

Groundwater Transfer Review Summary Form

Transfer/PA # T- 14446

GW Reviewer Grayson Fish Date Review Completed: 11/7/2024

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-14446

Applicant Name: Terry Nofziger

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

Reviewer(s): Grayson Fish

Date of Review: 11/7/2024

Date Returned to WRSD: 11/7/2024

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 proposes to add Well #5 as an APOA to Certificate 80684. The proposed well is not yet constructed but is expected to source water from “basalt”.

Currently authorized wells under Certificate 80684 are as follows:

- Well #1 – LAKE 688
- Well #2 – LAKE 689
- Well #3 – LAKE 690
- Well #4 – LAKE 691

The authorized and proposed wells are located ~2.5 miles north of Christmas Valley and are within the Fort Rock Classified area.

2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?
 Yes No Comments: Groundwater in the Fort Rock Valley-Christmas Valley area (Fort Rock Classified Area) is identified as a single groundwater system. Groundwater is found in both a shallower predominantly basin-fill sediment unit and a deeper predominantly volcanic rocks and sediments unit below. The predominantly basin fill sediment unit and the predominantly volcanic rocks and sediment unit both readily yield groundwater, and the two units are hydraulically connected.

Miller (1986) describes the groundwater source as the main groundwater reservoir. That reservoir includes groundwater in different geologic units. The reservoir has three characteristics. First, the “natural” groundwater level changes less than 1.5 feet annually, indicating the system is highly modulated. Second, the 1980s potentiometric surface was approximately 4292 feet elevation amsl basin-wide with Silver Lake an exception. Third, the reservoir consists of numerous water producing zones in several formations, all having an essentially common potentiometric level, and all being very transmissive in general.

The authorized wells produce groundwater from water bearing zones within the predominantly basin-fill sediment and/or the underlying predominantly volcanic rocks and sediment unit of the main groundwater reservoir. The proposed well will also produce groundwater from water bearing zones within the main groundwater reservoir.

3. a) Is the existing authorized POA subject to a water level decline condition?
 Yes No Comments: Certificate 80648 does not contain 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: One source 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: Proposed APOA Well #5 is planned to be located 50’ east of authorized POA Well #3 (LAKE 690). Given the proximity of the proposed APOA to the authorized POA, this change is unlikely to result in an increase in interference with another groundwater right.
- 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: N/A
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: Proposed APOA Well #5 is planned to be located 50’ east of authorized POA Well #3 (LAKE 690). Given the proximity of the proposed APOA to the authorized POA, this change is unlikely to result in an increase in interference with another surface water source.
- 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: None.

9. Any additional comments: None.

T-14446

