

Groundwater Transfer Review Summary Form

Transfer/PA # T- 13394

GW Reviewer J. Hackett Date Review Completed: August 3, 2020

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: Temporary Transfer

Application: T-13394

Applicant Name: Castle Rock Farming, LLC

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

Reviewer(s): J. Hackett

Date of Review: August 3, 2020

Date Reviewed by GW Mgr. and Returned to WRSD: JTI 8/4/2020

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 proposes changes to two Certificates. Certificates 76263 and 79993 authorize use from Sparks Well (UMAT 1224). T-13163 proposes to add UMAT 1215 (L&L Well #1), UMAT 1216 (L&L Well #2, and UMAT 1214 (L&L Well #3) to both certificates. This application also proposes adding UMAT 2881 (Mills N Well) to Certificate 76263.
2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?
 Yes No Comments: All subject wells produce water from water-bearing zones in the Columbia River Basalt Group aquifer system. As shown below in the Well Location Map, the five wells are located in the same subarea (A) of the Stage Gulch Critical Groundwater Area, which is managed as a single source. The subject wells have similar water-level elevations and trends (see below).
3. a) Is there more than one source developed under the right (e.g., basalt and alluvium)?
 Yes No See Section 2 comments.
 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: UMAT 2881 is located approximately seven miles north of the authorized POA (UMAT 1224). It will interfere with a different group of 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: Due to the characteristically high transmissivity of Columbia River Basalt Group aquifers, drawdown at nearby wells is expected to be on the order of inches. This is not likely to prevent nearby users from accessing 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: The authorized and proposed additional POAs are developing deep basalt aquifers and are not efficiently connected to nearby 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: _____ Minimal Significant

Stream: _____ Minimal Significant

Provide context for minimal/significant impact: _____

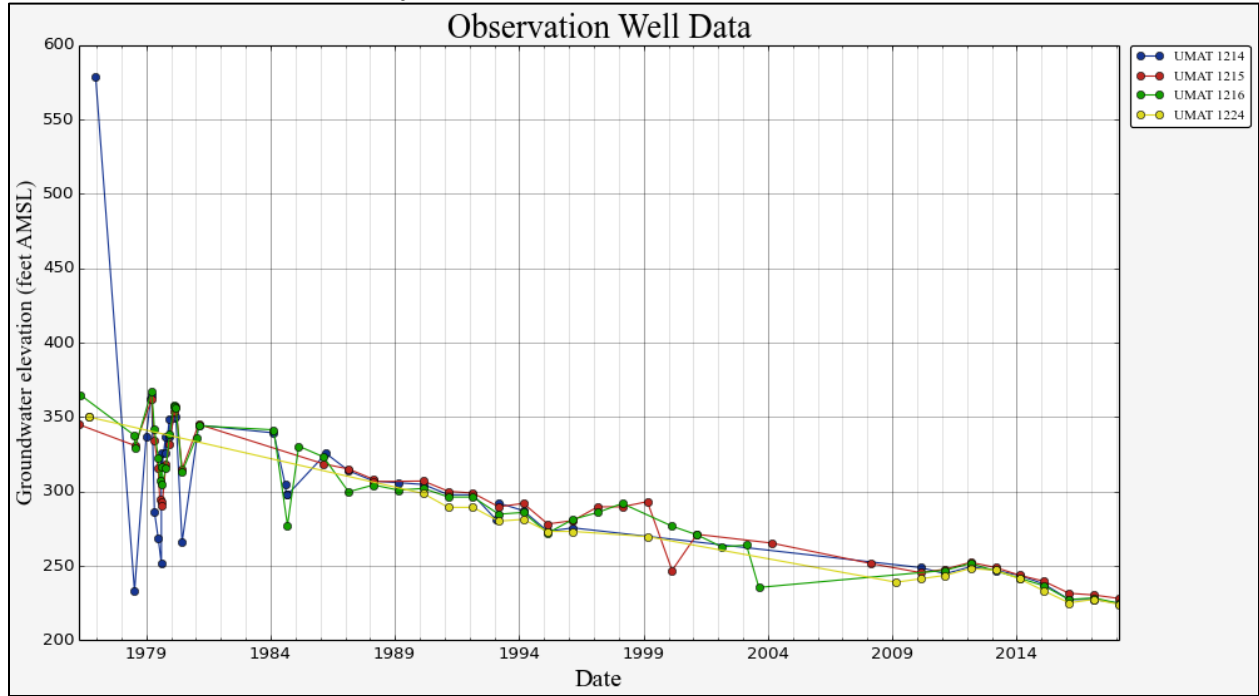
6. For SW-GW transfers, will the proposed change in point of diversion affect the surface water source similarly (as per OAR 690-380-2130) to the authorized point of diversion specified in the water use subject to transfer?

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: _____

Water-Level Trend in Nearby Wells



Well Location Map

