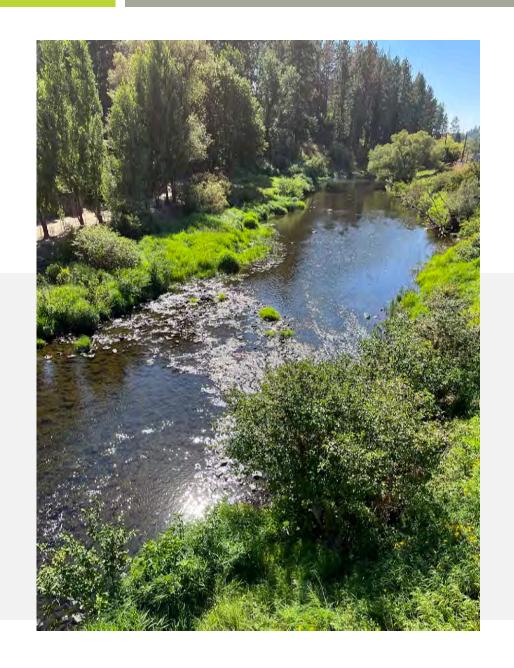
Palouse Basin Regional Planning

Eastern Washington Water Law Conference Spokane, WA

May 15, 2024

Robin Nimmer, PhD, LG, PG





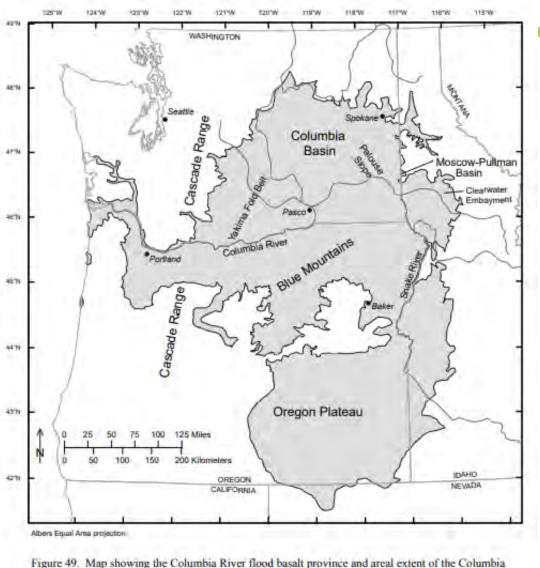
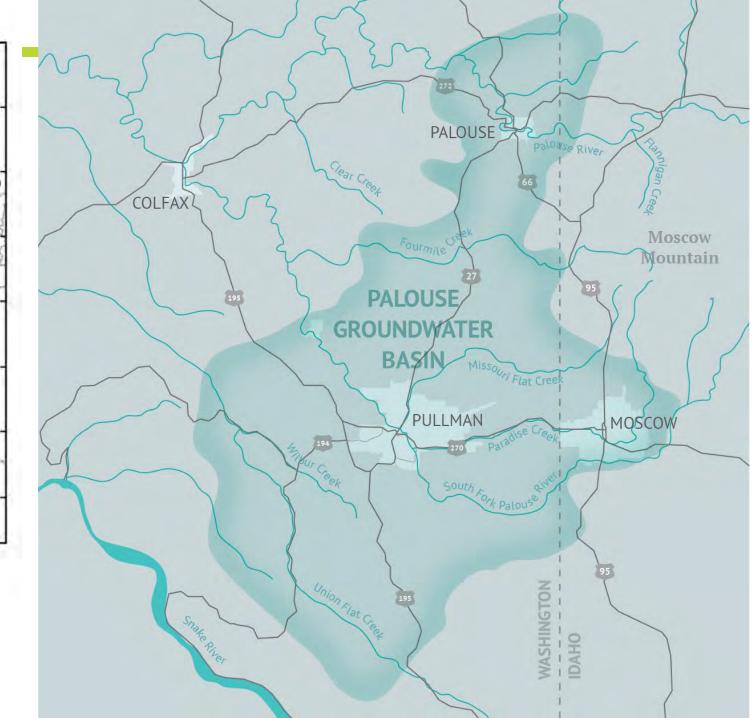
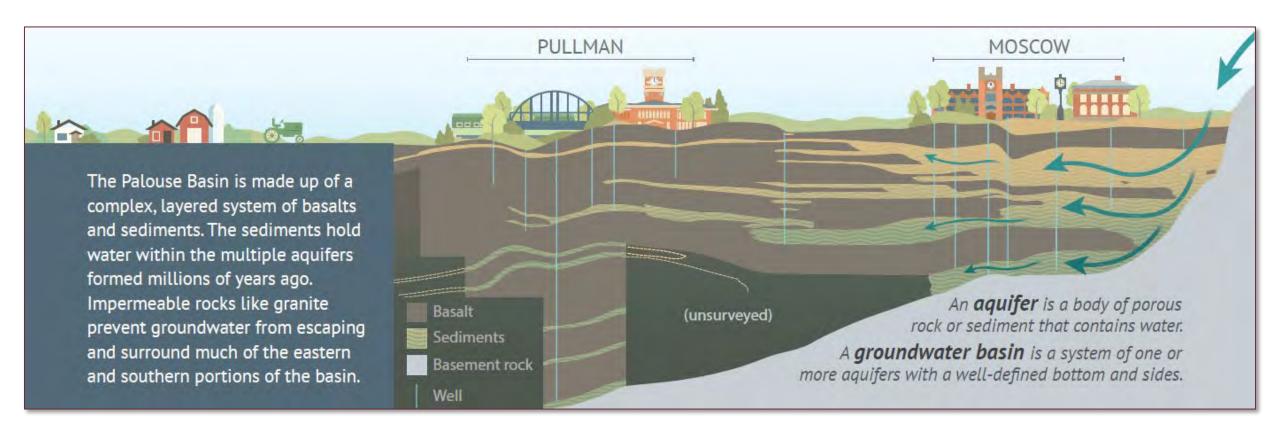
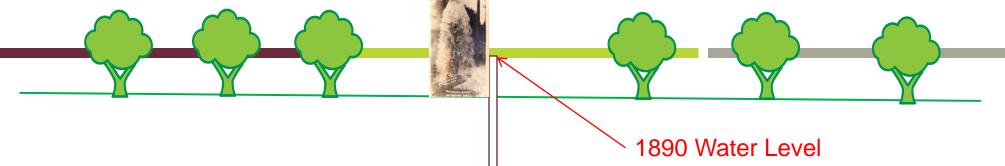


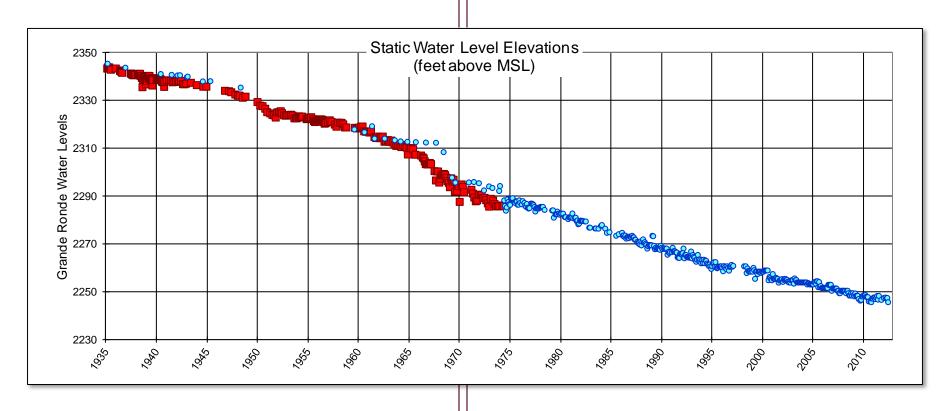
Figure 49. Map showing the Columbia River flood basalt province and areal extent of the Columbia River Basalt Group (gray, modified from Reidel and others, 2013 and Ludington and others, 2006 [2007]) and other major physiographic features (from Bush and others, 2016, Figure 1.)

Bush et al. 2018 ttps://www.idahogeology.org/product/t-18-3









2023 Water Level

PALOUSE BASIN AQUIFER committee











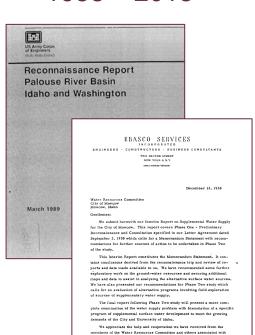






WATER SUPPLY ALTERNATIVES TIMELINE

1958 - 2013



2015 - 2017



2017 - 2020

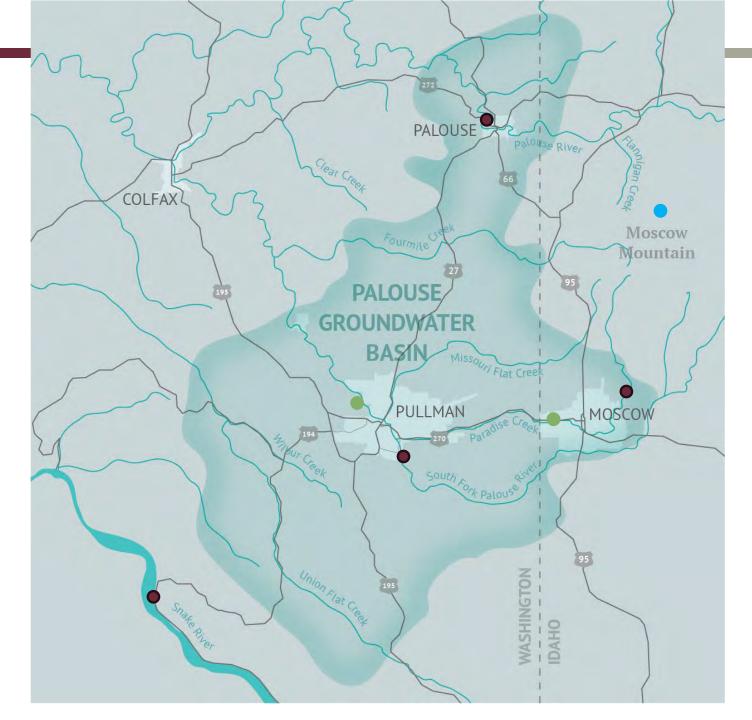


2020 - 2022



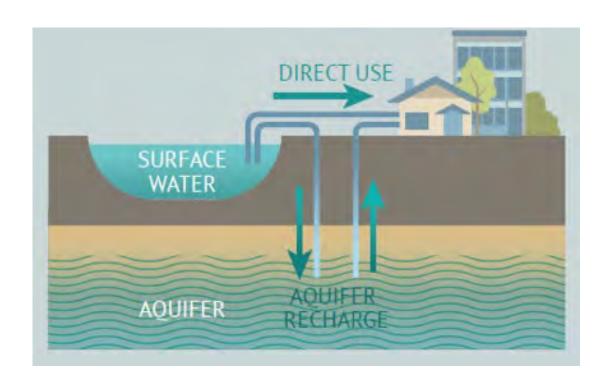






- Diversion
- Treated wastewater
- Reservoir

SOURCE USES









Paradise/South Fork Direct Use:

This project involves diverting water from Paradise Creek and the South Fork of the Palouse River to supply the communities of Moscow and Pullman. New facilities will collect and treat the water before directing it into existing city water systems. In addition to these direct use projects, additional conservation measures will be implemented with a goal to use 15% less water than currently being used.



paradise Creek

MOSCOW

PULLMAN

Direct Use of Paradise Creek
Surface water would be
diverted from Paradise Creek,
treated, and then conveyed into
the existing municipal water
system for Moscow and UI.

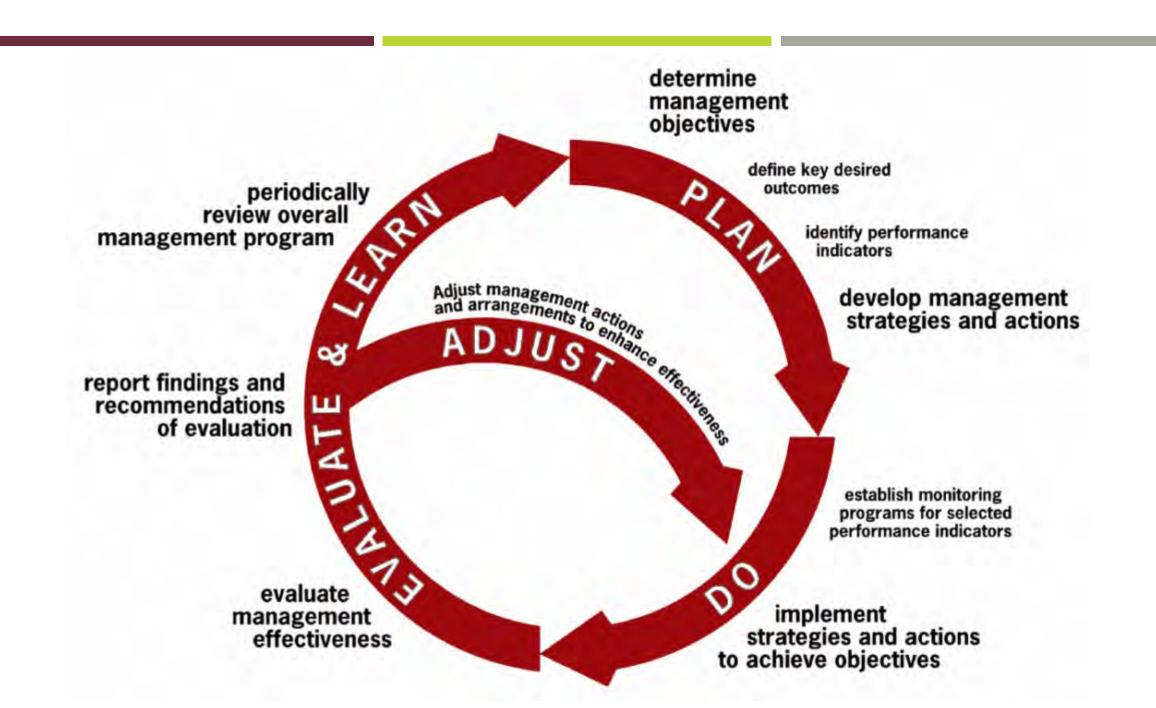


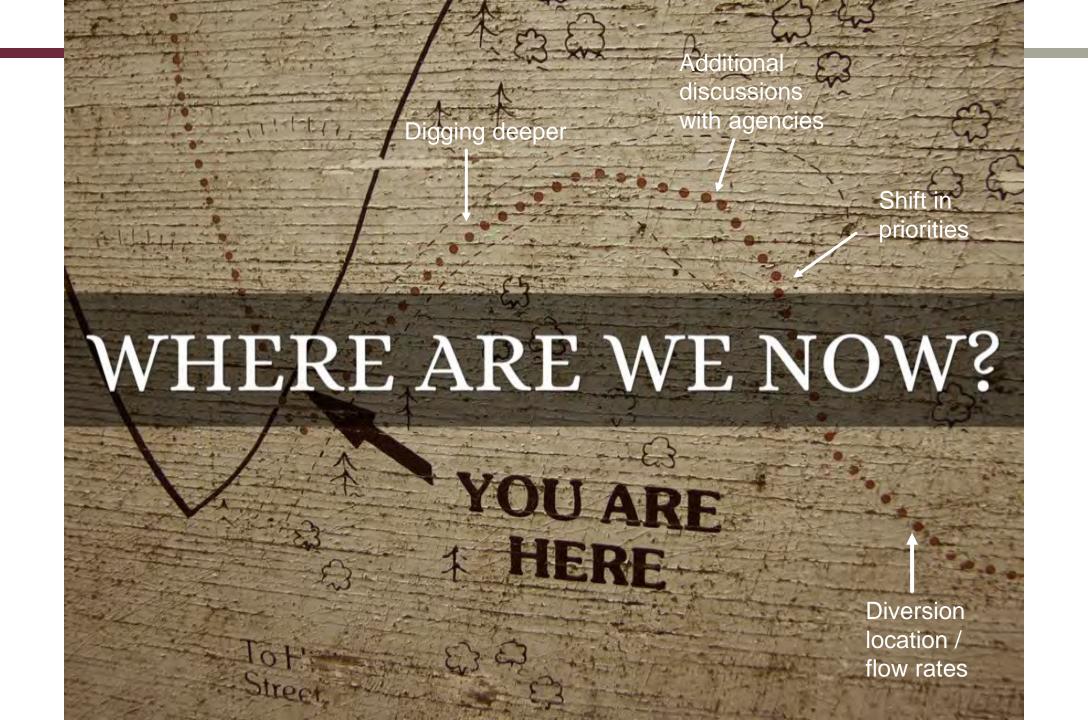
Direct Use of the South Fork of the Palouse River
Surface water would be diverted from the South
Fork of the Palouse River, treated, and then conveyed
into the existing municipal water system for
Pullman and WSU.

Protecting our critical groundwater resources will help our communities thrive and ensure safe, reliable drinking water for generations to come.

To learn more about the Palouse Basin Aquifer System or the proposed Paradise/South Fork Direct Use project, visit palousebasin.org

AQUIFER



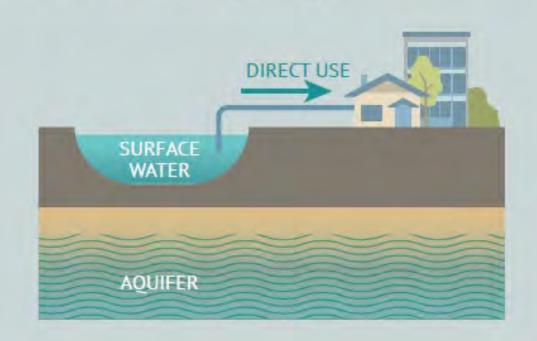


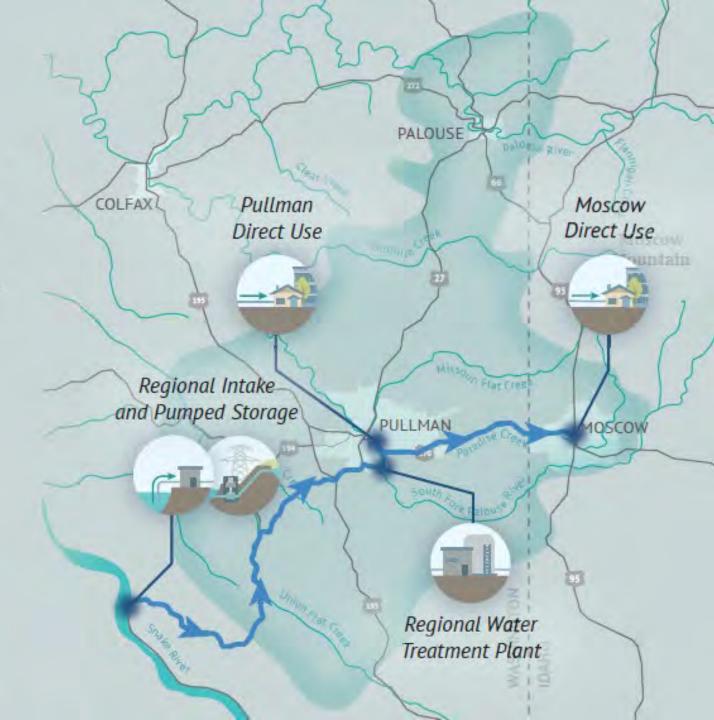
Alternative 1

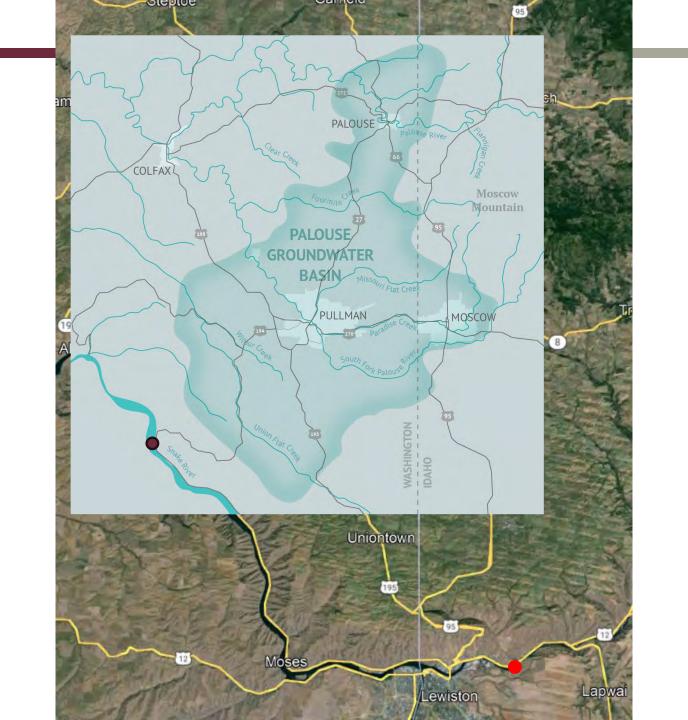
Direct Use of the Snake River:

Surface water would be diverted from the Snake River and conveyed to a new regional water treatment plant. There it would be treated and conveyed into the existing municipal water system for Pullman and WSU. An additional pipeline would allow treated water to be conveyed to Idaho into the existing municipal system for Moscow and UI.

Due to the topography change from the Snake River to the Palouse region, the potential for an off-channel pumped storage reservoir and hydropower facility would be considered to help offset costs and create additional power for the region.





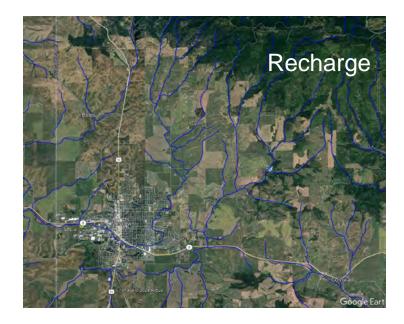


PBAC

Water Conservation









CONSIDERATIONS

- Multi city, university, county, state
- Multiple agencies involved
- Differing priorities
- Advocate needs
- Fish in the pond
- Funding and fairness
- Water rights
- Moving water across state line
- Source-use decisions











