

Groundwater Transfer Review Summary Form

Transfer/PA # T- 14466 (RA)

GW Reviewer Steve Ahlquist Date Review Completed: 11/7/2025

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 Water Level Decline Condition Review:

Water levels at the original point(s) of appropriation have exceeded the allowed decline threshold defined by conditions in the originating water right.

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**
- GR Modification**
- Other**

Application: T-14466 RA

Applicant Name: Eagle Eye Ventures LLC

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

Reviewer(s): Steve Ahlquist

Date of Review: 11/7/2025

Date Returned to WRSD: 11/7/2025

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 _____

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1. Basic description of the changes proposed in this transfer: This review is for the amended application received on September 9, 2025, and supersedes the previous groundwater review completed on October 4, 2024. The applicant proposes to add two additional point of appropriation (APOA) wells to Certificates 73168 and 73169, which currently authorizes groundwater use from three horizontal collector wells for supplemental irrigation. The applicant also proposes to change the place of use (POU) for the rights listed above in addition to the water rights authorized under Certificates 4117, 74205, and 83237.
 2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?
 Yes No Comments: The three existing groundwater POAs consist of horizontal collector wells, or “drain tiles”, buried 3 to 4 feet below the surface. The shallow depth of these POAs limits production to water in the near-surface (i.e. from springs and infiltrated irrigation), which limits their impact on groundwater levels in the underlying aquifer. In contrast, the two proposed APOA wells would be about 50 feet deep, sealed to roughly 20 feet below the surface, and would draw water directly from the alluvial aquifer. Because these proposed POAs would not be restricted to near-surface water, they would likely cause greater drawdown in the aquifer. If the applicant’s authorized POAs are no longer producing their authorized volume of water, the proposed APOAs could result in enlargement. This enlargement could further lower groundwater levels and reduce groundwater discharge to nearby surface waters.

3. a) Is the existing authorized POA subject to a water level decline condition?
 Yes No Comments: _____
- b) If yes, for each POA identify the reference level, most recent spring-high water level, and whether an applicable permit decline condition has been exceeded: N/A
4. a) Is there more than one source developed under the right (e.g., basalt and alluvium)?
 Yes No Comments: All authorized POAs produce from shallow spring sources
- 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.): N/A
5. 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 closest known well completed in the shallow alluvial aquifer is BAKE 52810, located approximately 2,000 feet northeast of proposed Well 5. The proposed APOAs may obtain water from the same aquifer developed by BAKE 52810. The deeper open interval (20 to 50 feet bls) of the proposed APOAs compared to the shallow open interval of the authorized POAs (3 to 5 feet bls) will result in greater drawdown in the alluvial aquifer and increased potential for interference with BAKE 52810. BAKE 52810 is an exempt livestock well completed to 200 feet bls with a reported static water level of 35 feet bls at the time of drilling in November 2021.
- 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: The Theis (1935) solution for drawdown in a confined aquifer was used to assess potential injury at BAKE 52810 and other nearby wells from pumping at the proposed APOAs. Assuming a range of hydraulic parameters typical for poorly sorted alluvial fan/terrace sediments, the analysis indicates that drawdown at BAKE 52810 would likely be less than 15 feet after 61 days of continuous pumping at the maximum proposed rate of 5.46 cfs to reach the full duty under Certificates 73168 and 73169. However, based on reported well yields in the area, it is unlikely that the combined yield of the proposed APOAs would exceed 2.0 cfs. Well reports show a median yield of 20 gpm and a maximum yield of 50 gpm. Assuming a maximum combined pumping rate of 2.0 cfs, the estimated interference at BAKE 52810 would be less than 14 feet after 165 days of continuous pumping. The proposed change is not expected to result in substantial or undue interference at BAKE 52810 or other nearby groundwater users.
6. 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 POAs and proposed APOAs would similarly capture water that would otherwise discharge to Marble Creek. However, if additional water is available for use via the proposed APOAs, this additional volume of water will be balanced by an increase in streamflow depletion to Marble Creek.
- 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: Marble Creek Minimal Significant
 Stream: _____ Minimal Significant
 Provide context for minimal/significant impact:

7. 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

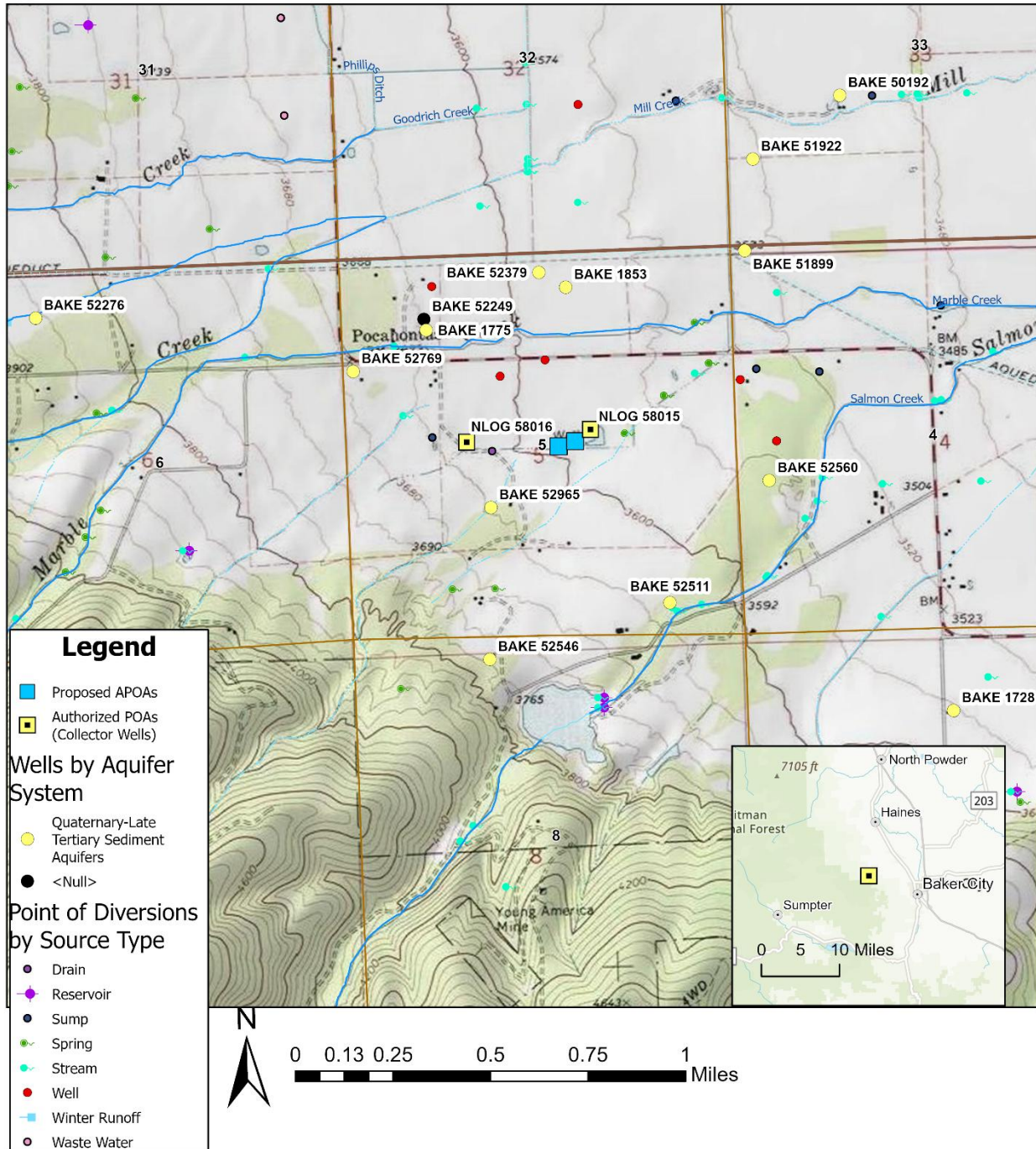
8. What conditions or other changes in the application are necessary to address any potential issues identified above:

9. Any additional comments: _____

Well Location Map

T14466

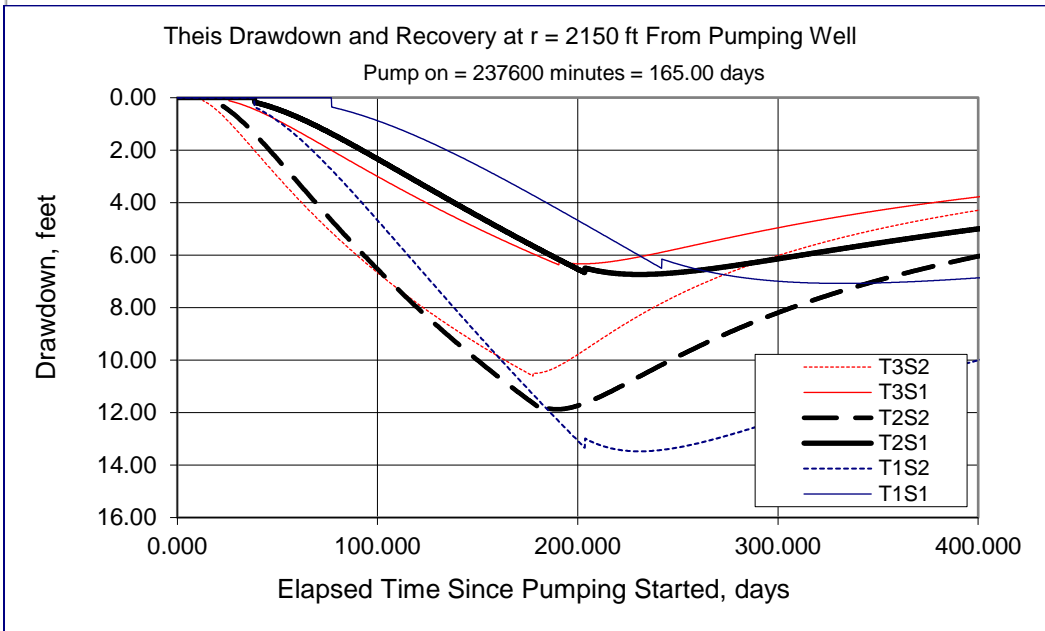
Eagle Eye Ventures LLC



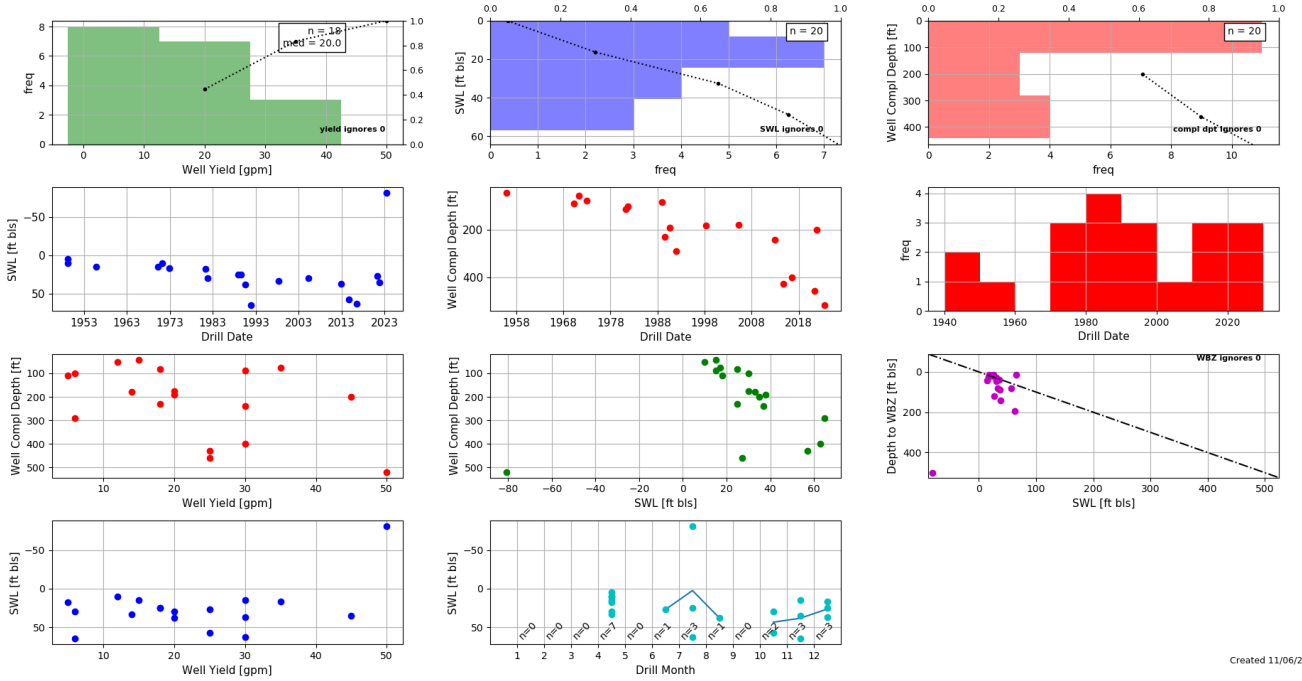
Theis Interference Analysis – Proposed APOAs to BAKE 52810

Theis Time-Drawdown Worksheet v.5.00
 Calculates Theis nonequilibrium drawdown and recovery at any arbitrary radial distance, r, from a pumping well for 3 different T values and radial distance, r, from a pumping well for 3 different T values and 2 different S values.
 Written by Karl C. Wozniak September 1992. Last modified December 17, 2019

Input Data:	Var Name	Scenario 1	Scenario 2	Scenario 3	Units	
Total pumping time	t		165		d	
Radial distance from pumped well:	r		2150		ft	Q conversions
Pumping rate	Q		2		cfs	897.60 gpm
Hydraulic conductivity	K	5	10	15	ft/day	2.00 cfs
Aquifer thickness	b		100		ft	120.00 cfm
Storativity	S_1		0.1			172,800.00 cfd
	S_2		0.05			3.97 af/d
Transmissivity Conversions	T_ftpd	500	1000	1500	ft ² /day	
	T_ftpm	0.347222	0.694444	1.041667	ft ² /min	
	T_gpdpft	3740	7480	11220	gpd/ft	
						<input type="button" value="Recalculate"/>



Well Statistics – T8S R39E S5



Created 11/06/2025