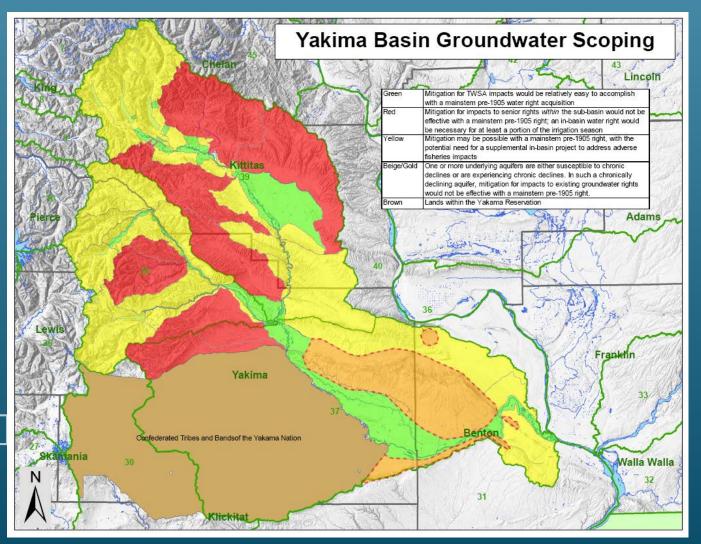


Context - 2012 and 2014
<ul> <li>Looming need to address issue of exempt wells vs. impairment of existing rights</li> </ul>
<ul> <li>Triggers could be (one or more):</li> <li>Petition to close basin due to impairing senior rights</li> </ul>
<ul> <li>Change/removal in exempt well statute</li> <li>GMA, Comp Plan or SEPA challenge of a development permit</li> </ul>
<ul> <li>Comp Plan Update "legal and physical availability"</li> <li>June 2017</li> </ul>
— New GMA litigation re: "Protectinggroundwater resources".
• Ideally, all triggers are addressed in Program.

Lucky us. Honestly. County currently operate 29 water systems as utilities Kittitas Example - pluses and minuses Yakima Basin has: Water Rights Adjudication and existing Water **Banks and Markets**  Well educated decision makers and history of cooperation Favorable Geology Technical Expertise all the way around

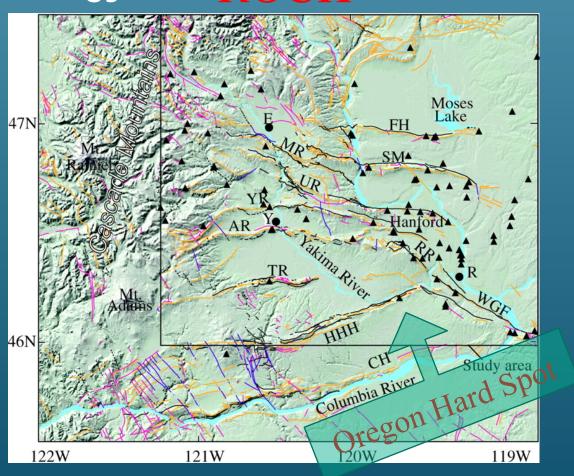
## **Groundwater Mitigation Suitability Map**

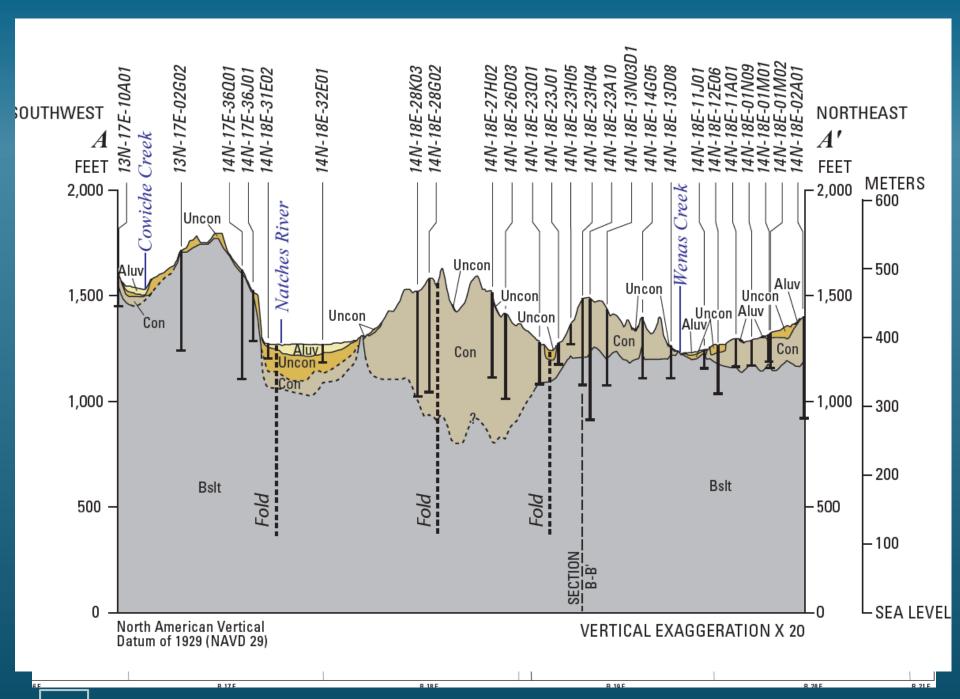


### Water Resources Cooperation

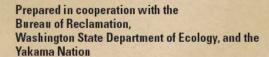


# Geology ROCK















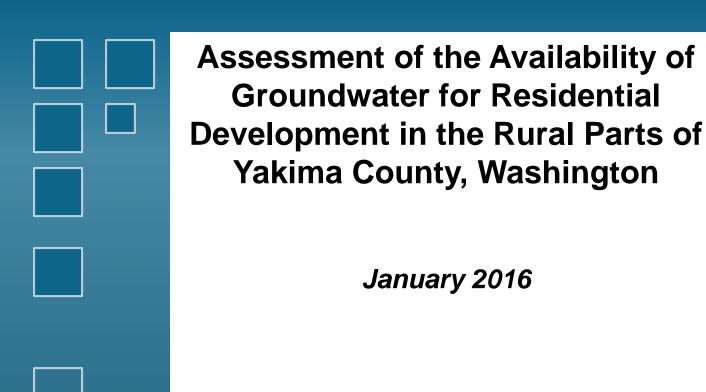
#### **Numerical Simulation of Groundwater Flow for the** Yakima River Basin Aquifer System, Washington



Scientific Investigations Report 2011–5155

U.S. Department of the Interior U.S. Geological Survey

YCWRS Elements
<ul> <li>County Water Utility per (RCW 36.94.020) holding Municipal Rights (RCW 90.03), serving Rural Domestic Use (GMA)</li> </ul>
<ul> <li>Rural Domestic Use is the use of up to 350 gallons per day, from a single user well or small group B system, where water is recharged on-site with a septic system.</li> </ul>
• Supply of Utility water is limited to the defined rural domestic use, water use contract is linked to well construction (including location, depth, metering), zoning, and extension of urban utilities.

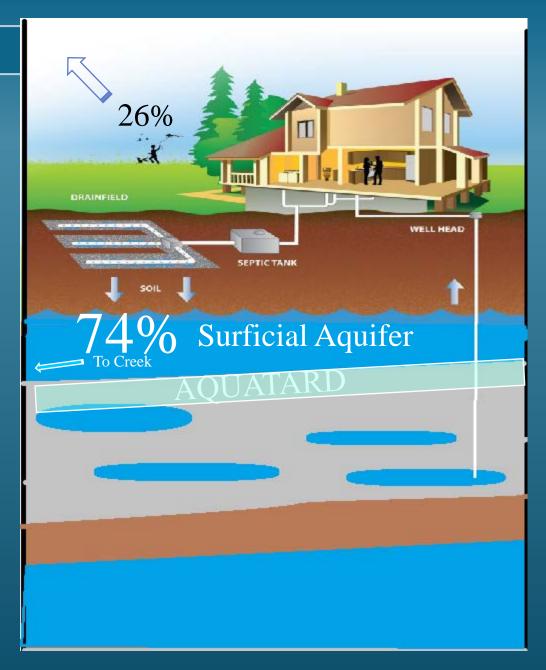


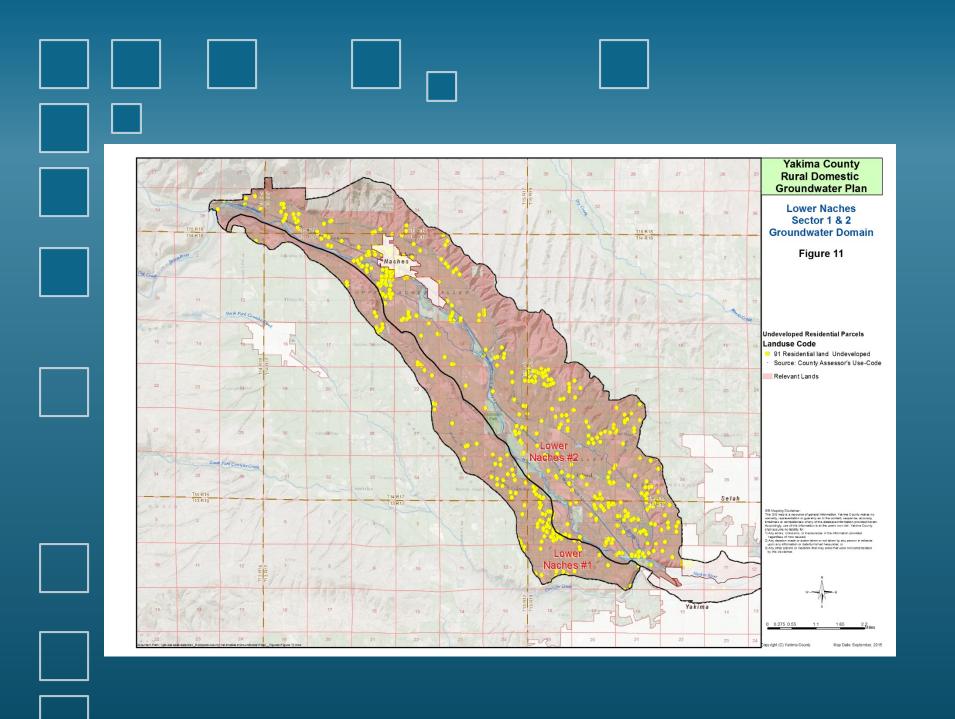
John Vaccaro, Vaccaro G.W. Consulting, LLC

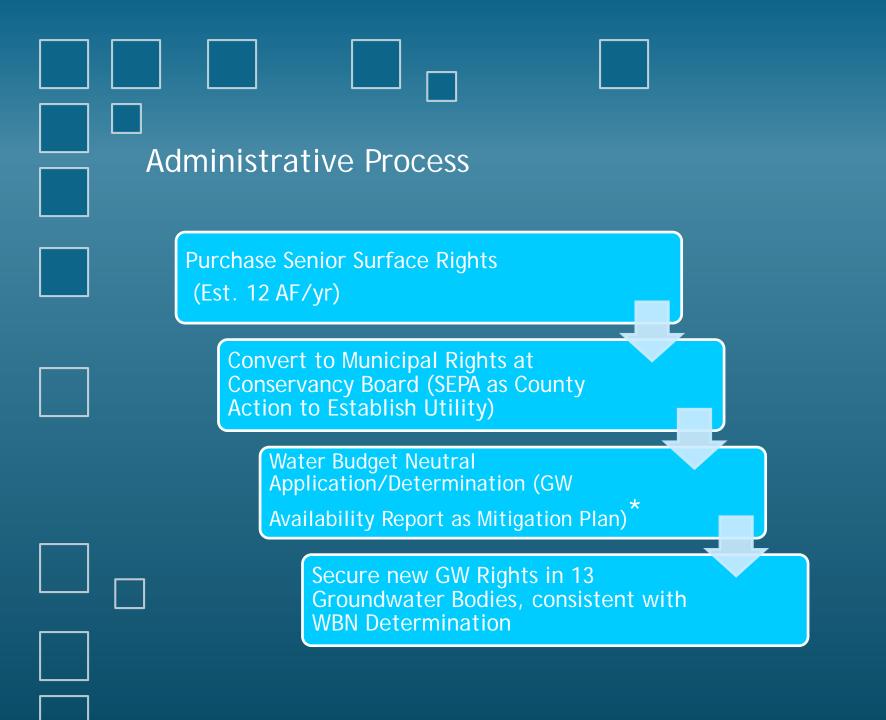
(Under Contract by Yakima County)
For Technical Analysis and Assessment of Groundwater
Mitigation Strategies



Tribs (No Market)
Mainstem (Market)
Declining Basalts







(Wishing and good intentions don't make it so...) This all takes time, probably cannot complete by Comp Plan Adoption (June) Complete WBN Determination and open store prior to all GW permits? (Transition from Exempt Well Statute with mitigation to full Utility)





## Questions?