

# Groundwater Transfer Review Summary Form

Transfer/PA # T- 14423

GW Reviewer Aaron Orr Date Review Completed: 8/15/2025

## Summary of Same Source Review:

☐ The proposed change in point of appropriation is not within the same aquifer as per OAR 690-380-2110(2).

## Summary of Water Level Decline Condition Review:

☐ Water levels at the original point(s) of appropriation have exceeded the allowed decline threshold defined by conditions in the originating water right.

## Summary of Injury Review:

☐ The proposed transfer will result in another, existing water right not receiving previously available water to which it is legally entitled or result in significant interference with a surface water source as per 690-380-0100(3).

## Summary of GW-SW Transfer Similarity Review:

☐ The proposed SW-GW transfer doesn't meet the definition of "similarly" as per OAR 690-380-2130.

*This is only a summary. Documentation is attached and should be read thoroughly to understand the basis for determinations.*



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## Ground Water Review Form:

- ☒ Water Right Transfer  
☐ Permit Amendment  
☐ GR Modification  
☐ Other

Application: T-14423

Applicant Name: Richard Lynch

Proposed Changes: ☐ POA ☒ APOA ☐ SW→GW ☐ RA  
☐ USE ☒ POU ☐ OTHER

Reviewer(s): Aaron Orr

Date of Review: 8/15/2025

Date Reviewed by GW Mgr. and Returned to WRSD: JTI 8/27/25

The information provided in the application is insufficient to evaluate whether the proposed transfer may be approved because:

- ☐ The water well reports provided with the application do not correspond to the water rights affected by the transfer.
- ☐ The application does not include water well reports or a description of the well construction details sufficient to establish the ground water body developed or proposed to be developed.
- ☐ Other \_\_\_\_\_

1. Basic description of the changes proposed in this transfer: The applicant requests to transfer 7.3 acres of land for the Place of Use (POU) and add WASC 2657 (Well 2) as an additional Point of Appropriation (POA). The total POU acreage will remain 30 acres.

2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?  
☒ Yes ☐ No Comments: The proposed POA (WASC 2657, Well 2) is ~200 feet from the existing authorized POA (WASC 2663, Well 1). Both wells collar into Dalles Formation, which consists of thickly bedded volcanoclastic and sedimentary deposits (Newcomb, 1969). The proposed POA appears to develop the same water bearing zone as the existing POA, which is likely in the Priest Rapids or Frenchman Springs Member of the Columbia River Basalt Group (Anderson, Unpublished; Korosec, 1987).

The only water level data for the proposed POA (WASC 2657) is 1217 feet amsl, measured by the driller on 11/27/1976 shortly after drilling and construction was completed. There is a large water level data gap between 1962 and 2012 for the existing authorized POA (WASC 2663), but the measurement at the proposed POA falls between the measured October water levels for the existing authorized POA (1266 feet amsl, 10/10/1960; 1195 feet amsl, 10/23/2013).

3. a) Is the existing authorized POA subject to a water level decline condition?  
☐ Yes ☒ No Comments: \_\_\_\_\_

- b) If yes, for each POA identify the reference level, most recent spring-high water level, and whether an applicable permit decline condition has been exceeded: \_\_\_\_\_
4. a) Is there more than one source developed under the right (e.g., basalt and alluvium)?  
☐ Yes ☒ No Comments: \_\_\_\_\_
- b) If yes, estimate the portion of the right supplied by each of the sources and describe any limitations that will need to be placed on the proposed change (rate, duty, etc.): \_\_\_\_\_
5. a) Will this proposed change, at its maximum allowed rate of use, likely result in an increase in interference with **another ground water right**?  
☒ Yes ☐ No Comments: The groundwater rights nearest to the existing authorized POA and proposed POA are associated with WASC 50498, WASC 2661, and WASC 2662. WASC 50498 is likely sealed to a deeper water bearing zone than WASC 2663 (Well 1) and WASC 2657 (Well 2) and will not experience interference due to pumping at either well. The proposed POA is ~150 feet closer to both WASC 2661 and WASC 2662. Pumping at the maximum allowable rate of 0.50 cfs for 214 days (irrigation period) at the proposed POA would result in an increased drawdown of <0.5 feet.
- b) If yes, would this proposed change, at its maximum allowed rate of use, likely result in another groundwater right not receiving the water to which it is legally entitled?  
☐ Yes ☒ No If yes, explain: The resulting increase in interference at WASC 2661 and WASC 2662 when pumping at the maximum allowable rate at the proposed well is negligible.
6. a) Will this proposed change, at its maximum allowed rate of use, likely result in an increase in interference with **another surface water source**?  
☐ Yes ☒ No Comments: The existing authorized POA and proposed POA are equidistant from Threemile Creek. The Proposed POA is not significantly closer to another surface water source in the area.
- b) If yes, at its maximum allowed rate of use, what is the expected change in degree of interference with any **surface water sources** resulting from the proposed change?  
Stream: \_\_\_\_\_ ☐ Minimal ☐ Significant  
Stream: \_\_\_\_\_ ☐ Minimal ☐ Significant  
Provide context for minimal/significant impact: \_\_\_\_\_
7. For SW-GW transfers, will the proposed change in point of diversion affect the surface water source similarly (as per OAR 690-380-2130) to the authorized point of diversion specified in the water use subject to transfer?  
☐ Yes ☐ No Comments: N/A
8. What conditions or other changes in the application are necessary to address any potential issues identified above: N/A
9. Any additional comments: \_\_\_\_\_

**References:**

Anderson, J.A., unpublished, Geologic map of The Dalles South 7.5-minute quadrangle.

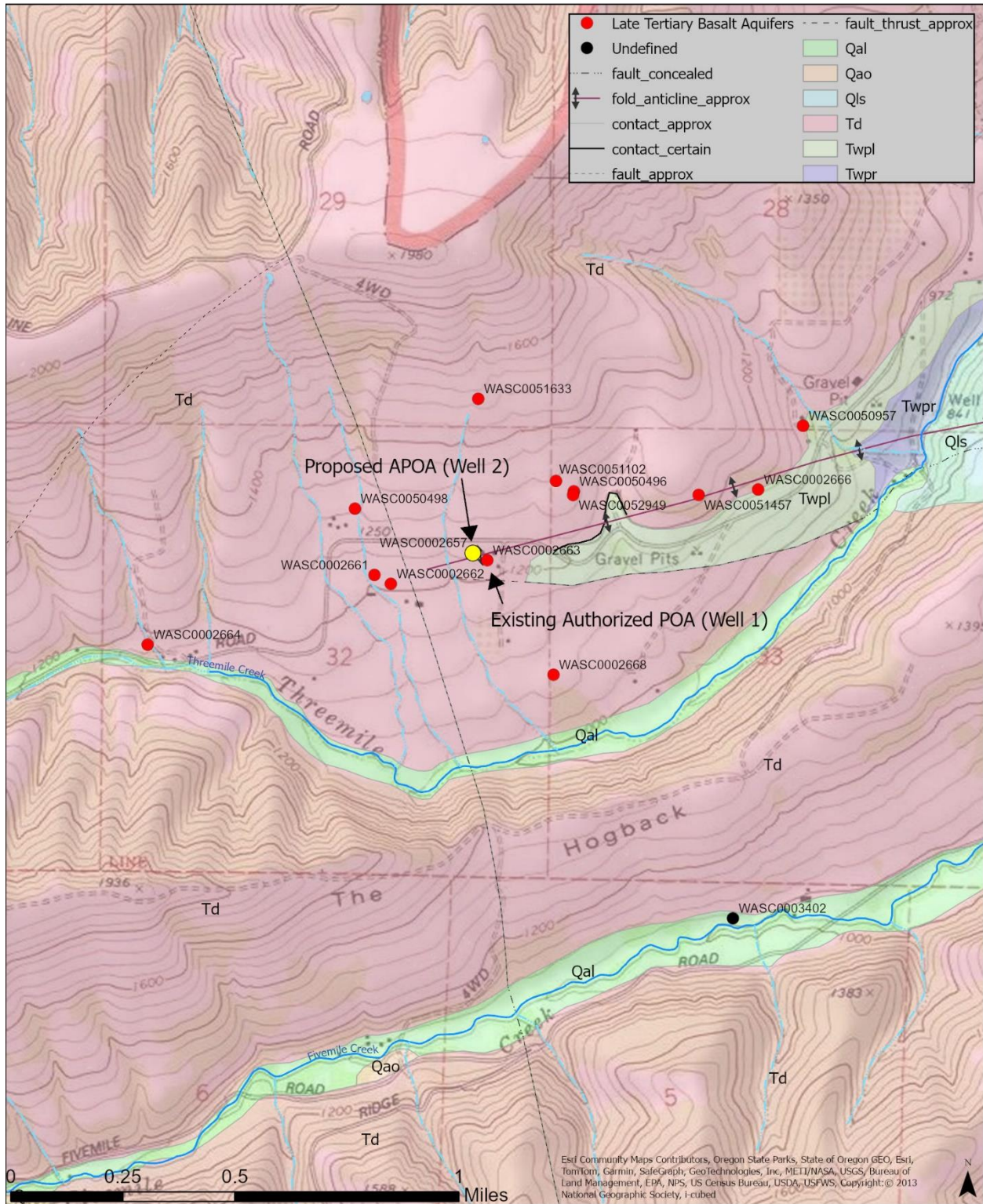
Korosec, M.A., 1987, Geologic map of the Hood River quadrangle, Washington and Oregon, Washington Division of Geology and Earth Resources, Open File Report 87-6

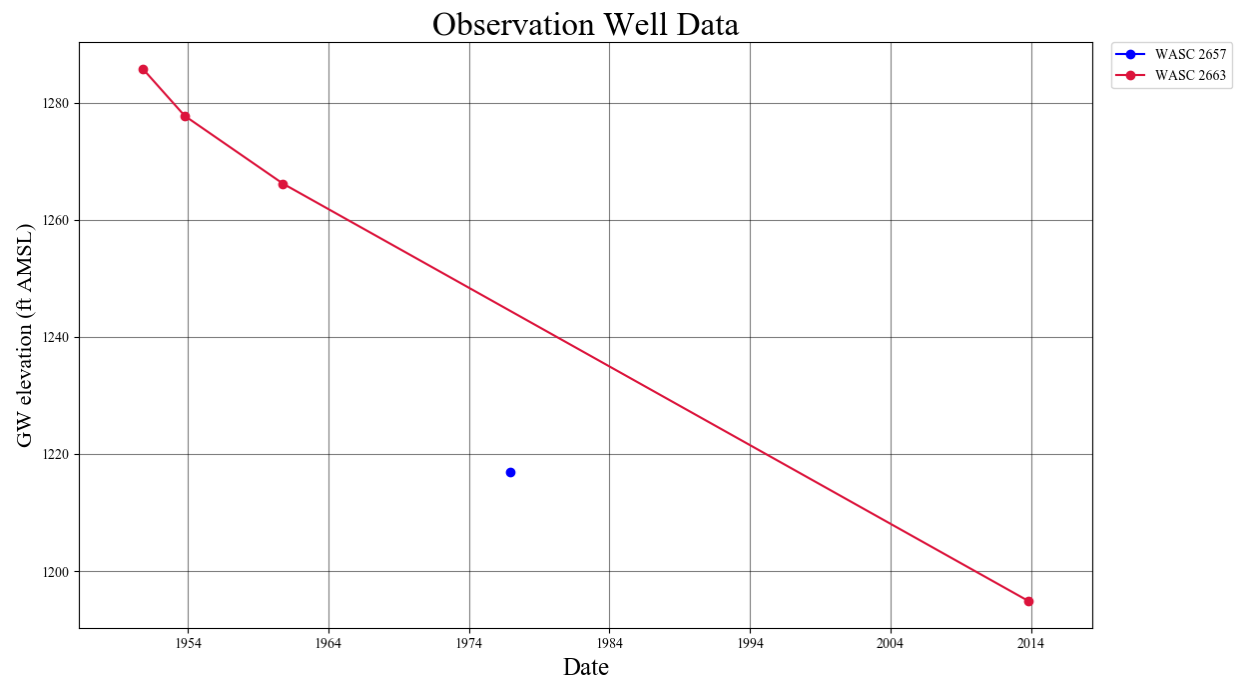
Newcomb, R.C., 1969, Effect of Tectonic Structure on the Occurrence of Ground Water in the Basalt of the Columbia River Group of The Dalles Area, Oregon and Washington, U.S. Geological Survey, Professional Paper 383-C, 33 p.

USDOE (U.S. Department of Energy), 1988, Site characterization plan, Reference Repository Location, Hanford Site, Washington - consultation draft: Washington, D.C., Office of Civilian Radioactive Waste Management, DOE/RW-0164, v. 1 – 9

## Well Location Map

T-14423



**Groundwater Levels (October-November)**

**Theis Interference Analysis**

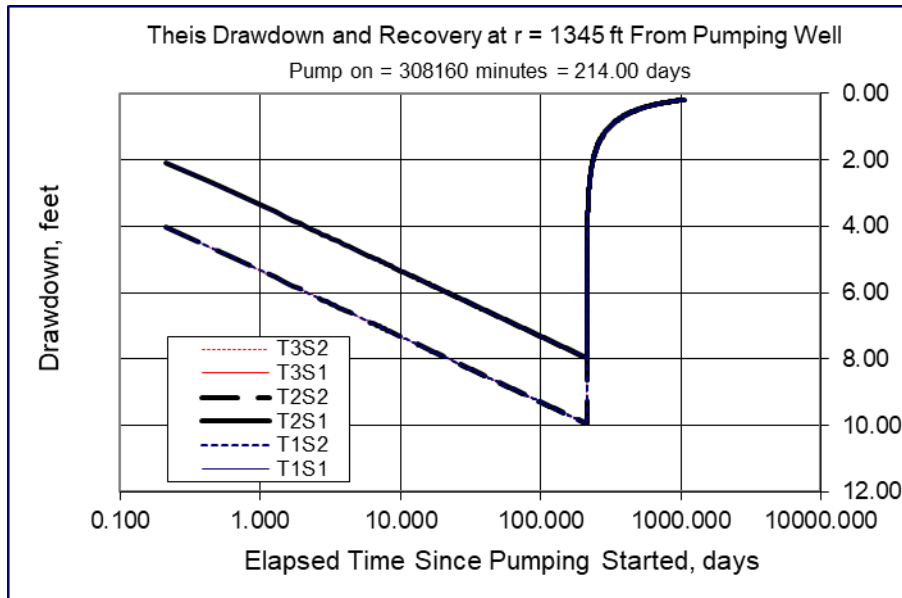
**Transmissivity:** 4,000 ft<sup>2</sup>/day (WASC 51102 T = 3,940 ft<sup>2</sup>/day, WASC 50496 T = 4,460 ft<sup>2</sup>/day)

**Storativity:** 0.0001 to 0.00001 (USDOE, 1988; Porcello et al., 2009).

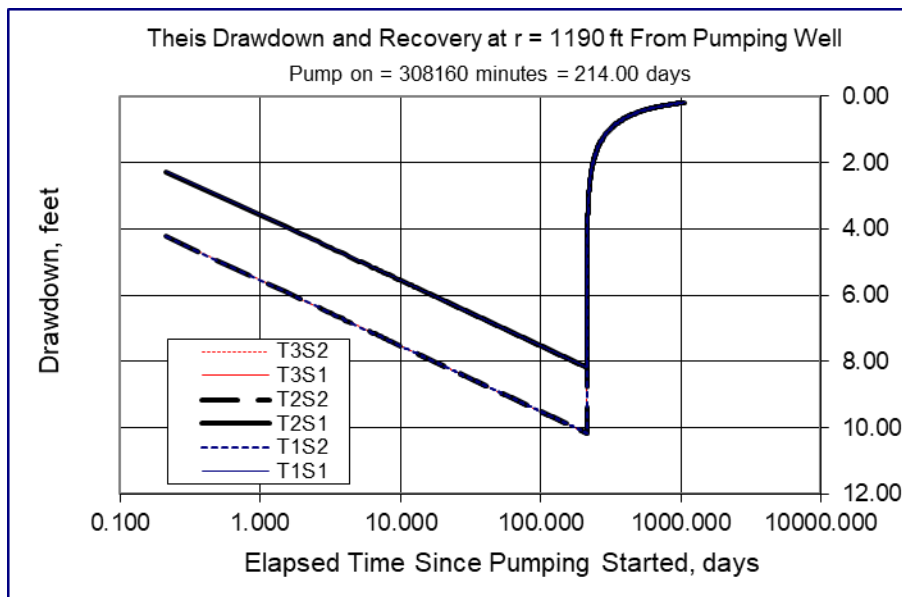
**Time:** 243 days (Irrigation Season).

**Rate:** (1) 0.50 cfs

**Distance:** See plots below

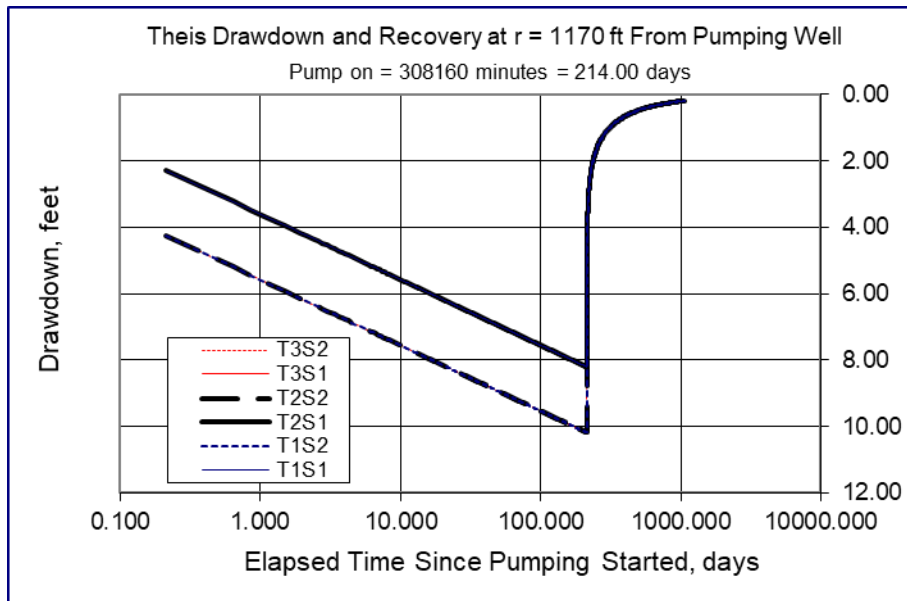


*Drawdown at WASC 2661 pumping at existing Authorized POA (WASC 2663).*

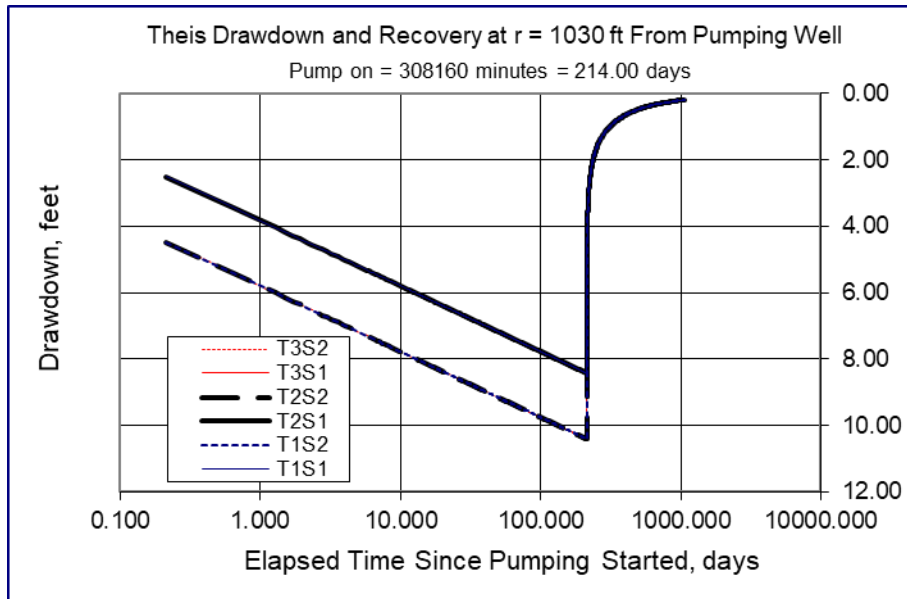


*Drawdown at WASC 2661 pumping at Proposed POA (WASC 2657).*





*Drawdown at WASC 2662 pumping at existing Authorized POA (WASC 2663).*



*Drawdown at WASC 2662 pumping at Proposed POA (WASC 2657).*