

Groundwater Transfer Review Summary Form

Transfer/PA # T- 14118

GW Reviewer Phillip I. Marcy Date Review Completed: 10/27/2023

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-14118

Applicant Name: Kyle Latimer

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

Reviewer(s): Phillip I. Marcy

Date of Review: 10/27/2023

Date Returned to WRSD: 9/9/2024

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 four APOA wells to the authorized POA, for a total of five authorized POA wells. The property is being divided into five separate lots and the desire is to have one authorized POA well for each lot.
2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?
 Yes No Comments: All wells produce from sand and/or gravels at depths near 100' below land surface.
3. a) Is there more than one source developed under the right (e.g., basalt and alluvium)?
 Yes No Current authorized POA LINN 10647 is authorized to produce from alluvium.
 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.): NA
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: Three of the proposed APOA wells are closer to LINN 56115, authorized under Certificate 88185, however, the distribution of pumping between five wells is anticipated to produce shallower drawdowns at each POA location due to a lower expected pumping rate.

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: Drawdowns from proposed APOA wells seen at LINN 56115 are likely to be insignificant due the characteristics of the aquifer. At a distance of 300 feet from the nearest proposed POA, and an expected pumping rate of one fifth the authorized maximum rate under Certificate 86446, the anticipated drawdown at LINN 56115 is less than 10 feet. Given the depth of the affected well and the shallow static water levels in the productive aquifer, the likelihood of injury is very small.

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: Wells B and C (LINN 63924 and LINN 63925) are closer to the upper, intermittent reach of Owl Creek than the existing authorized POA 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: Owl Creek Minimal Significant

Stream: _____ Minimal Significant

Provide context for minimal/significant impact: At the depth of the water-bearing zone accessed by the proposed wells, interference with local streams is likely to be diffuse, with effects propagated upward through fine-grained horizons over a wide geographic area. In addition, the anticipated pumping rate is fairly low at each well (0.148 cfs / 5 wells = 0.0296 cfs or 13.29 gpm).

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: NA

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

8. Any additional comments: _____

Input Data:	Var Name	Scenario 1	Scenario 2	Scenario 3	Units
Total pumping time	t		245		d
Radial distance from pumped well:	r		300		ft
Pumping rate	Q		0.0296		cfs
Hydraulic conductivity	K	5	10	15	ft/day
Aquifer thickness	b		25		ft
Storativity	S 1		0.01		
	S 2		0.05		
Transmissivity Conversions	T f2pd	125	250	375	ft ² /day
	T ft2pm	0.08680556	0.17361111	0.26041667	ft ² /min
	T gpdpft	935	1870	2805	gpd/ft



