Groundwater Transfer Review Summary Form

Transfer/PA # T- _14488_

GW Reviewer _Phillip I. Marcy_ Date Review Completed: _10/22/2024_

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

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-14488 Applicant Name: Baker Valley Farms Holdings, LLC

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

Reviewer(s): Phillip I. Marcy Date of Review: 10/22/2024

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 replace the previously authorized location of POA 1 under Permit G-17563 ("Well 1") with the actual location of POA 1 ("Well 1A"), which was drilled as BAKE 52513. This well, in addition to recently constructed BAKE 53000 and BAKE 53001 under Permit G-17563 were also included on recent application G-19361, with the legal location of BAKE 52513 matching that as proposed on this application.

2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?
☒ Yes ☐ No Comments: The POA well "1A" and other wells all produce from bedrock as specified in Permit G-17563. The driller reported significantly higher water level elevation in BAKE 53000 upon completion than the other two authorized wells (see attached hydrograph) but produces groundwater from similar depth of open interval.

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.): 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 location for POA 1 is 215' north of the authorized location, which is not significantly closer to any other groundwater right producing from the bedrock aquifer.

   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: NA

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: On the original review, the source aquifer was targeted to avoid hydraulic connection with local surface water sources. It remains to be determined whether there is a significant barrier between the bedrock aquifer and surface water but based upon the original assessment there would not be a change in impacts. If hydraulic connection does exist between the target aquifer and surface water, the small change in well location is unlikely to substantially alter the degree and timing of impact, since this connection would be diffuse and indirect, resulting in a delay to the onset of impacts that would continue well beyond the period of groundwater withdrawal.

   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: _____

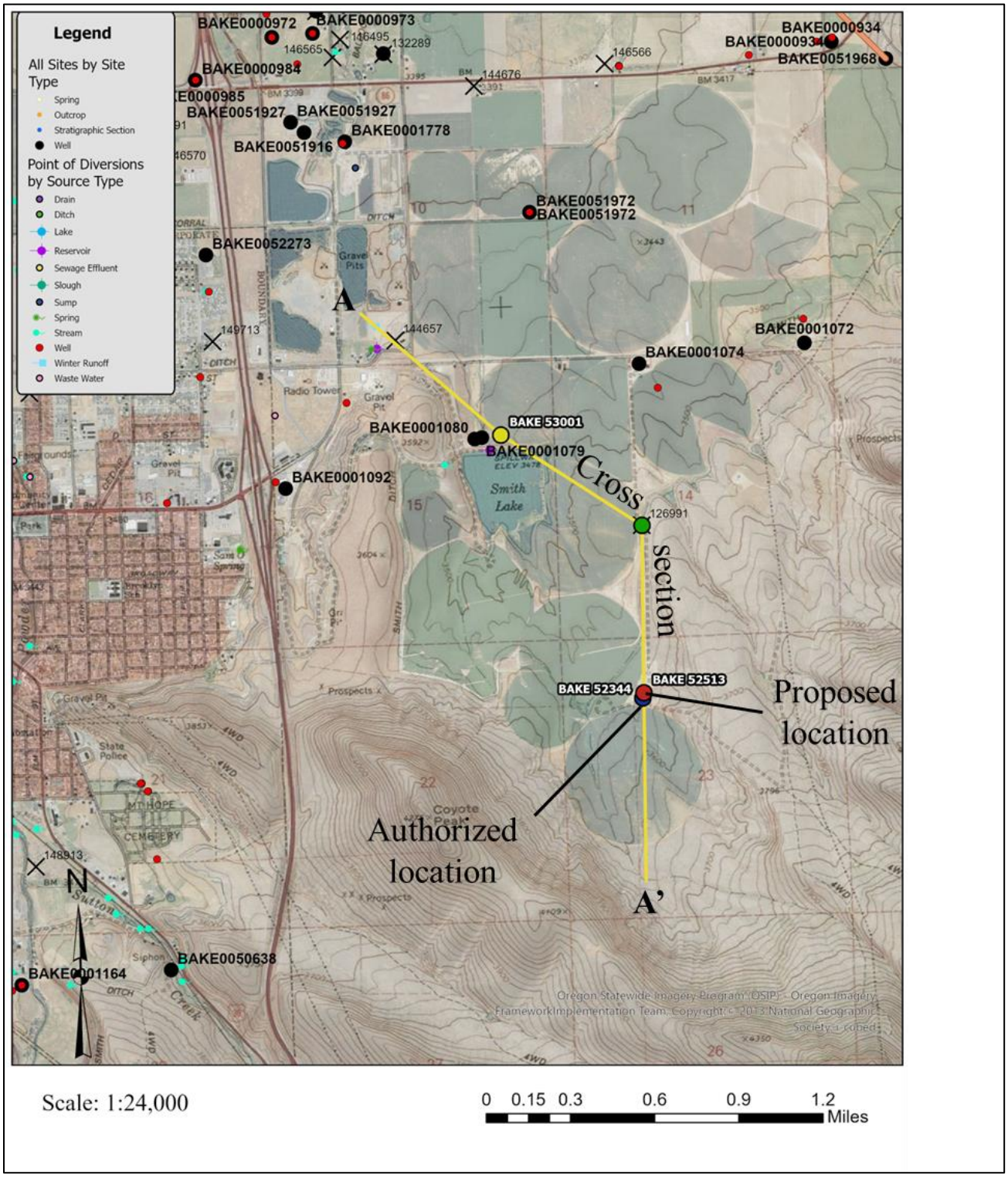
6. For SW-GW transfers, will the proposed change in point of diversion affect the surface water source similarly (as per OAR 690-380-2130) to the authorized point of diversion specified in the water use subject to transfer?

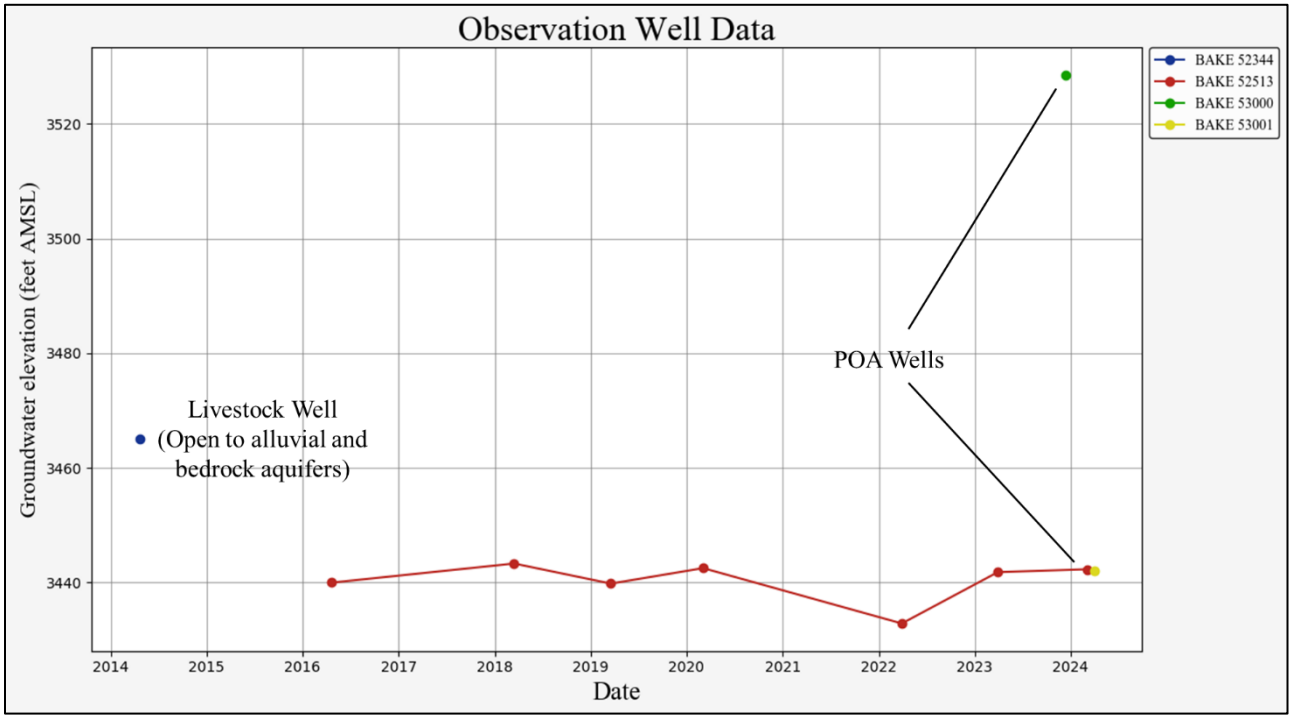
   ☐ Yes ☐ No Comments: NA

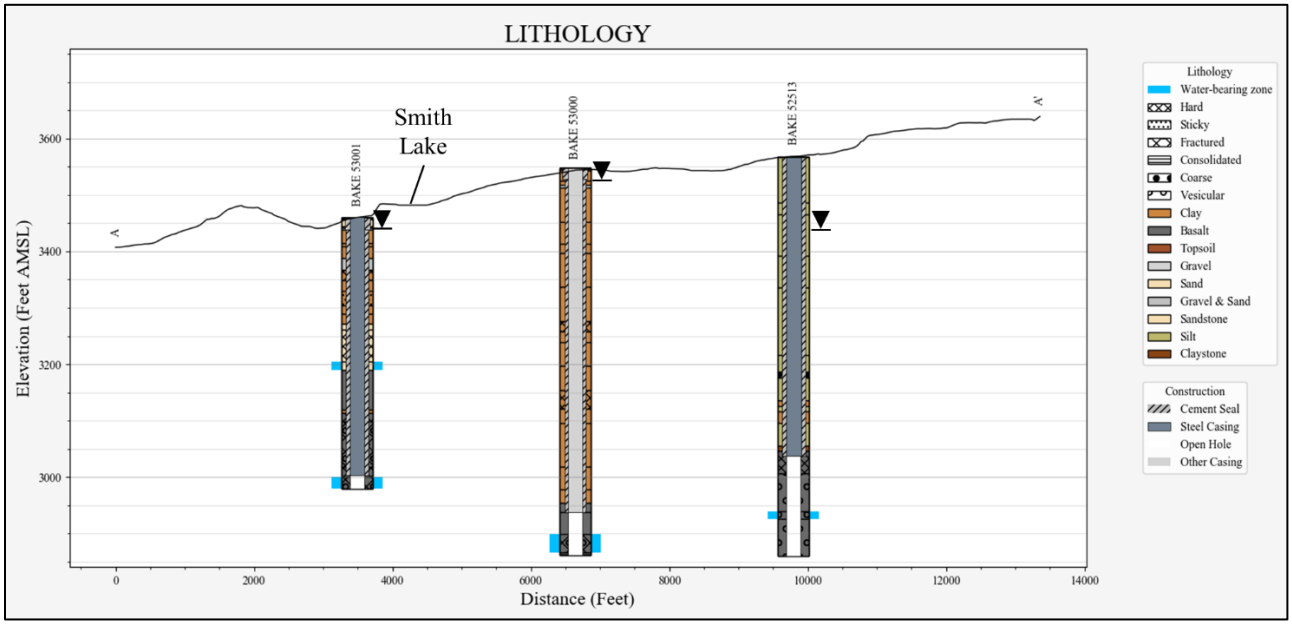
7. What conditions or other changes in the application are necessary to address any potential issues identified above: _____

8. Any additional comments:_____

Location Map




Observation Well Data
BAKE 52344
BAKE 52513
BAKE 53000
BAKE 53001
Groundwater elevation (feet AMSL)
3520
3500
3480
3460
3440
Livestock Well
(Open to alluvial and
bedrock aquifers)
POA Wells
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
Date


LITHOLOGY
Smith
Lake
BAKE 53001
BAKE 53000
BAKE 52513
A
A'
Elevation (Feet AMSL)
3600
3400
3200
3000
0
2000
4000
6000
8000
10000
12000
14000
Distance (Feet)
Lithology
Water-bearing zone
Hard
Sticky
Fractured
Consolidated
Coarse
Vesicular
Clay
Basalt
Topsoil
Gravel
Sand
Gravel & Sand
Sandstone
Silt
Claystone
Construction
Cement Seal
Steel Casing
Open Hole
Other Casing