

# Six years, seven culverts: Restoring fish passage in North Fork Johnson Creek

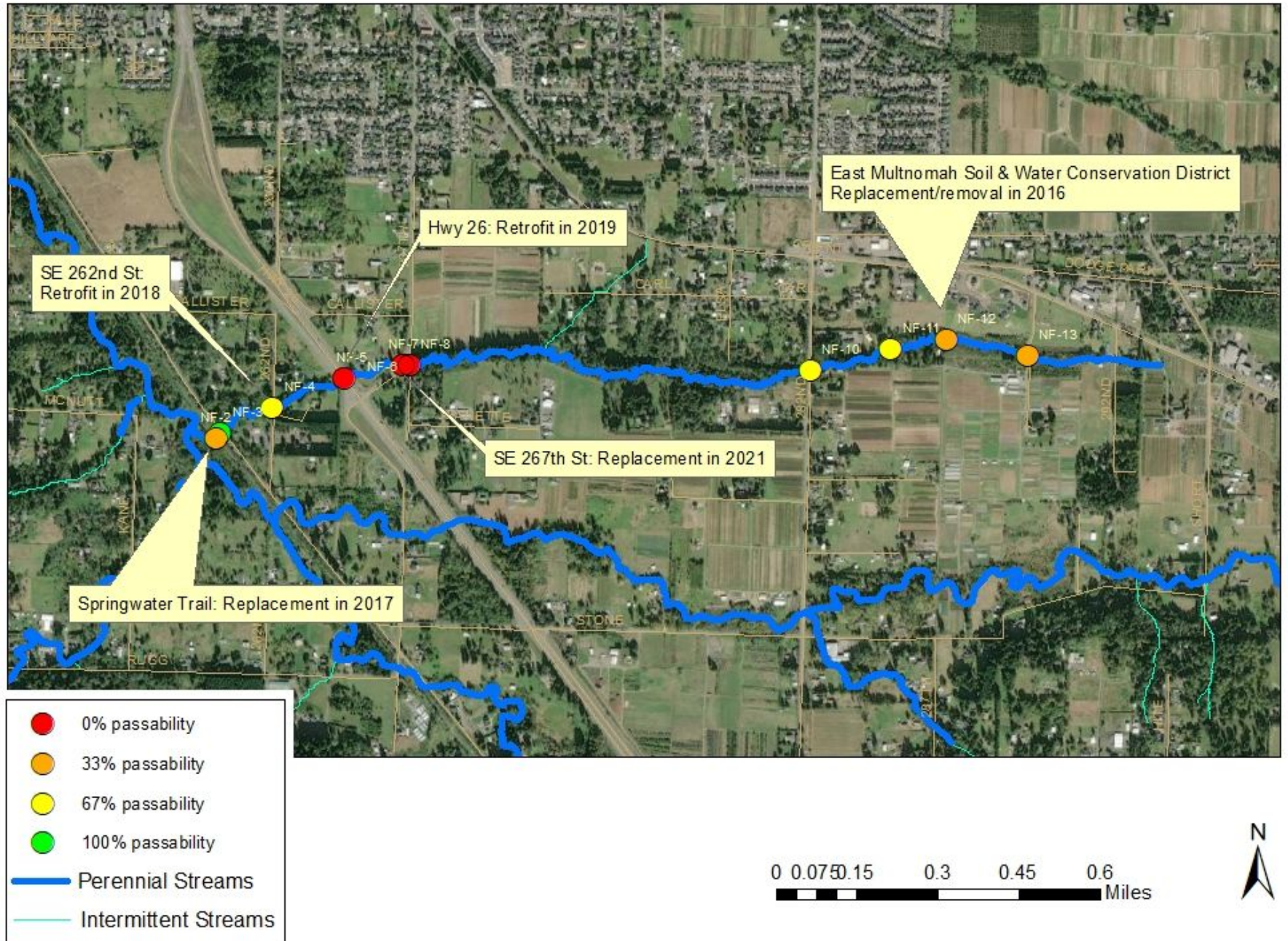


Daniel Newberry, Johnson Creek Watershed Council

October 18, 2021

7<sup>th</sup> Annual Johnson Creek Science Symposium

# North Fork Johnson Creek Culverts



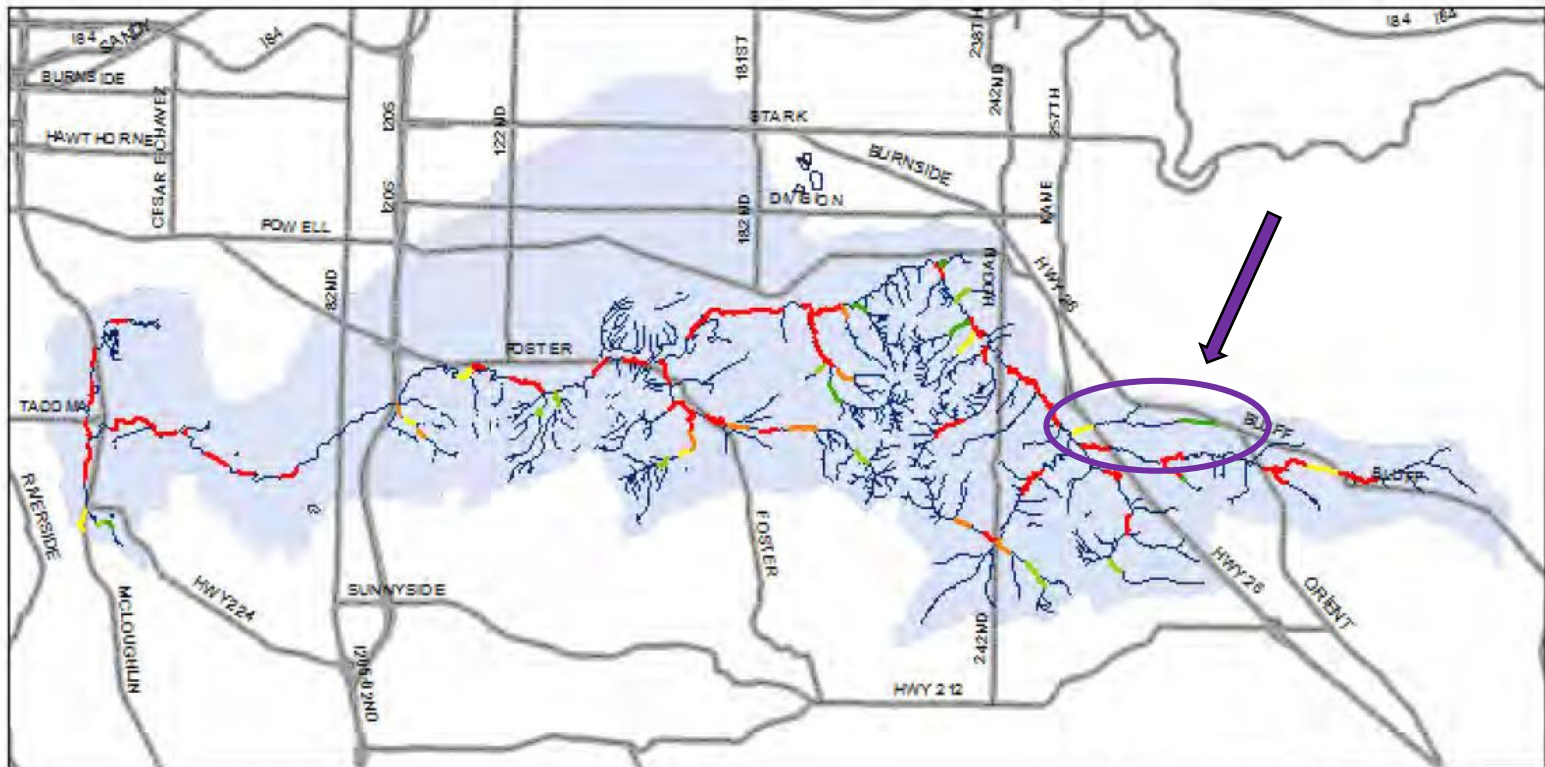
## Summer Temperature Exceedances 2009-2014 Max # of Days July-August over 18.0 Deg-C

### Days

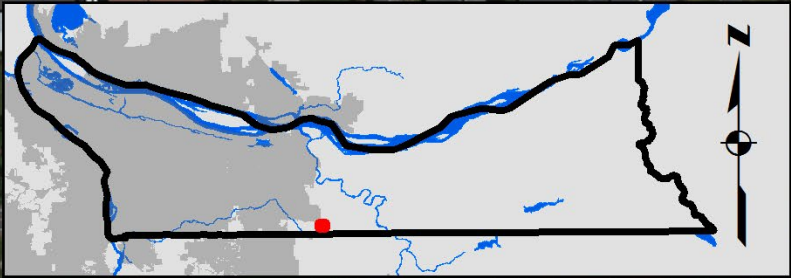


Major Arterial Roads

Johnson Creek Watershed



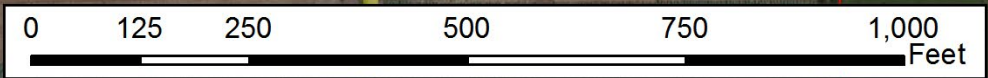
Headwaters Farm – East Multnomah SWCD



West Culvert

Middle Culvert

East Culvert



# East Culvert Pre-project



# East Culvert Post-Project



# Middle Culvert







# West Crossing-Pre-Project



# West Crossing-Post-Project



2017: Springwater Trail  
Owner: Portland Parks & Recreation



2017 Springwater Trail culvert  
Post-Project: 12-foot squashed culvert



2018: 262<sup>nd</sup> St. Culvert  
Owner: Multnomah County



Flexi-baffle (a.k.a.) New Zealand Baffle



1<sup>st</sup> Installation in West U.S.



262<sup>nd</sup> St Culvert with baffles  
Post-project, 6 months later, high flow



262<sup>nd</sup> St Culvert with baffles  
Post-project, 1 year later, low flow





Pre-Project



2019: Hwy 26 Culvert  
Owner: OR Dept. of Transportation

Post-Project

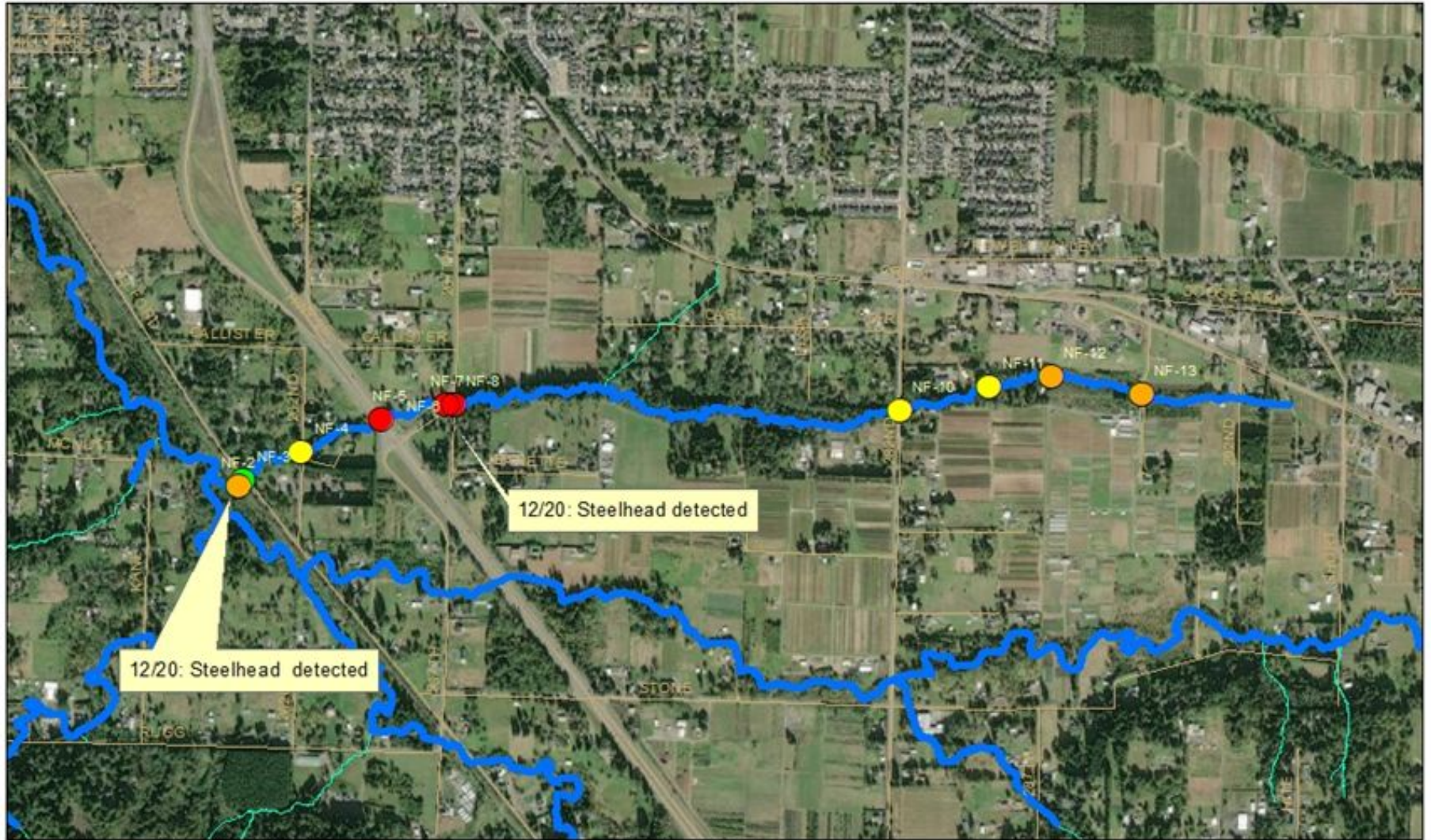




2021: 267<sup>th</sup> St Culvert Owner: Multnomah County



# eDNA Results - North Fork Johnson Creek



0 0.075 0.15 0.3 0.45 0.6 Miles



Thank you partners & funders!

