

# Groundwater Transfer Review Summary Form

Transfer/PA # T- 14320

GW Reviewer Darrick E. Boschmann Date Review Completed: 11/05/2024

## 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 (checked)
Permit Amendment
GR Modification
Other

Application: T-14320

Applicant Name: Rattlesnake Creek Land & Cattle

- Proposed Changes: POA (checked), APOA, SW->GW, RA, USE, POU, OTHER

Reviewer(s): Darrick E. Boschmann

Date of Review: 11/05/2024

Date Reviewed by GW Mgr. and Returned to WRSD: \_\_\_\_\_

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: \_\_\_\_\_

This application is related to certificate 91908 which authorizes groundwater pumping from 7 well for primary irrigation of 126.5 acres in the Malheur Lake Basin.

POD 1 = HARN 991

POD 2 = HARN 992

POD 3 = HARN 990\*

POD 4 = HARN 50201

POD 5 = HARN 2065

POD 6 = HARN 1004

POD 7 = HARN 1006

The following changes are proposed:

1. Replace POD 1 and POD 2 with existing well HARN 52111.

2. Replace POD 6 with proposed well "#5" (not yet constructed).

\*OWRD records indicate authorized POD 3 is HARN 990. The application materials here indicate authorized POD 3 is HARN 988. Records indicate these wells are located within about 100 feet of each other, and it cannot be determined which is the authorized well.

2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?  
 Yes    No   Comments: \_\_\_\_\_

The authorized and proposed wells develop groundwater occurring primarily in the Older basin fill hydrostratigraphic unit. Groundwater occurs in multiple hydrostratigraphic units, and groundwater within these units is hydraulically connected, making a single groundwater system composed of multiple hydrostratigraphic units (Gingerich and others, 2022).

In general, groundwater in the Harney Basin flows from several upland recharge areas to a common discharge area near Malheur and Harney Lakes, with some apparent discharge to the Malheur Basin through one area along the eastern margin. While the rocks and sediments making up the aquifer system in the Harney Basin do constitute a single groundwater flow system, sub-watersheds within the basin contribute recharge to different parts of the system depending on groundwater flow-paths from recharge to discharge areas. In general, within these sub-watersheds water within the aquifer system is sourced from a common recharge area and can therefore be considered a single source. The currently authorized wells and the proposed wells are all within the eastern part of Harney Valley and are located along groundwater flow paths flowing generally southeastward toward the Crane area.

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: \_\_\_\_\_
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: \_\_\_\_\_

The proposed POA are located within a few hundred feet of the current POA, within the overall footprint of the currently authorized wells, and are no closer to any other authorized well than the currently authorized wells.

- 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: \_\_\_\_\_



