

# Groundwater Transfer Review Summary Form

Transfer/PA # T- 14495

GW Reviewer James Hootsmans Date Review Completed: 11/20/2024

## 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  
☐ Permit Amendment  
☒ GR Modification  
☐ Other

Application: T-14495

Applicant Name: Quiet Meadows Farm

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

Reviewer(s): James Hootsmans

Date of Review: 11/20/2024

Date Reviewed by GW Mgr. and Returned to WRSD: JTI 6/4/25

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 is proposing one additional Point of Appropriation (POAs) to help supplement the production of the existing POA (LINN 62466) on Groundwater Registrations GR-1858. The additional POAs is listed as LINN 61004 on the Location Map included below. **Note: The existing POA is also a POA on concurrent applications T-14496 and G-19441. The additional POA is a proposed POA on concurrent application T-14996 and also an authorized POA on Permit G-17465.**

2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?  
☒ Yes ☐ No Comments: The authorized POA on GR-1858 (LINN 62466) is 65 feet deep and produces from the alluvial aquifer. The proposed APOA (LINN 61004) is 21 feet deep and also produces from the alluvial aquifer.

3. a) Is the existing authorized POA subject to a water level decline condition?  
☐ Yes ☒ No Comments: No water level conditions decline conditions are attached to Claim GR 1858.

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: NA

4. a) Is there more than one source developed under the right (e.g., basalt and alluvium)?  
☐ Yes ☒ No Comments: All POAs currently or will be developed in 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.): \_\_\_\_\_

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 additional POA (LINN 61004) is a proposed POA on concurrent application T-14996 and also an authorized POA on Permit G-17465. The existing POA (LINN 62466) is also a POA on concurrent applications T-14496 and G-19441. Therefore, interference has to be assessed with all the rates from the pending applications and existing claims combined (stacked use).

Authorized POA use and rates (LINN 62466): 5.86 CFS Total

App G-19441 – POD 1 – 4.3 CFS

Claim 1858 – POD 1 – 0.8912 CFS

Claim 1859 – POD 1 – 0.6684 CFS

Proposed POA use and rates (LINN 61004): 2.40 CFS Total

Permit G 17465 – POD 2 – 0.85 CFS

Claim 1858 – POD 2 – 0.8912 CFS

Claim 1859 – POD 2 – 0.6684 CFS

The closest ground water right to the POAs is also owned by the applicant. Therefore, the greatest injury would be to themselves. The next closest groundwater right is Permit G17465, which the proposed POA is also part of. Despite the close distance from LINN 61004 to LINN 61334 to model potential drawdown, and because the aquifer is unconfined and reasonably thick and well density is relatively low, interference from the proposed well is unlikely to be excessive.

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: \_\_\_\_\_

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: The additional POA is further away from the North Santiam River than the authorized POA, therefore at its maximum allowed rate of use, no increase in interference is likely to occur.

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

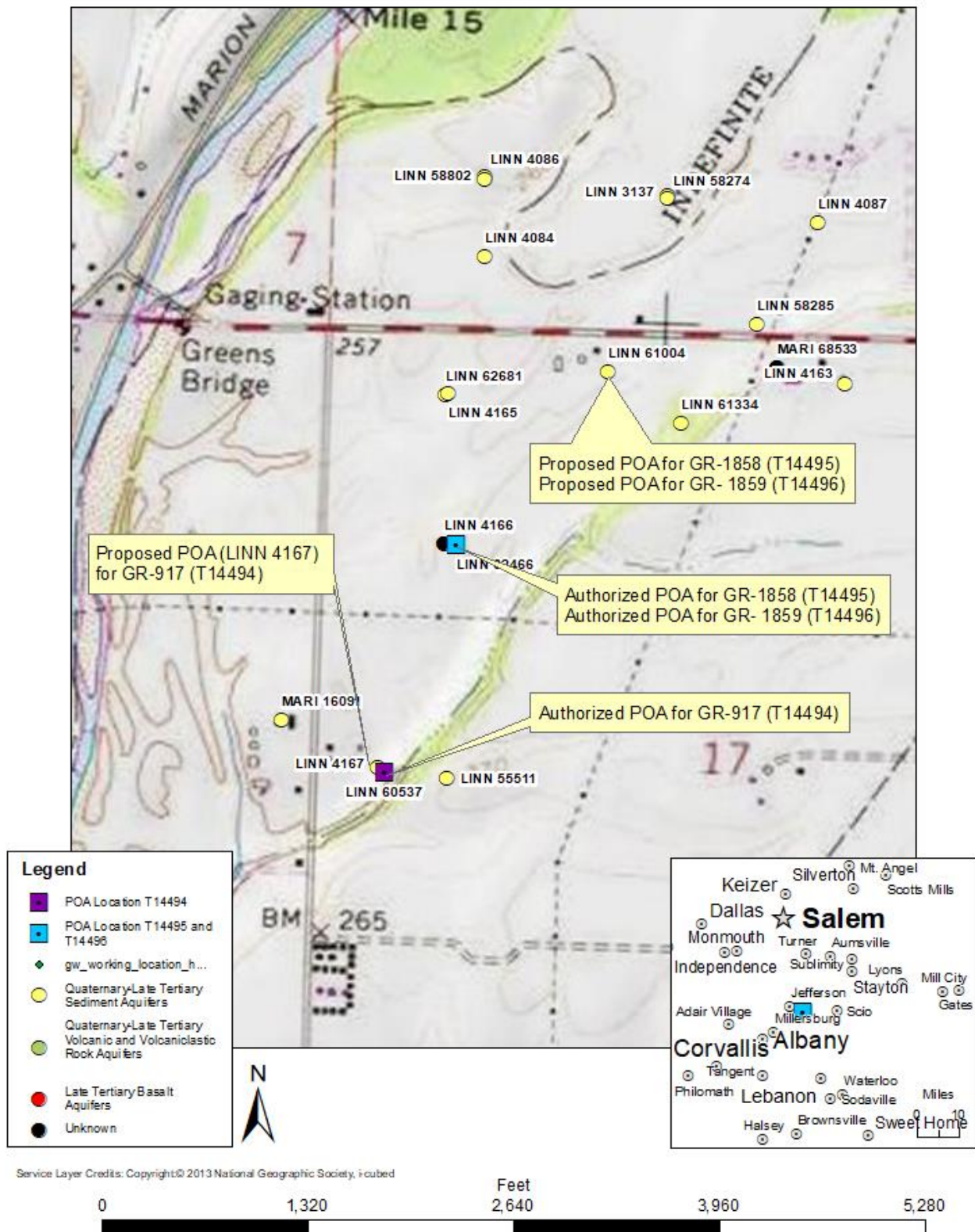
Provide context for minimal/significant impact: \_\_\_\_\_

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: NA

7. What conditions or other changes in the application are necessary to address any potential issues identified above: NA

8. Any additional comments: NA

**Location Map****T14494, T14495 and T14496 Quiet Meadow Farms**

# APOA LINN 61004 to LINN 61334 Theis Drawdown

This Time-Drawdown Worksheet v.5.00

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		245		d
Radial distance from pumped well:	r		580		ft
Pumping rate	Q		2.4		cfs
Hydraulic conductivity	K	14	220	900	ft/day
Aquifer thickness	b		70		ft
Storativity	S_1		0.2		
	S_2		0.1		
Transmissivity Conversions	T, ft <sup>2</sup> /pd	980	15400	63000	ft <sup>2</sup> /day
	T, ft <sup>2</sup> /pm	0.6805556	10.694444	43.75	ft <sup>2</sup> /min
	T, gpd/ft	7330.4	115192	471240	gpd/ft

Use the Recalculate button if recalculation is set to manual

