

Groundwater Transfer Review Summary Form

Transfer/PA # T- 14837

GW Reviewer Joe Kemper Date Review Completed: 5/1/2026

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-14837

Applicant Name: Roats Water System Inc.

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

Reviewer(s): Joe Kemper

Date of Review: 5/1/2026

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 _____

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1. Basic description of the changes proposed in this transfer: Permit G-18079 authorizes 1485 AF/yr at a max rate of 4.16 cfs for year-round quasi-municipal use from two wells (DESC 5655 and DESC 5654). This permit amendment proposes to add two POAs (DESC 5626 and DESC 8543) to the existing water right.
 2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?
☒ Yes ☐ No Comments: The authorized and proposed wells access the Deschutes regional aquifer in the Bend area. Water level elevations in the FROM and TO wells are approximately 3440 feet AMSL.
 3. a) Is the existing authorized POA subject to a water level decline condition?
☒ Yes ☐ No Comments: Permit G-18079 requires annual measurements in March. The reference level is to be the first measurement after the first season of use. The first reported use was in 2021.
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: See table below.
 4. a) Is there more than one source developed under the right (e.g., basalt and alluvium)?
☐ Yes ☒ No 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.): _____

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: This permit amendment would move pumpage closer to certain groundwater users. The aquifer has a saturated thickness of at least 500 feet and has high transmissivity and storage. Any increase in well-to-well interference is not likely to exceed 10 feet.
- 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: see comments above.
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 target aquifer is largely disconnected from surface water until the confluence area of the Deschutes and Crooked Rivers 25 miles to the north. Pumping from the APOAs would move groundwater use approximately 1.5 miles closer to that confluence area.
- 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: Crooked River ☒ Minimal ☐ Significant
Stream: Deschutes River ☒ Minimal ☐ Significant
Provide context for minimal/significant impact: The timing and magnitude of stream depletion from the proposed changes is expected to be negligible considering the distances to the nearest point of GW-SW interaction.
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: NA
8. What conditions or other changes in the application are necessary to address any potential issues identified above: _____
9. Any additional comments: _____

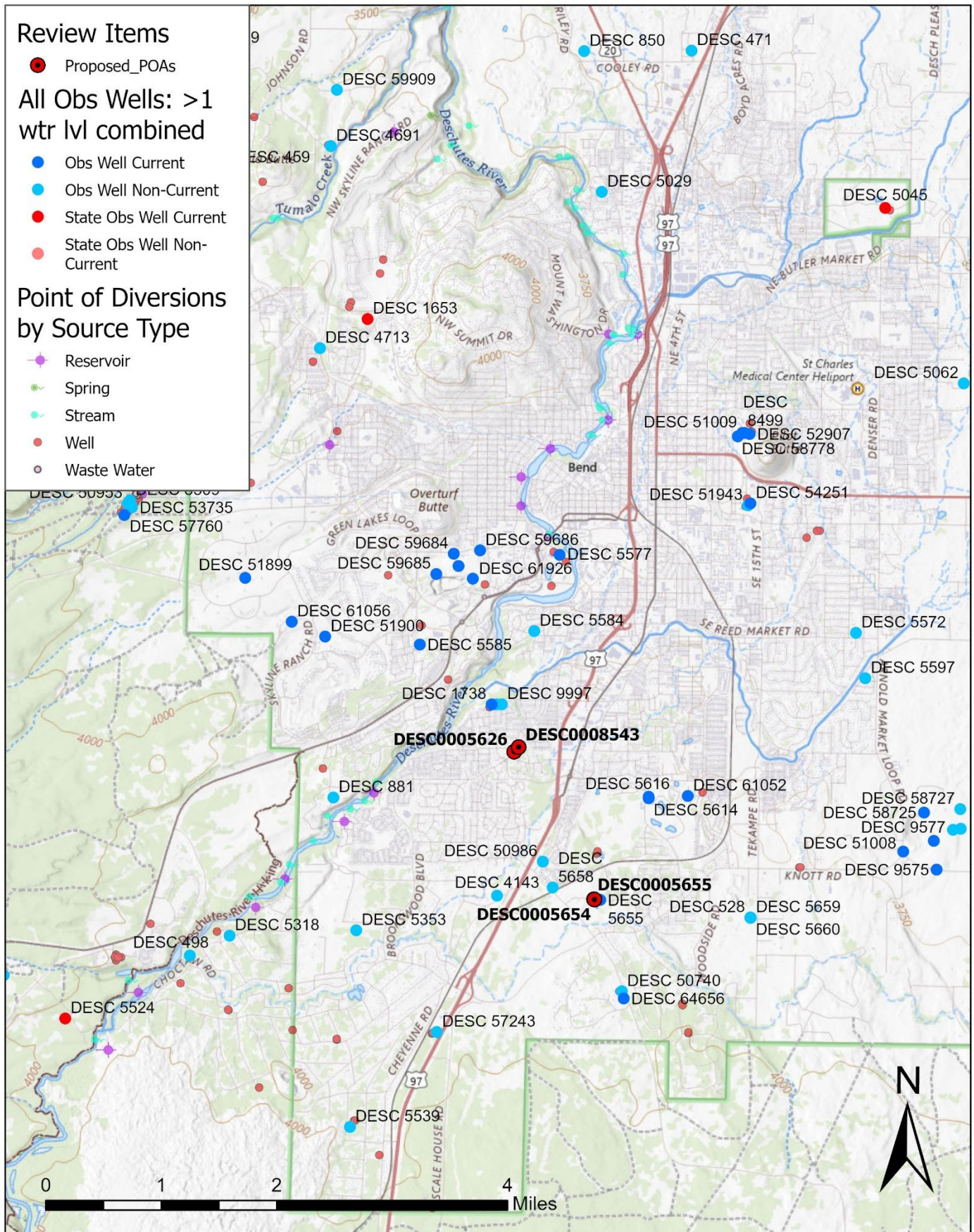
Transfer Wells

POA #	POA Name	POA Status	OWRD LOGID	TRS	Legal Location
1	Hole Ten Well 1	Authorized	DESC 5655	18S/12E-20 SW-NE	S 57°51'49" W, 2673' fr NW cor S 20
2	Hole Ten Well 2	Authorized	DESC 5654	18S/12E-20 SW-NE	S 57°51'49" W, 2673' fr NW cor S 20
3	Well 4	Proposed	DESC 5626	18S/12E-18 NE-NE	55' S , 835' W fr NW cor S 17
4	Well 9	Proposed	DESC 8543	18S/12E-7 SE-SE	160' N, 630' W fr NW cor S 17

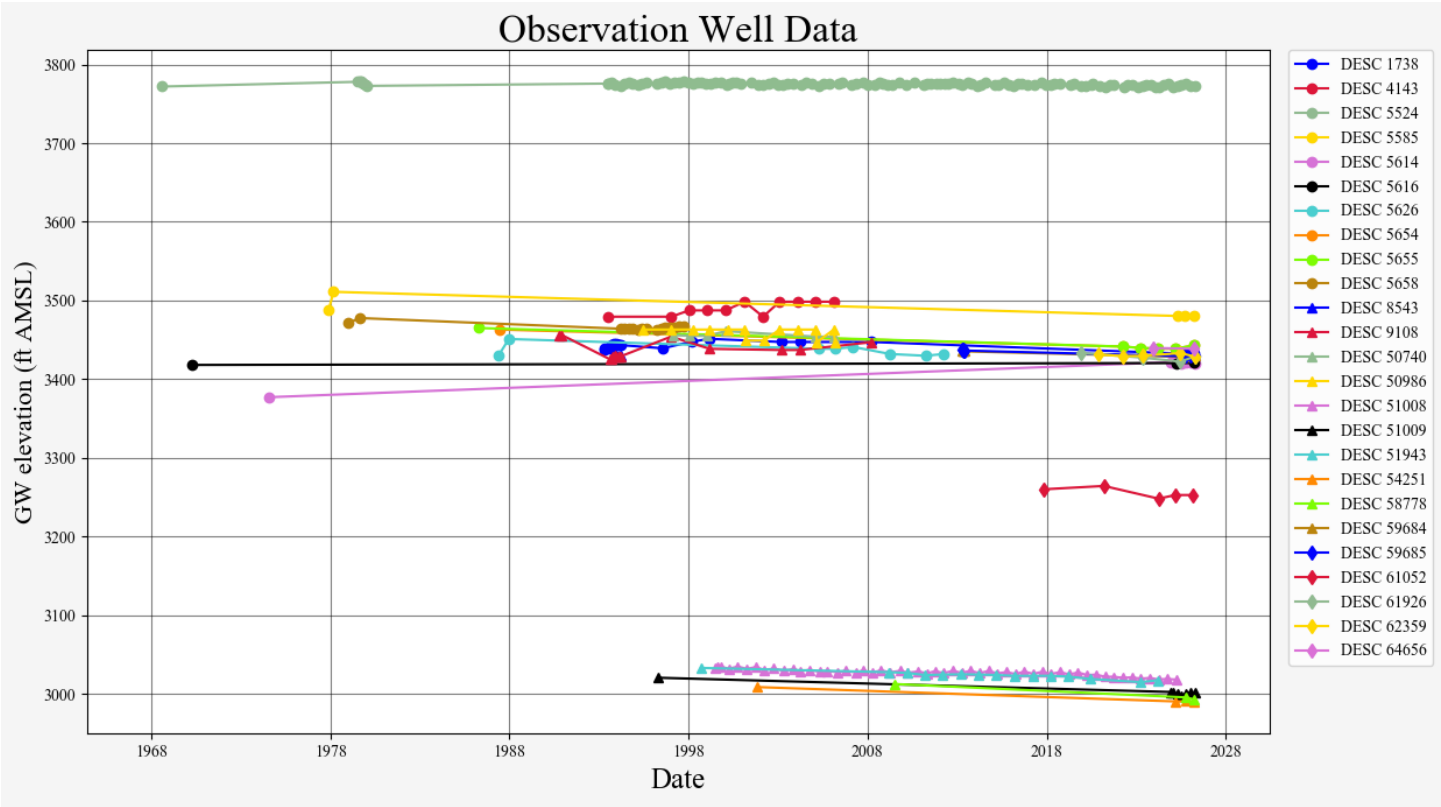
Decline Condition Evaluation

POA #	POA Name	OWRD LOGID	Reference Level (ft blsd)	Reference Level Date	Most Recent Water Level	Water Level Date	Decline
1	Hole Ten Well 1	DESC 5655	433.66	4/12/2022	432.15	3/30/2026	-1.51
2	Hole Ten Well 2	DESC 5654	433.66	4/12/2022	432.12	3/30/2026	-1.54

Transfer Map



Hydrograph 1. The applicant’s wells have water level elevations near 3400 ft amsl.



Hydrograph 2. Water levels in the Bend area with similar water level elevations.

