

Groundwater Transfer Review Summary Form

Transfer/PA # T- 13681

GW Reviewer Michael Thoma

Date Review Completed: 05/06/2021

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 (Drought Temporary)
GR Modification
Other

Application: T-13681 (Klamath Drought)

Applicant Name: MLM Property LLC

- Proposed Changes: POA, APOA, SW-GW, RA, USE, POU, OTHER

Reviewer(s): Michael Thoma

Date of Review: 05/06/2021

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 change the POA for 57.5 acres on Permit G-18390 from the authorized two POAs (KLAM0053043 and KLAM0010518) to a new POA (KLAM0057387).

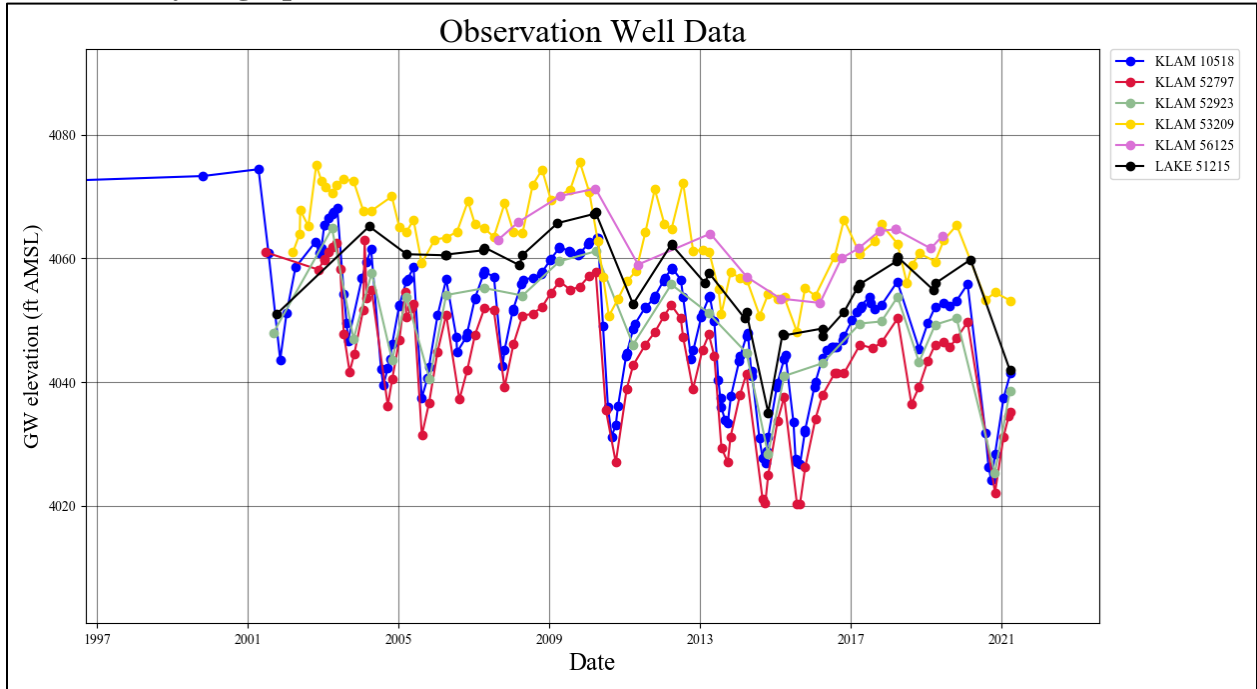
2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA? Yes No Comments: The authorized two wells and the proposed third well are all producing from the late-tertiary volcanic rock aquifer which is laterally extensive across the region (described as "hard basalt" on driller's logs).

3. a) Is there more than one source developed under the right (e.g., basalt and alluvium)? Yes No

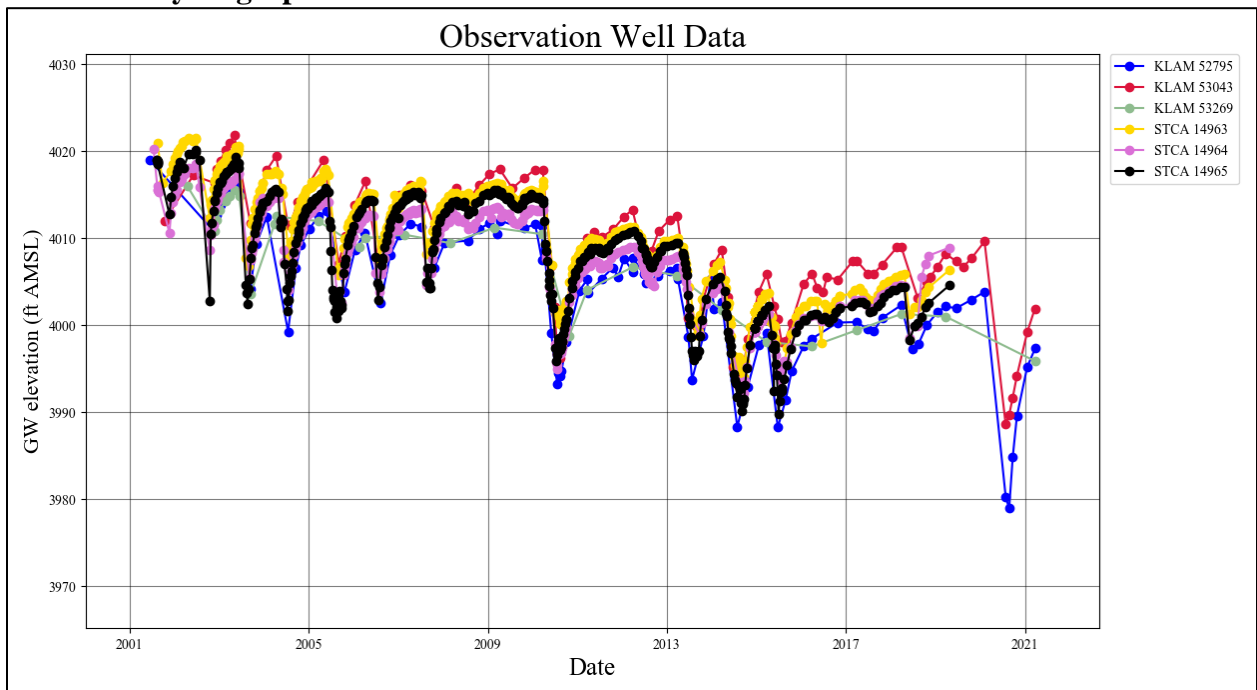
b) If yes, estimate the portion of the right supplied by each of the sources and describe any limitations that will need to be placed on the proposed change (rate, duty, etc.):

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 proposed change would move appropriation under Permit G-18390 from two wells, six miles apart, to one well in an area with existing groundwater development.
- 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: Irrigation wells in the area of the proposed POA are typically around 1000 ft deep and producing from the high-yield volcanic aquifer system. Water levels are 40-60 ft below land surface and seasonal drawdown is less than 50 ft so the proposed change will not result in existing rights not receiving water.
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: _____
- 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: N/A
7. What conditions or other changes in the application are necessary to address any potential issues identified above: _____
8. Any additional comments: Water levels in this area have shown persistent declines over the past 20 years with the largest declines exceeding 30 ft in the area of the proposed POA (KLAM0057387). One of the original authorized POAs under Permit G-18390 (KLAM0010518) is located away from the area of the largest declines but still where water level declines have exceeded 20 ft. The proposed transfer would move the full appropriation under this permit closer to the area of the largest declines and concentrate pumping in that area, which will contribute to the long-term declines already observed.

Multi-well hydrograph for area of KLAM0010518



Multi-well hydrograph for area of KLAM0057387



Transfer Review Map

