

Groundwater Transfer Review Summary Form

Transfer/PA # T- 14664 (temp)

GW Reviewer Travis Brown Date Review Completed: 7/21/2025

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 (Temporary)

Application: T-14664

Applicant Name: Rod Horner

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

Reviewer(s): Travis Brown

Date of Review: 7/21/2025

Date Returned to WRSD: 7/21/2025

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: Applicant proposes to temporarily change the POA and POU for 8.8 acres of Certificate 56973, which authorizes 28.4 acres of Primary Irrigation from Well 1 and Well 2, and 37.0 acres of Supplemental Irrigation from Well 2. (Note: on p. 7 the application indicates the designation of 37.0 acres as authorized for Supplemental – rather than Primary – Irrigation is a scrivener’s error; in emails dated April 17 and 21, 2025, the Watermaster and Case Worker agreed with this conclusion.) The From-POA (Well 2 / CLAC 3014) is authorized for a maximum well-specific rate of 0.37 cfs; the proportional maximum rate for the To-POA (CLAC 9055) would be 0.050 cfs based on the subject 8.8 acres out of the total 65.4 acres authorized.
 2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?
☒ Yes ☐ No Comments: Yes, both the authorized From-POA (CLAC 3014) and To-POA (CLAC 9055) appear to develop the Columbia River Basalt aquifer system (Conlon et al., 2005; Wells et al., 2020).
 3. a) Is the existing authorized POA subject to a water level decline condition?
☐ Yes ☒ No Comments: Certificate 56973 does not include water level decline conditions.
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: N/A

4. a) Is there more than one source developed under the right (e.g., basalt and alluvium)?
☐ Yes ☒ No Comments: The subject From-POA (CLAC 3014) appears to only develop the Columbia River Basalt aquifer system.
- 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.): N/A
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 proposed To-POA (CLAC 9055) is ~370 ft away from exempt domestic well CLAC 67583, whereas the From-POA (CLAC 3014) is ~1,700 ft away from CLAC 67583. The closer proximity of the To-POA will increase interference with CLAC 67583.
- 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 potential interference with CLAC 67583 was analyzed using the Theis (1935) solution for drawdown in a confined aquifer (see attached Well Interference Analysis). Results of the analysis indicate that, at the proportional maximum rate of 0.135 cfs, the proposed change is unlikely to result in injury to CLAC 67583 or similar nearby wells.
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 proposed To-POA is not appreciably closer to any surface water sources known to be hydraulically connected to the Columbia River Basalt aquifer system.
- 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
Provide context for minimal/significant impact: N/A
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: _____
8. What conditions or other changes in the application are necessary to address any potential issues identified above: _____
9. Any additional comments: _____

References

Pumping Test Reports: CLAC 285, 8014, 8077; WASH 1314, 13591

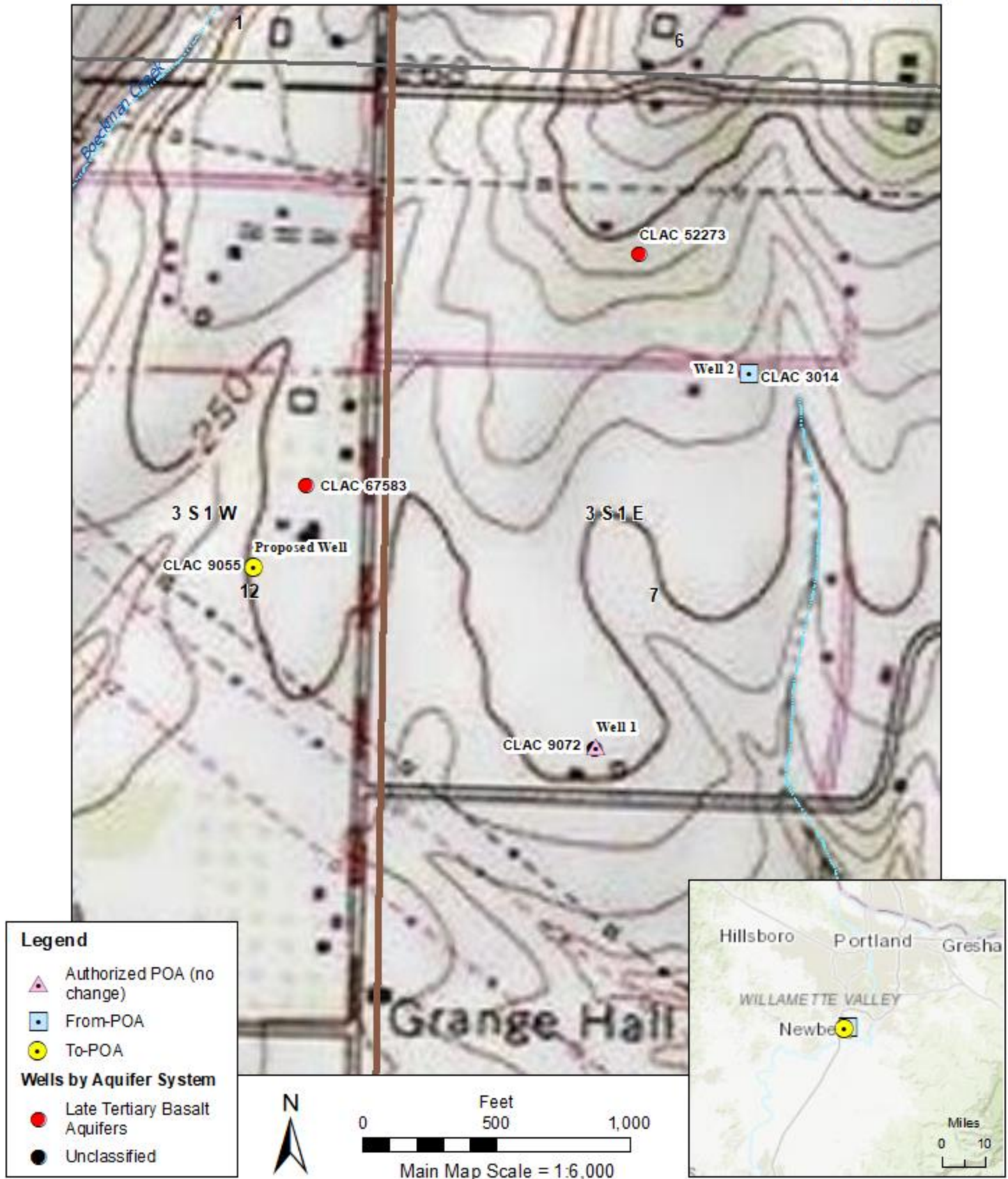
Conlon, T.D., Wozniak, K.C., Woodcock, D., Herrera, N.B., Fisher, B.J., Morgan, D.S., Lee, K.K., and Hinkle, S.R., 2005, *Ground-water hydrology of the Willamette Basin, Oregon*, Scientific Investigations Report 2005-5168: U. S. Geological Survey, Reston, VA.

Theis, C.V., 1935, The relation between the lowering of the piezometric surface and the rate and duration of discharge of a well using groundwater storage, American Geophysical Union Transactions, vol. 16, p. 519-524.

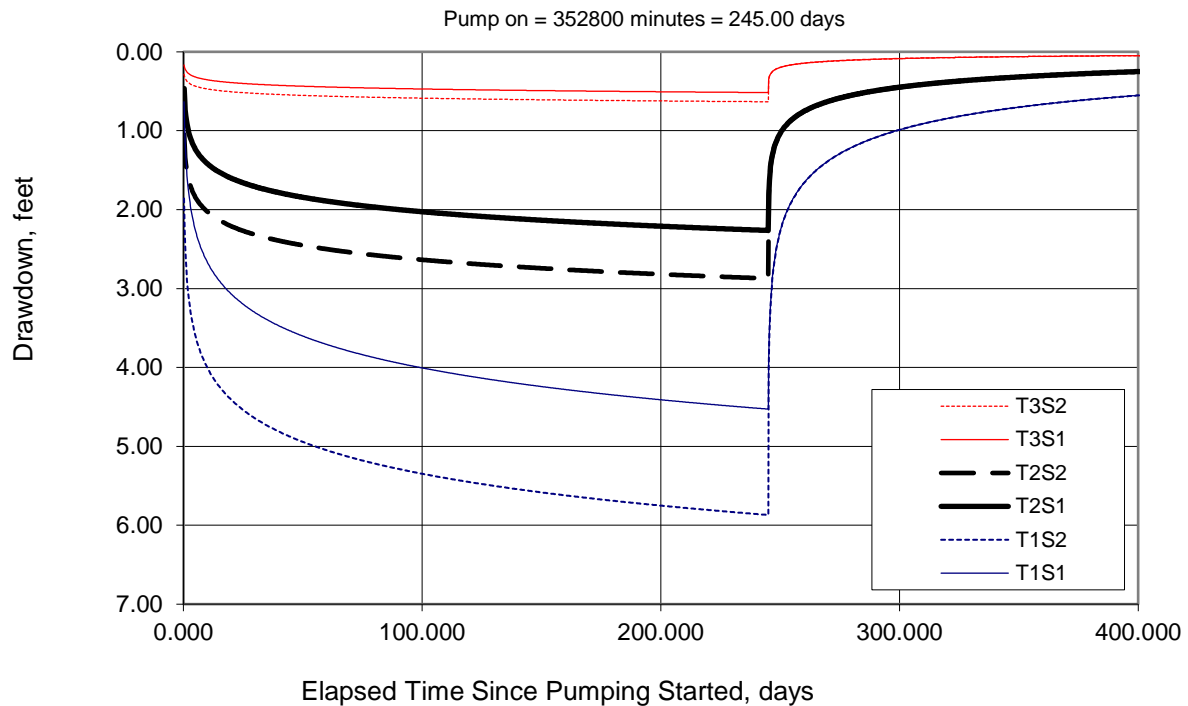
Wells, R., Haugerud, R.A., Niem, A.R., Niem, W.A., Ma, L., Evarts, R.C., O'Connor, J.E., Madin, I.P., Sherrod, D.R., Beeson, M.H., Tolan, T.L., Wheeler, K.L., Hanson, W.B., and Sawlan, M.G., 2020, *Geologic map of the greater Portland metropolitan area and surrounding region, Oregon and Washington*: U.S. Geological Survey Scientific Investigations Map 3443, pamphlet 55 p., 2 sheets, scale 1:63,360.

Well Location Map

T-14664



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Well Interference Analysis (Theis, 1935)Theis Drawdown and Recovery at $r = 370$ ft From Pumping WellPumping rate, $Q = 0.050$ cfs [proportional maximum rate of To-POA]Radial distance, $r = 370$ ft [distance from To-POA to neighboring well CLAC 67583]Transmissivity: $T1 = 590$ ft²/day; $T2 = 1,300$ ft²/day; $T3 = 6,800$ ft²/day [pumping test reports]Storativity: $S1 = 0.001$; $S2 = 0.0001$ [Conlon et al., 2005]