Groundwater Transfer Review Summary Form

Transfer/PA # T- _14231_

GW Reviewer _Darrick E. Boschmann_ Date Review Completed: _12/08/2023_

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.

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Ground Water Review Form:

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

Application: T-14231 Applicant Name: Tobiasson

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

Reviewer(s): Darrick E. Boschmann Date of Review: 12/08/2023

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 94849 which authorizes groundwater pumping from one well (POD 1 = LAKE 188) for primary irrigation of 86.7 acres in the Goose and Summer Lakes Basin (Fort Rock Classified Area). The following changes are proposed:
1. Add one APOA (not constructed).

 Version: 20210204

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 well produces groundwater from water bearing zones within the predominantly volcanic rocks and sediment unit of the main groundwater reservoir. The proposed well will also produce groundwater from water bearing zones within the predominantly volcanic rocks and sediment unit of the main groundwater reservoir.

2. 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.):

3. 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 well is proposed to be constructed 14 feet to the south of the currently authorized well.

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:

4. 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:

The proposed APOA well is proposed to be constructed 14 feet to the south of the currently authorized well.

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

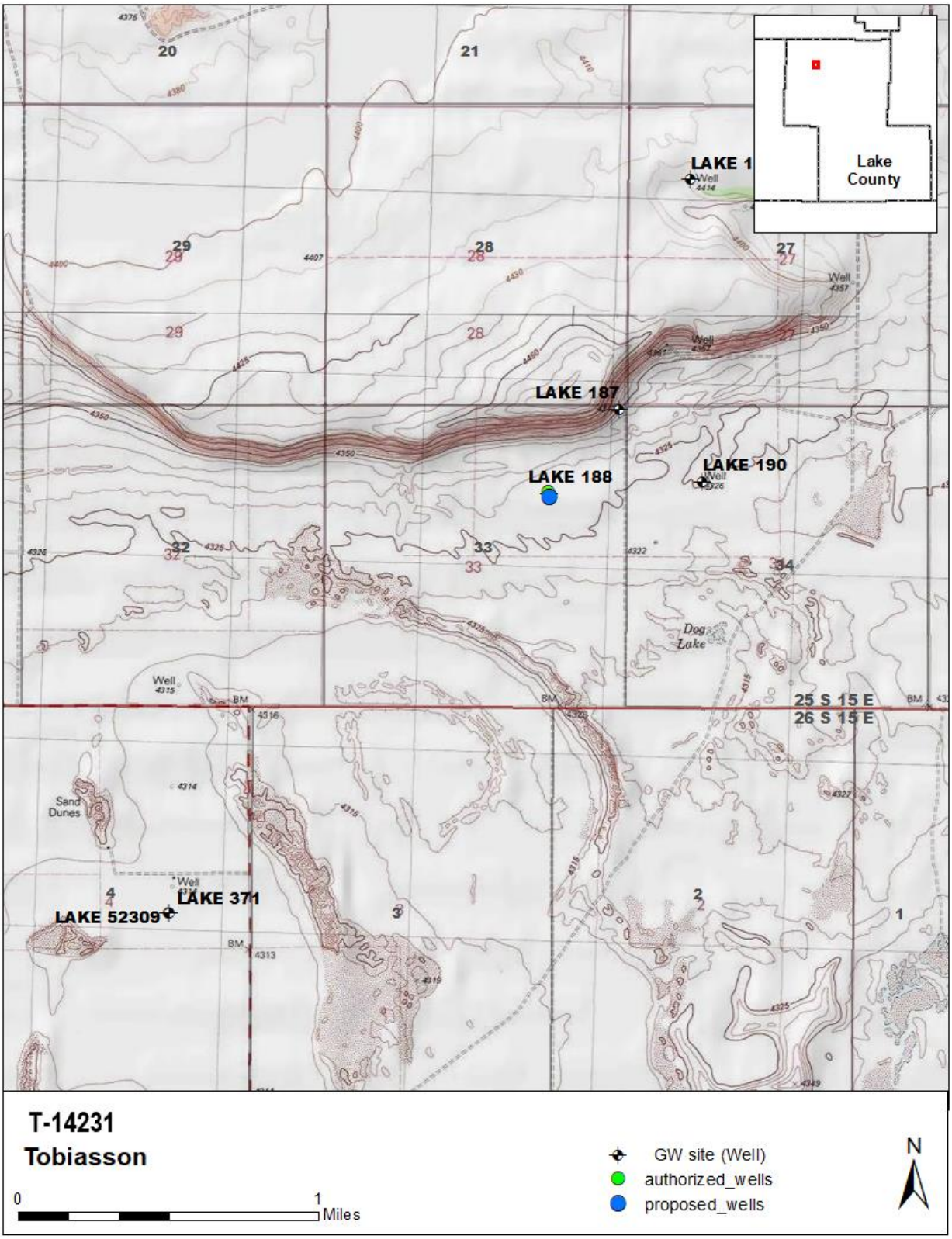
Provide context for minimal/significant impact: _____

5. 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: _____

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

7. Any additional comments: none.


LAKE 1
Lake County
LAKE 187
LAKE 188
LAKE 190
LAKE 371
LAKE 52309
Dog Lake
Sand Dunes
25 S 15 E
26 S 15 E
T-14231
Tobiasson
0
1
Miles
GW site (Well)
authorized_wells
proposed_wells
N