

# Groundwater Transfer Review Summary Form

Transfer/PA # T- 13350

GW Reviewer M. Thoma

Date Review Completed: 09/21/2020

## 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-13350

Applicant Name: Shaundele Leatherberry

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

Reviewer(s): M. Thoma

Date of Review: 09/21/2020

Date Reviewed by GW Mgr. and Returned to WRSD: ~~JFL~~ 9/25/2020

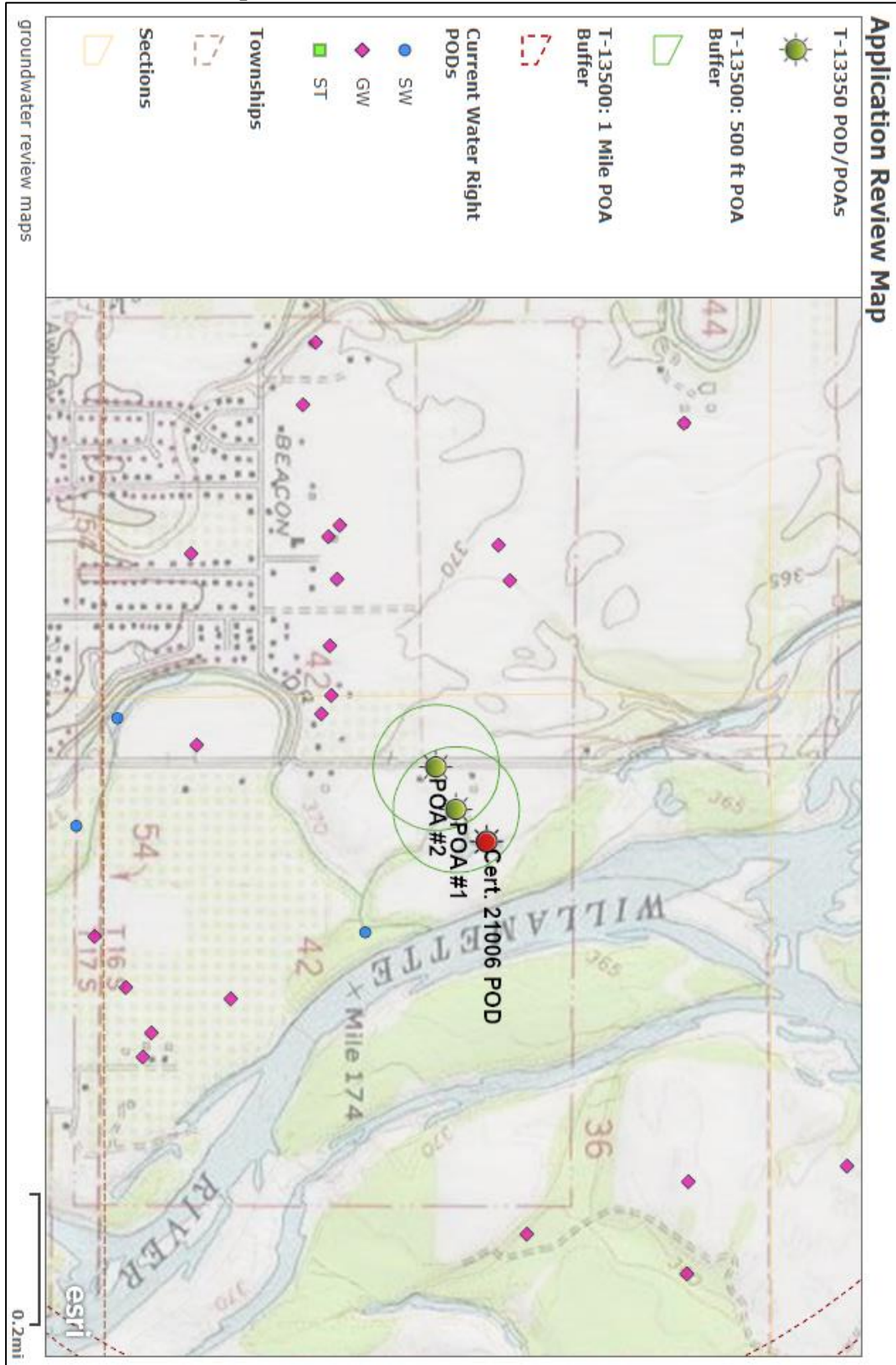
The information provided in the application is insufficient to evaluate whether the proposed transfer may be approved because:

- 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 change the POD on Cert. 21006 for 10.6 acres from a surface water POD on Spring Creek (a small tributary or slough of the Willamette River) to two (2) groundwater POAs which are existing wells LANE0008366 and LANE0050657. Both wells are shallow (32 ft and 62 ft) and producing from "sand and gravel". They are located < 20 ft and 350 ft from Spring Creek.
2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?  
 Yes     No    Comments: This is a SW-GW transfer – see Item 6 below
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: The nearest permitted groundwater POAs are located approximately 1000 ft from proposed POA #2; there are approximately 40 permitted POAs within 1 mile of the proposed POAs. The change proposed in this application will increase interference with existing permitted POAs but the wells will also be considerably influenced by the proximity to the Willamette River which will buffer any interference to nearby permitted POAs.
- 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 proposed change is from a surface water POD to groundwater POAs which will disperse the interference with nearby 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: \_\_\_\_\_
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: Given the distance between the proposed POAs and surface water, and the hydraulic properties of the shallow aquifer system the POAs are producing from, modeling suggests that the impact to surface water will likely exceed 50% of the pumping rate after 10 days of continuous pumping. The model results below are for POA #2, which is the farther of the two POAs, and encompass a range of hydrologic parameter values. Pumping from the closer POA (POA #1) will have a larger impact and higher stream-depletion than POA #2. Based on the modeled results, there is a preponderance of evidence that the proposed change will affect surface water similarly, as defined in OAR 690-380-2130.
7. What conditions or other changes in the application are necessary to address any potential issues identified above: \_\_\_\_\_
8. Any additional comments: \_\_\_\_\_

### Transfer Review Map



**Modeled Stream-Depletion from POA #2 to the Willamette River**

