

# Groundwater Transfer Review Summary Form

Transfer/PA # T- 14022

GW Reviewer Joe Kemper Date Review Completed: 11/30/2023

## 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-14022

Applicant Name: The Tree Farm LLC

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

Reviewer(s): Joe Kemper

Date of Review: 11/30/2023

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 \_\_\_\_\_

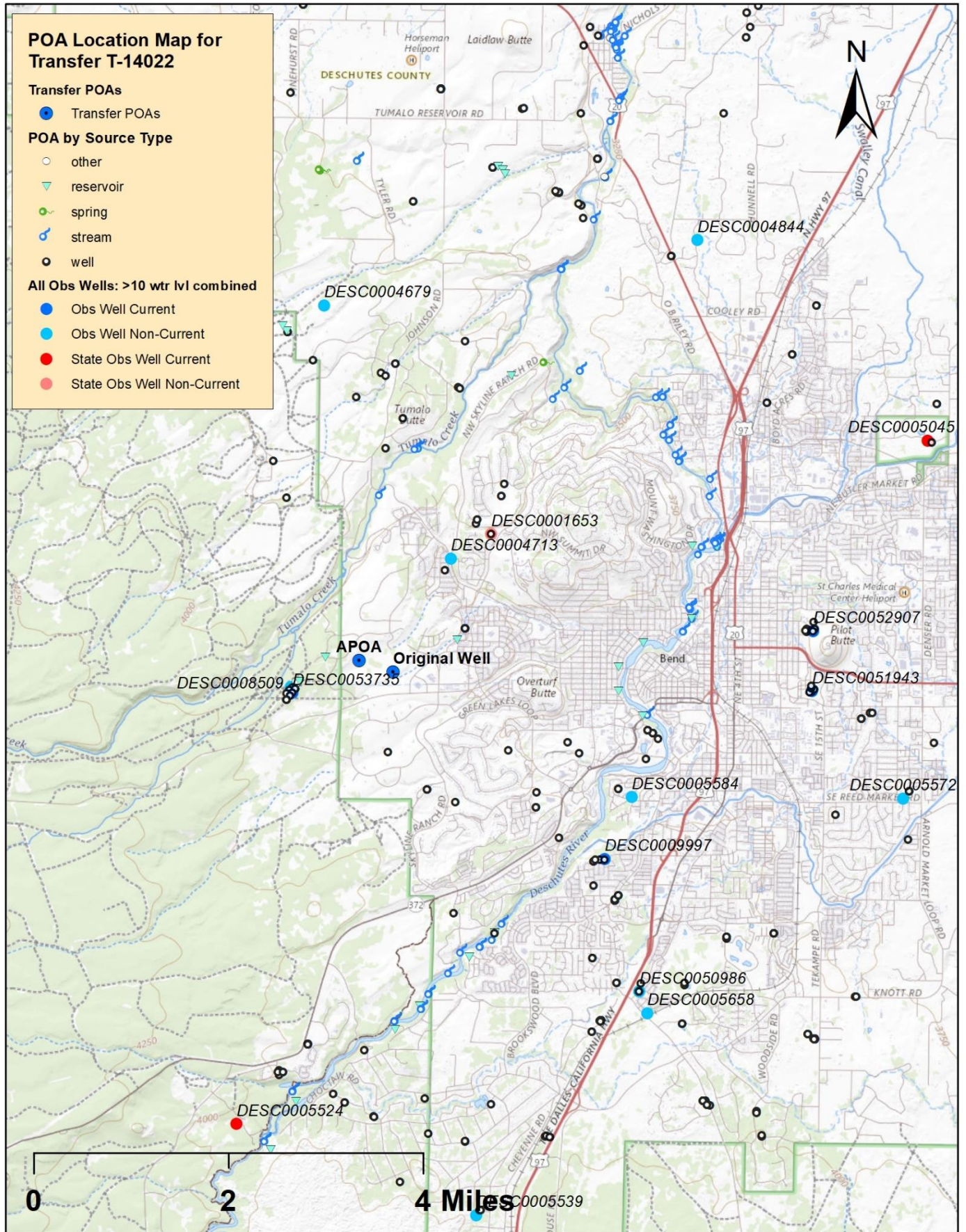
1. Basic description of the changes proposed in this transfer: This transfer proposes adding an APOA to certificate 96029, which authorized 0.7141 cfs of quasi-municipal use from one well (DESC 51145). Certificate 96029 has since been amended by transfer T-13583, resulting in the cancelation of 96029 and issuance of certificate 95715 for 0.4841 cfs of quasi-municipal use from DESC 51145. No changes are proposed to the place or character of use.
2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?  
☒ Yes ☐ No Comments: DESC 51145 is drilled into the Quaternary-aged volcanics at the foot of the Cascades, which is considered to be part of the Deschutes regional groundwater system. The undrilled APOA is proposed to be located 1960 feet WNW from DESC 51145 with identical construction details. It would access the same groundwater source.
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: Moving some or all groundwater production to the APOA may increase well-to-well interference with groundwater users NW of DESC 51145.
- 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: Considering the relatively low permitted rate and the aquifer's storage, permeability, and thickness, any increases in well-to-well interference that result from this transfer are not likely large enough to be considered injury to those users.
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: Water levels in both the existing POA and the proposed POA are several hundred feet below land surface. The nearest hydraulic connection to surface water is near the confluence of the Deschutes and Crooked rivers, approximately 25 miles to the north. This suggests that the impact to surface water will be at a regional scale where the relatively small change in POA location will have negligible effects on surface water.
- 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: \_\_\_\_\_
8. Any additional comments: \_\_\_\_\_

**Well Summary Table**

POA Name	Well Tag or LOGID	Total Well Depth	Casing Diameter (in)	Casing Intervals (ft)	Seal Depth (ft)	Perforated/ Screened Intervals	SWL of Completed Well	Source Aquifer	Well Specific Rate
Existing Well	DESC 51145	444	10	0-19	0-19	400-503	340	Basalt	NA
Proposed Well	Proposed	444 (est.)	10 (est.)	0-19	0-19	400-503 (est.)	340 (est.)	Basalt	NA

# Transfer Map





Water Levels in Adjacent Observation Wells

