Groundwater Transfer Review Summary Form

Transfer/PA # T- _14639_

GW Reviewer _Mitra Khadka_ Date Review Completed: _8/21/2025_

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.

Ground Water Review Form:

Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1271
(503) 986-0900
www.wrd.state.or.us

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

Application: T-14639 Applicant Name: Caleb Johnson

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

Reviewer(s): Mitra Khadka Date of Review: 8/21/2025

Date Returned to WRSD: 8/22/2025

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 _____

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1. Basic description of the changes proposed in this transfer: Applicant proposes adding an additional well (APOA), **LANE 3186**, to **Claim: GR 875** (Priority Date: December 31, 1936). Currently, Claim: GR 875 authorizes irrigation of 24 acres at a maximum rate of 0.49 cfs from an authorized POA, **LANE 7486**. The applicant also proposes changing the place of use (POU) for 7 acres under Claim: GR 875 from Tax Lot 1200 to an adjacent Tax Lot 1300 for irrigation.

2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?
☒ Yes ☐ No Comments: Although no well-log is available for the authorized POA (LANE 7486), evaluation of nearby well-logs (LANE 7626 and LANE 7629) indicates that it produces groundwater from the Quaternary-Late Tertiary sedimentary aquifer known as the Willamette Aquifer. The aquifer consists of unconsolidated sand and gravel of alluvial fan and braid-plain deposits (Gannet and Caldwell, 1998; Conlon et al., 2005; McClaughry et al. 2010). Locally, the aquifer is unconfined, highly permeable, ~200-220 ft thick, and is underlain by ~200 ft of mostly fine-grained, low-permeability alluvial sediments (Gannett and Caldwell, 1998). The proposed APOA (LANE 3186) is completed to a depth of 82 ft below land surface and will also produce from the same Willamette Aquifer as the authorized POA.

3. a) Is the existing authorized POA subject to a water level decline condition?
☐ Yes ☒ No Comments: There are no decline conditions associated with Claim GR 875.

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: **Claim: GR 2975** (Priority Date: 12/31/1935) is the nearest groundwater right holder, located ~500 ft north of the proposed APOA (LANE 3186). LANE 7477 appears to be an authorized POA under **Claim: GR 2975.** LANE 7477 is ~1,700 ft north-east of the authorized POA, LANE 7486. A decrease in intervening distance will likely result in an increase in interference with the neighboring well LANE 7477.

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: LANE 7477 is completed to a depth of 12 ft bls and does not fully penetrate the Willamette Aquifer. Therefore, it is assumed that the proposed APOA will not cause any injury to the neighboring groundwater right.

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 nearest surface water source to both the authorized POA and the proposed APOA is Canterbury Creek. The proposed APOA is located farther from the creek (~2,700 ft northeast) compared to the authorized POA (~1,500 ft northeast). An increase in distance will likely result in a decrease in interference with the creek.

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: _____

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:

Application File: T-14639

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: U.S. Geological Survey Scientific Investigations Report 2005–5168, 83 p.

Gannett, M.W. and Caldwell, R., 1998, Geologic framework of the Willamette Lowland aquifer system, Oregon and Washington, Professional Paper 1424-A, 32 p: U. S. Geological Survey, Reston, VA.

McClaughry, J. D., T. J. Wiley, M. L. Ferns, and I. P Madin. 2010. Digital Geologic Map of the Southern Willamette Valley, Benton, Lane, Linn, Marion, and Polk Counties, Oregon. Oregon Dept. of Geology and Mineral Industries. Open File Report O-10-13.

Location Map