

Groundwater Transfer Review Summary Form

Transfer/PA # T- 13621

GW Reviewer Joe Kemper Date Review Completed: 5/22/2023

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.



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-13621

Applicant Name: City of Prineville

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

Reviewer(s): Joe Kemper

Date of Review: 5/22/2023

Date Reviewed by GW Mgr. and Returned to WRSD: JTI 8/3/23

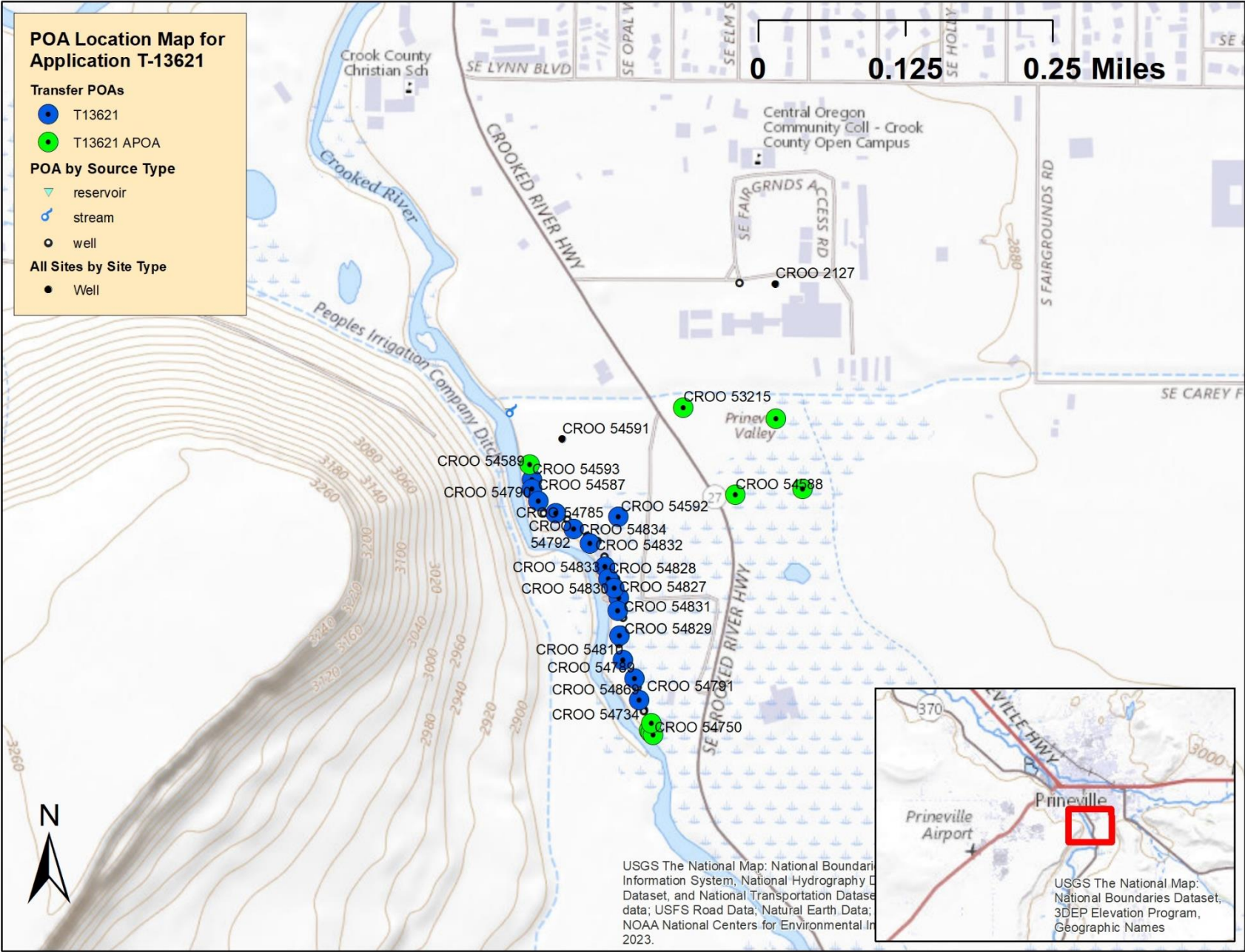
The information provided in the application is insufficient to evaluate whether the proposed transfer may be approved because:

- ☐ 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: Permit G-18154 allows for 4.46 cfs of municipal use out of 25 POA well field constructed in alluvium immediately adjacent to the Crooked River. This permit amendment would create 9 APOA's (including horizontal infiltration galleries) and would refine the locations and well log correlations for the existing 25 POAs.
 2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?
☒ Yes ☐ No Comments: All current and proposed POA's produce groundwater hosted by alluvium immediately adjacent to the Crooked River.
 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: The wellfield is intentionally constructed to induce infiltration from the Crooked River. Because the stream acts as a relatively constant head boundary, drawdown in the target aquifer is expected to be minimal. There is one permitted well (CROO 2127 under certificate 48584) approximately 500 feet north of POAs 24-27. Because those wells are ~1000 feet from the river, pumping induced drawdown may be sufficient to create noticeable well-to-well interference.
- 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 Crooked River is still expected to provide sufficient recharge to supply water to the pumping wells. Any well-to-well interference is expected to be minimal and would not meet the definition of injury.
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 wellfield under permit G-18154 is intentionally constructed to induce infiltration from the Crooked River; interference with the Crooked River is approximately 100%. Thus, the proposed changes would not reflect an increase in that interference.
- 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
Provide context for minimal/significant impact: NA
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: _____

Transfer Map



Point of Appropriation Summary Table

POA LOGID	PA Facility name	Previous Facility Name	PA Location Description
CROO0054593	3	D1	422 FT S & 400 FT E FR NW COR, S8
CROO0054587	4	S1	471 FT S & 406 FT E FR NW COR, S8
CROO0054592	8	D2	585 FT S & 793 FT E FR NW COR, S8
CROO0054785	6	D3	540 FT S & 435 FT E FR NW COR, S8
NOT YET DRILLED	-	S2	-
CROO0054792	7	D4	590 FT S & 510 FT E FR NW COR, S8
NOT YET DRILLED	-	S3	-
CROO0054834	9	D5	660 FT S & 590 FT E FR NW COR, S8
NOT YET DRILLED	-	S4	-
CROO0054832	10	D6	725 FT S & 670 FT E FR NW COR, S8
NOT YET DRILLED	-	S5	-
CROO0054833	11	D7	825 FT S & 735 FT E FR NW COR, S8
CROO0054828	12	S6	875 FT S & 755 FT E FR NW COR, S8
CROO0054830	13	D8	920 FT S & 775 FT E FR NW COR, S8
CROO0054827	14	S7	970 FT S & 800 FT E FR NW COR, S8
CROO0054831	15	D9	1020 FT S & 790 FT E FR NW COR, S8
NOT YET DRILLED	-	S8	-
CROO0054829	16	D10	1130 FT S & 800 FT E FR NW COR, S8
NOT YET DRILLED	-	S9	-
CROO0054810	17	D11	1240 FT S & 815 FT E FR NW COR, S8
NOT YET DRILLED	-	S10	-
CROO0054789	18	D12	1325 FT S & 865 FT E FR NW COR, S8
NOT YET DRILLED	-	S11	-
CROO0054869	19	D13	1425 FT S & 890 FT E FR NW COR, S8
NOT YET DRILLED		S12	1527 FT S & 949 FT E FR NW COR, S8
APOA LOGID	APOA Name	NA	APOA location description
NOT YET DRILLED	H1	-	1565 FT S & 930 FT E FR NW COR, S8
NOT YET DRILLED	H2	-	1575 FT S & 940 FT E FR NW COR, S8
NOT YET DRILLED	H3	-	1585 FT S & 950 FT E FR NW COR, S8
CROO0054589	2	-	370 FT S & 396 FT E FR NW COR, S8
CROO0054750	22	-	1535 FT S & 940 FT E FR NW COR, S8
CROO0054588	24	-	510 FT S & 1330 FT E FR NW COR, S8
L-136756	25	-	485 FT S & 1620 FT E FR NW COR, S8
CROO0053215	26	-	105 FT S & 1080 FT E FR NW COR, S8
NOT YET DRILLED	27	-	170 FT S & 1500 FT E FR NW COR, S8