Groundwater Transfer Review Summary Form

Transfer/PA # T- _14614_

GW Reviewer _James Hootsmans_ **Date Review Completed:** _June 6, 2025_

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.

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-14614 Applicant Name: Vitaly Anfilofieff

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

Reviewer(s): James Hootsmans Date of Review: 6/6/2025

Date Returned to WRSD: 8/18/2025

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 _____

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1. Basic description of the changes proposed in this transfer: This application proposes an additional POA (APOA), CLAC 70859 (Well 5), to Water Right Certificate 78603. The authorized POA is CLAC 12545 (Well 4). Both of these wells are authorized POAs on other rights. Additionally, the resulting certificate from Transfer T-11659 is concurrently in process; Well 5 was also added as an APOA in that transfer process. This application pertains to the remaining portion of the prior certificate that was altered via transfer T-8555.

2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?
☒ Yes ☐ No Comments: The authorized POA (CLAC 12545) is 315 feet deep and produces from the alluvial aquifer system. The proposed APOA (CLAC 70859) is 309 feet deep and will also produce from the alluvial aquifer system.

3. a) Is the existing authorized POA subject to a water level decline condition?
☐ Yes ☒ No Comments: Certificate 78603 does not have any water level 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: _____

4. a) Is there more than one source developed under the right (e.g., basalt and alluvium)?
☐ Yes ☒ No Comments: All POA will develop the alluvial aquifer (sand and gravel layers).

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 APOA is significantly closer to other groundwater rights compared to the authorized POA. In addition, the proposed APOA is already an authorized POA on permits G-10114 (Transfer T-11659) and G-17124 (Transfer T-11658) that are pending certificates.

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: The APOA has approximately 250 feet of available water from the top of water table to total depth. For the proposed APOA that is already an authorized POA on other groundwater rights, there is not likely enough available water to accommodate the maximum rates of 4.9 cfs from Permit G-17124, the 0.15 cfs from Permit G-10114 and the requested 0.3402 cfs from Certificate 78603 in this application (5.3902 cfs total). **Using a radial distance of 1 foot, it appears that a combined rate closer to 1.25 cfs would allow the total drawdown from pumping to be less than 250 feet.**

The nearest water right that does not include the APOA or POA is CLAC 52842, Certificate 96920. CLAC 52842 is approximately 625 feet away from the proposed APOA. A pump test conducted at CLAC 52842 resulted in a transmissivity of 435 square feet per day. **Using the 1.25 maximum rate (see Theis Drawdown Analysis), drawdown at CLAC 52842 would be much less than the available water in the well (approximately 332 feet). Therefore, the neighboring water right would be able to receive the water to which it is legally entitled to.**

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: The APOA, CLAC 70859, will not be closer to local surface water sources.

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: _____

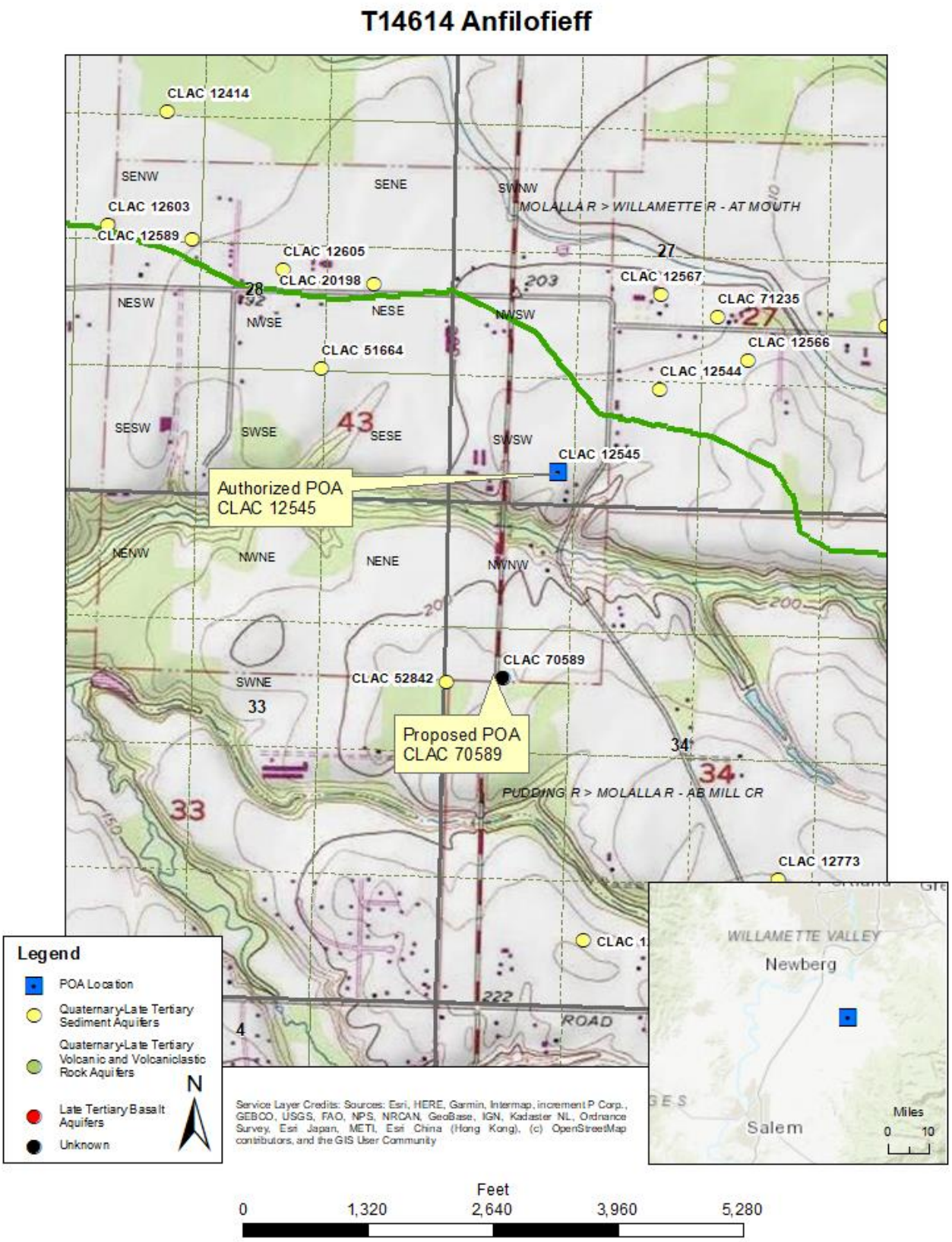
7. For SW-GW transfers, will the proposed change in point of diversion affect the surface water source similarly (as per OAR 690-380-2130) to the authorized point of diversion specified in the water use subject to transfer?

☐ Yes ☐ No Comments: N/A

8. What conditions or other changes in the application are necessary to address any potential issues identified above: N/A

9. Any additional comments: N/A

Location Map



Theis Drawdown Analysis

Theis Time-Drawdown Worksheet v.3.00

Calculates Theis nonequilibrium drawdown and recovery at any arbitrary radial distance, r, from a pumping well for 3 different T values and radial distance, r, from a pumping well for 3 different T values and 2 different S values.

Written by Karl C. Wozniak September 1992. Last modified December 17, 2019

Input Data:	Var Name	Scenario 1	Scenario 2	Scenario 3	Units	
Total pumping time	t		265		d	
Radial distance from pumped well:	r		625		ft	**Q conversions**
Pumping rate	Q		1.25		cfs	561.00 gpm
Hydraulic conductivity	K	1	3	5	ft/day	1.25 cfs
Aquifer thickness	b		200		ft	75.00 cfm
Storativity	S_1		0.003			108,000.00 cfd
	S_2		0.0002			2.48 af/d
Transmissivity Conversions	T_f2pd	200	600	1000	ft2/day	
	T_ft2pm	0.1388889	0.4166667	0.6944444	ft2/min	Recalculate
	T_gpdpft	1496	4488	7480	gpd/ft	

Use the Recalculate button if recalculation is set to manual