

Groundwater Transfer Review Summary Form

Transfer/PA # T- 14507

GW Reviewer Phillip I. Marcy Date Review Completed: 10/08/2024

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 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-14507

Applicant Name: Christopher and Anne Ray

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

Reviewer(s): Phillip I. Marcy

Date of Review: 10/08/2024

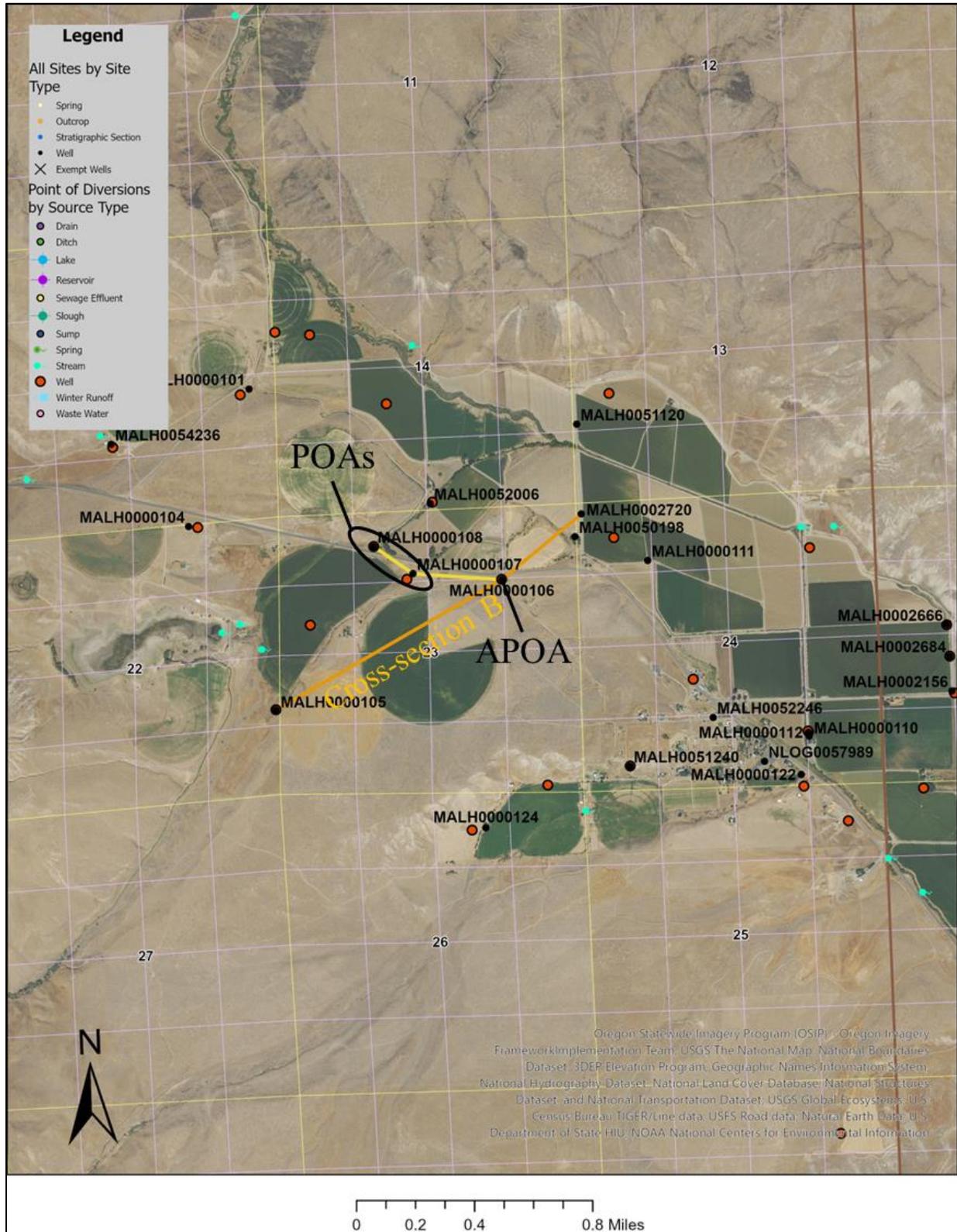
Date Reviewed by GW Mgr. and Returned to WRSD: _____

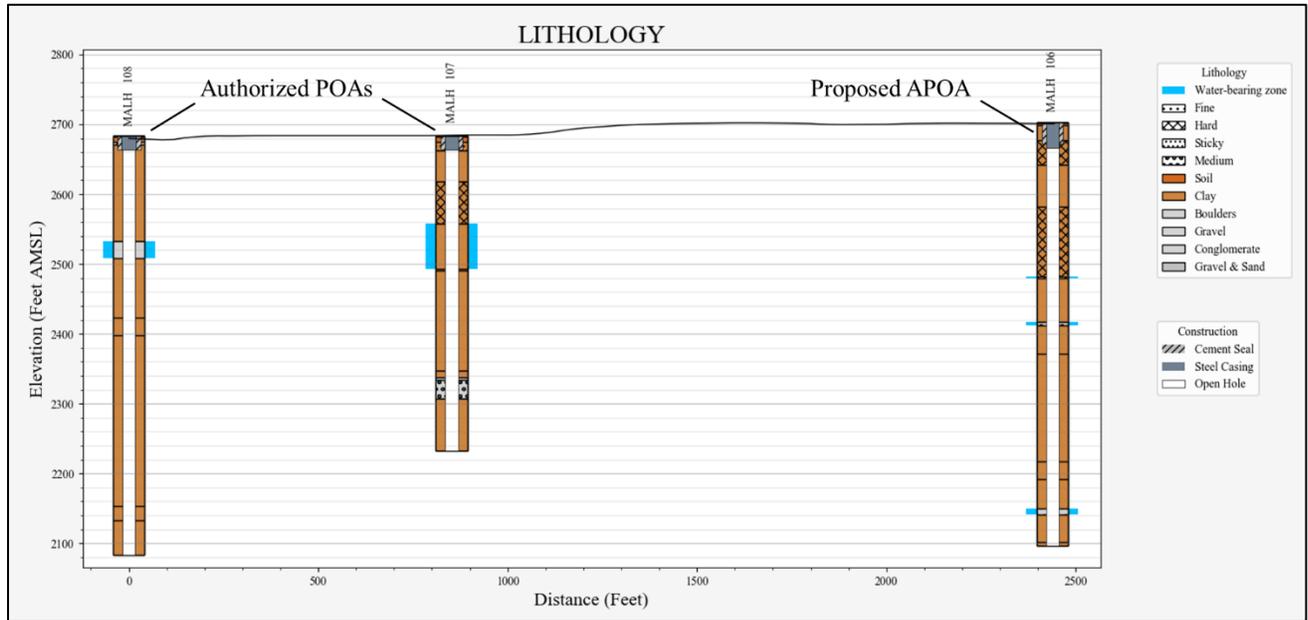
The information provided in the application is insufficient to evaluate whether the proposed transfer may be approved because:

- 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 _____

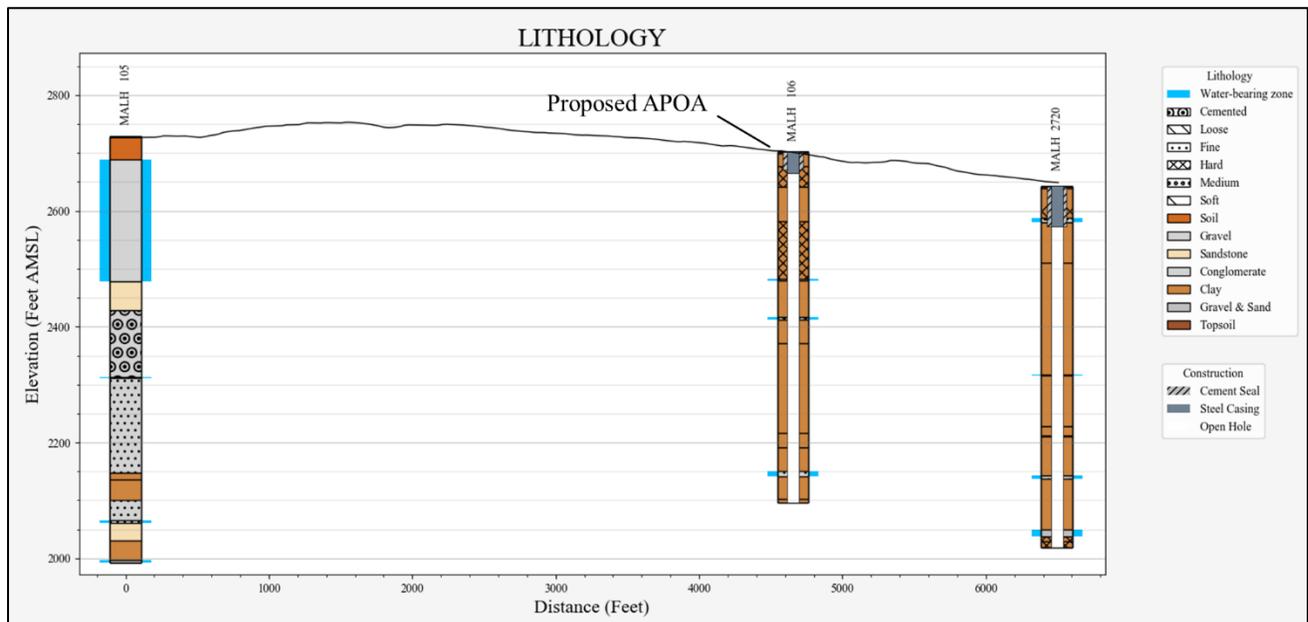
1. Basic description of the changes proposed in this transfer: The applicant proposes to move Place of Use (POU) to provide uniform coverage and add existing well (MALH 106) as an additional point of appropriation to Certificate 82615.
2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?
 Yes No Comments: All wells produce groundwater from alluvium.
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.): 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: There is a possible increase in interference with nearby well MALH 2720, as the proposed APOA well is 1,840' away, versus 3,200' for the nearest authorized POA, MALH 107. The proposed APOA is also currently authorized under permit G-17367 at a rate of 1.0 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: Based on the expected low transmissivity and relatively high storage properties of the unconfined aquifer here, impacts to neighboring wells at distances of greater than ¼ mile are anticipated to be minimal.
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 well is not significantly closer to any surface water source than existing, authorized POA wells.
- 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
- Stream: NA 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: _____
8. Any additional comments: The intent of the proposed changes to Certificate 82615 is to enable more flexibility for both sources and destinations of groundwater. No significant negative impacts are anticipated as a result of the proposed actions.





Cross-section A: Both authorized POA wells and the proposed APOA produce from similar depths and lithologies, based upon reported well log descriptions.



Cross-section B: The proposed APOA well reports similar lithologies as wells in the alluvial valley, though nearby MALH 105 reports encountering significantly different materials, likely due to its position above the valley floor in older sediments in a higher energy depositional setting. In either case, there is no evidence of a significant barrier to groundwater exchange between the two sedimentary sequences.