

Groundwater Transfer Review Summary Form

Transfer/PA # T- 14832

GW Reviewer Stacey Garrison Date Review Completed: 4/24/2026

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-14832

Applicant Name: Philip Peterson

- Proposed Changes: POA, APOA, SW-GW, RA, USE, POU, OTHER

Reviewer(s): Stacey Garrison

Date of Review: 4/24/2026

Date Reviewed by GW Mgr. and Returned to WRSD: 4/24/2026

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 switch the POA for 1.86 ac of the total 4 ac authorized under Claim GR-3668. The authorized/from-POA is CLAC 2667 and the to-POA is CLAC 79403. The authorized rate of 10 gpm (0.02228 cfs) and maximum annual duty of 10 AF/yr is proportioned in this review to 4.65 gpm (0.01036 cfs) and 7 AF/year.

2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?
Yes No Comments: Although the from-POA (CLAC 2667) does not have lithology recorded, from-POA (CLAC 2667) does not have lithology recorded, given the depth and location it likely develops a water-bearing zone, WBZ, in the Columbia River Basalt Group, CRBG, probably the youngest flow in the area which is the Basalt of Sand Hollow (Martin et al., 2013; Reidel et al., 2013; Conlon et al., 2005; Gannett and Caldwell, 1998; Woodward et al., 1998; nearby wells, see attached Cross Section). The to-POA (CLAC 79403) develops the same aquifer.

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: N/A

4. a) Is there more than one source developed under the right (e.g., basalt and alluvium)?
Yes No Comments: Only the CRBG aquifer source is developed

- 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 to-POA (CLAC 79403) is closer to CLAC 2660, a POA on Certificate 85537 with priority date 5/3/1979.
- 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 cone of depression produced by wells pumping from the CRBG aquifer are likely to be shallow and widespread. The proposed rate of the subject review is also substantially less than the rate authorized to CLAC 2660 under Certificate 85537. Therefore, the proposed water use for the to-POA (CLAC 79403) is not likely to result in CLAC 2660 not receiving the water to which it is legally entitled.
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: Due to the low vertical permeability typical of CRBG aquifer systems, it is unlikely that the CRBG wells are hydraulically connected to the nearest streams. In this area, the CRBG is first encountered at about 280 ft bls, or elevation ~-78 ft amsl, with water-bearing interflow zones even deeper. Stream elevations in this area are at least 100 ft above the first basalt interflow zones.
- 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: 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: N/A

References

Application Files: T-14832

Pumping Test Files: CLAC 2618, CLAC 2623

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.

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

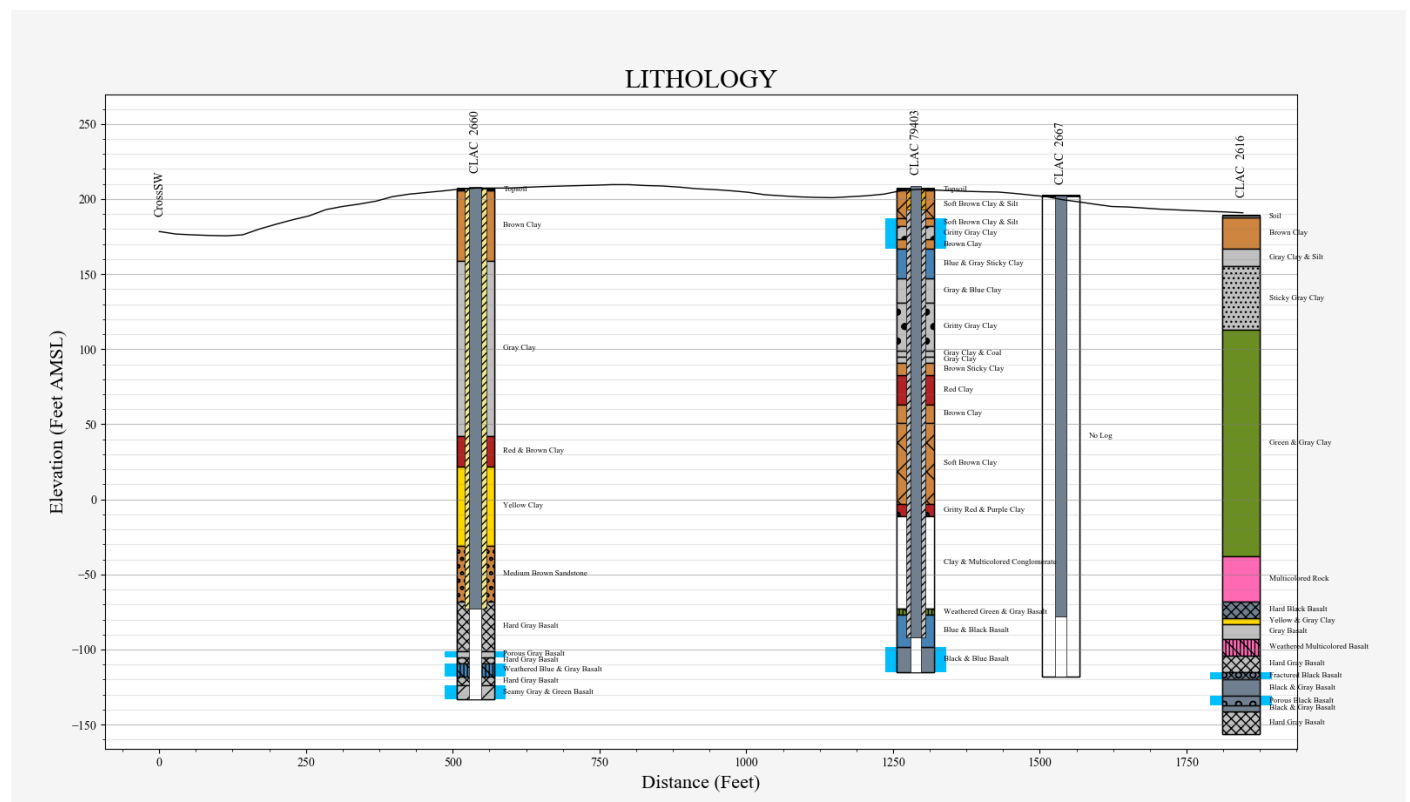
Martin, B.S., Tolan, T.L., Reidel, S.P., 2013, Revisions to the stratigraphy and distribution of the Frenchman Springs Member, Wanapum Basalt, in Reidel, S.P., Camp, V.E., Ross, M.E., Wolff, J.A., Martin, B.S., Tolan, T.L., and Wells, R.E., eds., The Columbia River Flood Basalt Province: Geological Society of America Special Paper 497, p. 155–179

O'Connor, J.E., Sarna-Wojcick, A., Woznikak, K.C., Polette, D.J., Fleck, R.J., 2001, Origin, Extent, and Thickness of Quaternary Geologic Units in the Willamette Valley, Oregon; U.S. Geological Survey, Professional Paper 1620, 51 p.

Reidel, S.P., Camp, V.E., Tolan, T.L., and Martin, B.S., 2013, The Columbia River flood basalt province: Stratigraphy, areal extent, volume, and physical volcanology, in Reidel, S.P., Camp, V.E., Ross, M.E., Wolff, J.A., Martin, B.S., Tolan, T.L. and Wells, R.E., eds., The Columbia River Flood Basalt Province: Geological Society of America Special Paper 497, p. 1–43

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.

Cross Section



Map

