Groundwater Transfer Review Summary Form

Transfer/PA # T- _14191_

GW Reviewer _Darrick E. Boschmann_ Date Review Completed: _11/21/2023_

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 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

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-14191 Applicant Name: Golden Rule Farms

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

Reviewer(s): Darrick E. Boschmann Date of Review: 11/21/2023

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 62014 which authorizes groundwater pumping from one well (POD 1 = HARN 1317) for primary irrigation of 40.0 acres in the Malheur Lake Basin. The following changes are proposed:

1. Change the POA and add 7 APOA (HARN 50143; HARN 51555; HARN 50777; HARN 50501; HARN 50358; HARN 51784; “#C” = not constructed).

2. Transfer off 9.5 acres of the POU.

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 in the Older basin fill and Proximal vent deposits hydrostratigraphic units. 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 well and the proposed wells are all within the Weaver Springs groundwater cone of depression, where groundwater is flowing toward a central low point in this area.

3. a) Is there more than one source developed under the right (e.g., basalt and alluvium)?
☐ Yes ☒ No

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:

The proposed APOA are located up to 4 miles to the northeast of the currently authorized well. This will result in an incremental increase in interference with wells near the locations of the proposed APOA.

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:

Any increase in interference with existing wells in these locations will not meet the standard for substantial or undue interference given the thickness of the aquifer system in the Harney Basin.

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: There are no perennial surface water sources in the vicinity of the authorized or proposed wells.

   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

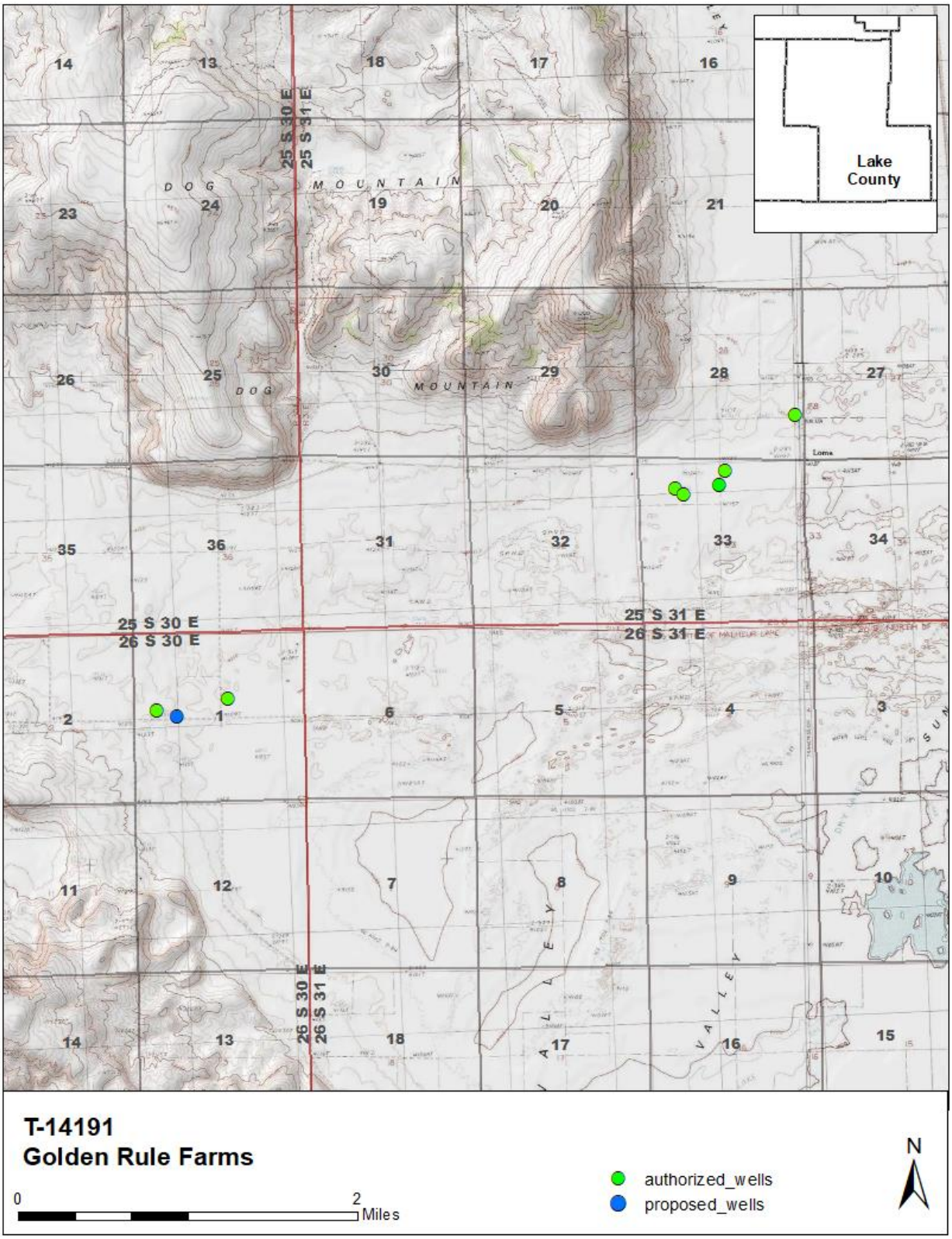
   Provide context for minimal/significant impact: _____

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: _____

7. What conditions or other changes in the application are necessary to address any potential issues identified above: none.

8. Any additional comments: none.


Lake County
T-14191
Golden Rule Farms
0
2
Miles
authorized_wells
proposed_wells
N
25 S 30 E
25 S 31 E
26 S 30 E
26 S 31 E
DOG MOUNTAIN
DOG MOUNTAIN
VALLEY
VALLEY