

Groundwater Transfer Review Summary Form

Transfer/PA # T- 14734

GW Reviewer Stacey Garrison Date Review Completed: 11/25/2025

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.



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Ground Water Review Form:

- Water Right Transfer
- Permit Amendment
- GR Modification
- Other

Application: T-14734 Applicant Name: Walling Properties, LLC; ATTN: Mike Walling

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

Reviewer(s): Stacey Garrison

Date of Review: 11/25/2025

Date Reviewed by GW Mgr. and Returned to WRSD: JTI 3/13/26

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: Applicant proposes to redescribe locations for existing POA 2/Well 2/Office Well (POLK 51753) and POA 4/Well 4/Batch Plant Well (POLK 53659) and move POA 1/Well 1/Pond Well (PROP 754) to a new location (PROP 755) under Permit G-15596. Permit G-15596 authorizes year-round commercial and industrial uses at a maximum rate of 17.8 cfs (7,989 gpm). No changes to POA 3/Well 3/Shop Well (POLK 51715) are proposed.

2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?
 Yes No Comments: The from-POAs and the to-POAs develop the alluvial Willamette aquifer.

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: Only the alluvial source is developed.

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 to-POAs are not substantially closer to other groundwater users than the from-POAs.

- 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: N/A

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 to-well (**PROP 755**) for POA 1/Well 1/Pond Well is ~450 ft closer to the Willamette River than the from-well (**PROP 754**).

- 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: Willamette River Minimal Significant

Provide context for minimal/significant impact: The expected increase in depletion from the Willamette River was assessed using the Hunt (1999) analytical model for stream depletion due to pumping in an unconfined aquifer (see attached Stream Depletion Analysis). Results indicate that stream depletion due to pumping could likely increase by 4 percent of the rate of withdrawal after 365 days of continuous pumping as a result of the proposed change. Assuming that the to-well, (**PROP 755**), were to pump the maximum rate of 17.8 cfs (7,989 gpm) under **Permit G-15596** over the full 365-days, the proposed change could result in an additional ~0.678 cfs of depletions to the Willamette River by the end of the year. For comparison, Watershed ID #182 WILLAMETTE R>COLUMBIA R-AB MOLALLA R, which encompasses the Willamette River at this location, is estimated to have ~680 cfs of Net Water Available in August (the month with the lowest expected flow annually) at the 80 percent Exceedance Level (see attached Water Availability Analysis). Therefore, the change in degree of interference with the Willamette River resulting from the proposed change is expected to be minimal.

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: N/A

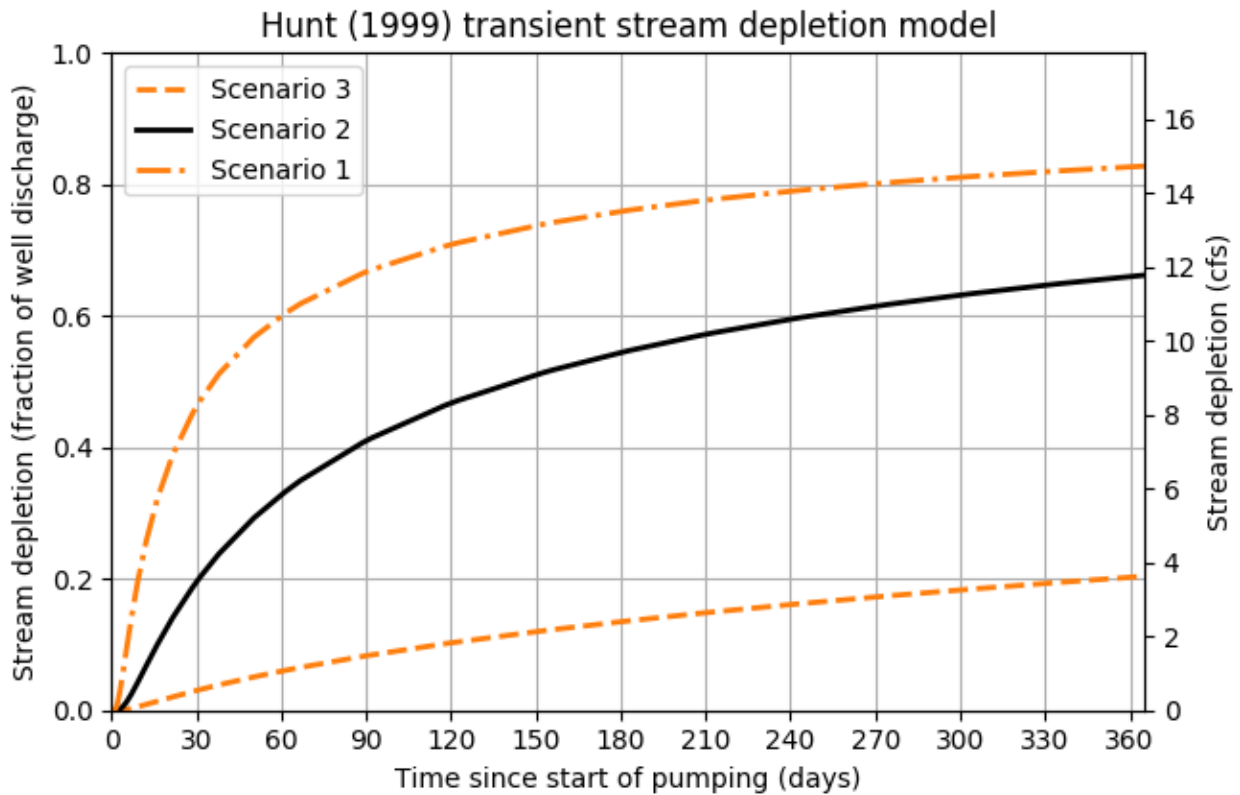
9. Any additional comments: N/A

ReferencesTransfer File: T-14734Pumping Test Files: MARI 8108, MARI 5368, MARI 5367, MARI 6695, POLK 53659, MARI 16806Conlon, T.D., Wozniak, K.C., Woodcock, D., Herrera, N.B., Fisher, B.J., Morgan, D.S., Lee, K.K., and Hinkle, S.R., 2005, Ground-water hydrology of the Willamette Basin, Oregon, Scientific Investigations Report 2005-5168: U. S. Geological Survey, Reston, VA.Hunt, B., 1999, Unsteady Stream Depletion from Ground Water Pumping: Ground Water, January-February, Vol 37, p 98-102.O'Connor, J.E., Sarna-Wojcick, A., Wozniak, K.C., Polette, D.J., Fleck, R.J., 2001, Origin, Extent, and Thickness of Quaternary Geologic Units in the Willamette Valley, Oregon; U.S. Geological Survey, Professional Paper 1620, 51 p.Woodward, D.G., Gannett, M.W., and Vaccaro, J.J., 1998, Hydrogeologic framework of the Willamette Lowland aquifer system, Oregon and Washington: U.S. Geological Survey Professional Paper 1424-B, 82 p.

Stream Depletion Modeling-Authorized POA 1 (PROP 754)-Willamette River

		Parameter	Symbol	Scenario 1	Scenario 2	Scenario 3	Units
Application type:	T	Distance from well to stream	a	1854	1854	1854	ft
Application number:	14734	Aquifer transmissivity	T	500	2000	20000	ft ² /day
Well number:	1A	Aquifer storativity	S	0.003	0.02	0.2	-
Stream Number:	1	Aquitard vertical hydraulic conductivity	Kva	0.01	0.01	0.01	ft/day
Pumping rate (cfs):	17.8	Not used		10.0	20.0	30.0	
Pumping duration (days):	365	Aquitard thickness below stream	babs	4.0	4	4	ft
Pumping start month number (3=March)	1	Not used		0.2	0.2	0.2	
Plotting duration (days)	365	Stream width	ws	800	800	800	ft

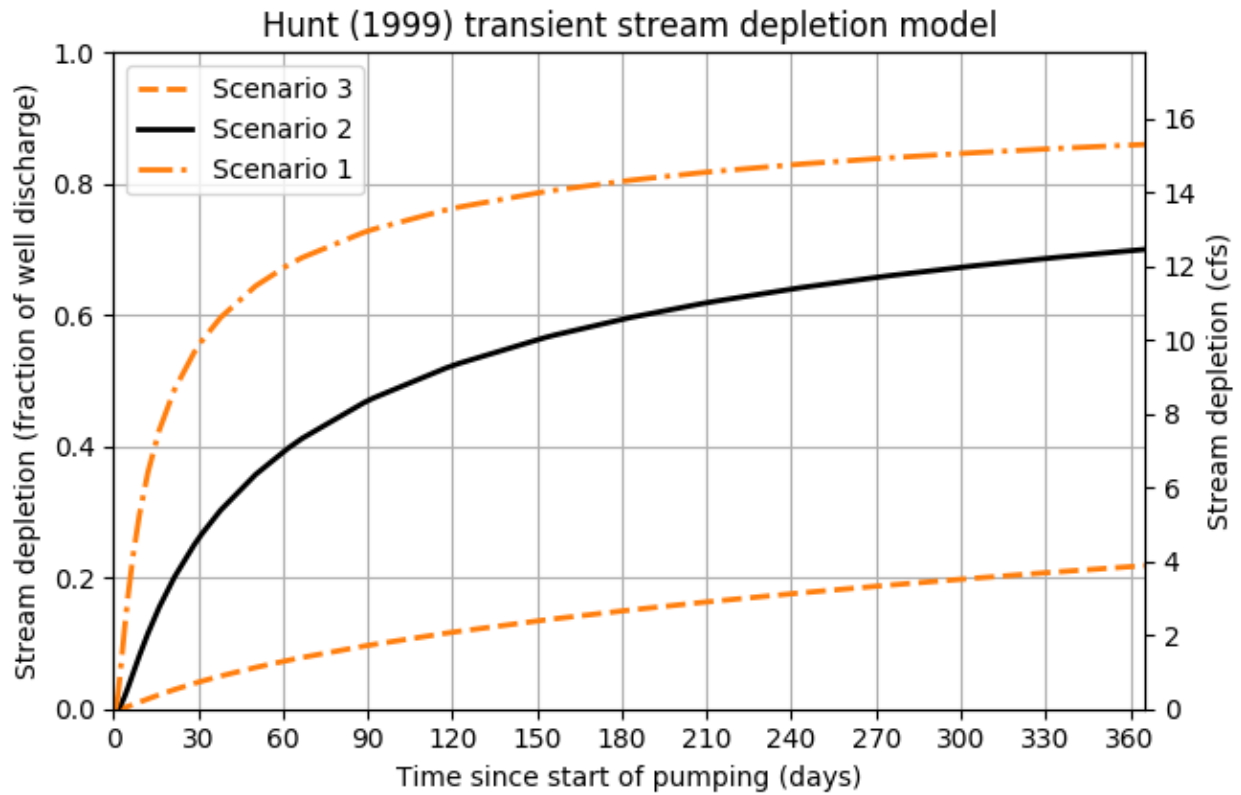
Days	1	31	62	92	122	153	183	213	244	274	304	335	365
Depletion (%)	0	20	33	41	47	51	55	57	60	62	63	65	66
Depletion (cfs)	0.00	3.61	5.93	7.38	8.39	9.14	9.74	10.23	10.64	10.99	11.29	11.55	11.78



Stream Depletion Modeling-Proposed POA 1 (PROP 755)-Willamette River

		Parameter	Symbol	Scenario 1	Scenario 2	Scenario 3	Units
Application type:	T	Distance from well to stream	a	1400	1400	1400	ft
Application number:	14734	Aquifer transmissivity	T	500	2000	20000	ft ² /day
Well number:	1B	Aquifer storativity	S	0.003	0.02	0.2	-
Stream Number:	1	Aquitard vertical hydraulic conductivity	Kva	0.01	0.01	0.01	ft/day
Pumping rate (cfs):	17.8	Not used		10.0	20.0	30.0	
Pumping duration (days):	365	Aquitard thickness below stream	babs	4.0	4	4	ft
Pumping start month number (3=March)	1	Not used		0.2	0.2	0.2	
Plotting duration (days)	365	Stream width	ws	800	800	800	ft

Days	1	31	62	92	122	153	183	213	244	274	304	335	365
Depletion (%)	0	27	40	47	53	57	60	62	64	66	67	69	70
Depletion (cfs)	0.00	4.75	7.06	8.43	9.37	10.07	10.62	11.06	11.43	11.74	12.01	12.25	12.46



Water Availability Analysis

Water Availability Analysis
Detailed Reports

WILLAMETTE R > COLUMBIA R - AB MOLALLA R
WILLAMETTE BASIN

Watershed ID #: 182 [\(Map\)](#)
Date: 11/25/2025

Water Availability as of 11/25/2025

Exceedance Level: 80%
Time: 11:23 AM



Water Availability Calculation

Monthly Streamflow in Cubic Feet per Second
Annual Volume at 50% Exceedance in Acre-Feet

Month	Natural Stream Flow	Consumptive Uses and Storages	Expected Stream Flow	Reserved Stream Flow	Instream Flow Requirement	Net Water Available
JAN	21,400.00	2,310.00	19,100.00	0.00	1,500.00	17,600.00
FEB	23,200.00	7,490.00	15,700.00	0.00	1,500.00	14,200.00
MAR	22,400.00	7,260.00	15,100.00	0.00	1,500.00	13,600.00
APR	19,500.00	6,910.00	13,000.00	0.00	1,500.00	11,500.00
MAY	16,600.00	4,250.00	12,300.00	0.00	1,500.00	10,800.00
JUN	8,740.00	1,980.00	6,760.00	0.00	1,500.00	5,260.00
JUL	4,980.00	1,810.00	3,170.00	0.00	1,500.00	1,670.00
AUG	3,830.00	1,550.00	2,180.00	0.00	1,500.00	680.00
SEP	3,880.00	1,390.00	2,500.00	0.00	1,500.00	997.00
OCT	4,850.00	753.00	4,100.00	0.00	1,500.00	2,600.00
NOV	10,200.00	887.00	9,310.00	0.00	1,500.00	7,810.00
DEC	19,300.00	975.00	18,300.00	0.00	1,500.00	16,800.00
ANN	15,200,000.00	2,250,000.00	13,000,000.00	0.00	1,990,000.00	11,990,000.00