

Groundwater Transfer Review Summary Form

Transfer/PA # T- 14607

GW Reviewer Gabriela Ferreira Date Review Completed: May 9, 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.



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

Ground Water Review Form:

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

Application: T-14607

Applicant Name: Rojas Nursery c/o Ildefonso Rojas

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

Reviewer(s): Gabriela Ferreira

Date of Review: May 9, 2025

Date Reviewed by GW Mgr. and Returned to WRSD: JTI 6/12/25

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 _____

Basic description of the changes proposed in this transfer: The proposed transfer relates to wells located in unincorporated east Multnomah County, and approximately 0.4 mile north of the boundary for the Sandy-Boring Groundwater Limited Area. The proposed transfer would modify **Certificate 97637**, which currently authorizes **0.47 cfs** (210 gpm) by one existing well, **MULT 58958** (Authorized Well 2) on 25.05 acres for Nursery Use. The proposed transfer would replace the existing POA with two proposed POAs, not yet constructed (Proposed Well 1 and Proposed Well 2). The proposed POAs are located approximately 0.25 mile southwest of currently authorized POA MULT 58958.

The described metes and bounds for Proposed Wells 1 and 2 map to a location approximately 1,000 feet southeast of the locations shown on the map; this review evaluates the locations as shown on the map and within the boundaries of Tax Lot 1100. **Corrected metes and bounds should be provided for any permits issued in association with this transfer.**

1. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?
☒ Yes ☐ No Comments: The authorized POA MULT 58958 is produces water from the Troutdale Sandstone Aquifer (Swanson and others, 1993), first encountered approximately 200 to 250 feet below land surface in the vicinity of the POAs, extending to an estimated depth of 450 to 500 feet (bls). The proposed POAs would be constructed to a total depth of 500 feet and sealed to a depth of 300 feet bls; as described, the proposed POAs would also produce from the Troutdale Sandstone Aquifer.

2. 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: The reference level for currently authorized POA MULT 58958 is listed in Certificate 97637 as 230.33 feet bls (measurement reported 3/2/2005). The most recent spring-high water level was reported 3/22/2017 at 236.33. The water level decline condition has not been triggered by the water levels reported to date, although a decline of 6 feet is observed over a record 12 years. Any permit issued in association with this transfer should restart the water level measurement requirement and extend the water level measurement requirement to the two proposed POAs.

The reference level for the proposed POAs will be established after the wells are drilled and will be correlated to the first spring measurement collected from MULT 58958 (225.83 feet bls measured 3/8/2001).

3. 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.): _____

4. 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: Authorized POA is located approximately 1,470 feet from MULT 67824, an authorized POA for Certificate 94948. The proposed POAs would be located between 825 and 1,100 feet from MULT 67824. The reduced intervening distance proposed by this change would likely result in an increase in interference with MULT 67824.

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 between Proposed Well 2 and MULT 67824 was evaluated with the maximum authorized rate of 210 gpm. The results are shown on the attached figures.

Under more conservative aquifer parameters, drawdown may temporarily exceed 25 feet, particularly during irrigation season pumping; however, under all aquifer parameter scenarios evaluated, the total drawdown equilibrates to less than 25 feet. Therefore, the proposed change is unlikely to result in another groundwater right not receiving the water to which it is legally entitled.

5. 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: Due to the higher elevation of the nearby surface water sources, (~400 to 500 ft amsl) relative to groundwater elevation (~350 ft amsl) and water-bearing zones (typically deeper than 400 feet amsl), the nearby creeks are unlikely to be hydraulically connected to shallow water-bearing zones within the TSA; dense or partially cemented sand and gravel or fine-grained sediments typically overlie the TSA. However, the TSA dips generally from the ENE to WSW. Approximately 2.5 miles north of the proposed POAs along the Sandy River, the top of the TSA is estimated at approximately 130 feet amsl and the Troutdale Formation is exposed along banks of the lower Sandy River (Swanson et al., 1993). The TSA may be hydraulically connected to the lower Sandy River along this reach. However, additional pumping stresses at the proposed POAs will be attenuated by the distance and low-permeability sediments above water-bearing zones within the TSA; therefore, there is limited effective hydraulic connection between the aquifer system and the local stream network within the distances considered for this review. (Swanson and others, 1993).

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: None

6. 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

What conditions or other changes in the application are necessary to address any potential issues identified above: As noted above, any permit issued in association with this transfer should restart the water level measurement requirement and extend the water level measurement requirement to the two proposed POAs.

The reference level for the proposed POAs will be established after the wells are drilled and will be correlated to the first spring measurement collected from MULT 58958 (225.83 feet bls measured 3/8/2001).

7. Any additional comments: _____

References:

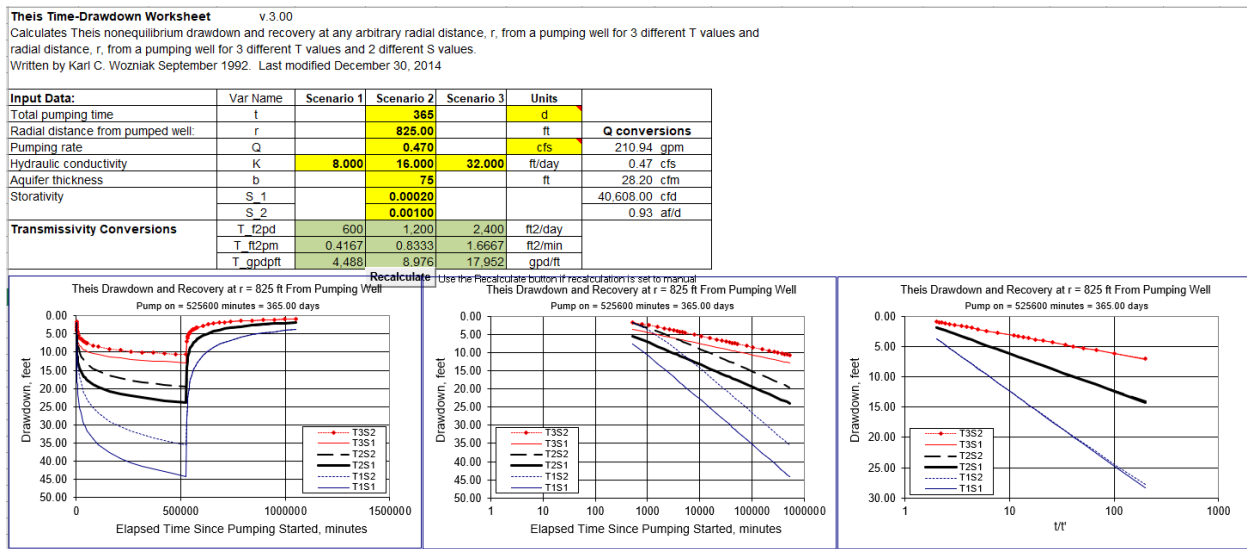
Application T-14607 File

Well reports and static water level information: MULT 58958, MULT 67824

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

Swanson, R.D., McFarland, W.D., Gonthier, J.B., and Wilkinson, J.M., 1993, A description of hydrogeologic units in the Portland basin, Oregon and Washington: U.S. Geological Survey Water-Resources Investigations Report 90-4196, 56p.

Woodward, D.G., Gannett, M.W., and Vaccaro, J.J., 1998, Hydrogeologic framework of the Willamette Lowland aquifer system, Oregon and Washington: U.S. Geological Survey Professional Paper 1424-B, 82 p.

Attachments

Application T-14607 Rojas Nursery T1S R4E Section 20

