project Manager  <b>Gwyn Case</b> - Outreach &amp; Riparian Specialist / Confluence AmeriCorps Member  <b>Cathy Geiger</b> - Operations &amp; Finance Coordinator  <b>Noah Jenkins</b> - Riparian Program Manager  <b>Daniel Newberry</b> - Executive Director</p>





**6.4  
tons**

*of garbage removed  
from Johnson Creek  
during the annual  
Creek Cleanup by 214  
volunteers*



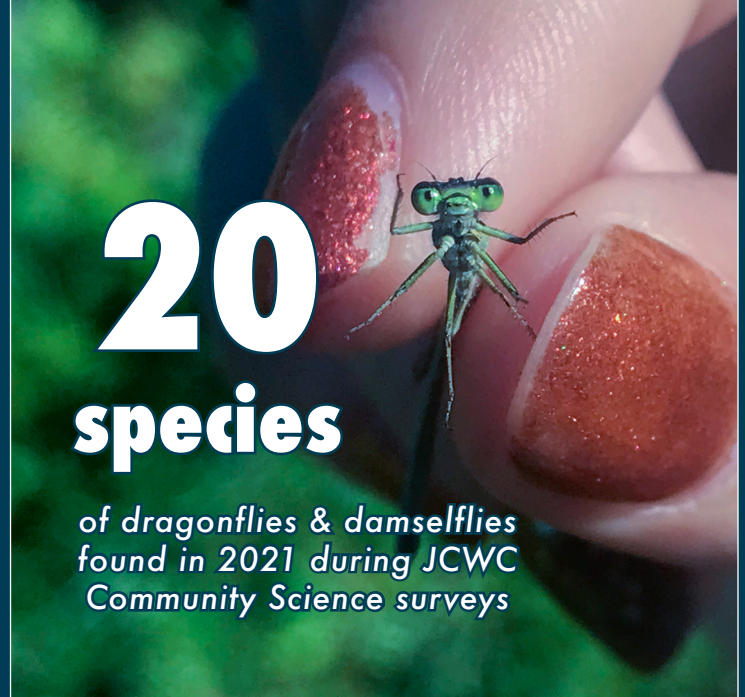
**7  
barriers**

*limiting fish passage  
addressed by JCWC  
and EMSWCD on  
North Fork Johnson  
Creek since 2017*



**4,500  
native trees & shrubs**

*planted at the  
Watershed  
Wide Event*



**20  
species**

*of dragonflies & damselflies  
found in 2021 during JCWC  
Community Science surveys*



**111.6  
degrees  
Fahrenheit**

*air temperature recorded  
by a JCWC temperature  
probe in the riparian forest  
on Johnson Creek at Leach  
Botanical Garden during the  
June heat dome event*

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Carl Wikman

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Marianne Colgrove

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