

Groundwater Transfer Review Summary Form

Transfer/PA # T- 14758

GW Reviewer Stacey Garrison Date Review Completed: 1/9/2026

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.



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Ground Water Review Form:

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

Application: T-14758

Applicant Name: Mark Shadrin

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

Reviewer(s): Stacey Garrison

Date of Review: 1/9/2026

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:

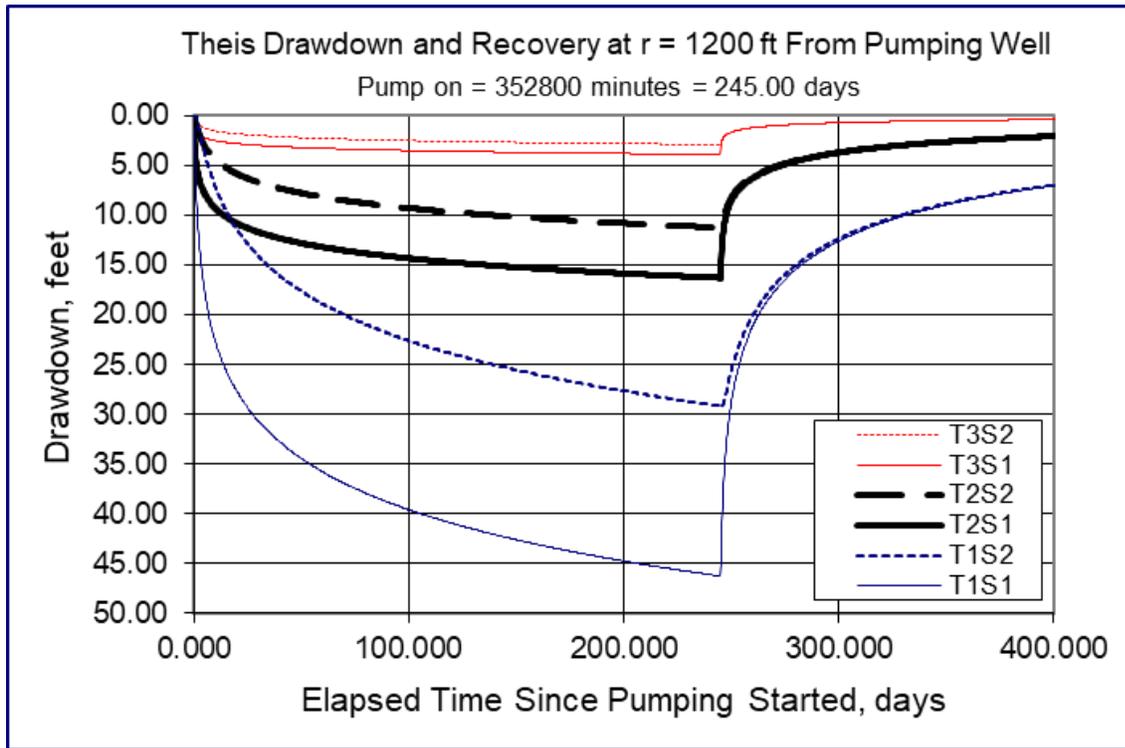
- The water well reports provided with the application do not correspond to the water rights affected by the transfer.
- The application does not include water well reports or a description of the well construction details sufficient to establish the ground water body developed or proposed to be developed.
- Other _____

1. Basic description of the changes proposed in this transfer: Applicant proposes to add APOA, POA 3/Well 4 (PROP 777) to Certificate 62685. Certificate 62685 authorizes POA 1/Well 1 (CLAC 2567) and POA 2/Well 2 (CLAC 2568) to irrigate 52.5 ac at a maximum rate of 0.14 cfs and a maximum annual volume of 131.25 AF.
2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?
 Yes No Comments: The authorized POAs, POA 1/Well 1 (CLAC 2567) and POA 2/Well 2 (CLAC 2568), develop sand and gravel water-bearing zones of the alluvial Willamette Aquifer and the Willamette Confining Unit, WCU (Woodward et al., 1998), or the Middle Sedimentary Unit, MSU, and Lower Sedimentary Unit, LSU, respectively (Conlon et al., 2005). The authorized POAs POA 1/Well 1 (CLAC 2567) and POA 2/Well 2 (CLAC 2568), extend to a maximum depth of 50 ft [147 ft amsl] and 180 ft [17 ft amsl], respectively. The APOA, Well 4 (PROP 777), would be constructed to a depth of 320 ft [-119 ft amsl], remaining within the previously developed Willamette Aquifer/MSU and WCU/LSU.
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: _____

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.): _____
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 APOA, Well 4 (PROP 777), is closer to the likely location for the domestic well that serves tax lot 1501 at 6320 S Schneider Rd. The reduced intervening distance is likely to result in an increase in interference with the well that serves TL 1501.
- 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 Theis (1935) solution for drawdown was used to assess the potential for injury to the TL 1501 well from the proposed changes (see attached Theis Interference Analysis Pumping by the APOA, Well 4 (PROP 777), is not likely to result in the TL 1501 well not receiving the water to which it is legally entitled (see attached Theis Interference Analysis).
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 APOA, Well 4 (PROP 777), is not closer to a surface water source, so it is not likely to result in an increase in interference with another surface water source.
- 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
Provide context for minimal/significant impact: N/A
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-14758Pumping Test Files: CLAC 74534, CLAC 2114, MARI 1962, CLAC 2083, CLAC 2171, CLAC 2173, CLAC 56198, CLAC 17196, CLAC 55526, CLAC 2122Conlon, 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.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.

Theis Interference Analysis



Input Data:	Var Name	Scenario 1	Scenario 2	Scenario 3	Units	
Total pumping time	t		245		d	
Radial distance from pumped well:	r		1200		ft	Q conversions
Pumping rate	Q		0.14		cfs	62.83 gpm
Hydraulic conductivity	K	0.43	1.46	7.42	ft/day	0.14 cfs
Aquifer thickness	b		300		ft	8.40 cfm
Storativity	S 1		0.0001			12,096.00 cfd
	S 2		0.001			0.28 af/d
Transmissivity Conversions	T f2pd	129	438	2226	ft ² /day	Recalculate
	T ft2pm	0.08958333	0.30416667	1.54583333	ft ² /min	
	T gpdpft	964.92	3276.24	16650.48	gpd/ft	

SWL	20 ft bls	Woodward et al., 1998
Aquifer Bottom	140 ft bls	Woodward et al., 1998
Available Water Column	120 ft	Aquifer bottom-SWL
Pump Height Above Bottom	5 ft	Estimate
NPSHa	5 ft	Estimate
Drawdown	50 ft	Pumping test data, Q=100 gpm
Minimum Water Column	60 ft	Estimated Drawdown + NPSHa + Pump Height
Injury	60 ft	Available Water Column-Minimum Water Column