

Groundwater Transfer Review Summary Form

Transfer/PA # T- 14172

GW Reviewer Joe Kemper Date Review Completed: 12/20/2023

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**

Application: T-14172

Applicant Name: City of Redmond

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

Reviewer(s): Joe Kemper

Date of Review: 12/20/2023

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: Originating certificate 82751 authorizes 2.45 cfs of municipal use from DESC 3951. This transfer proposes to add 8 APOAs to certificate 82751. Well specific details are in the table below.
2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?
 Yes No Comments: DESC 3951 and all proposed APOAs access the Deschutes regional groundwater system where it is hosted within the Deschutes Formation. Water level elevations and trends in all wells are similar.
3. a) Is there more than one source developed under the right (e.g., basalt and alluvium)?
 Yes No NA
 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: This transfer would authorize moving groundwater use from DESC 3951 to all 8 other wells. This may increase well-to-well interference with other wells in the area.
 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 target aquifer has high storage, permeability, and thickness. Aquifer tests at city wells have had difficulty creating detectable drawdown in adjacent observation wells for the purpose of estimating aquifer parameters. It is unlikely that any interference resulting from this transfer would injure an adjacent groundwater user that fully penetrates the target aquifer.

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 target aquifer at Redmond is disconnected from surface, until, 10-15 miles NW, groundwater begins discharging to the Deschutes and Crooked Rivers. DESC 3951 is on the SE side of Redmond, and the APOAs are 0.5 to 2 miles closer to the gaining reaches of the Deschutes and Crooked Rivers. Considering the relative distances between POA and APOAs compared to the distance to the nearest location of groundwater-surface water interaction, the changes proposed here are not expected to alter the stream depletion that results from pumping the permitted volume of water.

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

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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

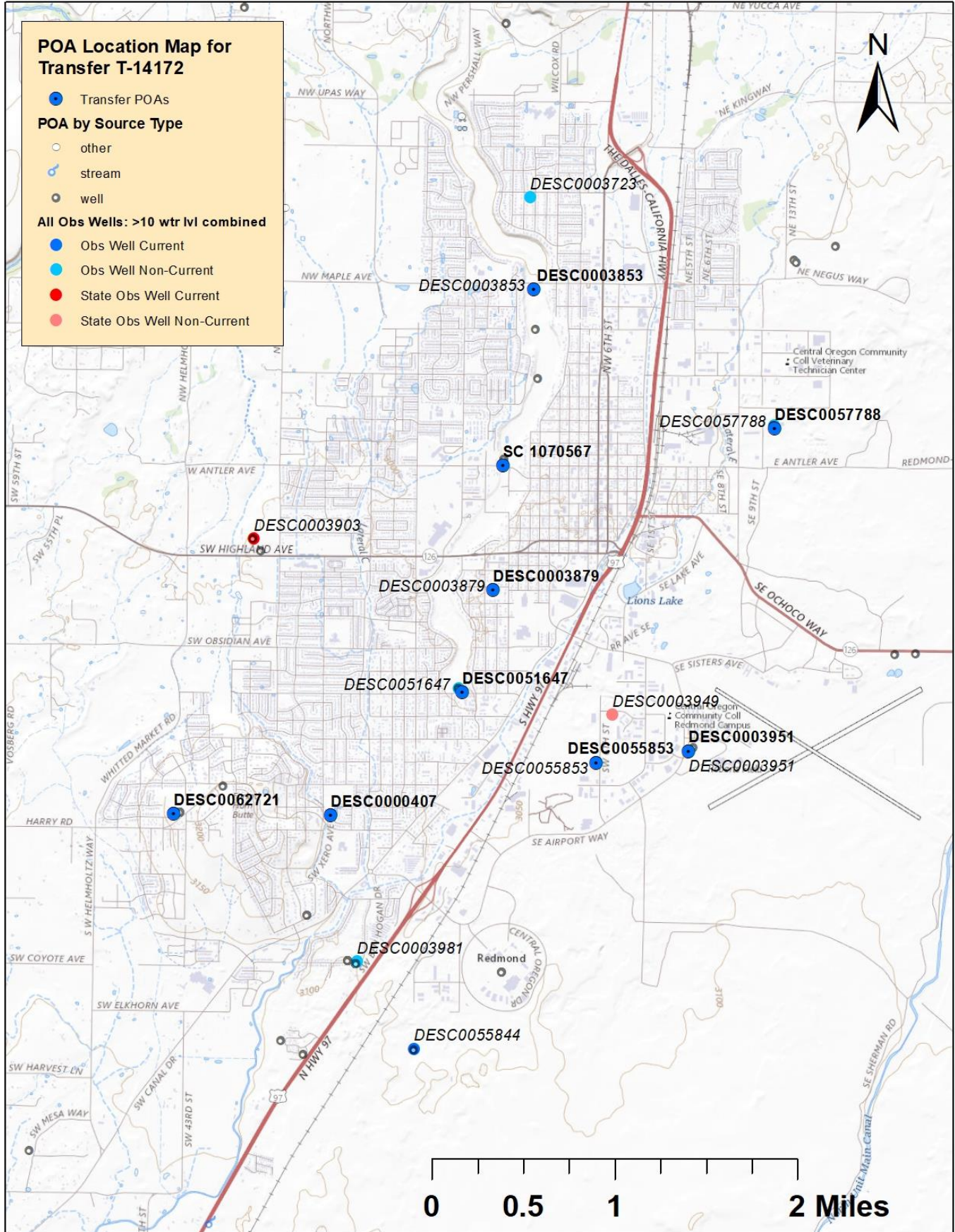
7. What conditions or other changes in the application are necessary to address any potential issues identified above: _____

8. Any additional comments:_____

Well Detail Table

POA #	POA Name	POA Status	OWRD LOGID	TRS	Legal Location	Permitted Rate (cfs)
1	Well 1	Proposed	DESC 3853	15S/13E-9 NE-NW	S 83°30' W, 546' fr N 1/4 cor S 9	2.45
2	Well 2	Proposed	DESC 3879	15S/13E-16 NW-SW	N 27°24' E, 1800' fr SW cor S16	2.45
3	Well 3	Authorized	DESC 3951	15S/13E-22 NE-SW	2440' N, 1410' E fr SW cor S22	2.45
4	Well 4	Proposed	DESC 407	15S/13E-20 SE-SW	N 82°41' W, 3945' fr SE cor S20	2.45
5	Well 5	Proposed	DESC 51647	15S/13E-20 NE-NE	S 5°48' W, 1200' fr NE cor S20	2.45
6	Well 6	Proposed	DESC 55853	15S/13E-21 NW-SE	N 35°38'4" W 2444' fr SE cor S 21	2.45
7	Well 7	Proposed	DESC 57788	15S/13E-10 SW-SE	1210' N, 1640' W fr SE cor S 10	2.45
8	Well 8	Proposed	DESC 62721	15S/13E-19 SE-SW	513' N, 2807' W fr SE cor S 19	2.45
9	Well 9	Proposed	SC 1070567	15S/13E-9 SW-SW	185' N, 1190' E fr SW cor S 9	2.45

Transfer Map



Water Level Measurements from Adjacent Observation Wells

