

Groundwater Transfer Review Summary Form

Transfer/PA # T- 14581

GW Reviewer Stacey Garrison Date Review Completed: 9/29/2025

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-14581

Applicant Name: Jensen Family LLC c/o Mark Tribbett

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

Reviewer(s): Stacey Garrison

Date of Review: 9/29/2025

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 add three APOAs to Claim GR-859: APOA 2/Well 2 (PROP 608), APOA 3/Well 3 (PROP 609), APOA 4/Well 4 (MARI 6493). The authorized POA on Claim GR-859 is POA 1/Well 1 (MARI 4749), which is authorized to irrigate 80 ac at a maximum rate of 0.7442 cfs (334 gpm) and a maximum annual volume of 200 acre-feet/year*. All four POAs are authorized or proposed to be authorized under other transfers: T-13599 approved on 12/12/2024 added APOA 2/Well 2 (PROP 608) and APOA 3/Well 3 (PROP 609) to Claim GR-2579 to irrigate 78.7 ac with a maximum annual duty of 196.75 acre-feet/year* and maximum flow of 1.06 cfs (476 gpm); Inchoate T-14581 added POA 1/Well 1 (MARI 4749), APOA 2/Well 2 (PROP 608), and APOA 3/Well 3 (PROP 609) to Certificate 42225 with authorized POA APOA 4/Well 4(MARI 6493) for irrigation of 42.6 ac with a maximum annual duty of 106.5 acre-feet/year and maximum flow rate of 0.53 cfs (238 gpm). The total maximum combined rates will be used and are summarized in the table below.

Rates and Duties		POA			
		Well 1/POA 1 (MARI 4749)	Well 2/APOA 2 (PROP 608)	Well 3/APOA 3 (PROP 609)	Well 4/APOA 4 (MARI 6493)
POU (ac)	This transfer, T-14581/Claim GR 859	80	80	80	80
	Claim GR 2579 per T-13599	NA	78.7	78.7	NA
	Inchoate T-14580/Certificate 42225	42.6	42.6	42.6	42.6
	Total	122.6	201.3	201.3	122.6
Authorized duty (AF/year)	This transfer, T-14581/Claim GR 859*	200	200	200	200
	Claim GR 2579 per T-13599*	NA	196.75	196.75	NA
	Inchoate T-14580/Certificate 42225	106.5	106.5	106.5	106.5
	Total	306.5	503.25	503.25	306.5
Flow rate CFS (gpm)	This transfer, T-14581/Claim GR 859	0.7442 cfs (334 gpm)	0.7442 cfs (334 gpm)	0.7442 cfs (334 gpm)	0.7442 cfs (334 gpm)
	Claim GR 2579 per T-13599	NA	1.06 cfs (476 gpm)	1.06 cfs (476 gpm)	NA
	Inchoate T-14580/Certificate 42225	0.53 cfs (238 gpm)	0.53 cfs (238 gpm)	0.53 cfs (238 gpm)	0.53 cfs (238 gpm)
	Total	1.2742 CFS (572 GPM)	2.3342 CFS (1,048 GPM)	2.3342 CFS (1,048 GPM)	1.2742 CFS (572 GPM)

*Maximum annual volume as authorized duty per acre not described in Claim GR-2579 or Claim GR-859. Standard maximum duty for Willamette Basin of 2.5 AF/ac/year is applied here.

2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?
 - Yes No Comments: The authorized well, POA 1/Well 1 (MARI 4749), is completed to a depth of 147 ft [52 ft amsl] with a static water level, SWL, of 25 ft bls [174 ft amsl]. and utilizes the Middle Sedimentary Unit of the Willamette Aquifer, consisting of slightly to moderately consolidated Pleistocene sands and gravels (Gannet and Caldwell, 1998; Conlon et al., 2005). The constructed APOA, APOA 4/Well 4 (MARI 6493), is completed to a depth of 185 ft [27 ft amsl] with a SWL of 39 ft bls [173 ft amsl]. The proposed APOAs, APOA 2/Well 2 (PROP 608) and APOA 3/Well 3 (PROP 609), are anticipated to be completed to a depth of 200 ft [12 ft and 1 ft amsl, respectively]. The Willamette Aquifer is between 100 and 120 ft thick and overlain by 80 ft of fine-grained, low permeability Willamette Silt Gannett and Caldwell, 1998; MARI 4750 and MARI 6489). The three APOAs are anticipated to produce from the same aquifer is the authorized POA.

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.): NA

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: Proposed APOA 3/Well 3 (PROP 609) is ~750 ft northwest of MARI 6489, a POA on Certificate 47840 with priority date 5/23/1973. The authorized POA/POA 1 (MARI 6493) is ~1956 ft southwest of MARI 6489. The reduced distance is anticipated to increase interference with MARI 6489.
- 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 maximum drawdown produced by APOA 3/Well 3 (PROP 609) is not anticipated to result in MARI 6489 not receiving the water to which it is legally entitled.
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: Proposed APOA 3/Well 3 (PROP 609) is ~1680 ft northwest of Howell Prairie Creek. The authorized POA/POA 1 (MARI 6493) is ~2300 ft west Howell Prairie Creek. The reduced distance is anticipated to increase interference with Howell Prairie Creek.
- 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: Howell Prairie Creek Minimal Significant
- Provide context for minimal/significant impact: The Willamette Aquifer in this area is overlain by about 80 ft of the Willamette Silt Unit (WSU). Howell Prairie Creek is partially incised into the WSU and appears to be underlain by about 40-50 ft low permeability sediments from the WSU. Given the confined nature of the aquifer and presence of a thick sequence of low permeability sediments, interference with surface water sources is assumed 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: NA
8. What conditions or other changes in the application are necessary to address any potential issues identified above: NA
9. Any additional comments: _____

References

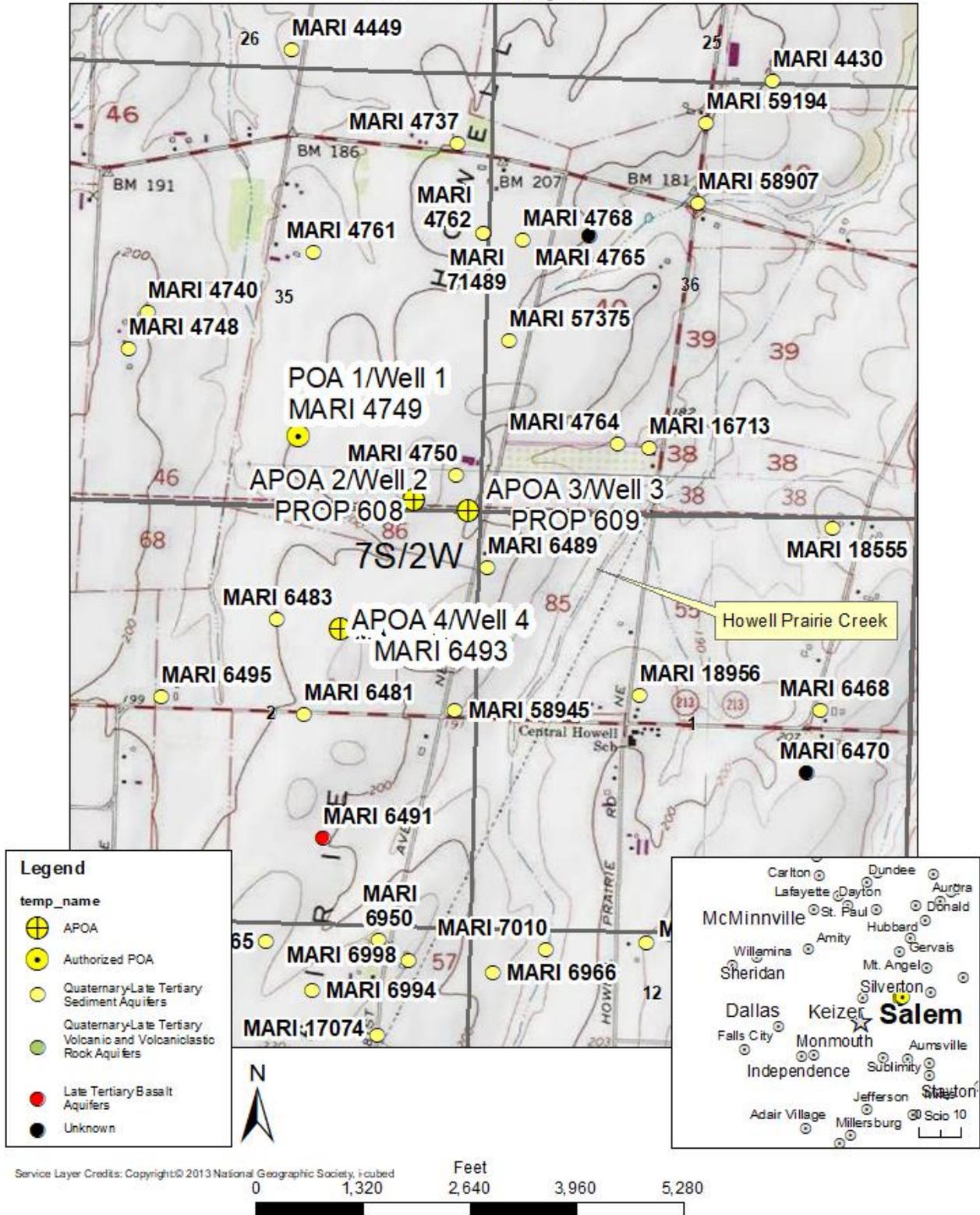
Transfer File: T-14580, Certificate 42225, T-13599, Claim GR 2579, T-14851, Claim GR 859

Conlon, 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.

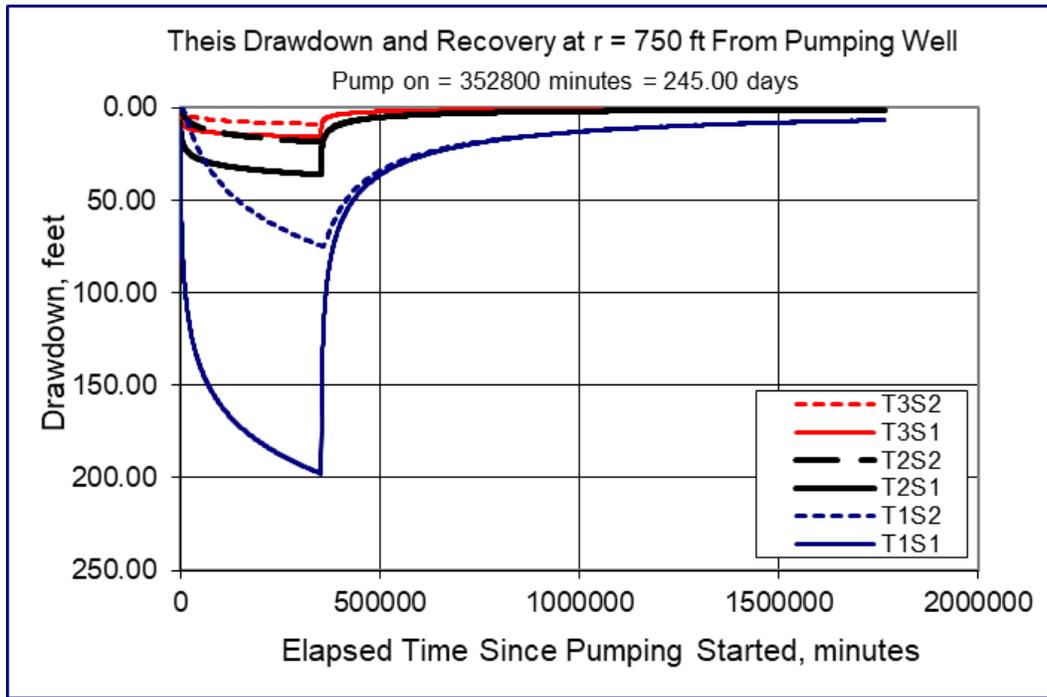
O'Connor, J.E., Sarna-Wojcick, A., Wozniak, K.C., Polette, D.J., Fleck, R.J., 2001, Origin, Extent, and Thickness of Quaternary Geologic Units in the Willamette Valley, Oregon; U.S. Geological Survey, Professional Paper 1620, 51 p.

Map

**T-14581
Jensen Family LLC**



Injury Analysis



Radial distance from pumping well (r)=750 ft [estimated radial distance to nearest user, MARI 6489]

Pumping Rate (Q)= 1.0356 cfs (~464.78 gpm)*

Aquifer Transmissivity (T1)= 1,497 gpd/ft (200 ft²/day), (T2)= 4,115 gpd/ft (550 ft²/day), (T3)= 32,060 gpd/ft (4,286 ft²/day)

Storativity (s1) = 0.0003, (s2) = 0.02 [Conlon et al 2005, Table 1 values for MSU]

Total pumping time= 245 days [March 1-October 31]

*The full pumping rate could not be utilized continuously for the entire 245-day period of use without exceeding the 503.25 ac-ft maximum allowed duty. For the maximum allowed duty of 503.25 ac-ft, continuous pumping would occur for 245 days at a rate of 1.0356 cfs (~464.78 gpm)

	208	ft amsl	elevation
SWL	35	ft bls	MARI 6489
Aquifer Bottom	200	ft bls	Gannett & Caldwell 1998 (MARI 6489 is 195 ft depth, essentially fully penetrates the aquifer)
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Available Water			
Column	165	ft	Aquifer Bottom - SWL
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Pump Height Above			
Bottom	5	ft	Estimate
NPSHa	5	ft	Estimate
Driscoll estimate, Drawdown=Pumping Rate/Specific Capacity. For Cert 47840, rate is 0.84 cfs (377 gpm). From MARI 6489 well log, drawdown at 400 gpm was 66 ft and at 540 gpm was 95 ft for specific capacity of 6.06 and 5.68, respectively.			
Drawdown	66	ft	
<hr/>			
Minimum Water			
Column	76	ft	Estimated Drawdown + NPSHa + Pump Height
Injury	89	ft	Available Water Column-Minimum Water Column