

Groundwater Transfer Review Summary Form

Transfer/PA # T- 13858

GW Reviewer Phillip I. Marcy Date Review Completed: 10/31/2023

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.



Oregon Water Resources Department
 725 Summer Street NE, Suite A
 Salem, Oregon 97301-1271
 (503) 986-0900
 www.wrd.state.or.us

Ground Water Review Form:

- Water Right Transfer**
- Permit Amendment**
- GR Modification**
- Other**

Application: T-13858

Applicant Name: Stauffer Farm Inc.

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

Reviewer(s): Phillip I. Marcy

Date of Review: 10/31/2023

Date Reviewed by GW Mgr. and Returned to WRSD: JTL6/21/24

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 integrate the authorized POA wells from 5 Certificated rights and one new well (MARI 69905) in order to irrigate all authorized lands with the desired combination of wells.
2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?
 Yes No Comments: All wells correlated to well logs produce from alluvium. The uncorrelated well authorized under Certificate 29406 is assumed to produce from alluvium, as the reported depth on permit G-1494 is 123 feet, which for the area in which it is located is not anticipated to penetrate any other aquifer.
3. a) Is there more than one source developed under the right (e.g., basalt and alluvium)?
 Yes No All rights 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: The proposed changes shift pumping from several wells, most with minimal resulting change in expected pumping volume per season. The largest expected net change in pumping due to the proposed changes is the newly added MARI 69905 (see attached tables). MARI 51008 authorized under Certificate 92328 is the nearest well to proposed APOA MARI 69905, at a distance of 1,235 feet.

MARI 69905 is currently authorized under Permit G-18537 at a maximum rate of 0.673 CFS, limited by the 80% exceedance flow in the resident WAB. Using parameters included in the original application review (G-18923; Travis Brown), an increase in pumping as a result of this transfer is likely to cause injury at MARI 51008, with expected seasonal drawdowns between 15-50 feet. If the maximum rate at MARI 69905 is maintained at the authorized rate under G-18537, however, the most reasonable estimates of drawdown lie between 11-16 feet. In addition, MARI 69905 is proposed as an APOA on GR Modification T-13861, where it, and a combination of other existing wells are replacing abandoned POA MARI 1016.

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: If the maximum pumping rate at MARI 69905 is maintained as currently authorized under Permit G-18537 and the resulting water right from T-13861, nearby rights are anticipated to receive the groundwater that they are legally entitled.

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: No additional pumping is proposed for the given WAB (PUDDING R> MOLALLA R- AB MILL CR), and none of the proposed APOA locations are significantly closer to 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: NA Minimal Significant

Stream: NA Minimal Significant

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?

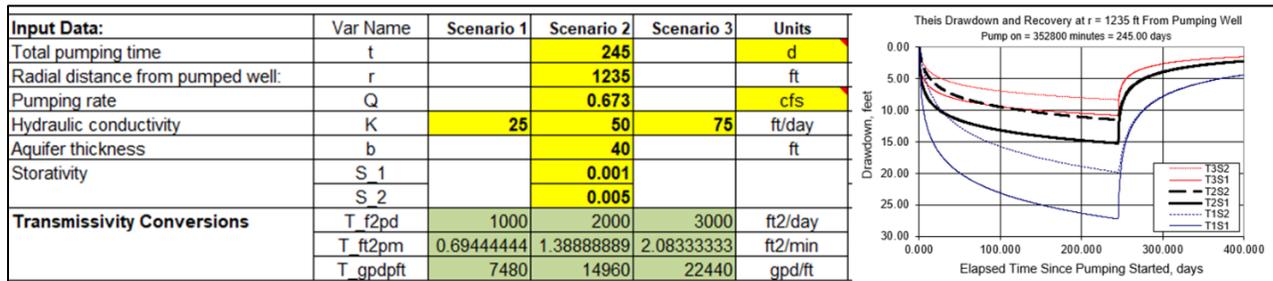
Yes No Comments: NA

7. What conditions or other changes in the application are necessary to address any potential issues identified above: To avoid injury with nearby rights, proposed APOA MARI 69905 shall be limited to its previously authorized rates under Permit G-18923 and GR-751 for a total of 1.23 CFS.

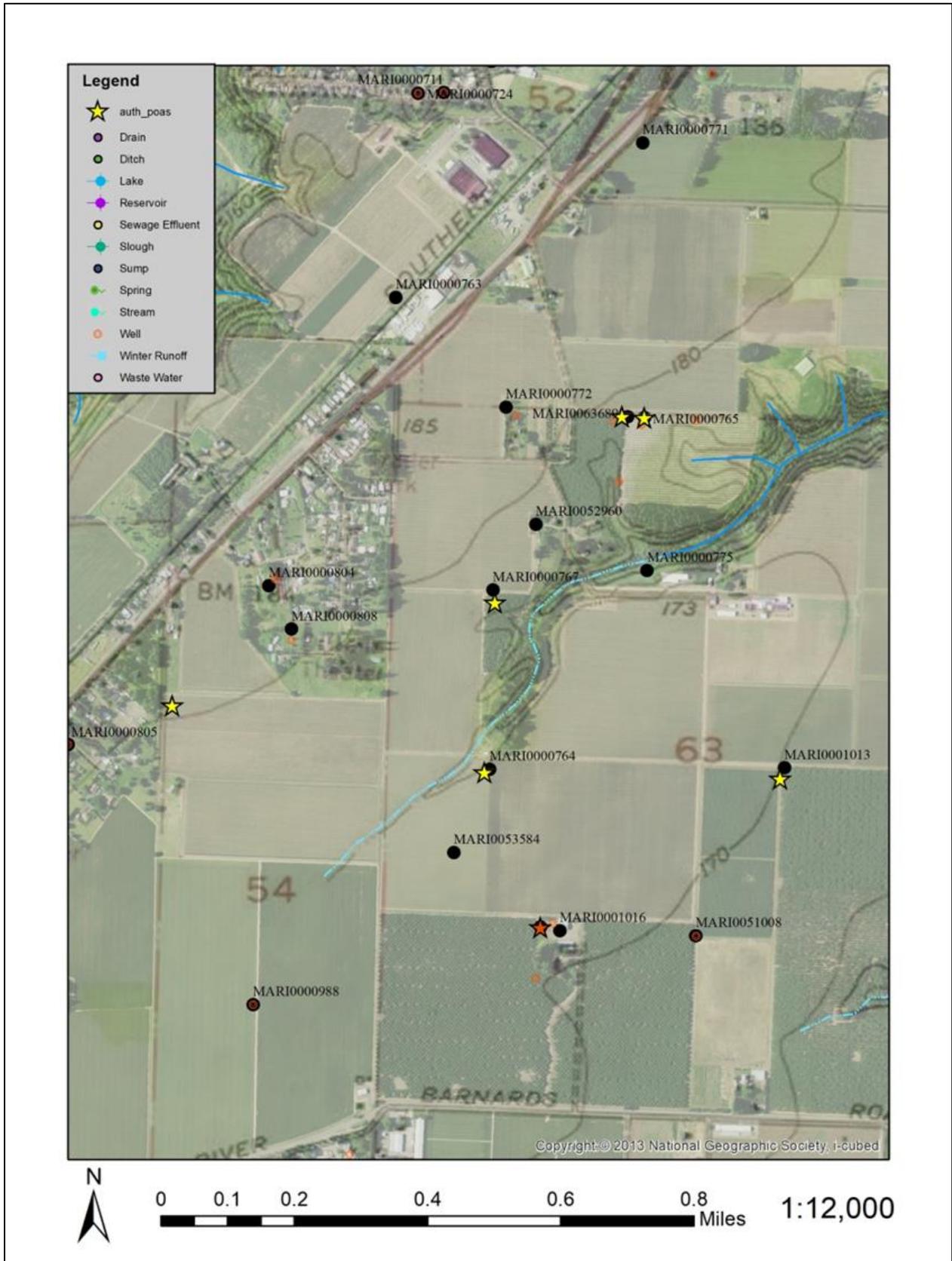
8. Any additional comments: _____

| Authorized | | | | | | |
|------------|-------|-------|-------|-------|-------|-----------|
| | 29406 | 40438 | 46907 | 56269 | 89385 | Total CFS |
| No Log ID | 0.22 | | | | | 0.22 |
| MARI 765 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 |
| MARI 63689 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 |
| MARI 767 | 0.00 | 0.00 | 0.98 | 0.00 | 0.00 | 0.98 |
| MARI 764 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.90 |
| MARI 69905 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MARI 1013 | 0.00 | 0.69 | 0.00 | 0.00 | 0.00 | 0.69 |
| Proposed | | | | | | |
| | 29406 | 40438 | 46907 | 56269 | 89385 | Total CFS |
| No Log ID | 0.03 | | | | | 0.03 |
| MARI 765 | 0.03 | 0.12 | 0.16 | 0.15 | 0.09 | 0.55 |
| MARI 63689 | 0.03 | 0.12 | 0.16 | 0.15 | 0.09 | 0.55 |
| MARI 767 | 0.03 | 0.12 | 0.16 | 0.15 | 0.09 | 0.55 |
| MARI 764 | 0.03 | 0.12 | 0.16 | 0.15 | 0.09 | 0.55 |
| MARI 69905 | 0.03 | 0.12 | 0.16 | 0.15 | 0.09 | 0.55 |
| MARI 1013 | 0.03 | 0.12 | 0.16 | 0.15 | 0.09 | 0.55 |

The table above shows the current authorizations for each well under each right before the proposed transfer (top) versus the estimated pumping rate at each well as a result of the transfer as proposed. These totals do not include pumping rates authorized by other rights, they merely reflect the estimated redistribution of pumping from the rights involved in this transfer.



Drawdown calculations for MARI 69905 impacts to neighboring MARI 51008 at currently authorized rate of 0.673 CFS. Increases in rate at this proposed APOA may result in injury to neighboring right Certificate 92328.



Yellow stars represent authorized POA wells under the certificates involved in this transfer. The red star indicates the position of MARI 69905, which is authorized under Permit G-18923, which is not involved in this proposed transfer.

