

# Groundwater Transfer Review Summary Form

Transfer/PA # T- 13384

GW Reviewer Phillip Marcy Date Review Completed: 08/25/2020

## 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-13384

Applicant Name: Paul and Susan Fobert

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

Reviewer(s): Phillip I. Marcy

Date of Review: 08/25/2020

Date Reviewed by GW Mgr. and Returned to WRSD: JTI 8/28/2020

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 wishes to modify and combine existing certificates 29402, 29405, and 35499 for maximum flexibility of water sources, timing, and use. Currently, MARI 1021 is authorized for use under 29402 as "Well F", and MARI 774 is authorized under 29405 as "Well A". This application proposes two APOA wells, "Well G" and "Well H", with preliminary proposed depths of 250', with proposed seal depths of 0-50', producing from alluvium. Certificate 35499 is a surface water right, for which the applicant proposes a second diversion location described as "POD C".

This review addresses the changes to authorized well production and the addition of additional point of appropriation (APOA) wells.

- 2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?  
 Yes     No    Comments: Authorized and proposed wells will produce from alluvium.
- 3. a) Is there more than one source developed under the right (e.g., basalt and alluvium)?  
 Yes     No Authorized wells on certificates 29402 and 29405 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: Neither of the proposed APOA locations are closer to any other groundwater right.
- 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: NA
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 location for Well G is 1,250' from the Pudding River, to which authorized and proposed wells will likely be hydraulically connected, increasing potential impacts versus pumping at MARI 1021, the closest authorized pumping location at a distance of 1,520'.
- 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: Pudding River  Minimal  Significant  
 Stream: \_\_\_\_\_  Minimal  Significant  
 Provide context for minimal/significant impact: Stream depletion was modeled to consider the potential difference in stream impacts to the Pudding River in pumping existing authorized POA MARI 1021, and proposed POA "Well G". The model of Hunt (2003) was used to calculate the expected stream depletion for both scenarios, which resulted in 0.132 cfs ("Well G") versus 0.121 cfs (MARI 1021) after 240 days of pumping at 1.02 cfs (combined rate from all groundwater rights). Considering that the pertinent WAB (PUDDING R > MOLALLA R - AB MILL CR) maintains a minimum flow of 67.3 cfs, the difference of 0.11 cfs does not appear to be significant, nor is it likely that all future pumping will occur from "Well G"..
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: As both existing authorized wells appear to produce groundwater from at or below 55' AMSL (see attached cross-section), if a permit is issued, any new wells shall be constructed to produce from elevations at or below 55'. Since both proposed APOA locations lie between 150-155' AMSL, each new well shall be continuously cased and continuously sealed to at least 100' below land surface.
8. Any additional comments: \_\_\_\_\_

