

# Groundwater Transfer Review Summary Form

Transfer/PA # T- 13393

GW Reviewer J. Hackett Date Review Completed: May 28, 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
- GR Modification
- Other – District Temp. Transfer

Application: T-13393

Applicant Name: Echo Irrigation District

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

Reviewer(s): J. Hackett

Date of Review: May 28, 2020

Date Reviewed by GW Mgr. and Returned to WRSD: JTI 6/1/2020

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: This temporary transfer includes 9 groundwater rights within the Stage Gulch Critical Groundwater Area. The water rights and proposed transfers are as follows:

- Cert 74762 – 57.55 acres “from” and “to” UMAT 1347, UMAT 1341, UMAT 1238, UMAT 1286, and UMAT 1294. All wells are located in Subarea D. This is a change in POU only.
- Cert: 80849 – 352.5 acres “from” UMAT 54853 and UMAT 1329, “to” UMAT 3010, UMAT 1369 and UMAT 1361. All 5 wells located within Subarea H.
- Cert: 80850 – 128.74 acres “from” UMAT 1282 and UMAT 1300, “to” UMAT 3010. UMAT 1282 is located in Subarea D while UMAT 1300 and UMAT 3010 are located in Subarea H.
- Cert: 85124 – 128.32 acres primary irrigation and 125.47 acres supplemental irrigation “from” UMAT 1347, UMAT 1341, UMAT 1295, UMAT 1238, UMAT 1286 and UMAT 1294, “to” UMAT 3010, UMAT 1347, UMAT 1341, UMAT 1295, UMAT 1238, UMAT 1282, UMAT 1294, UMAT 1300, and UMAT 1351. UMAT 3010, UMAT 1351, UMAT 1295, and UMAT 1300 are located in Subarea H while the other wells are located in Subarea D.

- **Cert 87042** – 98.87 acres “from” UMAT 1347, UMAT 1341, UMAT 1238, UMAT 1286, and UMAT 1294, “to” UMAT 1347, UMAT 1341, UMAT 1238, UMAT 1286, and UMAT 1294. All wells are located in Subarea D. This is a change in POU only.
- **Cert: 87666** – 81.02 acres “from” UMAT 1295, UMAT 1300, UMAT 1326, and UMAT 54853 “to” UMAT 1295, UMAT 1351, and UMAT 3010 (56.1 acres). All wells are located in Subarea H.
- **Cert: 87667** – 111.14 acres “from” UMAT 1295, UMAT 1300, UMAT 1326, and UMAT 54853 “to” UMAT 3010. All wells are located in Subarea H.
- **Cert: 92001** – 125.47 acres “from” UMAT 1238, UMAT 1286, UMAT 1294, UMAT 1341, and UMAT 1347, “to” UMAT 1238, UMAT 1286, UMAT 1294, UMAT 1341, and UMAT 1347. All wells are located in Subarea D. This is a change in POU only.
- **Cert: 94107** – 13.9 acres “from” and “to” UMAT 54154. This well is located in Subarea A. This is a change in POU.

This district has annually proposed temporary transfers which involve multiple additional POAs and changes in POU. This proposal is similar. All wells involved in the transfer develop the same basalt groundwater source within the same subareas (D & H) of the Stage Gulch Critical Groundwater Area.

2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?  
 Yes    No   Comments: All of the POAs produce from water-bearing zones in the Columbia River Basalt aquifer system and are located in subareas D and H of the Stage Gulch Critical Groundwater Area.
3. a) Is there more than one source developed under the right (e.g., basalt and alluvium)?  
 Yes    No See above

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: Previous use of proposed wells for similar temporary transfers has not appeared to have caused significant interference with other wells.

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: \_\_\_\_\_
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: All wells involved in this transfer are currently authorized on existing groundwater rights. No additional impacts to surface water are anticipated.

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: Approval of temporary transfers within the Stage Gulch Critical Groundwater Area complicates the annual task of allocating water to the water users. It is typical that a single flowmeter is installed at each authorized well. Pumping under an approved temporary transfer often results in water authorized under multiple rights of record being recorded by a single flowmeter. Additional flowmeters have been more recently installed and the use reported at 45 individual fields within Hale Farms. However, these meters merely record total water use from all sources, including surface water as well as groundwater. Without additional information, including maps that correlate the water right(s) with each field number, and the specific well(s) which pumped water to these fields, if known, it is problematic to use the data collected at these additional meters. Previous allocations were typically based on rough estimates of the proportion of the total water pumped under each of the rights. It appears that this practice will continue despite the additional metering.

8. Any additional comments: \_\_\_\_\_

Well Location Map

T-13393, Echo Irrigation District

1:100,000 scale

