

Groundwater Transfer Review Summary Form

Transfer/PA # T- 13411 (temporary drought)

GW Reviewer Michael Thoma Date Review Completed: 04/20/2020

Summary of Enlargement (Same Source) Review:

The proposed transfer fails to keep the original place of use from receiving water from the same source.

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.

Summary of 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 (temporary)
- GR Modification
- Other

Application: T-13411 (temporary drought)

Applicant Name: Duncan Family Trust

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

Reviewer(s): Michael Thoma

Date of Review: 4/20/2020

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 on Permit G-15547 from the authorized POA (KLAM 53717) to an existing well (KLAM 57323) and change the POU for 114 acres under the same permit. Permit G-15547 authorizes 13.5 cfs for supplemental irrigation of 1080.9 acres. It is estimated that this proposed transfer would move ~1.4 cfs to KLAM 57323. KLAM 57323 is a deepening log and is likely tied to KLAM 14945.
2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?
 Yes No Comments: Although KLAM 53717 is only 556 ft deep and KLAM 57323 is ~1500 ft deep, both wells appear to producing from the same aquifer systems, especially when compared to other wells nearby to each well. Moreover, water level data show similar trends across much of the Northern Tule Lake valley.
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 POA is in an area with a higher density of existing groundwater rights including about ten POAs within 1 mile of the proposed POA.

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: Many of the irrigation wells in the area yield large amounts of water (over 1000 gpm as reported on well reports) due to the high transmissivity of the aquifer system, and so the additional interference brought about by this proposed transfer will not likely result in injury.

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: There are no surface water sources (as it relates to OAR 690-009) in the vicinity the proposed POA.

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: _____

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

8. Any additional comments: _____

Hydrograph for wells in the area of the proposed and authorized POAs showing hydraulic continuity between sites.



