

Groundwater Transfer Review Summary Form

Transfer/PA # T- 14115

GW Reviewer Phillip I. Marcy Date Review Completed: 11/28/2023

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-14115

Applicant Name: Orchard Heights Water Association

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

Reviewer(s): Phillip I. Marcy

Date of Review: 11/28/2023

Date Returned to WRSD: 9/9/2024

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 add an additional point of appropriation (APOA) to Certificate 45205 to reliably provide drinking water to Orchard Heights Water Association customers.
2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?
 Yes No Comments: There are currently two authorized POA wells under Certificate 45205, POLK 1787 and POLK 1786, both producing groundwater from the Columbia River Basalt (CRB) aquifer. The proposed APOA (POLK 1789) also produces from CRB.
3. a) Is there more than one source developed under the right (e.g., basalt and alluvium)?
 Yes No Both authorized POA wells produce from CRB.
 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: The proposed APOA well is already an authorized POA on Certificate 83546, with a maximum rate of 0.044 CFS.
 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: Since these wells are for the same quasi-municipal use, it is not anticipated that additional use of this well would negatively impact the existing authorization.

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 APOA is not significantly closer to any surface water source than either of the currently authorized POA wells. It is also questionable whether the CRB aquifer is hydraulically connected to surface water in the immediate vicinity, based upon the difference between the elevations of surface water and groundwater in these CRB wells (see attached hydrograph and cross-section).

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: NA Minimal Significant

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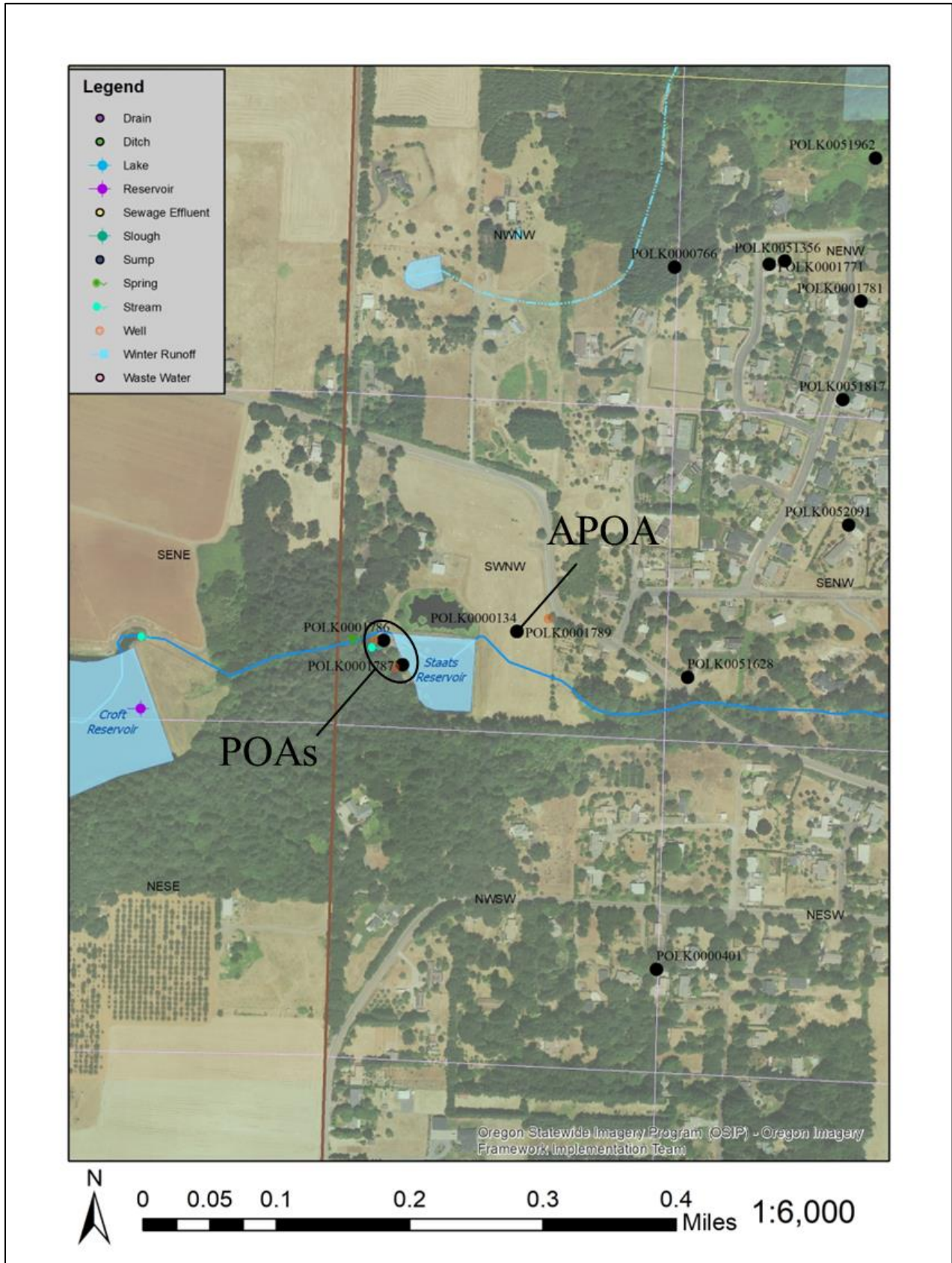
Provide context for minimal/significant impact: NA

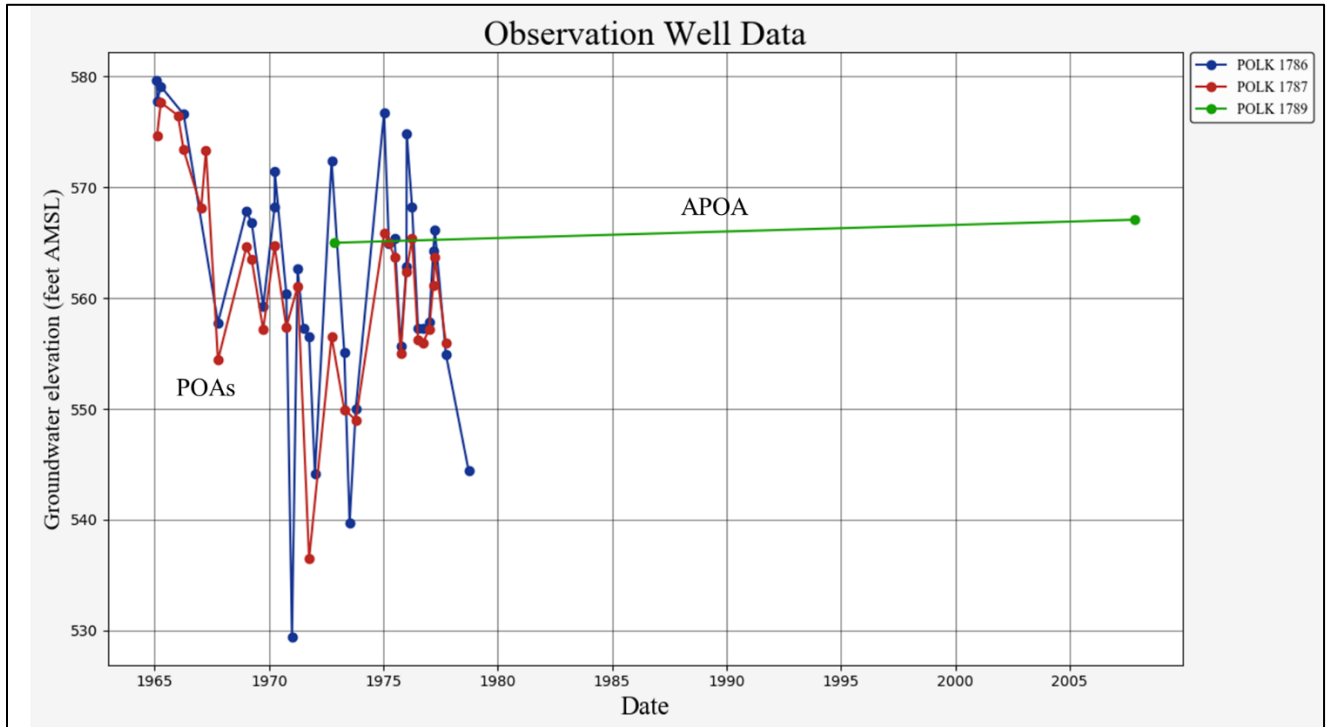
6. For SW-GW transfers, will the proposed change in point of diversion affect the surface water source similarly (as per OAR 690-380-2130) to the authorized point of diversion specified in the water use subject to transfer?

Yes No Comments: NA

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

8. Any additional comments: _____





Available water level data indicate the APOA well is likely to produce from the same water-bearing zones as the two authorized POA wells.

