

Groundwater Transfer Review Summary Form

Transfer/PA # T- 14673

GW Reviewer Joe Kemper Date Review Completed: 9/5/2025

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-17673

Applicant Name: Eagle Crest Master Association

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

Reviewer(s): Joe Kemper

Date of Review: 9/5/2025

Date Reviewed by GW Mgr. and Returned to WRSD: JTI 9/8/25

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: Certificate 95068 authorizes a maximum 1.069 cfs of quasi-municipal use from 3 wells, and certificate 95069 authorizes 1.68 cfs of quasi-municipal use from 3 wells. DESC 3614 aka Well 2A is a POA on both of those rights. This transfer proposes to replace that POA with a newly drilled well, DESC 64749 aka Well 2C. Well details are provided in the table below.
 2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?
☒ Yes ☐ No Comments: DESC 3614 is drilled to a depth of 330 ft BLS and accesses ~60 feet of the Deschutes regional aquifer where it is hosted in alluvium and volcanics of the Deschutes Formation. The APOA DESC 64749 is located ~50 feet from DESC 3614. It is drilled to a depth of 370 feet and will access ~100 feet of the Deschutes regional aquifer.
 3. a) Is the existing authorized POA subject to a water level decline condition?
☒ Yes ☐ No Comments: Certificates 95068 and 95069 both have 10-foot decline conditions. These water rights were preceded by permits G-10957 and G-10530. An order from the Director dated 5/31/1994 stated that the G-10957, G-10530, and G-11313 shall adopt "Condition 6" which is a 10-foot permit decline condition. That order further states that "The reference level for water-level declines shall be the first (March 1995) or second annual (March 1996), whichever is higher, measurement taken after water use begins under the terms of this permit."

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: Supporting documentation states that the reference level for preceding permits for Certificates 95068/95069 should be either March of 1995 or 1996. Water levels at DESC 3581 are higher in March 1995 than March 1996. DESC 3614 was constructed in 1979, but other POAs on these water rights had not yet been drilled at the time. This portion of the Deschutes aquifer has very low gradient and water levels in wells track very closely with one another. The hydrogeologic setting and multiple observation wells in the area allow one to model what the March 1995 water level for each of the valid or proposed POAs.

Reference Levels from Synthetic Water Levels Backcasted to March 1995

POA #	POA Name	OWRD LOGID	Reference Level (ft blsd)	Reference Level Date	Most Recent Water Level	Water Level Date	Total Decline (ft)
1	Well 2A	DESC 3614	244	3/1/1995	268.68	3/12/2025	24.68
2	Well 2B	DESC 57946	237.31	3/15/1995	268.61	3/12/2025	31.3
3	Well 4	DESC 59818	228.15	3/15/1995	259.38	3/11/2025	31.23
4	Well 2C	DESC 64749	241.3	3/15/1995	271.0	4/2/2024	29.7

March 1995 water levels for DESC 57946 and DESC 59818 are calculated by subtracting 18 feet from their 2017 water levels (based on observed changes in DESC 3581). DESC 3614, DESC 53714, DESC 57946, and DESC 59818 all declined approximately 11.7 feet from 2017 to 2024. March 1995 water level for DESC 64749 are calculated by subtracting 11.7 and 18 feet from the March 2024 measurement.

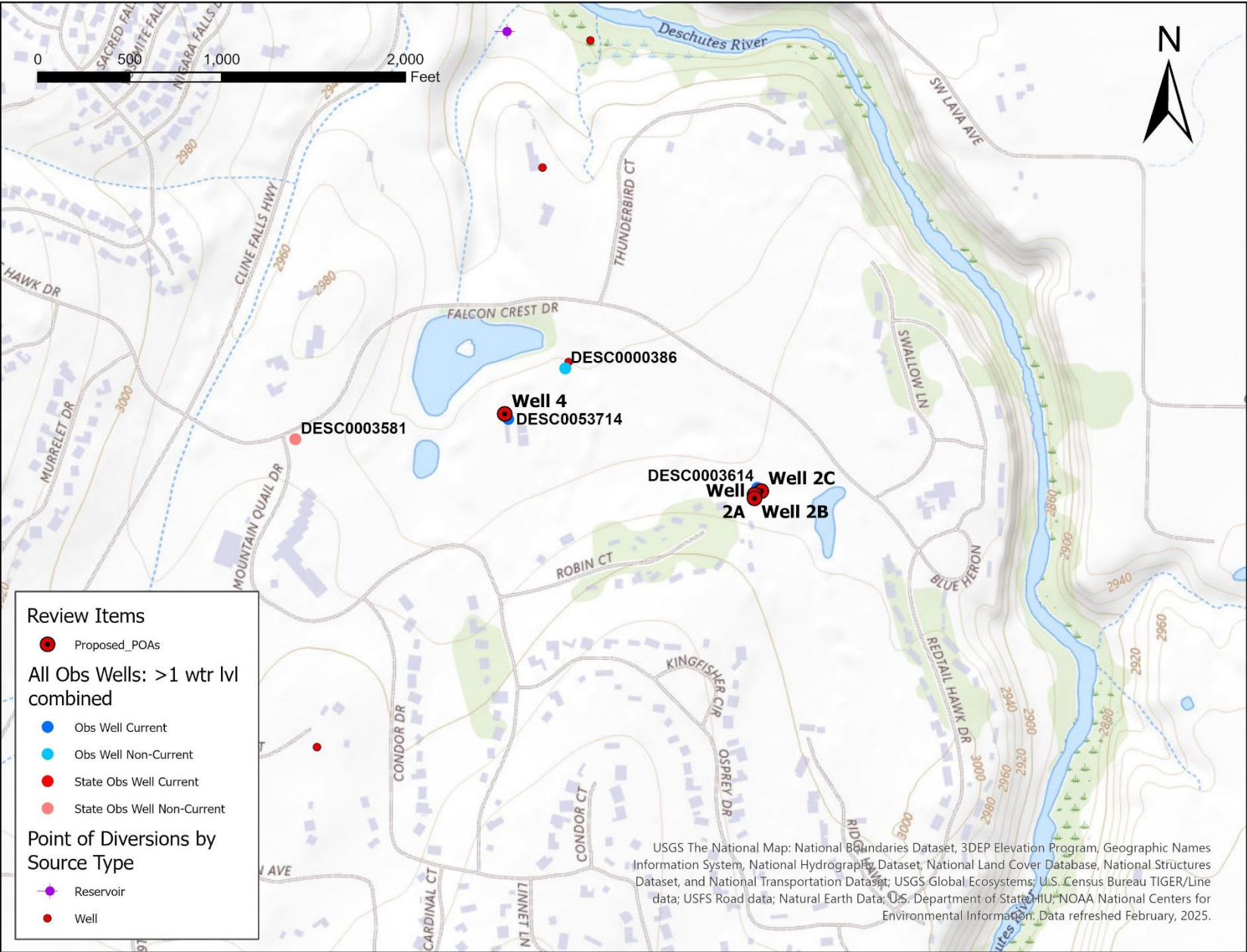
4. a) Is there more than one source developed under the right (e.g., basalt and alluvium)?
☐ Yes ☒ No Comments: _____
- b) If yes, estimate the portion of the right supplied by each of the sources and describe any limitations that will need to be placed on the proposed change (rate, duty, etc.): _____
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: Changing from DESC 3614 to DESC 64749 will move groundwater pumping approximately 30 feet closer to wells on the east side of the Deschutes River (approximately 3000 feet from the applicant's wells). This shift will cause a slight increase in well-to-well interference with those 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: Considering the high transmissivity, considerable saturated thickness (500-1000 feet) of the target aquifer, and small change in well location, any increase in well-to-well interference that results from this transfer is expected to be minimal (> 1 foot).

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 closest GW-SW interaction occurs at the Lower Bridge area which is 8 miles to the north. The APOA is approximately 15 feet closer to that point. The new well location will create a negligible change in stream depletion with the Deschutes and Crooked Rivers.
- 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: _____
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: The applicant has indicated that they are pursuing this change because DESC 3614 has "broken casing and increasing nitrate levels". Certificates 95068 and 95069 are quasi-municipal rights that provide drinking water for Eagle Crest.

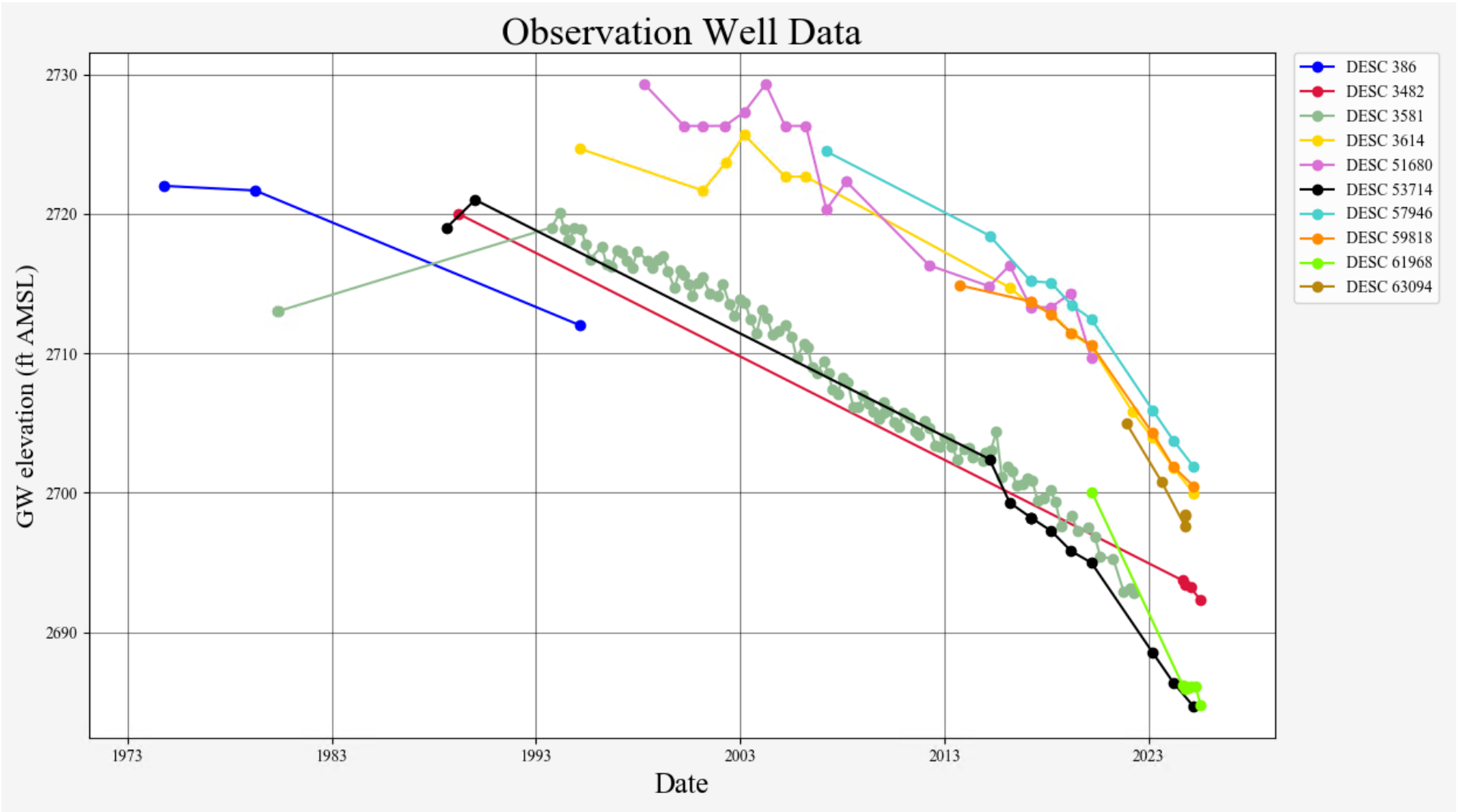
Well Summary Table

POA #	POA Name	POA Status	OWRD LOGID	TRS	Legal Location	C- 95068 Rate (cfs)	C- 95069 Rate (cfs)
1	Well 2A	Authorized	DESC 3614	15S/12E-23 NE-NE	491' S, 2055' E fr N 1/4 cor, S 23	0.40	1.27
2	Well 2B	Authorized	DESC 57946	15S/12E-23 NE-NE	511' S, 2055' E fr N 1/4 cor, S 23	1.07	1.34
3	Well 4	Authorized	DESC 59818	15S/12E-23 NW-NE	64' S, 692' E fr N 1/4 cor, S 23	1.07	1.22
4	Well 2C	Proposed	DESC 64749	15S/12E-23 NE-NE	481' S, 2095' E fr N 1/4 cor, S 23	TBD	TBD

Transfer Map



Groundwater Levels in Adjacent Observation Wells



Decline Condition Reference Levels:

